

# Harmonized HRS Documentation

**VERSION D (1992-2021), AUGUST 2023**

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## Preface

The Health and Retirement Study (HRS) is a nationally representative longitudinal survey of more than 42,000 individuals over age 50 in the United States. Its remarkable success has resulted in a [number of surveys around the world](#) being designed to be comparable with the HRS.

In order to make the data more accessible to researchers and to facilitate such comparisons, we, the USC Gateway to Global Aging Data team, created the Harmonized HRS, a user-friendly version of a subset of the HRS. The Harmonized HRS initiative is part of a larger set of projects. With funding and support from the National Institute on Aging, we have also created Harmonized MHAS (Mexico), Harmonized ELSA (England), Harmonized SHARE (Europe + Israel), Harmonized CRELES (Costa Rica), Harmonized KLoSA (South Korea), Harmonized JSTAR (Japan), Harmonized TILDA (Ireland), Harmonized CHARLS (China), Harmonized LASI (India), and Harmonized MARS (Malaysia) data. Further information about these Harmonized data files with questionnaires and other metadata is available on our searchable website, <https://g2aging.org/>.

In creating the Harmonized data files, we have followed conventions of variable naming and data structure first developed by the RAND Center for the Study of Aging for the RAND HRS Longitudinal File, which contains many variables derived from the HRS core data. The Harmonized HRS data file was built to supplement and to be used in conjunction with the RAND HRS Longitudinal File, and includes additional harmonized measures that have not been incorporated into the RAND HRS Longitudinal File, as well as variables that facilitate cross-country analyses. The Harmonized HRS and the RAND HRS Longitudinal File generally do not overlap in content, although there are a select number of variables that appear in both. The Harmonized datasets created by the Gateway to Global Aging Data for the other HRS Family Surveys are intended to be comparable to the combination of variables present in the Harmonized HRS and in the RAND HRS Longitudinal File. Both the RAND HRS Longitudinal File and the Harmonized HRS are longitudinal files and incorporate all available waves of HRS data. This document describes the Harmonized HRS data.

Note, however, that HRS license agreements do not allow us to disseminate the data directly. Instead, HRS distributes the Harmonized HRS among its data files, which it makes available on their website at <https://hrsdata.isr.umich.edu/data-products/contributed-projects>. We also make available a Stata script (“do file”) that generates these derived variables from the original HRS data files that the user must obtain from the HRS website at <https://hrsdata.isr.umich.edu/data-products/public-survey-data>. Additional information about HRS can be obtained from HRS’s website at <https://hrs.isr.umich.edu/about>.

We are grateful for the continuing support of and funding from NIA. We have greatly benefited from the discussions with and the suggestions from our colleagues Jennifer Ailshire, Marco Angrisani, Eileen Crimmins, Alexandra Crosswell, Peifeng Hu, Erik Meijer, Lindsay Ryan, Jacqui Smith, and David Weir. We would also like to acknowledge our current and former colleagues who worked on previous versions of the Harmonized HRS: Sidney Beaumaster, Sandy Chien, Ashley Lin, Sarah Petrosyan, Giacomo Rebellato, Kanghong Shao, Kylie Thomas, and Marieta Valev.

## Requested Acknowledgment

We ask all users of the Harmonized HRS to please inform our team of any written analysis using data from the Harmonized HRS or information from the Harmonized HRS Codebook by sending an email to [papers@g2aging.org](mailto:papers@g2aging.org). We also ask users to include the following acknowledgement in their written work: "This analysis uses data or information from the Harmonized HRS dataset and Codebook, Version D as of August 2023 developed by the Gateway to Global Aging Data. DOI: <https://doi.org/10.25549/4smz-hp46>. The development of the Harmonized HRS was funded by the National Institute on Aging (R01 AG030153, RC2 AG036619, 1R03AG043052). For more information, please refer to <https://g2aging.org/>."

## HRS Version and Acknowledgment

This version incorporates the following HRS data and RAND data products:

- 1992 HRS Core (Final) v.2.0 - HHLIST
- 1992 RAND HRS Fat File v.1B
- 1993 HRS Core (Final) v.2.10 – BHP21, BOP21
- 1993 RAND HRS Fat File v.2A
- 1994 HRS Core (Final) v.2.0 – W2HHLIST
- 1994 RAND HRS Fat File v.1A
- 1995 HRS Core (Final) v.2.0 – E\_HP, PR\_MC
- 1995 RAND HRS Fat File v.2B
- 1996 HRS Core (Final) v.4.00 – D\_MC, E\_HP, PR\_MC
- 1996 RAND HRS Fat File v.4A
- 1998 HRS Core (Final) v.2.3 – D\_MC, E\_HP, PR\_MC
- 1998 RAND HRS Fat File v.2C
- 2000 HRS Core (Final) v.1.0 – D\_MC, E\_HP, PR\_MC
- 2000 RAND HRS Fat File v.1D
- 2002 HRS Core (Final) v.2.0 – E\_MC, G\_HP, PR\_MC
- 2002 RAND HRS Fat File v.2C
- 2004 HRS Core (Final) v.1.0 – E\_MC, G\_HP, PR\_MC
- 2004 RAND HRS Fat File v.1C
- 2006 HRS Core (Final) v.4.0 – E\_MC, G\_HP, PR\_MC
- 2006 RAND HRS Fat File v.4A
- 2008 HRS Core (Final) v.3.0 – E\_MC, G\_HP, PR\_MC
- 2008 RAND HRS Fat File v.3A
- 2010 HRS Core (Final) v.6.0 – E\_MC, G\_HP, PR\_MC
- 2010 RAND HRS Fat File v.6A
- 2012 HRS Core (Final) v.3.0 – E\_MC, G\_HP, PR\_MC
- 2012 RAND HRS Fat File v.3A
- 2014 HRS Core (Final) v.2.0 – E\_MC, G\_HP, PR\_MC

- 2014 RAND HRS Fat File v.2B
- 2016 HRS Core (Final) v.2.0 – E\_MC, G\_HP, PR\_MC
- 2016 RAND HRS Fat File v.2C
- 2018 HRS Core (Final) v.2.0 – E\_MC, G\_HP, PR\_MC
- 2018 RAND HRS Fat File v.2B
- 2020 HRS Core (Final) v.1.0 – E\_MC, G\_HP, PR\_MC
- 2020 RAND HRS Fat File v.2A
- Cross-Wave: Census Region/Division and Mobility File v.8.2
- Cross-Wave 2020 Tracker File v.e.3.0
- 2015 HRS Mailout Life History Mail Survey (LHMS) v.1.0
- 2017 HRS Mailout Spring Life History Mail Survey (LHMS) v.3.0
- 2017 HRS Mailout Fall Life History Mail Survey (LHMS) v.2.0
- 2019 HRS Mailout Spring Life History Mail Survey (LHMS) v.1.0
- RAND HRS Longitudinal File 2020 v.1
- RAND HRS Family Data File 2018 v.2

The HRS is supported by the NIA, supplemented by the Social Security Agency, and operated from the Institute for Social Research (ISR) at the University of Michigan. The RAND HRS data file, the RAND Family data file, and the RAND HRS Enhanced Fat Files are the result of cooperation between the NIA, SSA, ISR at the University of Michigan, and the RAND Center for the Study of Aging.

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## What's New in Version D of the Harmonized HRS?

Version D incorporates the latest released version of HRS and RAND HRS and includes the early version of Wave 15 data. It contains 42,406 observations or rows. It is a Respondent-level file so each row represents a unique Respondent. It also adds many new variables and makes adjustments and corrections.

We have added the following variables to the file:

### Health:

- We added **RwNAGI10, RwNAGI10M, RwNAGI10A, RwNAGI8, RwNAGI8M, and RwNAGI8A** as additional mobility summaries.

### Assistance and Caregiving:

- In an effort to further distinguish the types of care the respondent and/or their spouse provide to others, we created **HwGAPCARE**, indicating whether the respondent or spouse provides personal care for their parents, and **HwGPCHORE**, indicating whether the respondent or spouse provides help with errands and household chores to their parents.

### Psychosocial:

- We added variables indicating the respondent's domain-specific satisfaction for all available waves: **RwSATHOME, RwSATAREA, RwSATLSR, RwsATFAM, RwSATFNNCL, RwSATHLTH, and RwSATWLIFE**.
- We added variables indicating the respondent's Cantril ladder rating, **RwCANTRIL**, and their change in position, **RwCANTRILC**, for all available waves.
- We added variables indicating the respondent's PANAS-X positive and negative affect items, as well as their associated summary scores for all available waves.
- We added variables indicating the respondent's MIDUS positive and negative affect items, as well as their associated summary scores. These are only available for Wave 8.
- We added variables indicating the respondent's CASP-19 quality of life items, as well as several associated summary scores. These are only available for Wave 7.
- We added variables indicating the respondent's Ryff's psychological well-being items, as well as their associated summary scores for all available waves.
- We added variables indicating the respondent's day reconstruction characteristics for all available waves: **RwDRDAY, RwDRWAKETM, RwDRSLEPTM, RwDRDATEM, RwDRDATEDAY, RwDRWLRSTD, RwDRNRMLDAY, and RwDRHLTHYES**.
- We added variables indicating the respondent's overall experienced well-being yesterday, as well as their associated summary scores for all available waves.
- We added variables indicating the respondent's day reconstruction activity-related participation yesterday for all available waves.

- We added variables indicating the respondent's activity-related positive and negative affective experiences yesterday, as well as several associated summary scores for all available waves.

We have made the following adjustments, improvements, and corrections to the data and documentation:

**Demographics:**

- We adjusted **RwIWMODE** and **RwLANG\_H** to take information from the tracker file rather than the wave-specific files. We further adjusted **RwIWMODE** so that the previous option 3, having the interview in-person and by telephone, is now option 4, and option 3 is now having a web interview.

**Health:**

- We renamed **RwRXCHOL** to **RwRXHCHOL** for consistency with other Harmonized datasets.
- We renamed **RwADLTOT\_H**, **RwADLTOTM\_H**, and **RwADLTOTA\_H** to **RwADLTOT6**, **RwADLTOT6M**, and **RwADLTOT6A** to emphasize comparability with other Harmonized datasets.
- We renamed **R2FALLINJ** to **R2FALLINJ1Y** to emphasize the different time period used in this wave.

**Cognition:**

- We adjusted the naming of **RwIQSCORE#** and **RwJORMSCORE** to **RwCIQSCORE#** and **RwCJORMSCORE** to avoid confusion with similar variables in Harmonized HCAP data.

**Family:**

- We adjusted **HwCHIDSLW** for Waves 13 through 15 to use data now available on the number of deceased children from the RAND HRS Family file for Waves 13 and 14.

**Assistance and Caregiving:**

- In an effort to further distinguish the types of care the respondent and/or their spouse provide to others, we removed **HwGCAANY** because it described multiple types of care for a limited group of recipients.
- We adjusted **RwRPFCAREDPM**, **RwRAPFCAREDPM**, **RwRIPFCAREDPM**, **RwRPFCAREHR**, **RwRAPFCAREHR**, and **RwRIPFCAREHR** to assign special missing value .e rather than special missing value .m if the respondent's only helper is an employee of an institution and we have no information on days or hours of help starting in Wave 6.
- We corrected the assignment of special missing value .w in Wave 2 for variables indicating the hours per day the respondent was helped by their children/grandchildren, relatives, and non-relatives and the total monthly out-of-pocket cost for ADLs, IADLs, and either ADLs or IADLs.

**Stress:**

- We no longer reverse code **RwMOMGRELA** in the calculation of **RAPWARM** so that higher values indicate more parental warmth.

- We reversed the coding direction for **RwSATJOB, RwDESERVE, RwSALARY, RwNSKILLS, RwCONTROL, RwnCONFLIC, RwSCRITZE, RwsLETDOW, RwsGETNEV, RwsDEMAND, RwkCRITZE, RwkLETDOW, RwkGETNEV, RwkDEMAND, RwoCRITZE, RwoLETDOW, RwoGETNEV, RwoDEMAND, RwfCRITZE, RwfLETDOW, RwfGETNEV, RwfDEMAND, RwlSRSPCT, RwpRSRVC, RwnOTSMRT, RwhARASS, RwpRTRMT, and RwaCTAFD** so that higher scores indicate higher stress levels. This change does not impact any summary scores.
- We corrected the assignments for **RALIVDIFFCH, RAPADIVCH, RAPADIECH, RASEPMOM, and RASEPDAD** to include values from life history interviews in 2015, 2017, and 2019, whereas these variables were previously only taking values from the 2017 life history interviews due to a coding error.

**Psychosocial:**

- We changed the name of **RwSATLIFE** in the previous version to **RwSATLIFE\_H** to further clarify the difference in scale used in comparison to comparable variables in other Harmonized datasets.



# 1. Introduction and Overview

This report documents the Harmonized HRS data files, a streamlined collection of variables derived from the Health and Retirement Study (HRS) meant to supplement the RAND HRS. HRS is a panel survey of people over age 50 and their partners in the United States. 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 use and costs, housing, job status and history, expectations, and insurance.

The HRS is primarily supported by the National Institute on Aging (NIA), with additional funding from the Social Security Administration (SSA) and is administered by the Institute for Social Research (ISR) at the University of Michigan. The products released by the Gateway to Global Aging Data are supported by the NIA.

The HRS is comprised of seven separate cohorts, summarized below:

Cohort	Year Born	Year of First Interview	Years of Subsequent Interviews
Initial HRS	1931-1941	1992	1994, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020
AHEAD	Before 1924	1993	1995, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020
Child of Depression (CODA)	1924-1930	1998	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020
War Baby (WB)	1942-1947	1998	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020
Early Baby Boomer (EBB)	1948-1953	2004	2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020
Mid Baby Boomer (MBB)	1954-1959	2010	2012, 2014, 2016, 2018, 2020
Late Baby Boomer (LBB)	1960-1965	2016	2018, 2020

The first wave of the HRS was conducted between April 1992 and March 1993, and included the initial HRS cohort. The first AHEAD wave, which was originally part of a separate study (The Study of Assets and Health Dynamics Among the Oldest Old), was conducted between October 1993 and June 1994. The second wave of the HRS was conducted between April 1994 and December 1994. Like the RAND HRS, we treat the 1993 AHEAD sample and the 1994 HRS sample as part of the second wave of the HRS. The second AHEAD wave was conducted between November 1995 and June 1996. The third wave of the HRS was conducted between May 1996 and February 1997. Like the RAND HRS, we treat the 1995 AHEAD sample and the

1996 HRS sample as part of the third wave of the HRS. The fourth wave of the HRS was conducted between February 1998 and March 1999. It included the HRS and AHEAD cohorts and added the Children of Depression (CODA) cohort and the War Baby (WB) cohort. The fifth wave was conducted between February 2000 and January 2001. The sixth wave was conducted between April 2002 and March 2003. The fifth and sixth waves included the HRS cohort, AHEAD cohort, CODA cohort, and WB cohort. The seventh wave was conducted between March 2004 and February 2005. The seventh wave included the four previously mentioned cohorts and added the Early Baby Boomer (EBB) cohort. The eighth wave was conducted between March 2006 and February 2007. The ninth wave was conducted between February 2008 and February 2009. The eighth and ninth waves included the HRS cohort, AHEAD cohort, CODA cohort, WB cohort, and EBB cohort. The tenth wave was conducted between February 2010 and November 2011 and consisted of the five previously mentioned cohorts and added the Mid Baby Boomer (MBB) cohort. The eleventh wave was conducted between April 2012 and May 2013. The twelfth wave was conducted between March 2014 and April 2015. The eleventh and twelfth waves included individuals from the six previously mentioned cohorts. The thirteenth wave was conducted between April 2016 and April 2018 and included the six previously mentioned cohorts and added the Late Baby Boomer (LBB) cohort. The fourteenth wave was conducted between April 2018 and June 2019. The fifteenth wave was conducted between March 2020 and May 2021. The fourteenth and fifteenth waves included individuals from the seven previously mentioned cohorts.

The data include any individual interviewed at least once. This includes individuals who were age-eligible (born in eligible years) at the time of their first interview, spouses or partners who were not age-eligible at baseline, and spouses or partners who married an age-eligible respondent between survey waves.

The HRS data contain several auxiliary files. RAND releases 17 RAND Enhanced Fat Files, which contain most of the original HRS variables with household data merged to the Respondent level, one for each survey year. These data files do not include exit interviews or any restricted data. RAND also releases the RAND HRS Longitudinal data file, which combines information from the core interview data with information from the current Tracker, Region and Mobility, Master ID files, Cross-Wave Imputation of Cognitive Functioning Measures, and Cross-Wave Prospective Social Security Wealth Measures of Pre-Retirees, as well as the RAND Family data file which includes select information from the core interview data. The Harmonized HRS data file incorporates the RAND Enhanced Fat Files, the RAND HRS Longitudinal data file, the RAND Family data file, as well as select HRS data files. Please see the “HRS Version and Acknowledgment” in the Preface of this document for further information. It does not include any data which is not public release.

Documentation of the HRS methodology can be found in [An Elementary Cookbook of Data Management using HRS Data with SPSS, SAS and Stata Examples](#) (2004), [Overview of HRS Public Data Files for Cross-sectional and Longitudinal Analysis](#) (2010), or [Cohort Profile: the Health and Retirement Study \(HRS\)](#), *International Journal of Epidemiology* 43(2):576-585 (2014).

Documentation of the RAND HRS methodology can be found in [RAND HRS Longitudinal File](#)

[2020 \(V1\) Documentation](#) (2023), and documentation of the RAND HRS Family methodology can be found in [RAND HRS Family Data 2018 \(V2\) Documentation: Includes 1992-2018 \(Final Release\)](#) (2023).

## 1.1. Gateway to Global Aging Data

The Health and Retirement Study (HRS) has achieved remarkable scientific success, as demonstrated by an impressive number of users, research studies, and publications using it. Its success has generated substantial interest in collecting similar data as population aging has progressed in every region of the world.

The result has been a number of surveys designed to be comparable with the HRS: the Mexican Health & Aging Survey (MHAS), the English Longitudinal Study of Ageing (ELSA), the Survey of Health, Ageing and Retirement in Europe (SHARE), the Costa Rican Longevity and Healthy Aging Study (CRELES), the Korean Longitudinal Study of Aging (KLoSA), the Japanese Study on Aging and Retirement (JSTAR), the Irish Longitudinal Study on Ageing (TILDA), the China Health and Retirement Longitudinal Study (CHARLS), the Brazilian Longitudinal Study of Ageing (ELSI), the Northern Ireland Cohort Longitudinal Study of Ageing (NICOLA), the Chilean Social Protection Survey (SPS), the Malaysia Ageing and Retirement Survey (MARS), and the Longitudinal Aging Study in India (LASI). The overview of this family of surveys, including their research designs, samples, and key domains can be found in Lee, Phillips, and Wilkens (2019).

As these surveys were designed with harmonization as a goal, they provide remarkable opportunities for cross-country studies. The value of comparative analyses, especially the opportunities they offer for learning lessons resulting from policies adopted elsewhere, is widely recognized. Yet there are only a limited number of empirical studies exploiting such opportunities. This is partly due to the difficulty associated with learning multiple surveys and the policies and institutions of each country.

Identifying comparable questions across surveys is the first step toward cross-country analyses. The Gateway to Global Aging Data (Gateway) helps users understand and use these large-scale population surveys on health and retirement. The Gateway includes several tools to facilitate cross-national health and retirement research. It includes a digital library of survey questions for all participating surveys. Its search engine enables users to find relevant survey questions. The Gateway also includes a concordance with information comparing measures within and across surveys over time. Using these tools, researchers can identify all questions related to particular key words or within a domain. The Gateway also includes population and sub-population estimates for key harmonized variables and present them in graphs and tables that can be downloaded.

The Gateway can be accessed at <https://g2aging.org/>. For more information about using the Gateway visit the Help page. For more information about obtaining the Harmonized HRS from the HRS website or downloading the Stata file used to create the Harmonized HRS using the Gateway see “Chapter 4. Distribution and Technical Notes.”

## 1.2. Unit of Observation

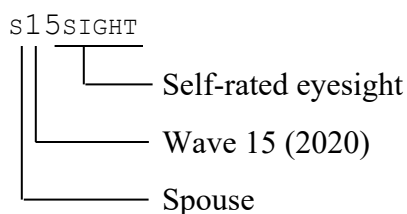
We distinguish between three units of observation: individual, couple, and household. A "couple" in this sense means "single individual, or individual with his/her spouse, whatever applicable". In the HRS, an age-eligible individual is sampled and then this individual and their spouse or partner are interviewed, but no other household members, even if they are age-eligible. Thus, in the HRS, there is usually no distinction between a "couple" and a "household". More precisely, "household" variables in the HRS (and the RAND HRS) are actually "couple" variables. We do not include non-respondents in our files.

## 1.3. Data File Structure

The Harmonized HRS data are contained in a single file, which includes the first 15 waves of the HRS, in addition to the 1993 and 1995 AHEAD interviews. The data are stored in a "fat format" where each observation represents one respondent. The unit of observation is the individual. Each individual is uniquely identified by the unique identifier *hhidpn*. Households are identified by *hhid*. This file may be merged with other HRS data using *hhidpn*.

## 1.4. Variable Naming Convention

With few exceptions, variable names in the Harmonized HRS data follow a consistent pattern. The first character indicates whether the variable refers to the reference person ("R"), spouse ("S"), or the household ("H"). The second character indicates the wave to which the variable pertains: "1" to "15", or "A". The "A" indicates "all," i.e., the variable is not specific to any single wave. An example is *RABYEAR*, the birth year of the respondent. The remaining characters describe the concept that the variable captures. For example:



Variable `s15SIGHT` captures the spouse's self-rated eyesight. The name of the variable does not indicate who provided the information. For example, the spouse variables may have been reported by the spouse himself or herself, or it may have been reported by the reference person as a proxy. The HRS obtains many variables, particularly on financial and family matters, reported by a proxy.

In the text below, we may refer to variables such as `swSIGHT` for example, without specifying the wave. This reference points at the group of variables `s1SIGHT`, `s2SIGHT`, `s3SIGHT`, `s4SIGHT`,

S5SIGHT, S6SIGHT, S7SIGHT, S8SIGHT, S9SIGHT, S10SIGHT, S11SIGHT, S12SIGHT, S13SIGHT, S14SIGHT, S15SIGHT.

Variable labels also follow a consistent pattern. The first characters denote the name of the variable, followed by a colon. Then the wave to which the variable pertains (w1, w2, w3, w4, w5, w6, w7, w8, w9, w10, w11, w12, w13, w14 OR w15) follows. The remainder of the label describes the concept that the variable captures. For example, the variable label of s15SIGHT is:

S15SIGHT:W15 S SELF-RATED EYESIGHT

It may seem duplicative to include the name of the variable and the wave in the variable label. However, statistical packages often suppress the variable name and instead use its label in the presentation of results.

## 1.5. Missing Values, and Nonresponse

Variables may contain missing values for several reasons. Stata, SAS, and SPSS offer the capability to distinguish multiple types of missing values, and we have attempted to record as much information as possible. Generally, the codes adhere to the classification in Table 1.

**Table 1. Missing Codes**

Code	Reason for missing
.	Reference person did not respond to this wave
.a	Age ineligible
.d	Don't know
.r	Refused
.k	No kids
.n	Not applicable
.x	Does not apply
.q	Data not available because 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
.m	Other missing

The coding scheme varies across variables. Consult the Data Codebook for details on individual variables.

## 1.6. Weighting and Accounting for Survey Design

The Harmonized HRS does not include weighting variables for the main questionnaire, rather the Harmonized HRS is meant to supplement the RAND HRS or the raw HRS data files.

Therefore, in order to produce weighted estimates that correct for the complex survey design, users should use the weights provided by the RAND HRS or the HRS. For further information on the weights accounting for the survey's design, please see, [Health and Retirement Study, 2020 Tracker, Early, Version 3.0, April 2023: Data Description and Usage](#) (2023), or [RAND HRS Longitudinal File 2020 \(V1\) Documentation](#) (2023).

The Harmonized HRS does include weighting variables for the leave-behind (also called self-completion) questionnaire and for the health assessments, both beginning in Wave 7. Please see the Tracker documentation mentioned in the above paragraph for more information.

## 1.7. Availability of Physical Measures

The Harmonized HRS provides harmonized physical measure variables beginning in 2004, HRS Wave 7. The HRS administered a set of 5 physical measures in 2004, which was only given to a random subsample of approximately 3,300 respondents. While all members of this sample were given the breathing and hand strength tests, smaller subsamples were given varying combinations of the walking test, and height and weight measurements.

Beginning in 2006, a random one-half of the sample was pre-selected to complete an enhanced face-to-face interview, including the performance of the physical measures and collection of the biomarker measurements. This sample was selected at a household-level, and the request for these measures were made to the respondent and to their partner or spouse if applicable. Respondents who were selected for the enhanced face-to-face interview but who resided in a nursing home, were interviewed by proxy, or declined a face-to-face interview in place of a telephone interview were not asked to complete the physical measures or biomarkers. For those selected for an enhanced face-to-face interview, a consent form was administered by the interviewer. As a result of this sampling strategy, those not selected for an enhanced face-to-face interview, those residing in a nursing home, those interviewed by proxy, those who selected a phone interview, and those who refused to consent were not asked to complete the physical measures and biomarker measurements, and are assigned a special missing .s for these variables.

Those who did consent to this portion of the interview were asked to perform the following standardized physical measures: lung function, grip strength, balance tests, and walking speed. Additionally, the following biomarker measurements were taken: blood pressure, height, weight, and waist circumference. These measurements were completed in the following order: blood pressure, lung function, handgrip strength, balance tests, timed walk, height, weight, and waist circumference. Starting in 2016, a hearing test was added and was completed between the blood pressure and lung function measurements. If the respondent attempted a measure but failed to complete it, then a special missing .x is assigned for that measure. If the respondent did not attempt the measure due to safety concerns in the performance of the test, then a special missing .n is assigned for that measure.

For more information about the physical measures and biomarker measurements collected by the HRS, please see [HRS Documentation Report: Documentation of Physical Measures, Anthropometrics and Blood Pressure in the Health and Retirement Study](#) (2008).

Due to the COVID-19 Pandemic, physical measures were not able to be collected in Wave 15.

## 1.8. Availability of Stress Measures

In 2015, Drs. Elissa Epel and Wendy Mendes partnered with the Gateway to Global Aging Data team to form the Stress Measurement Network funded by the National Institute on Aging (NIA/NIH R24 AG048024). The goal of the Stress Network is to promote better theory and measurement of psychosocial stress in population-based studies. One of the specific aims is to facilitate the use of stress measures in population based studies, which was led by Drs. Tara Gruenewald, Alexandra Crosswell, and Jinkook Lee. It is hoped that identification of such measures will facilitate examination of the association of stressor conditions with cognitive-affective and physiological distress experience and poor psychological and physical health states hypothesized to follow from stressor exposure.

As a result of the work of the NIA Stress Measurement Network, the Harmonized HRS provides harmonized stress measures beginning in 1992, HRS Wave 1, and through 2018, HRS Wave 14. Select stress measures are added at Waves 3, 4 and 7, however, the majority of stress measures are available between HRS Waves 8 and 11, and many are discontinued starting in Wave 12. The vast majority of the stress measures are collected in the psychosocial leave-behind questionnaire, which was piloted in 2004, HRS Wave 7, and which began to collect data on a variety of psychosocial variables every 4 years in conjunction with the enhanced face-to-face interview in 2006, HRS Wave 8. As a result of this sampling strategy, those not selected for a face-to-face interview and those who did not return the psychosocial leave-behind questionnaire are assigned a special missing .c for the applicable variables. A small number of measures are collected in the core interview or in the 2015 and 2017 life history mail surveys, which contain questions about residential history, education history, and other important childhood and family events.

HRS queried the lifetime occurrence of negative life events and traumas through event checklists, which included a subset of items that assessed experiences in childhood/adolescence (i.e., before the age of 18) and information on discrete events that can be categorized as major life stressors or traumatic events (e.g., death of a family member, loss of a job). HRS included an assessment of the experience of ongoing burdens or strains and the degree of upset experienced in relation to each for eight life domains (health, health of spouse or child, drug/alcohol problem in family member, work, finances, housing, close relationships, and caregiving). HRS included 14 measures of job strain/stress derived from the Karasek demand-control measure of job strain. HRS included measures of the frequency of discrimination experience in everyday life, as well as lifetime experience of discriminatory

events (e.g., being unfairly denied a promotion or dismissed from a job, being unfairly denied a loan, being harassed or abused by police). Respondents were also asked to indicate the identities (e.g., age, sex, race/ethnicity, religion, sexual orientation) upon which they believe the everyday discrimination was based. HRS included 7 measures of social strain and relationship support quality. Common indicators of social strain include assessments of social relationship targets as critical, irritating, and unreliable. HRS included up to 11 measures of loneliness. HRS included 9 measures of environmental/neighborhood disorder, chaos, danger, and/or lack of cohesion.

For more specific information about all stress measures included in the HRS, as well as comparable stress measures in HRS sister studies, please refer to the [Measures of Stress in the Health and Retirement Study \(HRS\) and the HRS Family of Studies \(2018\) User Guide](#).



## 2. Structure of Codebook

The Data Codebook contains the codebook documenting all variables in the Harmonized HRS Data. 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.

Vision and Eye Treatments ←				1
Wave	Variable	Label		Type
01	R1SIGHT	r1sight:w1 r	self-rated eyesight	Categ
02	R2SIGHT	r2sight:w2 r	self-rated eyesight	Categ
03	R3SIGHT	r3sight:w3 r	self-rated eyesight	Categ
04	R4SIGHT	r4sight:w4 r	self-rated eyesight	Categ
05	R5SIGHT	r5sight:w5 r	self-rated eyesight	Categ
06	R6SIGHT	r6sight:w6 r	self-rated eyesight	Categ
07	R7SIGHT	r7sight:w7 r	self-rated eyesight	Categ
08	R8SIGHT	r8sight:w8 r	self-rated eyesight	Categ
09	R9SIGHT	r9sight:w9 r	self-rated eyesight	Categ
10	R10SIGHT	r10sight:w10 r	self-rated eyesight	Categ
11	R11SIGHT	r11sight:w11 r	self-rated eyesight	Categ
12	R12SIGHT	r12sight:w12 r	self-rated eyesight	Categ
13	R13SIGHT	r13sight:w13 r	self-rated eyesight	Categ
14	R14SIGHT	r14sight:w14 r	self-rated eyesight	Categ
15	R15SIGHT	r15sight:w15 r	self-rated eyesight	Categ
01	S1SIGHT	s1sight:w1 s	self-rated eyesight	Categ
02	S2SIGHT	s2sight:w2 s	self-rated eyesight	Categ
03	S3SIGHT	s3sight:w3 s	self-rated eyesight	Categ
04	S4SIGHT	s4sight:w4 s	self-rated eyesight	Categ
05	S5SIGHT	s5sight:w5 s	self-rated eyesight	Categ
06	S6SIGHT	s6sight:w6 s	self-rated eyesight	Categ
07	S7SIGHT	s7sight:w7 s	self-rated eyesight	Categ
08	S8SIGHT	s8sight:w8 s	self-rated eyesight	Categ
09	S9SIGHT	s9sight:w9 s	self-rated eyesight	Categ
10	S10SIGHT	s10sight:w10 s	self-rated eyesight	Categ
11	S11SIGHT	s11sight:w11 s	self-rated eyesight	Categ
12	S12SIGHT	s12sight:w12 s	self-rated eyesight	Categ
13	S13SIGHT	s13sight:w13 s	self-rated eyesight	Categ
14	S14SIGHT	s14sight:w14 s	self-rated eyesight	Categ
15	S15SIGHT	s15sight:w15 s	self-rated eyesight	Categ

### 5 → Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SIGHT	12652	2.29	1.08	1.00	6.00
R2SIGHT	19621	2.60	1.12	1.00	6.00
R3SIGHT	17973	2.93	1.04	1.00	6.00
R4SIGHT	21371	2.85	1.04	1.00	6.00
R5SIGHT	19564	2.86	1.03	1.00	6.00
R6SIGHT	18141	2.84	1.02	1.00	6.00
R7SIGHT	20106	2.85	1.03	1.00	6.00
R8SIGHT	18438	2.86	1.02	1.00	6.00
R9SIGHT	17199	2.84	1.02	1.00	6.00
R10SIGHT	21985	2.88	1.02	1.00	6.00
R11SIGHT	20487	2.91	1.02	1.00	6.00
R12SIGHT	18699	2.95	1.01	1.00	6.00
R13SIGHT	20847	2.95	1.02	1.00	6.00
R14SIGHT	17108	2.95	1.01	1.00	5.00
R15SIGHT	15646	2.94	0.99	1.00	5.00

S1SIGHT	9900	2.24	1.05	1.00	6.00
S2SIGHT	13071	2.48	1.08	1.00	6.00
S3SIGHT	11908	2.83	1.00	1.00	6.00
S4SIGHT	13969	2.76	1.01	1.00	6.00
S5SIGHT	12726	2.75	1.00	1.00	6.00
S6SIGHT	11617	2.73	0.98	1.00	6.00
S7SIGHT	12959	2.75	1.00	1.00	6.00
S8SIGHT	11720	2.75	0.99	1.00	6.00
S9SIGHT	10632	2.74	0.98	1.00	6.00
S10SIGHT	13489	2.78	0.99	1.00	6.00
S11SIGHT	12442	2.82	1.00	1.00	6.00
S12SIGHT	10990	2.86	0.99	1.00	6.00
S13SIGHT	11750	2.86	0.99	1.00	6.00
S14SIGHT	9343	2.86	0.99	1.00	5.00
S15SIGHT	8438	2.83	0.97	1.00	5.00

## 6 → Categorical Variable Code

Value-----	R1SIGHT	R2SIGHT	R3SIGHT	R4SIGHT	R5SIGHT
.d:DK		12	10	13	13
.m:Missing			2		
.o:other			4		
.p:proxy		174			
.r:Refuse		10	2		1
1.excellent	3598	3612	1582	2256	1811
2.very good	3813	5598	4208	5120	5002
3.good	3573	6564	7552	8925	8330
4.fair	1264	2741	3289	3714	3128
5.poor	402	1030	1247	1256	1186
6.blind	2	76	95	100	107
Value-----	R6SIGHT	R7SIGHT	R8SIGHT	R9SIGHT	R10SIGHT
.d:DK	22	20	27	16	47
.m:Missing			2		
.r:Refuse	2	3	2	2	2
1.excellent	1702	2029	1755	1626	1977
2.very good	4741	4952	4569	4535	5549
3.good	7760	8523	7900	7118	9089
4.fair	2770	3335	3059	2872	3954
5.poor	1069	1189	1069	976	1362
6.blind	99	78	86	72	54
Value-----	R11SIGHT	R12SIGHT	R13SIGHT	R14SIGHT	R15SIGHT
.d:DK	60	47	56	29	66
.m:Missing	1		1	2	
.r:Refuse	6	1	8	7	11
1.excellent	1692	1338	1631	1307	1123
2.very good	5112	4593	4872	4035	3854
3.good	8428	7715	8710	7149	6594
4.fair	3862	3747	4209	3428	3063
5.poor	1328	1258	1372	1189	1012
6.blind	65	48	53		
Value-----	S1SIGHT	S2SIGHT	S3SIGHT	S4SIGHT	S5SIGHT
.d:DK		7	4	9	3
.m:Missing			2		
.o:other			2		
.r:Refuse		10			1
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
1.excellent	2909	2749	1133	1609	1346
2.very good	3110	4011	3017	3652	3527
3.good	2747	4228	5136	5880	5432
4.fair	880	1549	1984	2172	1811
5.poor	253	499	599	605	563
6.blind	1	35	39	51	47
Value-----	S6SIGHT	S7SIGHT	S8SIGHT	S9SIGHT	S10SIGHT
.d:DK	13	8	6	6	18
.m:Missing			1		
.r:Refuse	2	1	1	2	1

.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
1.excellent		1212	1459	1266	1085	1342
2.very good		3341	3482	3181	3059	3730
3.good		4987	5507	5012	4451	5588
4.fair		1579	1941	1736	1587	2209
5.poor		459	541	494	426	597
6.blind		39	29	31	24	23
Value-----		S11SIGHT	S12SIGHT	S13SIGHT	S14SIGHT	S15SIGHT
.d:DK		30	22	26	12	23
.m:Missing		1			1	
.r:Refuse		3		2	2	5
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.excellent		1167	878	1019	798	703
2.very good		3390	3027	3013	2468	2310
3.good		5089	4482	4937	3836	3541
4.fair		2187	2007	2178	1742	1475
5.poor		582	577	575	499	409
6.blind		27	19	28		

## 7 → How Constructed

RwSIGHT indicates the respondent's self-rated eyesight while wearing glasses or corrective lenses as usual. RwSIGHT is coded as follows: 1.excellent, 2.very good, 3.good, 4.fair, 5.poor, 6.blind. Please note that blind is not a specified option, but rather a voluntary response from the respondent. In Waves 14 and 15, however, blindness is not recorded as a possible value for these variables. Don't know, refused, or other missing responses of RwSIGHT are assigned special missing codes .d, .r, and .m, respectively. Other responses to RwSIGHT are assigned special missing code .o. In Wave 2, proxy respondents are not asked about vision, so RwSIGHT is assigned special missing .p. RwSIGHT is set to plain missing (.) for respondents who did not participate in the current wave.

SwSIGHT indicates the self-rated eyesight of the respondent's current wave's spouse, and is taken from RwSIGHT. In addition to the special missing codes employed by RwSIGHT, SwSIGHT employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## 8 → Cross-Wave Differences in HRS

In Wave 2, proxy respondents are not asked about vision, so RwSIGHT is assigned special missing .p.

In Waves 14 and 15, blindness is not coded as an option for the HRS variables that serve as the basis for RwSIGHT.

## 9 → HRS Variables Used

Wave 1:	
V450	b32:sight w/ glasses:imp
Wave 2:	
W448	b37.rate eyesight
Wave 2a:	
B288	b15a. rate corrected eyesight
Wave 3:	
E900	b16. rate eyesight
Wave 3a:	
D900	b16. rate eyesight
Wave 4:	
F1228	b16. rate eyesight
Wave 5:	
G1361	b16. rate eyesight
Wave 6:	
HC095	rate eyesight
Wave 7:	
JC095	rate eyesight
Wave 8:	

KC095	rate eyesight
Wave 9:	
LC095	rate eyesight
Wave 10:	
MC095	RATE EYESIGHT
Wave 11:	
NC095	RATE EYESIGHT
Wave 12:	
OC095	rate eyesight
Wave 13:	
PC095	rate eyesight
Wave 14:	
QC095	rate eyesight
Wave 15:	
RC095	rate eyesight

- 
- 1 **Title:** The variables are documented in groups according to the concept that they measure. For example, there are 30 variables related to self-rated eyesight, corresponding to fourteen waves and respondent/spouse. The title is often followed by a short description of the concept that is captured.
  - 2 **Variable Names:** This entry shows the waves of variables in the group. Please note that not all waves may be present for all variables.
  - 3 **Variable Labels:** This entry shows the Stata variable labels. As discussed above, the labels typically include the name of the variable, the file on 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 Value Codes:** This entry shows the value label codes. These are only relevant 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. Excellent" (not just "Excellent"). 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.
  - 8 **Cross-Wave Differences in HRS:** This entry briefly describes differences in question wording or contents between interview waves.
  - 9 **HRS Variables Used:** This entry provides the names and labels of raw HRS

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variables that were used to construct the new variables.

### 3. Distribution and Technical Notes

The Harmonized HRS Data file is distributed through the Health and Retirement Survey (HRS) website along with the original HRS data and the RAND HRS data. The Harmonized HRS data file is made available free of charge but only to users who register with the HRS and agree to the standard conditions. For more information on obtaining access to the HRS data, visit:

<https://hrs.isr.umich.edu/data-products>.

The Harmonized HRS data file is distributed in Stata, SAS, and SPSS dataset formats.

This is version **D** of the Harmonized HRS Data.

A copy of this Harmonized HRS Codebook and Stata creation code program can be obtained on the Gateway to Global Aging Data under the Download tab (<https://g2aging.org/downloads>).

DOI: <https://doi.org/10.25549/4smz-hp46>

## 4. Data Codebook

## **Section A: Demographics**



<b>Person Specific Identifier</b>
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Wave	Variable	Label	Type
AA	HHIDPN	hhidpn: hhold id + person number /num	Cont
AA	HHID	hhid: hhold id / 6-char	Char
AA	PN	person number (char)	Char

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
HHIDPN	42406	289694105.88	251921223.27	1010.00	959738010.00

**How Constructed:**

Person specific identifier, household identifier and person number are based on the RAND HRS Longitudinal File 2020 v.1 dataset.

HHIDPN is the numeric version of the combined household and person identifier that identifies every single respondent.

HHID is the 6-character HRS household identifier.

PN is the 3-character person number.

For more detailed information about how these variables are created, please refer to RAND HRS Data files webpage: <https://www.rand.org/well-being/social-and-behavioral-policy/centers/aging/dataproduct/hrs-data.html>, or "RAND HRS Longitudinal File 2020 (V1) Documentation" (2023).

**Cross Wave Differences in HRS**

No differences known.

**HRS Variables Used:**

RAND HRS:	
HHID	hhid: hhold id / 6-char
HHIDPN	hhidpn: hhold id + person number /num
PN	person number (char)

<b>Wave Status: Physical Measures Module</b>
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Wave	Variable	Label	Type
07	INW7PM	inw7pm:In w7 physical measures module	Categ
08	INW8PM	inw8pm:In w8 physical measures module	Categ
09	INW9PM	inw9pm:In w9 physical measures module	Categ
10	INW10PM	inw10pm:In w10 physical measures module	Categ
11	INW11PM	inw11pm:In w11 physical measures module	Categ
12	INW12PM	inw12pm:In w12 physical measures module	Categ
13	INW13PM	inw13pm:In w13 physical measures module	Categ
14	INW14PM	inw14pm:In w14 physical measures module	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
INW7PM	20129	0.17	0.38	0.00	1.00
INW8PM	18469	0.42	0.49	0.00	1.00
INW9PM	17217	0.40	0.49	0.00	1.00
INW10PM	22034	0.41	0.49	0.00	1.00
INW11PM	20554	0.41	0.49	0.00	1.00
INW12PM	18747	0.42	0.49	0.00	1.00
INW13PM	20912	0.40	0.49	0.00	1.00
INW14PM	17146	0.42	0.49	0.00	1.00

### Categorical Variable Codes

Value-----	INW7PM	INW8PM	INW9PM	INW10PM
0.no	16683	10675	10286	13035
1.yes	3446	7794	6931	8999

Value-----	INW11PM	INW12PM	INW13PM	INW14PM
0.no	12043	10795	12625	9936
1.yes	8511	7952	8287	7210

### How Constructed:

INWwPM indicates whether the respondent was eligible for and chose to participate in the physical measures module. INWwPM is coded as 0 if the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, refused to participate in the physical measures module, or was living in a nursing home. INWwPM is coded as 1 if the respondent was not living in a nursing home, was selected for a face-to-face interview, was selected for an enhanced face-to-face interview, and agreed to participate in the physical measures module. INWwPM is set to plain missing (.) for respondents who did not participate in the current wave.

### Cross Wave Differences in HRS

Physical measurements and tests were conducted starting in Wave 7. The sample in Wave 7 and the number of tests is smaller than the samples and number of tests in the following waves.

As a result of the COVID-19 pandemic, physical measures were not conducted in Wave 15.

### HRS Variables Used:

Wave 7:	
JA009	proxy/self interview
JA028	r in nursing home
JI800	physical measures ftf iw
JI801	certified physical measures

JI802	physical measures consent form
JZ227	selected phy measures module
Wave 8:	
KA028	r in nursing home
KI800	physical measures ftf iw
KI802	physical measures consent form
KX524_R	enhanced ftf assignment
Wave 9:	
LA028	r in nursing home
LEFTFASSIGN	enhanced ftf assignment
LI800	physical measures ftf iw
LI802	physical measures consent form
Wave 10:	
MA028	r in nursing home
MI800	physical measures ftf iw
MI802	physical measures consent
MPMELIG	2010 physical measures eligibility
Wave 11:	
NA028	r in nursing home
NI800	physical measures ftf iw
NI802	physical measures consent
NPMELIG	2012 physical measures eligibility
Wave 12:	
OA028	r in nursing home
OI800	physical measures ftf iw
OI802	physical measures consent
OPMELIG	2014 physical measures eligibility
OX524_R	enhanced ftf group assign
Wave 13:	
PA028	r in nursing home
PI800	physical measures ftf iw
PI802	physical measures consent
PX524_R	enhanced ftf group assign
Wave 14:	
QA028	r in nursing home
QI800	physical measures ftf iw
QI802	physical measures consent
QX524_R	enhanced ftf group assign

<b>Wave Status: Self-Completion Questionnaire</b>
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Wave	Variable	Label	Type
07	INW7SC	inw7sc:In w7 self-completion questionnaire sample	Categ
08	INW8SC	inw8sc:In w8 self-completion questionnaire sample	Categ
09	INW9SC	inw9sc:In w9 self-completion questionnaire sample	Categ
10	INW10SC	inw10sc:In w10 self-completion questionnaire sample	Categ
11	INW11SC	inw11sc:In w11 self-completion questionnaire sample	Categ
12	INW12SC	inw12sc:In w12 self-completion questionnaire sample	Categ
13	INW13SC	inw13sc:In w13 self-completion questionnaire sample	Categ
14	INW14SC	inw14sc:In w14 self-completion questionnaire sample	Categ
15	INW15SC	inw15sc:In w15 self-completion questionnaire sample	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
INW7SC	20129	0.38	0.48	0.00	1.00
INW8SC	18469	0.42	0.49	0.00	1.00
INW9SC	17217	0.41	0.49	0.00	1.00
INW10SC	22034	0.38	0.48	0.00	1.00
INW11SC	20554	0.36	0.48	0.00	1.00
INW12SC	18747	0.40	0.49	0.00	1.00
INW13SC	20912	0.30	0.46	0.00	1.00
INW14SC	17146	0.33	0.47	0.00	1.00
INW15SC	15723	0.30	0.46	0.00	1.00

### Categorical Variable Codes

Value-----	INW7SC	INW8SC	INW9SC	INW10SC
0.no	12518	10739	10144	13702
1.yes	7611	7730	7073	8332

Value-----	INW11SC	INW12SC	INW13SC	INW14SC	INW15SC
0.no	13142	11206	14542	11408	11053
1.yes	7412	7541	6370	5738	4670

### How Constructed:

INWwSC indicates whether the respondent was eligible for and completed the self-completion questionnaire, also known as the leave behind questionnaire. INWwSC is coded as 0 if the respondent was not eligible for a self-completion questionnaire, either because they were not selected for a face-to-face interview or they were selected for an enhanced face-to-face interview but completed the interview by phone, or they did not complete the self-completion questionnaire. INWwSC is coded as 1 if the respondent was eligible for the self-completion questionnaire because they completed an enhanced face-to-face interview as a self-respondent, with a proxy, or in a nursing home, and they completed the questionnaire and either returned it by mail, completed it by phone with an interviewer, or it was completed by proxy. INWwSC is set to plain missing (.) for respondents who did not participate in the current wave.

### Cross Wave Differences in HRS

Self-completion, also called leave behind, questionnaires were distributed starting in Wave 7. The sample in Wave 7 is smaller than the samples in the following waves.

### HRS Variables Used:

Wave 7:	
JV900	leave behind instructions
Wave 8:	

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KLBCOMP	mode completed leave behind qnaire
Wave 9:	
LLBCOMP	mode completed leave behind qnaire
Wave 10:	
MLBCOMP	mode completed leave behind qnaire
Wave 11:	
NLBCOMP	mode completed leave behind qnaire
Wave 12:	
OLBCOMP	mode completed leave behind qnaire
Wave 13:	
PLBCOMP	mode completed leave behind qnaire
Wave 14:	
QLBCOMP	mode completed leave behind qnaire
Wave 15:	
RLBCOMP	mode completed leave behind qnaire

<b>Person-Level Analysis Weights: Physical Measures and Leave Behind Samples</b>
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Wave	Variable	Label	Type
07	R7NWTRESP	r7nwtresp:w7 r person-level weight, physical measures sample	Cont
08	R8NWTRESP	r8nwtresp:w8 r person-level weight, physical measures sample	Cont
09	R9NWTRESP	r9nwtresp:w9 r person-level weight, physical measures sample	Cont
10	R10NWTRESP	r10nwtresp:w10 r person-level weight, physical measures samp	Cont
11	R11NWTRESP	r11nwtresp:w11 r person-level weight, physical measures samp	Cont
12	R12NWTRESP	r12nwtresp:w12 r person-level weight, physical measures samp	Cont
13	R13NWTRESP	r13nwtresp:w13 r person-level weight, physical measures samp	Cont
14	R14NWTRESP	r14nwtresp:w14 r person-level weight, physical measures samp	Cont
07	S7NWTRESP	s7nwtresp:w7 s person-level weight, physical measures sample	Cont
08	S8NWTRESP	s8nwtresp:w8 s person-level weight, physical measures sample	Cont
09	S9NWTRESP	s9nwtresp:w9 s person-level weight, physical measures sample	Cont
10	S10NWTRESP	s10nwtresp:w10 s person-level weight, physical measures samp	Cont
11	S11NWTRESP	s11nwtresp:w11 s person-level weight, physical measures samp	Cont
12	S12NWTRESP	s12nwtresp:w12 s person-level weight, physical measures samp	Cont
13	S13NWTRESP	s13nwtresp:w13 s person-level weight, physical measures samp	Cont
14	S14NWTRESP	s14nwtresp:w14 s person-level weight, physical measures samp	Cont
07	R7SCWTRESP	r7scwtresp:w7 r person-level weight, psychosocial sample	Cont
08	R8SCWTRESP	r8scwtresp:w8 r person-level weight, leave behind sample	Cont
09	R9SCWTRESP	r9scwtresp:w9 r person-level weight, psychosocial sample	Cont
10	R10SCWTRESP	r10scwtresp:w10 r person-level weight, leave behind sample	Cont
11	R11SCWTRESP	r11scwtresp:w11 r person-level weight, leave behind sample	Cont
12	R12SCWTRESP	r12scwtresp:w12 r person-level weight, leave behind sample	Cont
13	R13SCWTRESP	r13scwtresp:w13 r person-level weight, leave behind sample	Cont
14	R14SCWTRESP	r14scwtresp:w14 r person-level weight, leave behind sample	Cont
15	R15SCWTRESP	r15scwtresp:w15 r person-level weight, leave behind sample	Cont
07	S7SCWTRESP	s7scwtresp:w7 s person-level weight, psychosocial sample	Cont
08	S8SCWTRESP	s8scwtresp:w8 s person-level weight, leave behind sample	Cont
09	S9SCWTRESP	s9scwtresp:w9 s person-level weight, psychosocial sample	Cont
10	S10SCWTRESP	s10scwtresp:w10 s person-level weight, leave behind sample	Cont
11	S11SCWTRESP	s11scwtresp:w11 s person-level weight, leave behind sample	Cont
12	S12SCWTRESP	s12scwtresp:w12 s person-level weight, leave behind sample	Cont
13	S13SCWTRESP	s13scwtresp:w13 s person-level weight, leave behind sample	Cont
14	S14SCWTRESP	s14scwtresp:w14 s person-level weight, leave behind sample	Cont
15	S15SCWTRESP	s15scwtresp:w15 s person-level weight, leave behind sample	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7NWTRESP	3286	24848.24	21189.41	0.00	107289.00
R8NWTRESP	9570	8129.87	7436.05	0.00	27344.00
R9NWTRESP	8296	8890.38	8271.96	0.00	33480.00
R10NWTRESP	11211	8459.63	8265.52	0.00	31034.00
R11NWTRESP	10064	9012.20	8718.39	0.00	35623.00
R12NWTRESP	9549	9060.01	8857.14	0.00	37863.00
R13NWTRESP	9575	11325.80	12111.51	0.00	57587.00
R14NWTRESP	8295	12493.50	12976.57	0.00	62097.00
S7NWTRESP	2086	25490.73	20855.66	4651.00	107289.00
S8NWTRESP	6202	8393.10	7603.55	0.00	27344.00
S9NWTRESP	5036	9154.91	8459.99	0.00	33480.00
S10NWTRESP	6926	8804.45	8425.95	0.00	30541.00
S11NWTRESP	6033	9265.28	8870.38	0.00	33527.00
S12NWTRESP	5678	9518.63	9152.85	0.00	37863.00

S13NWTRESP	5269	12368.94	12501.61	0.00	57429.00
S14NWTRESP	4506	13805.82	13730.80	0.00	62097.00
R7SCWTRESP	3078	25574.32	16352.83	0.00	100322.00
R8SCWTRESP	9571	8174.54	7219.99	0.00	35349.00
R9SCWTRESP	8295	8933.09	7888.43	0.00	31063.00
R10SCWTRESP	11213	8581.04	8935.62	0.00	39713.00
R11SCWTRESP	10079	9134.66	9956.39	0.00	43733.00
R12SCWTRESP	9549	9060.00	9282.76	0.00	43873.00
R13SCWTRESP	9575	11325.80	15148.14	0.00	82800.00
R14SCWTRESP	8295	12493.51	15352.70	0.00	81298.00
R15SCWTRESP	6993	14081.99	18036.40	0.00	129142.00
S7SCWTRESP	2148	24887.31	16401.14	0.00	94939.00
S8SCWTRESP	6202	8347.91	7281.37	0.00	35349.00
S9SCWTRESP	5036	9190.01	8129.68	0.00	31063.00
S10SCWTRESP	6928	8857.12	9027.31	0.00	39713.00
S11SCWTRESP	6042	9442.09	10076.44	0.00	40201.00
S12SCWTRESP	5678	9556.10	9524.20	0.00	43873.00
S13SCWTRESP	5269	12531.35	15728.46	0.00	82800.00
S14SCWTRESP	4506	14023.67	16164.95	0.00	81298.00
S15SCWTRESP	3583	16438.40	18981.65	0.00	129142.00

### How Constructed:

RwNWTRESP is the person-level weight for those who participated in the physical measures module of the given wave. RwNWTRESP is taken from the physical measures weight provided in the HRS Tracker file. It is assigned a special missing value .m for those who did not participate in the physical measures module of the given wave. RwNWTRESP is assigned plain missing (.) if the respondent did not participate in the current wave.

RwSCWTRESP is the person-level weight for those who participated in the leave behind questionnaire of the given wave. RwSCWTRESP is taken from the weight provided in the HRS Tracker file. In Waves 7 and 9, it is described as the weight for the psychosocial sample, while in Waves 8 and 10 and onward, it is described as the weight for the leave behind sample. It is assigned a special missing value .m for those who did not participate in the leave behind questionnaire of the given wave. RwSCWTRESP is assigned plain missing (.) if the respondent did not participate in the current wave.

### Cross Wave Differences in HRS

Physical measurements and tests were conducted starting in Wave 7. The sample in Wave 7 and the number of tests is smaller than the samples and number of tests in the following waves.

Self-completion, also called leave behind, questionnaires were distributed starting in Wave 7. The sample in Wave 7 is smaller than the samples in the following waves. In Waves 7 and 9, the weight in the Tracker file is specifically named for the psychosocial sample, while those in Waves 8 and 10 and onward are named for the leave behind sample.

### HRS Variables Used:

#### Tracker:

JPMWGTR	RESPONDENT WEIGHT FOR PHYSICAL MEASURE
JWGTR_PS	RESP WEIGHT FOR PSYCHOSOCIAL QNAIRE
KLBWGTR	RESPONDENT WEIGHT FOR THE 2006 LEAVE BEHIND QNAIRE
KPMWGTR	RESPONDENT WEIGHT FOR THE 2006 PHYSICAL MEASURES SUBSAM
LLBWGTR	RESPONDENT WEIGHT FOR THE 2008 LEAVE BEHIND QNAIRE
LPMWGTR	RESPONDENT WEIGHT FOR THE 2008 PHYSICAL MEASURES SUBSAM
MLBWGTR	RESPONDENT WEIGHT FOR THE 2010 LEAVE BEHIND QNAIRE
MPMWGTR	RESPONDENT WEIGHT FOR THE 2010 PHYSICAL MEASURES SUBSAM
NLBWGTR	RESPONDENT WEIGHT FOR THE 2012 LEAVE BEHIND QNAIRE
NPMWGTR	RESPONDENT WEIGHT FOR THE 2012 PHYSICAL MEASURES SUBSAM
OLBWGTR	RESPONDENT WEIGHT FOR THE 2014 LEAVE BEHIND QNAIRE

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OPMWGTR	RESPONDENT WEIGHT FOR THE 2014 PHYSICAL MEASURES SUBSAM
PLBWGTR	RESPONDENT WEIGHT FOR THE 2016 LEAVE BEHIND QNAIRE
PPMWGTR	RESPONDENT WEIGHT FOR THE 2016 PHYSICAL MEASURES SUBSAM
QLBWGTR	RESPONDENT WEIGHT FOR THE 2018 LEAVE BEHIND QNAIRE
QPMWGTR	RESPONDENT WEIGHT FOR THE 2018 PHYSICAL MEASURES SUBSAM
RLBWGTR	RESPONDENT WEIGHT FOR THE 2020 LEAVE BEHIND QNAIRE



### Whether Proxy Interview: Self-Completion Questionnaire

Wave	Variable	Label	Type
08	R8SCPROXY	r8scproxy:w8 r completed self-completion ques by proxy	Categ
09	R9SCPROXY	r9scproxy:w9 r completed self-completion ques by proxy	Categ
10	R10SCPROXY	r10scproxy:w10 r completed self-completion ques by proxy	Categ
11	R11SCPROXY	r11scproxy:w11 r completed self-completion ques by proxy	Categ
12	R12SCPROXY	r12scproxy:w12 r completed self-completion ques by proxy	Categ
13	R13SCPROXY	r13scproxy:w13 r completed self-completion ques by proxy	Categ
14	R14SCPROXY	r14scproxy:w14 r completed self-completion ques by proxy	Categ
15	R15SCPROXY	r15scproxy:w15 r completed self-completion ques by proxy	Categ
08	S8SCPROXY	s8scproxy:w8 s completed self-completion ques by proxy	Categ
09	S9SCPROXY	s9scproxy:w9 s completed self-completion ques by proxy	Categ
10	S10SCPROXY	s10scproxy:w10 s completed self-completion ques by proxy	Categ
11	S11SCPROXY	s11scproxy:w11 s completed self-completion ques by proxy	Categ
12	S12SCPROXY	s12scproxy:w12 s completed self-completion ques by proxy	Categ
13	S13SCPROXY	s13scproxy:w13 s completed self-completion ques by proxy	Categ
14	S14SCPROXY	s14scproxy:w14 s completed self-completion ques by proxy	Categ
15	S15SCPROXY	s15scproxy:w15 s completed self-completion ques by proxy	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8SCPROXY	7730	0.01	0.11	0.00	1.00
R9SCPROXY	7073	0.02	0.13	0.00	1.00
R10SCPROXY	8332	0.01	0.12	0.00	1.00
R11SCPROXY	7412	0.01	0.10	0.00	1.00
R12SCPROXY	7541	0.01	0.12	0.00	1.00
R13SCPROXY	6370	0.01	0.07	0.00	1.00
R14SCPROXY	5738	0.01	0.09	0.00	1.00
R15SCPROXY	4670	0.01	0.11	0.00	1.00
S8SCPROXY	5190	0.01	0.12	0.00	1.00
S9SCPROXY	4429	0.02	0.13	0.00	1.00
S10SCPROXY	5335	0.01	0.12	0.00	1.00
S11SCPROXY	4636	0.01	0.10	0.00	1.00
S12SCPROXY	4635	0.02	0.13	0.00	1.00
S13SCPROXY	3780	0.01	0.07	0.00	1.00
S14SCPROXY	3397	0.01	0.09	0.00	1.00
S15SCPROXY	2668	0.01	0.10	0.00	1.00

### Categorical Variable Codes

Value-----	R8SCPROXY	R9SCPROXY	R10SCPROXY		
.s:no self-completion	10739	10144	13702		
0.no	7635	6957	8218		
1.yes	95	116	114		
Value-----	R11SCPROXY	R12SCPROXY	R13SCPROXY	R14SCPROXY	R15SCPROXY
.s:no self-completion	13142	11206	14542	11408	11053
0.no	7330	7435	6338	5695	4611
1.yes	82	106	32	43	59
Value-----	S8SCPROXY	S9SCPROXY	S10SCPROXY		
.s:no self-completion	6538	6211	8173		
.u:not coupled	6424	6212	7804		
.v:SP NR	317	365	722		
0.no	5118	4351	5262		
1.yes	72	78	73		

Value-----	S11SCPROXY	S12SCPROXY	S13SCPROXY	S14SCPROXY	S15SCPROXY
.s:no self-completion	7840	6377	7998	5961	5798
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	4591	4561	3761	3368	2639
1.yes	45	74	19	29	29

### How Constructed:

RwSCPROXY indicates whether the self-completion questionnaire was completed by proxy. RwSCPROXY is coded as 1 if the self-completion questionnaire was completed by proxy, and is coded as 0 if the self-completion questionnaire was completed by the respondent and returned by mail, or if it was completed with the help of an interviewer by phone. RwSCPROXY is coded as special missing .s if the self-completion questionnaire was not completed, or if the respondent was not eligible for the self-completion questionnaire. RwSCPROXY is coded as special missing .m if the response is otherwise missing. RwSCPROXY is set to plain missing (.) for respondents who did not participate in the current wave.

SwSCPROXY indicates whether the respondent's current wave's spouse's self-completion questionnaire was completed by proxy, and its values are taken from RwSCPROXY. In addition to the special missing codes employed by RwSCPROXY, SwSCPROXY employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

While the self-completion questionnaires were distributed starting in Wave 7, there is no indicator of whether the questionnaire was completed by the respondent or a proxy. Whether the self-completion questionnaire was completed by a proxy is tracked beginning in Wave 8.

### HRS Variables Used:

Wave 8:	
KLBCOMP	mode completed leave behind qnaire
Wave 9:	
LLBCOMP	mode completed leave behind qnaire
Wave 10:	
MLBCOMP	mode completed leave behind qnaire
Wave 11:	
NLBCOMP	mode completed leave behind qnaire
Wave 12:	
OLBCOMP	mode completed leave behind qnaire
Wave 13:	
PLBCOMP	mode completed leave behind qnaire
Wave 14:	
QLBCOMP	mode completed leave behind qnaire
Wave 15:	
RLBCOMP	mode completed leave behind qnaire

<b>Interview Mode</b>
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Wave	Variable	Label	Type
01	R1IWMODE	r1iwmode:w1 r interview mode	Categ
02	R2IWMODE	r2iwmode:w2 r interview mode	Categ
03	R3IWMODE	r3iwmode:w3 r interview mode	Categ
04	R4IWMODE	r4iwmode:w4 r interview mode	Categ
05	R5IWMODE	r5iwmode:w5 r interview mode	Categ
06	R6IWMODE	r6iwmode:w6 r interview mode	Categ
07	R7IWMODE	r7iwmode:w7 r interview mode	Categ
08	R8IWMODE	r8iwmode:w8 r interview mode	Categ
09	R9IWMODE	r9iwmode:w9 r interview mode	Categ
10	R10IWMODE	r10iwmode:w10 r interview mode	Categ
11	R11IWMODE	r11iwmode:w11 r interview mode	Categ
12	R12IWMODE	r12iwmode:w12 r interview mode	Categ
13	R13IWMODE	r13iwmode:w13 r interview mode	Categ
14	R14IWMODE	r14iwmode:w14 r interview mode	Categ
15	R15IWMODE	r15iwmode:w15 r interview mode	Categ
01	S1IWMODE	s1iwmode:w1 s interview mode	Categ
02	S2IWMODE	s2iwmode:w2 s interview mode	Categ
03	S3IWMODE	s3iwmode:w3 s interview mode	Categ
04	S4IWMODE	s4iwmode:w4 s interview mode	Categ
05	S5IWMODE	s5iwmode:w5 s interview mode	Categ
06	S6IWMODE	s6iwmode:w6 s interview mode	Categ
07	S7IWMODE	s7iwmode:w7 s interview mode	Categ
08	S8IWMODE	s8iwmode:w8 s interview mode	Categ
09	S9IWMODE	s9iwmode:w9 s interview mode	Categ
10	S10IWMODE	s10iwmode:w10 s interview mode	Categ
11	S11IWMODE	s11iwmode:w11 s interview mode	Categ
12	S12IWMODE	s12iwmode:w12 s interview mode	Categ
13	S13IWMODE	s13iwmode:w13 s interview mode	Categ
14	S14IWMODE	s14iwmode:w14 s interview mode	Categ
15	S15IWMODE	s15iwmode:w15 s interview mode	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IWMODE	12648	1.06	0.25	1.00	2.00
R2IWMODE	14278	1.77	0.49	1.00	4.00
R3IWMODE	18839	1.82	0.39	1.00	2.00
R4IWMODE	22752	1.69	0.46	1.00	2.00
R5IWMODE	21223	1.85	0.36	1.00	2.00
R6IWMODE	20147	1.82	0.39	1.00	2.00
R7IWMODE	21815	1.28	0.45	1.00	2.00
R8IWMODE	19925	1.46	0.50	1.00	2.00
R9IWMODE	18665	1.48	0.50	1.00	2.00
R10IWMODE	23611	1.37	0.48	1.00	2.00
R11IWMODE	21891	1.45	0.50	1.00	2.00
R12IWMODE	20131	1.49	0.50	1.00	2.00
R13IWMODE	22343	1.41	0.49	1.00	2.00
R14IWMODE	18241	1.56	0.63	1.00	3.00
R15IWMODE	17105	2.11	0.34	1.00	3.00
S1IWMODE	9897	1.07	0.25	1.00	2.00
S2IWMODE	8853	1.81	0.46	1.00	4.00
S3IWMODE	11866	1.85	0.35	1.00	2.00
S4IWMODE	13952	1.71	0.45	1.00	2.00
S5IWMODE	12719	1.87	0.34	1.00	2.00

S6IWMODE	11632	1.85	0.36	1.00	2.00
S7IWMODE	12968	1.25	0.43	1.00	2.00
S8IWMODE	11728	1.44	0.50	1.00	2.00
S9IWMODE	10640	1.48	0.50	1.00	2.00
S10IWMODE	13508	1.34	0.47	1.00	2.00
S11IWMODE	12476	1.45	0.50	1.00	2.00
S12IWMODE	11012	1.48	0.50	1.00	2.00
S13IWMODE	11778	1.40	0.49	1.00	2.00
S14IWMODE	9358	1.56	0.66	1.00	3.00
S15IWMODE	8465	2.15	0.37	1.00	3.00

## Categorical Variable Codes

Value-----	R1IWMODE	R2IWMODE	R3IWMODE	R4IWMODE	R5IWMODE
.m:Missing	4	5539	120	108	53
1.face to face	11835	3637	3430	7000	3220
2.telephone	813	10498	15409	15752	18003
4.face to face and telephon		143			

Value-----	R6IWMODE	R7IWMODE	R8IWMODE	R9IWMODE	R10IWMODE
1.face to face	3675	15602	10746	9619	14880
2.telephone	16472	6213	9179	9046	8731

Value-----	R11IWMODE	R12IWMODE	R13IWMODE	R14IWMODE	R15IWMODE
.m:Missing					1
1.face to face	11950	10350	13226	9350	127
2.telephone	9941	9781	9117	7479	14949
3.web				1412	2029

Value-----	S1IWMODE	S2IWMODE	S3IWMODE	S4IWMODE	S5IWMODE
.m:Missing	3	4235	50	26	11
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
1.face to face	9236	1860	1740	4025	1694
2.telephone	661	6916	10126	9927	11025
4.face to face and telephon		77			

Value-----	S6IWMODE	S7IWMODE	S8IWMODE	S9IWMODE	S10IWMODE
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.face to face	1756	9775	6530	5534	8959
2.telephone	9876	3193	5198	5106	4549

Value-----	S11IWMODE	S12IWMODE	S13IWMODE	S14IWMODE	S15IWMODE
.m:Missing					1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.face to face	6902	5779	7101	5007	52
2.telephone	5574	5233	4677	3442	7130
3.web				909	1283

## How Constructed:

RwIWMODE indicates the mode of the interview. RwIWMODE is assigned a code of 1 if the interview occurred face-to-face, a code of 2 if the interview occurred over the telephone, and a code of 3 if the interview occurred over the web. In the HRS sample in Wave 2, RwIWMODE is assigned a code of 4 if the interview occurred both face-to-face and over the telephone. These variables are based on information released in the HRS Tracker file. If this information is not available, then RwIWMODE is assigned special missing .m. The HRS sample in Wave 2 has a much higher percentage of respondents with missing information for this variable. RwIWMODE is set to plain missing (.) for respondents who did not participate in the current wave.

SwIWMODE indicates the mode of the current wave's spouse's interview, and is taken from the spouse's values to RwIWMODE. In addition to the special missing codes used in RwIWMODE, SwIWMODE employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The HRS sample in Wave 2 includes the option that the respondent's interview occurred both face-to-face and over the telephone. There is a much higher percentage of respondents with missing information for this variable than in any other waves.

The web becomes an additional mode of interview starting in Wave 14.

## HRS Variables Used:

### Tracker:

AIWMODE	1992	INTERVIEW	MODE
BIWMODE	1993	INTERVIEW	MODE
CIWMODE	1994	INTERVIEW	MODE
DIWMODE	1995	INTERVIEW	MODE
EIWMODE	1996	INTERVIEW	MODE
FIWMODE	1998	INTERVIEW	MODE
GIWMODE	2000	INTERVIEW	MODE
HIWMODE	2002	INTERVIEW	MODE
JIWMODE	2004	INTERVIEW	MODE
KIWMODE	2006	INTERVIEW	MODE
LIWMODE	2008	INTERVIEW	MODE
MIWMODE	2010	INTERVIEW	MODE
NIWMODE	2012	INTERVIEW	MODE
OIWMODE	2014	INTERVIEW	MODE
PIWMODE	2016	INTERVIEW	MODE
QIWMODE	2018	INTERVIEW	MODE
RIWMODE	2020	INTERVIEW	MODE

<b>Language of Interview</b>
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Wave	Variable	Label	Type
01	R1LANG_H	r1lang_h:w1 r language of interview	Categ
02	R2LANG_H	r2lang_h:w2 r language of interview	Categ
03	R3LANG_H	r3lang_h:w3 r language of interview	Categ
04	R4LANG_H	r4lang_h:w4 r language of interview	Categ
05	R5LANG_H	r5lang_h:w5 r language of interview	Categ
06	R6LANG_H	r6lang_h:w6 r language of interview	Categ
07	R7LANG_H	r7lang_h:w7 r language of interview	Categ
08	R8LANG_H	r8lang_h:w8 r language of interview	Categ
09	R9LANG_H	r9lang_h:w9 r language of interview	Categ
10	R10LANG_H	r10lang_h:w10 r language of interview	Categ
11	R11LANG_H	r11lang_h:w11 r language of interview	Categ
12	R12LANG_H	r12lang_h:w12 r language of interview	Categ
13	R13LANG_H	r13lang_h:w13 r language of interview	Categ
14	R14LANG_H	r14lang_h:w14 r language of interview	Categ
15	R15LANG_H	r15lang_h:w15 r language of interview	Categ
01	S1LANG_H	s1lang_h:w1 s language of interview	Categ
02	S2LANG_H	s2lang_h:w2 s language of interview	Categ
03	S3LANG_H	s3lang_h:w3 s language of interview	Categ
04	S4LANG_H	s4lang_h:w4 s language of interview	Categ
05	S5LANG_H	s5lang_h:w5 s language of interview	Categ
06	S6LANG_H	s6lang_h:w6 s language of interview	Categ
07	S7LANG_H	s7lang_h:w7 s language of interview	Categ
08	S8LANG_H	s8lang_h:w8 s language of interview	Categ
09	S9LANG_H	s9lang_h:w9 s language of interview	Categ
10	S10LANG_H	s10lang_h:w10 s language of interview	Categ
11	S11LANG_H	s11lang_h:w11 s language of interview	Categ
12	S12LANG_H	s12lang_h:w12 s language of interview	Categ
13	S13LANG_H	s13lang_h:w13 s language of interview	Categ
14	S14LANG_H	s14lang_h:w14 s language of interview	Categ
15	S15LANG_H	s15lang_h:w15 s language of interview	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LANG_H	12651	1.04	0.21	1.00	2.00
R2LANG_H	19756	1.04	0.19	1.00	2.00
R3LANG_H	18957	1.04	0.20	1.00	2.00
R4LANG_H	22859	1.04	0.20	1.00	2.00
R5LANG_H	21276	1.04	0.20	1.00	2.00
R6LANG_H	20147	1.04	0.20	1.00	2.00
R7LANG_H	21815	1.05	0.21	1.00	2.00
R8LANG_H	19925	1.05	0.21	1.00	2.00
R9LANG_H	18665	1.05	0.22	1.00	2.00
R10LANG_H	23611	1.07	0.25	1.00	2.00
R11LANG_H	21891	1.07	0.26	1.00	2.00
R12LANG_H	20131	1.07	0.26	1.00	2.00
R13LANG_H	22343	1.09	0.28	1.00	2.00
R14LANG_H	18223	1.09	0.29	1.00	2.00
R15LANG_H	17105	1.09	0.29	1.00	2.00
S1LANG_H	9899	1.04	0.20	1.00	2.00
S2LANG_H	13046	1.04	0.19	1.00	2.00
S3LANG_H	11915	1.05	0.21	1.00	2.00
S4LANG_H	13978	1.04	0.21	1.00	2.00
S5LANG_H	12730	1.05	0.21	1.00	2.00

S6LANG_H	11632	1.04	0.21	1.00	2.00
S7LANG_H	12968	1.05	0.22	1.00	2.00
S8LANG_H	11728	1.05	0.22	1.00	2.00
S9LANG_H	10640	1.05	0.22	1.00	2.00
S10LANG_H	13508	1.08	0.27	1.00	2.00
S11LANG_H	12476	1.09	0.28	1.00	2.00
S12LANG_H	11012	1.09	0.29	1.00	2.00
S13LANG_H	11778	1.11	0.31	1.00	2.00
S14LANG_H	9345	1.11	0.31	1.00	2.00
S15LANG_H	8465	1.12	0.32	1.00	2.00

## Categorical Variable Codes

Value-----	R1LANG_H	R2LANG_H	R3LANG_H	R4LANG_H	R5LANG_H
.d:DK		61	2	1	
.m:Missing	1				
1.english	12089	19001	18125	21910	20372
2.spanish	562	755	832	949	904

Value-----	R6LANG_H	R7LANG_H	R8LANG_H	R9LANG_H	R10LANG_H
1.english	19315	20770	18988	17750	21980
2.spanish	832	1045	937	915	1631

Value-----	R11LANG_H	R12LANG_H	R13LANG_H	R14LANG_H	R15LANG_H
.m:Missing				15	1
1.english	20339	18667	20432	16594	15551
2.spanish	1552	1464	1911	1629	1554

Value-----	S1LANG_H	S2LANG_H	S3LANG_H	S4LANG_H	S5LANG_H
.d:DK		42	1		
.m:Missing	1				
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
1.english	9477	12550	11363	13361	12137
2.spanish	422	496	552	617	593

Value-----	S6LANG_H	S7LANG_H	S8LANG_H	S9LANG_H	S10LANG_H
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.english	11110	12291	11134	10080	12423
2.spanish	522	677	594	560	1085

Value-----	S11LANG_H	S12LANG_H	S13LANG_H	S14LANG_H	S15LANG_H
.m:Missing				13	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.english	11409	10010	10531	8334	7489
2.spanish	1067	1002	1247	1011	976

## How Constructed:

RwLANG\_H indicates the language that the interview was conducted in. RwLANG\_H is coded as 1 if the interview was conducted in English, and is coded as 2 if the interview was conducted in Spanish. These variables are based on information released in the HRS Tracker file. In HRS Wave 2, the language of interview was not ascertained for a small portion of the sample, in which case RwLANG\_H is assigned special missing .m. RwLANG\_H is set to plain missing (.) for respondents who did not respond to the current wave.

SwLANG\_H indicates the language that the current wave's spouse's interview was conducted in, and its values are taken from RwLANG\_H. In addition to the special missings used in RwLANG\_H, SwLANG\_H employs two additional special missing values, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

## Cross Wave Differences in HRS

In HRS Wave 2, the language of interview was not ascertained for a small portion of the sample, in which case RwLANG\_H is assigned special missing .m.

**HRS Variables Used:**

## Tracker:

AIWLANG	1992	INTERVIEW	LANGUAGE
BIWLANG	1993	INTERVIEW	LANGUAGE
CIWLANG	1994	INTERVIEW	LANGUAGE
DIWLANG	1995	INTERVIEW	LANGUAGE
EIWLANG	1996	INTERVIEW	LANGUAGE
FIWLANG	1998	INTERVIEW	LANGUAGE
GIWLANG	2000	INTERVIEW	LANGUAGE
HIWLANG	2002	INTERVIEW	LANGUAGE
JIWLANG	2004	INTERVIEW	LANGUAGE
KIWLANG	2006	INTERVIEW	LANGUAGE
LIWLANG	2008	INTERVIEW	LANGUAGE
MIWLANG	2010	INTERVIEW	LANGUAGE
NIWLANG	2012	INTERVIEW	LANGUAGE
OIWLANG	2014	INTERVIEW	LANGUAGE
PIWLANG	2016	INTERVIEW	LANGUAGE
QIWLANG	2018	INTERVIEW	LANGUAGE
RIWLANG	2020	INTERVIEW	LANGUAGE



**Education: Harmonized Education Category**

Wave	Variable	Label	Type
0A	RAEDUCL	raeducl: r harmonized education level	Categ
01	S1EDUCL	s1educl:w1 s harmonized education level	Categ
02	S2EDUCL	s2educl:w2 s harmonized education level	Categ
03	S3EDUCL	s3educl:w3 s harmonized education level	Categ
04	S4EDUCL	s4educl:w4 s harmonized education level	Categ
05	S5EDUCL	s5educl:w5 s harmonized education level	Categ
06	S6EDUCL	s6educl:w6 s harmonized education level	Categ
07	S7EDUCL	s7educl:w7 s harmonized education level	Categ
08	S8EDUCL	s8educl:w8 s harmonized education level	Categ
09	S9EDUCL	s9educl:w9 s harmonized education level	Categ
10	S10EDUCL	s10educl:w10 s harmonized education level	Categ
11	S11EDUCL	s11educl:w11 s harmonized education level	Categ
12	S12EDUCL	s12educl:w12 s harmonized education level	Categ
13	S13EDUCL	s13educl:w13 s harmonized education level	Categ
14	S14EDUCL	s14educl:w14 s harmonized education level	Categ
15	S15EDUCL	s15educl:w15 s harmonized education level	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEDUCL	42384	1.94	0.66	1.00	3.00
S1EDUCL	10135	1.92	0.65	1.00	3.00
S2EDUCL	13456	1.87	0.66	1.00	3.00
S3EDUCL	12191	1.89	0.65	1.00	3.00
S4EDUCL	14352	1.95	0.66	1.00	3.00
S5EDUCL	12953	1.97	0.66	1.00	3.00
S6EDUCL	11783	1.99	0.66	1.00	3.00
S7EDUCL	13219	2.03	0.65	1.00	3.00
S8EDUCL	11943	2.05	0.65	1.00	3.00
S9EDUCL	10892	2.06	0.65	1.00	3.00
S10EDUCL	13924	2.08	0.64	1.00	3.00
S11EDUCL	12848	2.09	0.64	1.00	3.00
S12EDUCL	11387	2.10	0.64	1.00	3.00
S13EDUCL	12256	2.11	0.64	1.00	3.00
S14EDUCL	9994	2.13	0.64	1.00	3.00
S15EDUCL	8463	2.16	0.64	1.00	3.00

**Categorical Variable Codes**

Value-----	RAEDUCL
.m:Missing	22
1.less than upper secondary	10757
2.upper secondary and vocat	23506
3.tertiary	8121

Value-----	S1EDUCL	S2EDUCL	S3EDUCL	S4EDUCL	S5EDUCL
.m:Missing		11	5	3	
.u:not coupled	2373	5968	5657	6868	6537
.v:SP NR	144	207	138	161	88
1.less than upper secondary	2573	3884	3322	3482	3047
2.upper secondary and vocat	5826	7414	6838	8136	7287
3.tertiary	1736	2158	2031	2734	2619

Value-----	S6EDUCL	S7EDUCL	S8EDUCL	S9EDUCL	S10EDUCL
.m:Missing	3	3	3	3	3
.u:not coupled	6306	6777	6417	6206	7797

.v:SP NR		73	130	106	116	310
1.less than upper secondary		2596	2608	2277	1961	2393
2.upper secondary and vocat		6724	7580	6837	6272	8070
3.tertiary		2463	3031	2829	2659	3461
Value-----		S11EDUCL	S12EDUCL	S13EDUCL	S14EDUCL	S15EDUCL
.m:Missing		2	3	3	2	3
.u:not coupled		7473	7125	8024	6684	6202
.v:SP NR		231	232	629	466	1055
1.less than upper secondary		2149	1836	1926	1494	1167
2.upper secondary and vocat		7446	6585	7034	5695	4782
3.tertiary		3253	2966	3296	2805	2514

### How Constructed:

RAEDUCL identifies the level of education completed according to a three-tier harmonized scale which we developed to compare education levels across countries. This Harmonized education scale is a simplified version of 1997 International Standard Classification of Education (ISCED-97) codes. For more information on ISCED codes, see [www.uis.unesco.org](http://www.uis.unesco.org) and the OECD document entitled "Classifying Educational Programmes: Manual for ISCED-97 Implementation in OECD Countries, 1999 Edition". RAEDUCL is coded as follows: 1.Less than upper secondary education, 2.Upper secondary & vocational training, and 3.Tertiary education. The values for RAEDUCL are assigned based on the RAND HRS variable, RAEDUC. The RAEDUC value of 1.less than high school is assigned a value of 1 in RAEDUCL, for less than upper secondary education. The RAEDUC values of 2.GED, 3.High-school graduate, or 4.some college are assigned a value of 2 in RAEDUCL, for upper secondary and vocational training. The RAEDUC value of 5.college and above is assigned a value of 3 in RAEDUCL, for tertiary education. Please see RAEDUC in the RAND HRS for additional information on the creation of RAEDUC. RAEDUCL is set to plain missing (.) for respondents who did not respond to any wave.

SwEDUCL indicates the current wave's spouse's category of education. They are taken from the spouse's value to RAEDUCL. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. SwEDUCL is set to plain missing (.) for respondents who did not respond to this waves.

### Cross Wave Differences in HRS

No differences known.

### HRS Variables Used:

RAND HRS:  
RAEDUC                    raeduc: r education (categ)

<b>Relationship Status: Change in Marital Status Since Last Wave</b>
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Wave	Variable	Label	Type
02	R2MARSLW	r2marslw:w2 whether r married since last wave	Categ
03	R3MARSLW	r3marslw:w3 whether r married since last wave	Categ
04	R4MARSLW	r4marslw:w4 whether r married since last wave	Categ
05	R5MARSLW	r5marslw:w5 whether r married since last wave	Categ
06	R6MARSLW	r6marslw:w6 whether r married since last wave	Categ
07	R7MARSLW	r7marslw:w7 whether r married since last wave	Categ
08	R8MARSLW	r8marslw:w8 whether r married since last wave	Categ
09	R9MARSLW	r9marslw:w9 whether r married since last wave	Categ
10	R10MARSLW	r10marslw:w10 whether r married since last wave	Categ
11	R11MARSLW	r11marslw:w11 whether r married since last wave	Categ
12	R12MARSLW	r12marslw:w12 whether r married since last wave	Categ
13	R13MARSLW	r13marslw:w13 whether r married since last wave	Categ
14	R14MARSLW	r14marslw:w14 whether r married since last wave	Categ
15	R15MARSLW	r15marslw:w15 whether r married since last wave	Categ
02	S2MARSLW	s2marslw:w2 whether s married since last wave	Categ
03	S3MARSLW	s3marslw:w3 whether s married since last wave	Categ
04	S4MARSLW	s4marslw:w4 whether s married since last wave	Categ
05	S5MARSLW	s5marslw:w5 whether s married since last wave	Categ
06	S6MARSLW	s6marslw:w6 whether s married since last wave	Categ
07	S7MARSLW	s7marslw:w7 whether s married since last wave	Categ
08	S8MARSLW	s8marslw:w8 whether s married since last wave	Categ
09	S9MARSLW	s9marslw:w9 whether s married since last wave	Categ
10	S10MARSLW	s10marslw:w10 whether s married since last wave	Categ
11	S11MARSLW	s11marslw:w11 whether s married since last wave	Categ
12	S12MARSLW	s12marslw:w12 whether s married since last wave	Categ
13	S13MARSLW	s13marslw:w13 whether s married since last wave	Categ
14	S14MARSLW	s14marslw:w14 whether s married since last wave	Categ
15	S15MARSLW	s15marslw:w15 whether s married since last wave	Categ
02	R2DIVSLW	r2divslw:w2 whether r divorced/separated since last wave	Categ
03	R3DIVSLW	r3divslw:w3 whether r divorced/separated since last wave	Categ
04	R4DIVSLW	r4divslw:w4 whether r divorced/separated since last wave	Categ
05	R5DIVSLW	r5divslw:w5 whether r divorced/separated since last wave	Categ
06	R6DIVSLW	r6divslw:w6 whether r divorced/separated since last wave	Categ
07	R7DIVSLW	r7divslw:w7 whether r divorced/separated since last wave	Categ
08	R8DIVSLW	r8divslw:w8 whether r divorced/separated since last wave	Categ
09	R9DIVSLW	r9divslw:w9 whether r divorced/separated since last wave	Categ
10	R10DIVSLW	r10divslw:w10 whether r divorced/separated since last wave	Categ
11	R11DIVSLW	r11divslw:w11 whether r divorced/separated since last wave	Categ
12	R12DIVSLW	r12divslw:w12 whether r divorced/separated since last wave	Categ
13	R13DIVSLW	r13divslw:w13 whether r divorced/separated since last wave	Categ
14	R14DIVSLW	r14divslw:w14 whether r divorced/separated since last wave	Categ
15	R15DIVSLW	r15divslw:w15 whether r divorced/separated since last wave	Categ
02	S2DIVSLW	s2divslw:w2 whether s divorced/separated since last wave	Categ
03	S3DIVSLW	s3divslw:w3 whether s divorced/separated since last wave	Categ
04	S4DIVSLW	s4divslw:w4 whether s divorced/separated since last wave	Categ
05	S5DIVSLW	s5divslw:w5 whether s divorced/separated since last wave	Categ
06	S6DIVSLW	s6divslw:w6 whether s divorced/separated since last wave	Categ
07	S7DIVSLW	s7divslw:w7 whether s divorced/separated since last wave	Categ
08	S8DIVSLW	s8divslw:w8 whether s divorced/separated since last wave	Categ
09	S9DIVSLW	s9divslw:w9 whether s divorced/separated since last wave	Categ
10	S10DIVSLW	s10divslw:w10 whether s divorced/separated since last wave	Categ
11	S11DIVSLW	s11divslw:w11 whether s divorced/separated since last wave	Categ
12	S12DIVSLW	s12divslw:w12 whether s divorced/separated since last wave	Categ
13	S13DIVSLW	s13divslw:w13 whether s divorced/separated since last wave	Categ

14 S14DIVSLW s14divslw:w14 whether s divorced/separated since last wave Categ  
 15 S15DIVSLW s15divslw:w15 whether s divorced/separated since last wave Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MARSLW	11850	0.01	0.12	0.00	1.00
R3MARSLW	17378	0.01	0.09	0.00	1.00
R4MARSLW	16182	0.01	0.10	0.00	1.00
R5MARSLW	19044	0.01	0.10	0.00	1.00
R6MARSLW	17469	0.01	0.11	0.00	1.00
R7MARSLW	16599	0.01	0.10	0.00	1.00
R8MARSLW	17959	0.01	0.10	0.00	1.00
R9MARSLW	16712	0.01	0.11	0.00	1.00
R10MARSLW	15979	0.01	0.11	0.00	1.00
R11MARSLW	19882	0.02	0.12	0.00	1.00
R12MARSLW	18247	0.02	0.13	0.00	1.00
R13MARSLW	16758	0.02	0.14	0.00	1.00
R14MARSLW	16721	0.02	0.14	0.00	1.00
R15MARSLW	14788	0.02	0.15	0.00	1.00
S2MARSLW	8838	0.01	0.12	0.00	1.00
S3MARSLW	11432	0.01	0.08	0.00	1.00
S4MARSLW	10244	0.01	0.11	0.00	1.00
S5MARSLW	12264	0.01	0.11	0.00	1.00
S6MARSLW	11043	0.02	0.12	0.00	1.00
S7MARSLW	10322	0.01	0.11	0.00	1.00
S8MARSLW	11314	0.01	0.11	0.00	1.00
S9MARSLW	10231	0.01	0.11	0.00	1.00
S10MARSLW	9269	0.01	0.11	0.00	1.00
S11MARSLW	11927	0.02	0.12	0.00	1.00
S12MARSLW	10619	0.02	0.13	0.00	1.00
S13MARSLW	9234	0.02	0.15	0.00	1.00
S14MARSLW	9024	0.02	0.13	0.00	1.00
S15MARSLW	7763	0.02	0.12	0.00	1.00
R2DIVSLW	12228	0.02	0.13	0.00	1.00
R3DIVSLW	11392	0.01	0.10	0.00	1.00
R4DIVSLW	17124	0.01	0.11	0.00	1.00
R5DIVSLW	20161	0.01	0.10	0.00	1.00
R6DIVSLW	18607	0.01	0.10	0.00	1.00
R7DIVSLW	17594	0.01	0.09	0.00	1.00
R8DIVSLW	19071	0.01	0.10	0.00	1.00
R9DIVSLW	17726	0.01	0.10	0.00	1.00
R10DIVSLW	17108	0.01	0.10	0.00	1.00
R11DIVSLW	21018	0.01	0.12	0.00	1.00
R12DIVSLW	19468	0.01	0.11	0.00	1.00
R13DIVSLW	18256	0.01	0.11	0.00	1.00
R14DIVSLW	18928	0.01	0.11	0.00	1.00
R15DIVSLW	16408	0.02	0.12	0.00	1.00
S2DIVSLW	8848	0.00	0.07	0.00	1.00
S3DIVSLW	11454	0.00	0.03	0.00	1.00
S4DIVSLW	10244	0.00	0.05	0.00	1.00
S5DIVSLW	12264	0.00	0.05	0.00	1.00
S6DIVSLW	11063	0.00	0.05	0.00	1.00
S7DIVSLW	10331	0.00	0.05	0.00	1.00
S8DIVSLW	11329	0.00	0.05	0.00	1.00
S9DIVSLW	10247	0.00	0.03	0.00	1.00
S10DIVSLW	9283	0.00	0.05	0.00	1.00
S11DIVSLW	11963	0.00	0.07	0.00	1.00
S12DIVSLW	10641	0.00	0.05	0.00	1.00

S13DIVSLW	9250	0.00	0.06	0.00	1.00
S14DIVSLW	9055	0.00	0.06	0.00	1.00
S15DIVSLW	7781	0.00	0.07	0.00	1.00

### Categorical Variable Codes

Value-----	R2MARSLW	R3MARSLW	R4MARSLW	R5MARSLW
.b:New respondent	1	62	4692	41
.c:not ivwed prev wave		326	324	273
.d:DK	1			
.i:Unknown Unmarried	20	8	7	1
.m:Missing	87	217	179	219
.q:not asked this wave	7858			
0.no	11676	17247	16031	18859
1.yes	174	131	151	185

Value-----	R6MARSLW	R7MARSLW	R8MARSLW	R9MARSLW	R10MARSLW
.b:New respondent	216	25503	195	137	5677
.c:not ivwed prev wave	448	282	292	343	355
.i:Unknown Unmarried					3
.m:Missing	32	22	23	25	19
.r:Refuse					1
0.no	17255	16427	17783	16520	15766
1.yes	214	172	176	192	213

Value-----	R11MARSLW	R12MARSLW	R13MARSLW	R14MARSLW	R15MARSLW
.b:New respondent	307	160	3862	179	168
.c:not ivwed prev wave	316	307	252	210	743
.d:DK	1	1	2	1	2
.i:Unknown Unmarried	3		1	1	
.m:Missing	44	32	37	34	21
.r:Refuse	1				1
0.no	19573	17911	16430	16362	14463
1.yes	309	336	328	359	325

Value-----	S2MARSLW	S3MARSLW	S4MARSLW	S5MARSLW
.b:New respondent	1	53	3294	35
.c:not ivwed prev wave		227	267	224
.i:Unknown Unmarried	18	8	6	1
.m:Missing	4	196	167	206
.q:not asked this wave	4227			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
0.no	8713	11367	10129	12117
1.yes	125	65	115	147

Value-----	S6MARSLW	S7MARSLW	S8MARSLW	S9MARSLW	S10MARSLW
.b:New respondent	200	2431	186	133	3936
.c:not ivwed prev wave	366	205	212	260	285
.i:Unknown Unmarried					2
.m:Missing	23	10	16	16	16
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	10870	10196	11166	10114	9148
1.yes	173	126	148	117	121

Value-----	S11MARSLW	S12MARSLW	S13MARSLW	S14MARSLW	S15MARSLW
.b:New respondent	290	149	2357	171	150
.c:not ivwed prev wave	222	222	170	142	539
.i:Unknown Unmarried	3		1	1	
.m:Missing	34	22	16	20	14
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11741	10428	9026	8858	7645
1.yes	186	191	208	166	118

Value-----	R2DIVSLW	R3DIVSLW	R4DIVSLW	R5DIVSLW
.b:New respondent		62	4692	40
.c:not ivwed prev wave		7318	324	274
.i:Unknown Unmarried	14		7	1
.m:Missing		204	179	219
.q:not asked this wave	7858			
0.no	12019	11279	16909	19952

1.yes		209	113	215	209
Value-----	R6DIVSLW	R7DIVSLW	R8DIVSLW	R9DIVSLW	R10DIVSLW
.b:New respondent	216	24529	195	137	5677
.c:not ivwed prev wave	448	282	291	343	355
.i:Unknown Unmarried					3
.m:Missing	3	1	1		2
0.no	18401	17459	18872	17557	16926
1.yes	206	135	199	169	182
Value-----	R11DIVSLW	R12DIVSLW	R13DIVSLW	R14DIVSLW	R15DIVSLW
.b:New respondent	304	160	3862	166	161
.c:not ivwed prev wave	315	310	254	210	748
.i:Unknown Unmarried	2		1		
.m:Missing			2		
0.no	20720	19209	18032	18677	16158
1.yes	298	259	224	251	250
Value-----		S2DIVSLW	S3DIVSLW	S4DIVSLW	S5DIVSLW
.b:New respondent			53	3294	35
.c:not ivwed prev wave			225	267	224
.i:Unknown Unmarried		13	1	6	1
.m:Missing			183	167	206
.q:not asked this wave		4227			
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
0.no		8804	11443	10221	12239
1.yes		44	11	23	25
Value-----	S6DIVSLW	S7DIVSLW	S8DIVSLW	S9DIVSLW	S10DIVSLW
.b:New respondent	200	2431	186	133	3936
.c:not ivwed prev wave	366	205	212	260	285
.i:Unknown Unmarried					2
.m:Missing	3	1	1		2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11036	10306	11301	10236	9258
1.yes	27	25	28	11	25
Value-----	S11DIVSLW	S12DIVSLW	S13DIVSLW	S14DIVSLW	S15DIVSLW
.b:New respondent	289	149	2357	161	146
.c:not ivwed prev wave	222	222	170	142	539
.i:Unknown Unmarried	2		1		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11912	10611	9221	9021	7747
1.yes	51	30	29	34	34

## How Constructed:

RwMARSLW indicates whether the respondent is newly married since the last interview. RwMARSLW is coded as 1 if the respondent reports being newly married, when directly asked if a marriage began after the previous interview, or if the respondent's marital status (RwMSTATH) changed from separated, divorced, widowed, never married, or unknown in the previous wave to married in the current wave. RwMARSLW is coded as 0 if the respondent did not directly report being newly married, if the respondent's marital status did not change, or if the respondent's marital status changed but did not change from being unmarried to married.

RwDIVSLW indicates whether the respondent became divorced or separated since the last interview. RwDIVSLW is coded as 1 if the respondent reports being newly divorced, when directly asked if they divorced or became widowed, or if the respondent's marital status (RwMSTATH) changed from married in the previous wave to divorced or separated in the current wave. RwDIVSLW is coded as 0 if the respondent did not directly report becoming divorced or separated, if the respondent's marital status did not change, or if the respondent's marital status changed but did not change from being married to divorced or separated.

Don't know, refused, or other missing responses for RwMARSLW and RwDIVSLW are assigned special missing codes .d, .r, .m, respectively. Special missing .b is assigned if the respondent is a new respondent in the current wave. Special missing .c is assigned if the respondent has been previously interviewed but was not interviewed in the previous wave. Special missing .i is assigned if the respondent has an unknown unmarried status in the current wave. Respondents in the AHEAD 1 sample were not previously interviewed,

so RwmARSLW and RwdIVSLW cannot be calculated and are assigned special missing .q in Wave 2. RwmARSLW and RwdIVSLW are set to plain missing (.) for respondents who did not respond to the current wave.

SwMARSLW and SwDIVSLW indicate whether the respondent's current wave's spouse became married or divorced since the last interview, respectively. Their values are taken from RwmARSLW and RwdIVSLW. In addition to the special missing codes used in RwmARSLW and RwdIVSLW, SwMARSLW and SwDIVSLW employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

RwmARSLW and RwdIVSLW are available starting in Wave 2. Please note that RwmSTATH in the RAND HRS assigns values of 4.separated and 5.divorced for all HRS sample respondents, and assigns a value of 6.separated/divorced for AHEAD respondents.

## HRS Variables Used:

```

RAND HRS:
  INW1          inw1: =1 if respondent w1
  INW10         inw10: =1 if respondent w10
  INW11         inw11: =1 if respondent w11
  INW12         inw12: =1 if respondent w12
  INW13         inw13: =1 if respondent w13
  INW14         inw14: =1 if respondent w14
  INW15         inw15: =1 if respondent w15
  INW2          inw2: =1 if respondent w2
  INW3          inw3: =1 if respondent w3
  INW4          inw4: =1 if respondent w4
  INW5          inw5: =1 if respondent w5
  INW6          inw6: =1 if respondent w6
  INW7          inw7: =1 if respondent w7
  INW8          inw8: =1 if respondent w8
  INW9          inw9: =1 if respondent w9
  R10MSTATH     r10mstath:w10 r marstat-w/o part,filled
  R11MSTATH     r11mstath:w11 r marstat-w/o part,filled
  R12MSTATH     r12mstath:w12 r marstat-w/o part,filled
  R13MSTATH     r13mstath:w13 r marstat-w/o part,filled
  R14MSTATH     r14mstath:w14 r marstat-w/o part,filled
  R15MSTATH     r15mstath:w15 r marstat-w/o part,filled
  R1MSTATH      r1mstath:w1 r marstat-w/o part,filled
  R2MSTATH      r2mstath:w2 r marstat-w/o part,filled
  R3MSTATH      r3mstath:w3 r marstat-w/o part,filled
  R4MSTATH      r4mstath:w4 r marstat-w/o part,filled
  R5MSTATH      r5mstath:w5 r marstat-w/o part,filled
  R6MSTATH      r6mstath:w6 r marstat-w/o part,filled
  R7MSTATH      r7mstath:w7 r marstat-w/o part,filled
  R8MSTATH      r8mstath:w8 r marstat-w/o part,filled
  R9MSTATH      r9mstath:w9 r marstat-w/o part,filled
Wave 2 AHEAD:
  BN_INHH       ahd w1: # r's responding in hhold
Wave 2 HRS:
  ASTATUS       1992 interview status
  W200          a1. marital status
  W201          a2. marriage start after
  W204          a4. divorced/widowed since
Wave 3 AHEAD:
  D22_1         hh1 w1 r interv
  D739          a40.post w1 marriage start
  D746          a41.post w1 div/swidowed
  DPRVIW        ahd95: whether 1993 respondent
Wave 3 HRS:

```

E22\_1 hhl r prev wave interv  
E739 a40.post w1 marriage start  
E746 a41.post w1 div/swidowed  
EPRVIW hrs w3: wave of previous hrs interview

Wave 4:  
F1059 a40.post w1 marriage start  
F1066 a41.post w1 div/widowed  
F26\_1 hhl r prev wave iw  
FPRVIW hrs98: previous interview (a-e)

Wave 5:  
G1146 a40.post w1 marriage start  
G1153 a41.post w1 div/widowed  
G26\_1 pr26.hhl r prev wave iw  
GPRVIW hrs00: previous interview (a-f)

Wave 6:  
HB055 new marriage since previous wave  
HB058 divorce/widow since previous wave  
HPRVIW hrs02: previous interview (a-g)  
HZ076 r ever interviewed

Wave 7:  
JB055 new marriage since previous wave  
JB058 divorce/widow since previous wave  
JPRVIW hrs04: previous interview (a-h)  
JZ076 r ever interviewed

Wave 8:  
KB055 new marriage since previous wave  
KB058 divorce/widow since previous wave  
KPRVIW hrs06: previous interview (a-h)  
KZ076 r ever interviewed

Wave 9:  
LB055 new marriage since previous wave  
LB058 divorce/widow since previous wave  
LPRVIW hrs08: previous interview (a-h)  
LZ076 r ever interviewed

Wave 10:  
MB055 new marriage since previous wave  
MB058 divorce/widow since previous wave  
MPRVIW hrs10: previous interview (a-h)  
MZ076 r ever interviewed

Wave 11:  
NB055 new marriage since previous wave  
NB058 divorce/widow since previous wave  
NPRVIW hrs12: previous interview (a-h)  
NZ076 r ever interviewed

Wave 12:  
OB055 new marriage since previous wave  
OB058 divorce/widow since previous wave  
OPRVIW hrs14: previous interview (a-h)  
OZ076 r ever interviewed

Wave 13:  
PB055 new marriage since previous wave  
PB058 divorce/widow since previous wave  
PZ023 prev wave which cohort  
PZ076 r ever interviewed

Wave 14:  
QB055 new marriage since previous wave  
QB058 divorce/widow since previous wave  
QZ023 prev wave which cohort  
QZ076 r ever interviewed

Wave 15:  
RB055 new marriage since previous wave  
RB058 divorce/widow since previous wave  
RZ023 prev wave which cohort



RZ076

r ever interviewed

<b>Relationship Status: Year of Marriage to Current Spouse</b>
--

Wave	Variable	Label	Type
01	R1MCRTYR	r1mcrtyr:w1 r year of current marriage	Cont
02	R2MCRTYR	r2mcrtyr:w2 r year of current marriage	Cont
03	R3MCRTYR	r3mcrtyr:w3 r year of current marriage	Cont
04	R4MCRTYR	r4mcrtyr:w4 r year of current marriage	Cont
05	R5MCRTYR	r5mcrtyr:w5 r year of current marriage	Cont
06	R6MCRTYR	r6mcrtyr:w6 r year of current marriage	Cont
07	R7MCRTYR	r7mcrtyr:w7 r year of current marriage	Cont
08	R8MCRTYR	r8mcrtyr:w8 r year of current marriage	Cont
09	R9MCRTYR	r9mcrtyr:w9 r year of current marriage	Cont
10	R10MCRTYR	r10mcrtyr:w10 r year of current marriage	Cont
11	R11MCRTYR	r11mcrtyr:w11 r year of current marriage	Cont
12	R12MCRTYR	r12mcrtyr:w12 r year of current marriage	Cont
13	R13MCRTYR	r13mcrtyr:w13 r year of current marriage	Cont
14	R14MCRTYR	r14mcrtyr:w14 r year of current marriage	Cont
15	R15MCRTYR	r15mcrtyr:w15 r year of current marriage	Cont
01	S1MCRTYR	s1mcrtyr:w1 s year of current marriage	Cont
02	S2MCRTYR	s2mcrtyr:w2 s year of current marriage	Cont
03	S3MCRTYR	s3mcrtyr:w3 s year of current marriage	Cont
04	S4MCRTYR	s4mcrtyr:w4 s year of current marriage	Cont
05	S5MCRTYR	s5mcrtyr:w5 s year of current marriage	Cont
06	S6MCRTYR	s6mcrtyr:w6 s year of current marriage	Cont
07	S7MCRTYR	s7mcrtyr:w7 s year of current marriage	Cont
08	S8MCRTYR	s8mcrtyr:w8 s year of current marriage	Cont
09	S9MCRTYR	s9mcrtyr:w9 s year of current marriage	Cont
10	S10MCRTYR	s10mcrtyr:w10 s year of current marriage	Cont
11	S11MCRTYR	s11mcrtyr:w11 s year of current marriage	Cont
12	S12MCRTYR	s12mcrtyr:w12 s year of current marriage	Cont
13	S13MCRTYR	s13mcrtyr:w13 s year of current marriage	Cont
14	S14MCRTYR	s14mcrtyr:w14 s year of current marriage	Cont
15	S15MCRTYR	s15mcrtyr:w15 s year of current marriage	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MCRTYR	10210	1964.19	11.10	1938.00	1992.00
R2MCRTYR	13549	1958.90	14.77	1916.00	1993.00
R3MCRTYR	12215	1959.99	14.80	1920.00	1996.00
R4MCRTYR	14233	1962.41	15.04	1923.00	1998.00
R5MCRTYR	12716	1963.57	15.17	1924.00	2000.00
R6MCRTYR	11423	1964.63	15.37	1927.00	2002.00
R7MCRTYR	12774	1968.74	16.04	1927.00	2004.00
R8MCRTYR	11452	1969.59	16.31	1929.00	2006.00
R9MCRTYR	10424	1970.78	16.47	1929.00	2008.00
R10MCRTYR	13281	1976.74	16.80	1935.00	2011.00
R11MCRTYR	12046	1977.61	16.89	1935.00	2012.00
R12MCRTYR	10677	1978.98	16.91	1935.00	2014.00
R13MCRTYR	11801	1983.75	17.00	1941.00	2017.00
R14MCRTYR	9516	1984.79	17.07	1944.00	2018.00
R15MCRTYR	8585	1985.80	16.94	1944.00	2020.00
S1MCRTYR	9555	1964.14	11.08	1938.00	1992.00
S2MCRTYR	12708	1958.80	14.69	1916.00	1993.00
S3MCRTYR	11599	1959.74	14.66	1920.00	1996.00
S4MCRTYR	13464	1962.20	14.96	1923.00	1998.00
S5MCRTYR	12232	1963.39	15.05	1924.00	2000.00

S6MCRTYR	11040	1964.43	15.25	1927.00	2002.00
S7MCRTYR	12202	1968.38	15.92	1927.00	2004.00
S8MCRTYR	10986	1969.30	16.19	1932.00	2006.00
S9MCRTYR	9924	1970.39	16.30	1935.00	2008.00
S10MCRTYR	12289	1976.17	16.78	1935.00	2011.00
S11MCRTYR	11226	1977.12	16.84	1935.00	2012.00
S12MCRTYR	9875	1978.40	16.84	1935.00	2014.00
S13MCRTYR	10473	1982.86	17.03	1941.00	2017.00
S14MCRTYR	8289	1983.87	17.07	1944.00	2018.00
S15MCRTYR	7464	1984.89	16.79	1944.00	2020.00

### How Constructed:

RwMCRTYR is the respondent's year of marriage to their current spouse. RwMCRTYR is derived by calculating the difference between the respondent's interview end year (RwIWENDY) and the reported current length of marriage (RwMCURLN). Don't know, refused, or other missing responses of RwMCRTYR are assigned special missing codes .d, .r, .m, respectively. RwMCRTYR is assigned special missing .u if the respondent is currently unmarried. RwMCRTYR is set to plain missing (.) for respondents who did not respond to the current wave.

SwMCRTYR is the current wave's spouse's year of marriage, and is taken from the spouse's values to RwMCRTYR. In addition to the special missing codes used in RwMCRTYR, SwMCRTYR employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

No differences known.

### HRS Variables Used:

RAND HRS:

R10IWENDY	r10iwendy:w10	interview end year
R10MCURLN	r10mcurln:w10	r length of current marriage
R11IWENDY	r11iwendy:w11	interview end year
R11MCURLN	r11mcurln:w11	r length of current marriage
R12IWENDY	r12iwendy:w12	interview end year
R12MCURLN	r12mcurln:w12	r length of current marriage
R13IWENDY	r13iwendy:w13	interview end year
R13MCURLN	r13mcurln:w13	r length of current marriage
R14IWENDY	r14iwendy:w14	interview end year
R14MCURLN	r14mcurln:w14	r length of current marriage
R15IWENDY	r15iwendy:w15	interview end year
R15MCURLN	r15mcurln:w15	r length of current marriage
R1IWENDY	r1iwendy:w1	interview end year
R1MCURLN	r1mcurln:w1	r length of current marriage
R2IWENDY	r2iwendy:w2	interview end year
R2MCURLN	r2mcurln:w2	r length of current marriage
R3IWENDY	r3iwendy:w3	interview end year
R3MCURLN	r3mcurln:w3	r length of current marriage
R4IWENDY	r4iwendy:w4	interview end year
R4MCURLN	r4mcurln:w4	r length of current marriage
R5IWENDY	r5iwendy:w5	interview end year
R5MCURLN	r5mcurln:w5	r length of current marriage
R6IWENDY	r6iwendy:w6	interview end year
R6MCURLN	r6mcurln:w6	r length of current marriage
R7IWENDY	r7iwendy:w7	interview end year
R7MCURLN	r7mcurln:w7	r length of current marriage
R8IWENDY	r8iwendy:w8	interview end year
R8MCURLN	r8mcurln:w8	r length of current marriage
R9IWENDY	r9iwendy:w9	interview end year

R9MCURLN      r9mcurln:w9 r length of current marriage

<b>Relationship Status: Year of First Marriage</b>
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Wave	Variable	Label	Type
0A	RAMFSTYR	ramfstyr: r year of first marriage	Cont
01	S1MFSTYR	s1mfstyr:w1 s year of first marriage	Cont
02	S2MFSTYR	s2mfstyr:w2 s year of first marriage	Cont
03	S3MFSTYR	s3mfstyr:w3 s year of first marriage	Cont
04	S4MFSTYR	s4mfstyr:w4 s year of first marriage	Cont
05	S5MFSTYR	s5mfstyr:w5 s year of first marriage	Cont
06	S6MFSTYR	s6mfstyr:w6 s year of first marriage	Cont
07	S7MFSTYR	s7mfstyr:w7 s year of first marriage	Cont
08	S8MFSTYR	s8mfstyr:w8 s year of first marriage	Cont
09	S9MFSTYR	s9mfstyr:w9 s year of first marriage	Cont
10	S10MFSTYR	s10mfstyr:w10 s year of first marriage	Cont
11	S11MFSTYR	s11mfstyr:w11 s year of first marriage	Cont
12	S12MFSTYR	s12mfstyr:w12 s year of first marriage	Cont
13	S13MFSTYR	s13mfstyr:w13 s year of first marriage	Cont
14	S14MFSTYR	s14mfstyr:w14 s year of first marriage	Cont
15	S15MFSTYR	s15mfstyr:w15 s year of first marriage	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAMFSTYR	33405	1966.42	16.15	1917.00	2018.00
S1MFSTYR	9529	1959.37	7.47	1927.00	1992.00
S2MFSTYR	11715	1954.92	10.43	1917.00	1994.00
S3MFSTYR	10786	1955.47	10.12	1921.00	1995.00
S4MFSTYR	12949	1957.49	10.31	1919.00	1998.00
S5MFSTYR	11866	1958.20	10.10	1919.00	2000.00
S6MFSTYR	10884	1958.84	9.80	1919.00	2002.00
S7MFSTYR	12223	1962.42	11.27	1919.00	2004.00
S8MFSTYR	11094	1962.79	11.08	1919.00	2004.00
S9MFSTYR	10072	1963.36	10.84	1919.00	2008.00
S10MFSTYR	12775	1969.40	13.06	1919.00	2010.00
S11MFSTYR	11713	1969.95	12.76	1919.00	2010.00
S12MFSTYR	10279	1970.78	12.42	1919.00	2010.00
S13MFSTYR	10960	1975.55	13.65	1919.00	2017.00
S14MFSTYR	8664	1976.02	13.38	1919.00	2017.00
S15MFSTYR	7810	1976.87	12.78	1919.00	2018.00

### How Constructed:

RAMFSTYR is the year of the respondent's first marriage. Respondents are directly asked the year their first marriage began, and RAMFSTYR takes the first reported non-missing value. Don't know, refused, or other missing responses of RAMFSTYR are assigned special missing codes .d, .r, .m, respectively. If the respondent reports that they have never been married, RAMFSTYR is assigned special missing .n. Special missing .s is assigned if the respondent did not indicate how many times they had been married in the AHEAD sample in Wave 2. Starting in Wave 4, respondents who live in a nursing home are not asked this question and are assigned special missing .h. RAMFSTYR is set to plain missing (.) for respondents who did not respond to any wave.

SwMFSTYR is the year of the respondent's current wave spouse's first marriage, and is taken from the respondent's values to RAMFSTYR. In addition to the special missing codes used in RAMFSTYR, SwMFSTYR employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents in the AHEAD sample in Wave 2 are not directly asked the year of the respondent's first marriage. Therefore, if the respondent indicates they have only been married once, then we take the value of the reported year of current marriage as the year of the respondent's first marriage, and assign special missing .s if the respondent did not report their number of marriages.

Starting in Wave 4, respondents who live in a nursing home are not asked this question and are assigned special missing .h.

## HRS Variables Used:

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RAND HRS:
  R10MSTATH      r10mstath:w10 r marstat-w/o part,filled
  R11MSTATH      r11mstath:w11 r marstat-w/o part,filled
  R12MSTATH      r12mstath:w12 r marstat-w/o part,filled
  R13MSTATH      r13mstath:w13 r marstat-w/o part,filled
  R14MSTATH      r14mstath:w14 r marstat-w/o part,filled
  R15MSTATH      r15mstath:w15 r marstat-w/o part,filled
  R1MSTATH       r1mstath:w1  r marstat-w/o part,filled
  R2MSTATH       r2mstath:w2  r marstat-w/o part,filled
  R3MSTATH       r3mstath:w3  r marstat-w/o part,filled
  R4MSTATH       r4mstath:w4  r marstat-w/o part,filled
  R5MSTATH       r5mstath:w5  r marstat-w/o part,filled
  R6MSTATH       r6mstath:w6  r marstat-w/o part,filled
  R7MSTATH       r7mstath:w7  r marstat-w/o part,filled
  R8MSTATH       r8mstath:w8  r marstat-w/o part,filled
  R9MSTATH       r9mstath:w9  r marstat-w/o part,filled

Wave 1:
  V225           a10:current marr sta:imp
  V227           a10a:date married-year
  V228           a10b:ever been married
  V238           a10h:begin last marr-yr
  V239           a11:1st marriage
  V241           a13:mar1:year began
  V244           a13:mar2:year began
  V247           a13:mar3:year began

Wave 2 AHEAD:
  B156           a11a. year married
  B161           a11f. live tghr: yrs married most recent
  B166           a13. # of marriages ever

Wave 2 HRS:
  W200           a1. marital status
  W203           a3. marriage year
  W208           a7. number of times married
  W209           a8. 1st marriage-year begin

Wave 3 AHEAD:
  D246           cs13.sp/p where live
  D678           a22.first mar-yr begin
  D739           a40.post w1 marriage start
  D742           a40c.year

Wave 3 HRS:
  E246           cs13.sp/p where live
  E678           a22.first mar-yr begin
  E739           a40.post w1 marriage start
  E742           a40c.year

Wave 4:
  F1062          a40c.year
  F1073          a45.first mar-yr begin
  F517           cs11.r in nursing home

Wave 5:
  G1149         a40c.year

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G1160	a45.first mar-yr begin
G558	cs11.r in nursing home
Wave 6:	
HA028	r in nursing home
HB057	between wave marriage start-year
HB065	number of marriages
HB066_1	first marriage year began
Wave 7:	
JA028	r in nursing home
JB057	between wave marriage start-year
JB065	number of marriages
JB066_1	first marriage year began
Wave 8:	
KA028	r in nursing home
KB057	between wave marriage start-year
KB065	number of marriages
KB066_1	first marriage year began
Wave 9:	
LA028	r in nursing home
LB057	between wave marriage start-year
LB065	number of marriages
LB066_1	first marriage year began
Wave 10:	
MA028	r in nursing home
MB057	between wave marriage start-year
MB065	number of marriages
MB066_1	first marriage year began
Wave 11:	
NA028	r in nursing home
NB057	between wave marriage start-year
NB065	number of marriages
NB066_1	first marriage year began
Wave 12:	
OA028	r in nursing home
OB057	between wave marriage start-year
OB065	number of marriages
OB066_1	first marriage year began
Wave 13:	
PA028	r in nursing home
PB057	between wave marriage start-year
PB065	number of marriages
PB066_1	first marriage year began
Wave 14:	
QA028	r in nursing home
QB057	between wave marriage start-year
QB065	number of marriages
QB066_1	first marriage year began
Wave 15:	
RA028	r in nursing home
RB057	between wave marriage start-year
RB065	number of marriages
RB066_1	first marriage year began

<b>Living Situation: Type of Property</b>
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Wave	Variable	Label	Type
01	R1HOMETYP	r1hometyp:w1 type of home r lives in	Categ
02	R2HOMETYP	r2hometyp:w2 type of home r lives in	Categ
03	R3HOMETYP	r3hometyp:w3 type of home r lives in	Categ
04	R4HOMETYP	r4hometyp:w4 type of home r lives in	Categ
05	R5HOMETYP	r5hometyp:w5 type of home r lives in	Categ
06	R6HOMETYP	r6hometyp:w6 type of home r lives in	Categ
07	R7HOMETYP	r7hometyp:w7 type of home r lives in	Categ
08	R8HOMETYP	r8hometyp:w8 type of home r lives in	Categ
09	R9HOMETYP	r9hometyp:w9 type of home r lives in	Categ
10	R10HOMETYP	r10hometyp:w10 type of home r lives in	Categ
11	R11HOMETYP	r11hometyp:w11 type of home r lives in	Categ
12	R12HOMETYP	r12hometyp:w12 type of home r lives in	Categ
13	R13HOMETYP	r13hometyp:w13 type of home r lives in	Categ
14	R14HOMETYP	r14hometyp:w14 type of home r lives in	Categ
15	R15HOMETYP	r15hometyp:w15 type of home r lives in	Categ
01	S1HOMETYP	s1hometyp:w1 type of home s lives in	Categ
02	S2HOMETYP	s2hometyp:w2 type of home s lives in	Categ
03	S3HOMETYP	s3hometyp:w3 type of home s lives in	Categ
04	S4HOMETYP	s4hometyp:w4 type of home s lives in	Categ
05	S5HOMETYP	s5hometyp:w5 type of home s lives in	Categ
06	S6HOMETYP	s6hometyp:w6 type of home s lives in	Categ
07	S7HOMETYP	s7hometyp:w7 type of home s lives in	Categ
08	S8HOMETYP	s8hometyp:w8 type of home s lives in	Categ
09	S9HOMETYP	s9hometyp:w9 type of home s lives in	Categ
10	S10HOMETYP	s10hometyp:w10 type of home s lives in	Categ
11	S11HOMETYP	s11hometyp:w11 type of home s lives in	Categ
12	S12HOMETYP	s12hometyp:w12 type of home s lives in	Categ
13	S13HOMETYP	s13hometyp:w13 type of home s lives in	Categ
14	S14HOMETYP	s14hometyp:w14 type of home s lives in	Categ
15	S15HOMETYP	s15hometyp:w15 type of home s lives in	Categ
01	R1FARM	r1farm:w1 whether r lives on ranch or farm	Categ
02	R2FARM	r2farm:w2 whether r lives on ranch or farm	Categ
03	R3FARM	r3farm:w3 whether r lives on ranch or farm	Categ
04	R4FARM	r4farm:w4 whether r lives on ranch or farm	Categ
05	R5FARM	r5farm:w5 whether r lives on ranch or farm	Categ
06	R6FARM	r6farm:w6 whether r lives on ranch or farm	Categ
07	R7FARM	r7farm:w7 whether r lives on ranch or farm	Categ
08	R8FARM	r8farm:w8 whether r lives on ranch or farm	Categ
09	R9FARM	r9farm:w9 whether r lives on ranch or farm	Categ
10	R10FARM	r10farm:w10 whether r lives on ranch or farm	Categ
11	R11FARM	r11farm:w11 whether r lives on ranch or farm	Categ
12	R12FARM	r12farm:w12 whether r lives on ranch or farm	Categ
13	R13FARM	r13farm:w13 whether r lives on ranch or farm	Categ
14	R14FARM	r14farm:w14 whether r lives on ranch or farm	Categ
15	R15FARM	r15farm:w15 whether r lives on ranch or farm	Categ
01	S1FARM	s1farm:w1 whether s lives on ranch or farm	Categ
02	S2FARM	s2farm:w2 whether s lives on ranch or farm	Categ
03	S3FARM	s3farm:w3 whether s lives on ranch or farm	Categ
04	S4FARM	s4farm:w4 whether s lives on ranch or farm	Categ
05	S5FARM	s5farm:w5 whether s lives on ranch or farm	Categ
06	S6FARM	s6farm:w6 whether s lives on ranch or farm	Categ
07	S7FARM	s7farm:w7 whether s lives on ranch or farm	Categ
08	S8FARM	s8farm:w8 whether s lives on ranch or farm	Categ
09	S9FARM	s9farm:w9 whether s lives on ranch or farm	Categ



10	S10FARM	s10farm:w10	whether s lives on ranch or farm	Categ
11	S11FARM	s11farm:w11	whether s lives on ranch or farm	Categ
12	S12FARM	s12farm:w12	whether s lives on ranch or farm	Categ
13	S13FARM	s13farm:w13	whether s lives on ranch or farm	Categ
14	S14FARM	s14farm:w14	whether s lives on ranch or farm	Categ
15	S15FARM	s15farm:w15	whether s lives on ranch or farm	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HOMETYP	12025	2.27	0.83	1.00	7.00
R2HOMETYP	18941	2.60	0.86	1.00	7.00
R3HOMETYP	17935	2.60	0.93	1.00	7.00
R4HOMETYP	21270	2.48	0.89	1.00	7.00
R5HOMETYP	19517	2.46	0.88	1.00	7.00
R6HOMETYP	18090	2.52	1.07	1.00	7.00
R7HOMETYP	20077	2.50	1.08	1.00	7.00
R8HOMETYP	18443	2.48	1.06	1.00	7.00
R9HOMETYP	17195	2.45	0.97	1.00	7.00
R10HOMETYP	21769	2.47	0.97	1.00	7.00
R11HOMETYP	20490	2.49	0.99	1.00	7.00
R12HOMETYP	18688	2.50	0.99	1.00	7.00
R13HOMETYP	20662	2.51	0.99	1.00	7.00
R14HOMETYP	17016	2.53	0.99	1.00	7.00
R15HOMETYP	15540	2.57	1.09	1.00	7.00
S1HOMETYP	9373	2.18	0.73	1.00	7.00
S2HOMETYP	12385	2.44	0.79	1.00	7.00
S3HOMETYP	11904	2.42	0.80	1.00	7.00
S4HOMETYP	13963	2.31	0.75	1.00	7.00
S5HOMETYP	12723	2.29	0.74	1.00	7.00
S6HOMETYP	11594	2.31	0.86	1.00	7.00
S7HOMETYP	12957	2.29	0.88	1.00	7.00
S8HOMETYP	11722	2.26	0.81	1.00	7.00
S9HOMETYP	10634	2.24	0.74	1.00	7.00
S10HOMETYP	13415	2.28	0.78	1.00	7.00
S11HOMETYP	12469	2.30	0.80	1.00	7.00
S12HOMETYP	11008	2.31	0.79	1.00	7.00
S13HOMETYP	11755	2.31	0.79	1.00	7.00
S14HOMETYP	9350	2.33	0.82	1.00	7.00
S15HOMETYP	8445	2.37	0.93	1.00	7.00
R1FARM	12649	0.05	0.21	0.00	1.00
R2FARM	18331	0.05	0.23	0.00	1.00
R3FARM	16230	0.06	0.23	0.00	1.00
R4FARM	20089	0.06	0.23	0.00	1.00
R5FARM	18423	0.06	0.23	0.00	1.00
R6FARM	17610	0.06	0.23	0.00	1.00
R7FARM	19434	0.04	0.20	0.00	1.00
R8FARM	18057	0.05	0.21	0.00	1.00
R9FARM	16908	0.04	0.20	0.00	1.00
R10FARM	21481	0.04	0.19	0.00	1.00
R11FARM	20184	0.07	0.25	0.00	1.00
R12FARM	18404	0.07	0.26	0.00	1.00
R13FARM	20429	0.07	0.25	0.00	1.00
R14FARM	16859	0.07	0.26	0.00	1.00
R15FARM	15452	0.06	0.24	0.00	1.00
S1FARM	9900	0.06	0.23	0.00	1.00
S2FARM	12358	0.06	0.24	0.00	1.00
S3FARM	10872	0.07	0.25	0.00	1.00
S4FARM	13280	0.07	0.25	0.00	1.00

S5FARM	12032	0.07	0.25	0.00	1.00
S6FARM	11419	0.07	0.25	0.00	1.00
S7FARM	12641	0.05	0.22	0.00	1.00
S8FARM	11622	0.06	0.23	0.00	1.00
S9FARM	10616	0.05	0.22	0.00	1.00
S10FARM	13390	0.04	0.20	0.00	1.00
S11FARM	12444	0.08	0.26	0.00	1.00
S12FARM	10982	0.09	0.28	0.00	1.00
S13FARM	11742	0.08	0.27	0.00	1.00
S14FARM	9340	0.09	0.28	0.00	1.00
S15FARM	8428	0.07	0.25	0.00	1.00

## Categorical Variable Codes

Value-----	R1HOMETYP	R2HOMETYP	R3HOMETYP	R4HOMETYP	R5HOMETYP
.d:DK	32	25	1	3	
.m:Missing		330	53	108	60
.r:Refuse	171	129	1	3	1
.s:skipped	424	365	1		
1.mobile home	705	1220	1046	1261	1112
2.one family house	9225	8341	8737	12364	11811
3.two family house/duplex	437	6391	5067	4115	3314
4.apartment/townhouse/condo	1594	2927	2838	3351	3144
5.senior/retirement communi		3		39	51
6.nursing home		3	175	89	51
7.other	64	56	72	51	34

Value-----	R6HOMETYP	R7HOMETYP	R8HOMETYP	R9HOMETYP	R10HOMETYP
.d:DK					2
.m:Missing	72	52	24	22	262
.r:Refuse	3		2		1
1.mobile home	1004	1042	929	829	993
2.one family house	11276	13330	12479	11852	14919
3.two family house/duplex	2483	2049	1623	1342	1347
4.apartment/townhouse/condo	2757	2990	2868	2776	4126
5.senior/retirement communi				47	37
6.nursing home	348	355	305	299	293
7.other	222	311	239	50	54

Value-----	R11HOMETYP	R12HOMETYP	R13HOMETYP	R14HOMETYP	R15HOMETYP
.d:DK	5	3	6	1	8
.m:Missing	58	55	242	129	175
.r:Refuse	1	1	2		
1.mobile home	902	791	906	720	675
2.one family house	13963	12613	13840	11295	10170
3.two family house/duplex	1199	1114	1109	884	828
4.apartment/townhouse/condo	4023	3804	4464	3868	3471
5.senior/retirement communi	24	23	1		
6.nursing home	330	302	300	204	190
7.other	49	41	42	45	206

Value-----	S1HOMETYP	S2HOMETYP	S3HOMETYP	S4HOMETYP	S5HOMETYP
.d:DK	21	17			
.m:Missing		273	12	15	7
.r:Refuse	110	75			
.s:skipped	396	338			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
1.mobile home	535	802	690	808	680
2.one family house	7663	6674	7009	9479	8996
3.two family house/duplex	287	3681	2928	2261	1727
4.apartment/townhouse/condo	844	1194	1223	1375	1293
5.senior/retirement communi				12	10
6.nursing home			11	6	5
7.other	44	34	43	22	12

Value-----	S6HOMETYP	S7HOMETYP	S8HOMETYP	S9HOMETYP	S10HOMETYP
.d:DK					2
.m:Missing	36	11	4	6	91
.r:Refuse	2		2		
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722

1.mobile home	600	593	533	451	564
2.one family house	8480	9954	9140	8410	10491
3.two family house/duplex	1255	965	763	618	581
4.apartment/townhouse/condo	1117	1252	1182	1103	1726
5.senior/retirement communi				14	6
6.nursing home	26	25	18	16	19
7.other	116	168	86	22	28

Value-----	S11HOMETYP	S12HOMETYP	S13HOMETYP	S14HOMETYP	S15HOMETYP
.d:DK	5		4		2
.m:Missing	2	4	19	8	19
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.mobile home	484	420	470	366	341
2.one family house	9656	8448	9005	7105	6334
3.two family house/duplex	556	527	510	373	379
4.apartment/townhouse/condo	1716	1572	1737	1474	1283
5.senior/retirement communi	2	6			
6.nursing home	27	25	21	14	17
7.other	28	10	12	18	91

Value-----	R1FARM	R2FARM	R3FARM	R4FARM	R5FARM
.d:DK			3	2	1
.h:live in nursing home			169	107	75
.m:Missing		118	685	530	585
.r:Refuse	3			4	
.s:skipped		1348	904	652	494
0.no	12038	17324	15279	18965	17391
1.yes	611	1007	951	1124	1032

Value-----	R6FARM	R7FARM	R8FARM	R9FARM	R10FARM
.d:DK	1				7
.h:live in nursing home	342	353	305	285	281
.m:Missing	211	342	105	23	263
.r:Refuse	1		2		2
.s:skipped				1	
0.no	16617	18599	17235	16223	20700
1.yes	993	835	822	685	781

Value-----	R11FARM	R12FARM	R13FARM	R14FARM	R15FARM
.d:DK	6	4	6	2	5
.h:live in nursing home	315	294	293	198	187
.m:Missing	49	43	182	86	79
.r:Refuse		2	2	1	
0.no	18861	17042	19007	15603	14521
1.yes	1323	1362	1422	1256	931

Value-----	S1FARM	S2FARM	S3FARM	S4FARM	S5FARM
.d:DK				2	
.h:live in nursing home			10	6	4
.m:Missing		68	633	408	484
.s:skipped		662	401	282	210
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9339	11566	10120	12395	11243
1.yes	561	792	752	885	789

Value-----	S6FARM	S7FARM	S8FARM	S9FARM	S10FARM
.d:DK					4
.h:live in nursing home	23	23	16	13	18
.m:Missing	190	304	88	11	96
.r:Refuse			2		
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	10674	11983	10974	10098	12810
1.yes	745	658	648	518	580

Value-----	S11FARM	S12FARM	S13FARM	S14FARM	S15FARM
.d:DK	6		4		4
.h:live in nursing home	22	23	20	13	14
.m:Missing	4	5	12	5	20
.r:Refuse		2			
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11504	10028	10776	8530	7860
1.yes	940	954	966	810	568

## How Constructed:

RwHOMETYP indicates the type of home that the respondent mainly resides in. A code of 1 indicates that the respondent lives in a mobile home. A code of 2 indicates that the respondent lives in a one family house. A code of 3 indicates that the respondent lives in a two family house/duplex. A code of 4 indicates that the respondent lives in an apartment, a condo, a townhouse or a 3 to 4 family house. A code of 5 indicates that the respondent lives in a senior/retirement community. A code of 6 indicates that the respondent lives in a nursing home. A code of 7 indicates that the respondent lives in another kind of property that has not been mentioned in the list. Don't know, refused, or other missing responses for RwHOMETYP are assigned special missing codes .d, .r, .m, respectively. In Wave 1, if the respondent lives on a ranch or farm, RwHOMETYP is assigned special missing .s, which is carried forward in following waves if the respondent reports not moving. RwHOMETYP is set to plain missing (.) for respondents who did not respond to the current wave.

SwHOMETYP indicates the type of property that the current wave's spouse mainly resides in, and is taken from the spouse's values to RwHOMETYP. In addition to the special missing codes used in RwHOMETYP, SwHOMETYP employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFARM indicates whether the respondent is living on a farm or ranch. A code of 1 indicates that the respondent lives on a farm or ranch. A code of 0 indicates that respondent does not live on a farm or ranch. Don't know, refused, or other missing responses for RwFARM are assigned special missing codes .d, .r, .m, respectively. In Wave 2, respondents who report living in senior housing or who belong to a housing association are not asked this question and are assigned special missing .s, which is carried forward in future waves if the respondent does not report moving. Starting in Wave 3, special missing .h is assigned if the respondent is not asked this question because they are living in a nursing home. RwFARM is set to plain missing (.) for respondents who did not respond to the current wave.

SwFARM indicates whether the current wave's spouse lives on a farm or ranch, and is taken from the spouse's values to RwFARM. In addition to the special missing codes used in RwFARM, SwFARM employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In Wave 1, the structure type of the respondent's main residence is observed by the interviewer and living on a ranch or farm is one of the options. Starting in Wave 2, the type of property is asked to the respondent in the housing module and living on a ranch or farm is not one of the options, instead living on a ranch or farm is asked as a separate question. In Wave 1, if the respondent lives on a ranch or farm, RwHOMETYP is assigned special missing .s, which is carried forward in following waves if the respondent reports not moving. In Wave 2, respondents who report living in senior housing or who belong to a housing association are not asked RwFARM and are assigned special missing .s, which is carried forward in future waves if the respondent does not report moving. Starting in Wave 3, special missing .h is assigned to RwFARM if the respondent is not asked this question because they are living in a nursing home.

Please note that in Waves 3, 6, 7, and 8 respondents do not have the option of selecting that they live in a senior housing/retirement center, or assisted living.

## HRS Variables Used:

RAND HRS:

R10NHMLIV	r10nhmliv:w10 live in nurs home at iview
R11NHMLIV	r11nhmliv:w11 live in nurs home at iview
R12NHMLIV	r12nhmliv:w12 live in nurs home at iview
R13NHMLIV	r13nhmliv:w13 live in nurs home at iview
R14NHMLIV	r14nhmliv:w14 live in nurs home at iview
R15NHMLIV	r15nhmliv:w15 live in nurs home at iview
R3NHMLIV	r3nhmliv:w3 live in nurs home at iview

R4NHMLIV r4nhmliv:w4 live in nurs home at iver  
 R5NHMLIV r5nhmliv:w5 live in nurs home at iver  
 R6NHMLIV r6nhmliv:w6 live in nurs home at iver  
 R7NHMLIV r7nhmliv:w7 live in nurs home at iver  
 R8NHMLIV r8nhmliv:w8 live in nurs home at iver  
 R9NHMLIV r9nhmliv:w9 live in nurs home at iver  
 Wave 1:  
 V602 d1a:ckpt:r lvs rnch/farm  
 V7118 x11:structure r lives in  
 Wave 2 AHEAD:  
 B1029 f1. housing: type  
 B1040 f2. community for age 60+  
 B1041 f3. housing: part of association  
 B1086 f22. live on farm/ranch?  
 Wave 2 HRS:  
 W100 hhcs5. is residence different?  
 W605 d1.live on farm or ranch  
 W606 d2.mobile home/house/apa  
 Wave 3 AHEAD:  
 D2224 f1.live farm or ranch  
 D2225 f2.type home  
 D240 cs11.r-where live  
 D420 cs26.nurhm: still own/rent home  
 D441 cs36c.r moved main residence  
 Wave 3 HRS:  
 E2224 f1.live farm or ranch  
 E2225 f2.type home  
 E240 cs11.r-where live  
 E420 cs26.nurhm: still own/rent home  
 E441 cs36c.r moved main residence  
 Wave 4:  
 F2741 f1.live farm or ranch  
 F2742 f2.type home  
 F288 prev wave live on farm  
 F517 cs11.r in nursing home  
 F721 cs26.nurhm: still own/rent home  
 F744 cs36c.r changed main residence  
 Wave 5:  
 G288 pr288.prev wave live on farm  
 G3059 f1.live farm or ranch  
 G3060 f2.type home  
 G558 cs11.r in nursing home  
 G794 cs26.nurhm: still own/rent home  
 G821 cs36c.r changed main residence  
 Wave 6:  
 HA028 r in nursing home  
 HA070 nh: still own/rent home  
 HH001 live farm or ranch  
 HH002 type home  
 HX033 hh moved since previous wave-updated  
 HZ135 prev wave live on farm  
 Wave 7:  
 JA028 r in nursing home  
 JA070 nh: still own/rent home  
 JH001 live farm or ranch  
 JH002 type home  
 JX033 hh moved since previous wave-updated  
 JZ135 prev wave live on farm  
 Wave 8:  
 KA028 r in nursing home  
 KA070 nh: still own/rent home  
 KH001 live farm or ranch  
 KH002 type home

KX033 hh moved since previous wave-updated  
Wave 9:  
LA028 r in nursing home  
LA070 nh: still own/rent home  
LH001 live farm or ranch  
LH002 type home  
LX033 hh moved since previous wave-updated  
Wave 10:  
MA028 r in nursing home  
MA070 nh: still own/rent home  
MH001 live farm or ranch  
MH002 type home  
MX033 hh moved since previous wave -1  
Wave 11:  
NA028 r in nursing home  
NA070 nh: still own/rent home  
NH001 live farm or ranch  
NH002 type home  
NX033 hh moved since previous wave  
Wave 12:  
OA028 r in nursing home  
OA070 nh: still own/rent home  
OH001 live farm or ranch  
OH002 type home  
OX033 hh moved since previous wave  
Wave 13:  
PA028 r in nursing home  
PA070 nh: still own/rent home  
PH002 type home  
PX033 hh moved since previous wave  
Wave 14:  
QA028 r in nursing home  
QA070 nh: still own/rent home  
QH002 type home  
QX033 hh moved since previous wave  
Wave 15:  
RA028 r in nursing home  
RA070 nh: still own/rent home  
RH002 type home  
RX033 hh moved since previous wave

### Living Situation: Whether Lives in Urban or Rural Area

Wave	Variable	Label	Type
01	H1RURAL	h1rural:w1 lives in rural or urban	Categ
02	H2RURAL	h2rural:w2 lives in rural or urban	Categ
03	H3RURAL	h3rural:w3 lives in rural or urban	Categ
04	H4RURAL	h4rural:w4 lives in rural or urban	Categ
05	H5RURAL	h5rural:w5 lives in rural or urban	Categ
06	H6RURAL	h6rural:w6 lives in rural or urban	Categ
07	H7RURAL	h7rural:w7 lives in rural or urban	Categ
08	H8RURAL	h8rural:w8 lives in rural or urban	Categ
09	H9RURAL	h9rural:w9 lives in rural or urban	Categ
10	H10RURAL	h10rural:w10 lives in rural or urban	Categ
11	H11RURAL	h11rural:w11 lives in rural or urban	Categ
12	H12RURAL	h12rural:w12 lives in rural or urban	Categ
13	H13RURAL	h13rural:w13 lives in rural or urban	Categ
14	H14RURAL	h14rural:w14 lives in rural or urban	Categ
15	H15RURAL	h15rural:w15 lives in rural or urban	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1RURAL	12629	0.27	0.45	0.00	1.00
H2RURAL	20859	0.27	0.44	0.00	1.00
H3RURAL	20935	0.27	0.45	0.00	1.00
H4RURAL	24917	0.28	0.45	0.00	1.00
H5RURAL	23902	0.28	0.45	0.00	1.00
H6RURAL	22577	0.29	0.45	0.00	1.00
H7RURAL	24185	0.30	0.46	0.00	1.00
H8RURAL	22206	0.31	0.46	0.00	1.00
H9RURAL	20858	0.31	0.46	0.00	1.00
H10RURAL	26003	0.28	0.45	0.00	1.00
H11RURAL	24272	0.28	0.45	0.00	1.00
H12RURAL	21121	0.26	0.44	0.00	1.00
H13RURAL	23899	0.24	0.43	0.00	1.00
H14RURAL	22150	0.24	0.43	0.00	1.00
H15RURAL	20946	0.24	0.43	0.00	1.00

### Categorical Variable Codes

Value-----	H1RURAL	H2RURAL	H3RURAL	H4RURAL	H5RURAL
.m:Missing	22	19	15	1	5
.r:Refuse	6	11	26	39	67
0.urban	9174	15246	15225	17967	17109
1.rural	3455	5613	5710	6950	6793

Value-----	H6RURAL	H7RURAL	H8RURAL	H9RURAL	H10RURAL
.m:Missing	1	2	1		1
.r:Refuse	64	87	98	94	102
0.urban	16100	16924	15374	14412	18733
1.rural	6477	7261	6832	6446	7270

Value-----	H11RURAL	H12RURAL	H13RURAL	H14RURAL	H15RURAL
.m:Missing	1	1	3	2	1
.n:no code match		1863	2105	1978	1806
.r:Refuse	109				
0.urban	17505	15679	18051	16733	15891
1.rural	6767	5442	5848	5417	5055

### How Constructed:

HwRURAL indicates whether the respondent's household lives in an urban or rural area. HwRURAL is coded as 0 if the respondent lives in an urban area. HwRURAL is coded as 1 if the respondent lives in a rural area. The data used to derive these variables is taken from the Census Region/Division and Mobility File. This file includes designations based on Beale Rural Urban codes by wave using 1993, 2003, and 2013 coding. We employed 1993 coding for the years 1992-2002, 2003 coding for the years 2004-2012, and 2013 coding for the years 2014-2021. We consider those with urban and suburban codes in the Census file to live in an urban area, and those with ex-urban codes in the Census file to live in a rural area. HwRURAL is coded as .n if there is no match for the Beale Rural Urban code. HwRURAL is set to plain missing (.) for respondents who did not participate in the current wave.

## Cross Wave Differences in HRS

No differences known.

## HRS Variables Used:

Census Region:

BEALE1993_00	HRS URBAN-RURAL CODE 2000 (BEALE 1993)
BEALE1993_02	HRS URBAN-RURAL CODE 2002 (BEALE 1993)
BEALE1993_92	HRS URBAN-RURAL CODE 1992 (BEALE 1993)
BEALE1993_93	HRS URBAN-RURAL CODE 1993 (BEALE 1993)
BEALE1993_94	HRS URBAN-RURAL CODE 1994 (BEALE 1993)
BEALE1993_95	HRS URBAN-RURAL CODE 1995 (BEALE 1993)
BEALE1993_96	HRS URBAN-RURAL CODE 1996 (BEALE 1993)
BEALE1993_98	HRS URBAN-RURAL CODE 1998 (BEALE 1993)
BEALE2003_04	HRS URBAN-RURAL CODE 2004 (BEALE 2003)
BEALE2003_06	HRS URBAN-RURAL CODE 2006 (BEALE 2003)
BEALE2003_08	HRS URBAN-RURAL CODE 2008 (BEALE 2003)
BEALE2003_10	HRS URBAN-RURAL CODE 2010 (BEALE 2003)
BEALE2003_12	HRS URBAN-RURAL CODE 2012 (BEALE 2003)
BEALE2013_14	HRS URBAN-RURAL CODE 2014 (BEALE 2013)
BEALE2013_16	HRS URBAN-RURAL CODE 2016 (BEALE 2013)
BEALE2013_18	HRS URBAN-RURAL CODE 2018 (BEALE 2013)
BEALE2013_20	HRS URBAN-RURAL CODE 2020 (BEALE 2013)



<b>Living Situation: Whether Respondent Moved Since Last Wave</b>
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Wave	Variable	Label	Type
02	R2MOVESLW	r2moveslw:w2 whether r moved main residences since last wave	Categ
03	R3MOVESLW	r3moveslw:w3 whether r moved main residences since last wave	Categ
04	R4MOVESLW	r4moveslw:w4 whether r moved main residences since last wave	Categ
05	R5MOVESLW	r5moveslw:w5 whether r moved main residences since last wave	Categ
06	R6MOVESLW	r6moveslw:w6 whether r moved main residences since last wave	Categ
07	R7MOVESLW	r7moveslw:w7 whether r moved main residences since last wave	Categ
08	R8MOVESLW	r8moveslw:w8 whether r moved main residences since last wave	Categ
09	R9MOVESLW	r9moveslw:w9 whether r moved main residences since last wave	Categ
10	R10MOVESLW	r10moveslw:w10 whether r moved main residences since last wa	Categ
11	R11MOVESLW	r11moveslw:w11 whether r moved main residences since last wa	Categ
12	R12MOVESLW	r12moveslw:w12 whether r moved main residences since last wa	Categ
13	R13MOVESLW	r13moveslw:w13 whether r moved main residences since last wa	Categ
14	R14MOVESLW	r14moveslw:w14 whether r moved main residences since last wa	Categ
15	R15MOVESLW	r15moveslw:w15 whether r moved main residences since last wa	Categ
02	S2MOVESLW	s2moveslw:w2 whether s moved main residences since last wave	Categ
03	S3MOVESLW	s3moveslw:w3 whether s moved main residences since last wave	Categ
04	S4MOVESLW	s4moveslw:w4 whether s moved main residences since last wave	Categ
05	S5MOVESLW	s5moveslw:w5 whether s moved main residences since last wave	Categ
06	S6MOVESLW	s6moveslw:w6 whether s moved main residences since last wave	Categ
07	S7MOVESLW	s7moveslw:w7 whether s moved main residences since last wave	Categ
08	S8MOVESLW	s8moveslw:w8 whether s moved main residences since last wave	Categ
09	S9MOVESLW	s9moveslw:w9 whether s moved main residences since last wave	Categ
10	S10MOVESLW	s10moveslw:w10 whether s moved main residences since last wa	Categ
11	S11MOVESLW	s11moveslw:w11 whether s moved main residences since last wa	Categ
12	S12MOVESLW	s12moveslw:w12 whether s moved main residences since last wa	Categ
13	S13MOVESLW	s13moveslw:w13 whether s moved main residences since last wa	Categ
14	S14MOVESLW	s14moveslw:w14 whether s moved main residences since last wa	Categ
15	S15MOVESLW	s15moveslw:w15 whether s moved main residences since last wa	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MOVESLW	11491	0.12	0.32	0.00	1.00
R3MOVESLW	16866	0.11	0.31	0.00	1.00
R4MOVESLW	9950	0.11	0.31	0.00	1.00
R5MOVESLW	18373	0.11	0.31	0.00	1.00
R6MOVESLW	17224	0.17	0.38	0.00	1.00
R7MOVESLW	16199	0.15	0.36	0.00	1.00
R8MOVESLW	17819	0.14	0.35	0.00	1.00
R9MOVESLW	16493	0.12	0.33	0.00	1.00
R10MOVESLW	15024	0.11	0.32	0.00	1.00
R11MOVESLW	19592	0.12	0.33	0.00	1.00
R12MOVESLW	18066	0.13	0.34	0.00	1.00
R13MOVESLW	15891	0.15	0.35	0.00	1.00
R14MOVESLW	16393	0.13	0.34	0.00	1.00
R15MOVESLW	14227	0.17	0.37	0.00	1.00
S2MOVESLW	8636	0.10	0.31	0.00	1.00
S3MOVESLW	11018	0.08	0.27	0.00	1.00
S4MOVESLW	7616	0.09	0.29	0.00	1.00
S5MOVESLW	12409	0.10	0.30	0.00	1.00
S6MOVESLW	11036	0.15	0.35	0.00	1.00
S7MOVESLW	10252	0.12	0.33	0.00	1.00
S8MOVESLW	11307	0.11	0.31	0.00	1.00
S9MOVESLW	10228	0.09	0.29	0.00	1.00

S10MOVESLW	9103	0.08	0.27	0.00	1.00
S11MOVESLW	11791	0.09	0.29	0.00	1.00
S12MOVESLW	10605	0.10	0.30	0.00	1.00
S13MOVESLW	9069	0.11	0.31	0.00	1.00
S14MOVESLW	8887	0.10	0.30	0.00	1.00
S15MOVESLW	7716	0.13	0.34	0.00	1.00

### Categorical Variable Codes

Value-----	R2MOVESLW	R3MOVESLW	R4MOVESLW	R5MOVESLW
.b:New respondent	103	338	5154	750
.c:not ivwed prev wave			6280	455
.d:DK	1			
.q:not asked this wave	8222			
.s:skipped		787		
0.no	10130	15049	8895	16357
1.yes	1361	1817	1055	2016

Value-----	R6MOVESLW	R7MOVESLW	R8MOVESLW	R9MOVESLW	R10MOVESLW
.b:New respondent	228	25753	212	143	6446
.c:not ivwed prev wave	713	453	438	581	564
.m:Missing		1			
0.no	14237	13731	15322	14451	13301
1.yes	2987	2468	2497	2042	1723

Value-----	R11MOVESLW	R12MOVESLW	R13MOVESLW	R14MOVESLW	R15MOVESLW
.b:New respondent	521	187	4569	212	180
.c:not ivwed prev wave	440	494	446	361	1293
.m:Missing	1		6	180	23
0.no	17218	15699	13571	14265	11837
1.yes	2374	2367	2320	2128	2390

Value-----	S2MOVESLW	S3MOVESLW	S4MOVESLW	S5MOVESLW
.b:New respondent	102	111	3364	77
.c:not ivwed prev wave			2998	244
.q:not asked this wave	4350			
.s:skipped		787		
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
0.no	7730	10122	6929	11198
1.yes	906	896	687	1211

Value-----	S6MOVESLW	S7MOVESLW	S8MOVESLW	S9MOVESLW	S10MOVESLW
.b:New respondent	211	2489	203	139	4103
.c:not ivwed prev wave	385	227	218	273	302
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	9433	8984	10055	9294	8353
1.yes	1603	1268	1252	934	750

Value-----	S11MOVESLW	S12MOVESLW	S13MOVESLW	S14MOVESLW	S15MOVESLW
.b:New respondent	449	174	2527	195	164
.c:not ivwed prev wave	236	233	182	158	570
.m:Missing				118	16
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10725	9573	8059	8001	6689
1.yes	1066	1032	1010	886	1027

### How Constructed:

RwMOVESLW indicates whether the respondent moved to their current main residence since the last interview. A code of 1 is assigned if the respondent moved to the current main residence since the last interview. A code of 0 is assigned if the respondent did not move since the last interview. Don't know, refused, or other missing responses of RwMOVESLW are assigned special missing codes .d, .r, .m, respectively. Special missing .b is assigned if the respondent is a new respondent in the current wave. Special missing .c is assigned if the respondent has been previously interviewed but was not interviewed in the previous wave. Respondents in the AHEAD 1 sample were not asked about moving from their main residence, so they are assigned special missing .q in Wave 2. In the HRS sample in Wave 3, a programming error resulted in this question not being asked to a small sample of respondents, so special missing .s

is assigned. RwMOVESLW is set to plain missing (.) for respondents who did not respond to the current wave.

SwMOVESLW indicates whether the current wave's spouse moved to their current main residence since the last interview, and is taken from the spouse's values to RwMOVESLW. In addition to the special missing codes used in RwMOVESLW, SwMOVESLW employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

RwMOVESLW is available starting in Wave 2. This question is not asked in the AHEAD 1 questionnaire, so these respondents are assigned special missing .q in Wave 2. In the HRS sample in Wave 3, a programming error resulted in this question not being asked to a small sample of respondents, so special missing .s is assigned.

## HRS Variables Used:

Wave 2 AHEAD:	
BN_INHH	ahd w1: # r's responding in hhold
Wave 2 HRS:	
ASTATUS	1992 interview status
W100	hhcs5. is residence different?
Wave 3 AHEAD:	
D22_1	hh1 w1 r interv
D441	cs36c.r moved main residence
DPRVIW	ahd95: whether 1993 respondent
Wave 3 HRS:	
E22_1	hh1 r prev wave interv
E441	cs36c.r moved main residence
EPRVIW	hrs w3: wave of previous hrs interview
Wave 4:	
F26_1	hh1 r prev wave iw
F744	cs36c.r changed main residence
FPRVIW	hrs98: previous interview (a-e)
Wave 5:	
G26_1	pr26.hh1 r prev wave iw
G821	cs36c.r changed main residence
GPRVIW	hrs00: previous interview (a-f)
Wave 6:	
HPRVIW	hrs02: previous interview (a-g)
HX033	hh moved since previous wave-updated
HZ076	r ever interviewed
Wave 7:	
JPRVIW	hrs04: previous interview (a-h)
JX033	hh moved since previous wave-updated
JZ076	r ever interviewed
Wave 8:	
KPRVIW	hrs06: previous interview (a-h)
KX033	hh moved since previous wave-updated
KZ076	r ever interviewed
Wave 9:	
LPRVIW	hrs08: previous interview (a-h)
LX033	hh moved since previous wave-updated
LZ076	r ever interviewed
Wave 10:	
MPRVIW	hrs10: previous interview (a-h)
MX033	hh moved since previous wave -1
MZ076	r ever interviewed
Wave 11:	
NPRVIW	hrs12: previous interview (a-h)

NX033 hh moved since previous wave  
NZ076 r ever interviewed

Wave 12:  
OPRVIW hrs14: previous interview (a-h)  
OX033 hh moved since previous wave  
OZ076 r ever interviewed

Wave 13:  
PX033 hh moved since previous wave  
PZ023 prev wave which cohort  
PZ076 r ever interviewed

Wave 14:  
QX033 hh moved since previous wave  
QZ023 prev wave which cohort  
QZ076 r ever interviewed

Wave 15:  
RX033 hh moved since previous wave  
RZ023 prev wave which cohort  
RZ076 r ever interviewed

<b>Citizenship Status</b>
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Wave	Variable	Label	Type
0A	RAARRIAGE	raarriage: r age started to live in U.S.	Cont
01	S1ARRIAGE	s1arriage:w1 s age started to live in U.S.	Cont
02	S2ARRIAGE	s2arriage:w2 s age started to live in U.S.	Cont
03	S3ARRIAGE	s3arriage:w3 s age started to live in U.S.	Cont
04	S4ARRIAGE	s4arriage:w4 s age started to live in U.S.	Cont
05	S5ARRIAGE	s5arriage:w5 s age started to live in U.S.	Cont
06	S6ARRIAGE	s6arriage:w6 s age started to live in U.S.	Cont
07	S7ARRIAGE	s7arriage:w7 s age started to live in U.S.	Cont
08	S8ARRIAGE	s8arriage:w8 s age started to live in U.S.	Cont
09	S9ARRIAGE	s9arriage:w9 s age started to live in U.S.	Cont
10	S10ARRIAGE	s10arriage:w10 s age started to live in U.S.	Cont
11	S11ARRIAGE	s11arriage:w11 s age started to live in U.S.	Cont
12	S12ARRIAGE	s12arriage:w12 s age started to live in U.S.	Cont
13	S13ARRIAGE	s13arriage:w13 s age started to live in U.S.	Cont
14	S14ARRIAGE	s14arriage:w14 s age started to live in U.S.	Cont
15	S15ARRIAGE	s15arriage:w15 s age started to live in U.S.	Cont
0A	RACITIZEN	racitizen: whether r has U.S. citizenship	Categ
01	S1CITIZEN	s1citizen:w1 whether s has U.S. citizenship	Categ
02	S2CITIZEN	s2citizen:w2 whether s has U.S. citizenship	Categ
03	S3CITIZEN	s3citizen:w3 whether s has U.S. citizenship	Categ
04	S4CITIZEN	s4citizen:w4 whether s has U.S. citizenship	Categ
05	S5CITIZEN	s5citizen:w5 whether s has U.S. citizenship	Categ
06	S6CITIZEN	s6citizen:w6 whether s has U.S. citizenship	Categ
07	S7CITIZEN	s7citizen:w7 whether s has U.S. citizenship	Categ
08	S8CITIZEN	s8citizen:w8 whether s has U.S. citizenship	Categ
09	S9CITIZEN	s9citizen:w9 whether s has U.S. citizenship	Categ
10	S10CITIZEN	s10citizen:w10 whether s has U.S. citizenship	Categ
11	S11CITIZEN	s11citizen:w11 whether s has U.S. citizenship	Categ
12	S12CITIZEN	s12citizen:w12 whether s has U.S. citizenship	Categ
13	S13CITIZEN	s13citizen:w13 whether s has U.S. citizenship	Categ
14	S14CITIZEN	s14citizen:w14 whether s has U.S. citizenship	Categ
15	S15CITIZEN	s15citizen:w15 whether s has U.S. citizenship	Categ
0A	RAFCITIZEN	rafcitizen: flag wave r reported citizenship status	Categ
01	S1FCITIZEN	s1fcitizen:w1 flag wave s reported citizenship status	Categ
02	S2FCITIZEN	s2fcitizen:w2 flag wave s reported citizenship status	Categ
03	S3FCITIZEN	s3fcitizen:w3 flag wave s reported citizenship status	Categ
04	S4FCITIZEN	s4fcitizen:w4 flag wave s reported citizenship status	Categ
05	S5FCITIZEN	s5fcitizen:w5 flag wave s reported citizenship status	Categ
06	S6FCITIZEN	s6fcitizen:w6 flag wave s reported citizenship status	Categ
07	S7FCITIZEN	s7fcitizen:w7 flag wave s reported citizenship status	Categ
08	S8FCITIZEN	s8fcitizen:w8 flag wave s reported citizenship status	Categ
09	S9FCITIZEN	s9fcitizen:w9 flag wave s reported citizenship status	Categ
10	S10FCITIZEN	s10fcitizen:w10 flag wave s reported citizenship status	Categ
11	S11FCITIZEN	s11fcitizen:w11 flag wave s reported citizenship status	Categ
12	S12FCITIZEN	s12fcitizen:w12 flag wave s reported citizenship status	Categ
13	S13FCITIZEN	s13fcitizen:w13 flag wave s reported citizenship status	Categ
14	S14FCITIZEN	s14fcitizen:w14 flag wave s reported citizenship status	Categ
15	S15FCITIZEN	s15fcitizen:w15 flag wave s reported citizenship status	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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RAARRIAGE	5639	27.33	14.10	0.00	83.00
S1ARRIAGE	957	29.51	12.52	0.00	79.00
S2ARRIAGE	1202	29.37	15.46	0.00	79.00
S3ARRIAGE	1104	28.62	14.84	0.00	79.00
S4ARRIAGE	1248	27.87	14.32	0.00	79.00
S5ARRIAGE	1179	28.40	14.36	0.00	79.00
S6ARRIAGE	1096	28.86	14.17	0.00	79.00
S7ARRIAGE	1375	27.60	13.69	0.00	79.00
S8ARRIAGE	1186	27.39	13.48	0.00	72.00
S9ARRIAGE	1116	27.32	13.25	0.00	72.00
S10ARRIAGE	2013	26.86	12.34	0.00	73.00
S11ARRIAGE	1931	27.21	12.36	0.00	73.00
S12ARRIAGE	1803	27.26	12.26	0.00	73.00
S13ARRIAGE	2157	26.18	12.03	0.00	73.00
S14ARRIAGE	1686	26.40	12.36	0.00	73.00
S15ARRIAGE	1608	25.92	11.98	0.00	69.00
RACITIZEN	41240	0.96	0.20	0.00	1.00
S1CITIZEN	8911	1.00	0.00	1.00	1.00
S2CITIZEN	11817	1.00	0.00	1.00	1.00
S3CITIZEN	10754	1.00	0.00	1.00	1.00
S4CITIZEN	12702	1.00	0.00	1.00	1.00
S5CITIZEN	11524	1.00	0.00	1.00	1.00
S6CITIZEN	10509	1.00	0.00	1.00	1.00
S7CITIZEN	11568	1.00	0.00	1.00	1.00
S8CITIZEN	11719	0.97	0.18	0.00	1.00
S9CITIZEN	10631	0.96	0.18	0.00	1.00
S10CITIZEN	13465	0.94	0.24	0.00	1.00
S11CITIZEN	12440	0.94	0.25	0.00	1.00
S12CITIZEN	10985	0.93	0.25	0.00	1.00
S13CITIZEN	11753	0.92	0.27	0.00	1.00
S14CITIZEN	9340	0.92	0.27	0.00	1.00
S15CITIZEN	8450	0.91	0.28	0.00	1.00
RAFCITIZEN	41240	5.65	4.15	1.00	15.00
S1FCITIZEN	8911	1.00	0.00	1.00	1.00
S2FCITIZEN	11817	2.00	0.00	2.00	2.00
S3FCITIZEN	10754	2.00	0.19	1.00	3.00
S4FCITIZEN	12702	2.51	0.89	1.00	4.00
S5FCITIZEN	11524	2.56	0.95	1.00	5.00
S6FCITIZEN	10509	2.63	1.04	1.00	6.00
S7FCITIZEN	11568	3.43	1.93	1.00	7.00
S8FCITIZEN	11719	3.99	2.33	1.00	8.00
S9FCITIZEN	10631	4.10	2.40	1.00	9.00
S10FCITIZEN	13465	5.93	3.36	1.00	10.00
S11FCITIZEN	12440	6.14	3.42	1.00	11.00
S12FCITIZEN	10985	6.37	3.43	1.00	12.00
S13FCITIZEN	11753	7.92	4.01	1.00	13.00
S14FCITIZEN	9340	8.09	4.03	1.00	14.00
S15FCITIZEN	8450	8.34	3.98	1.00	15.00

### Categorical Variable Codes

Value-----	RACITIZEN
.b:born out of US, not aske	1143
.d:DK	1
.m:Missing	2
.r:Refuse	20
0.no	1711

1.yes		39529				
Value-----	S1CITIZEN	S2CITIZEN	S3CITIZEN	S4CITIZEN	S5CITIZEN	
.b:born out of US, not aske	988	1238	1136	1254	1187	
.m:Missing				1	1	
.r:Refuse	1	33	26	21	18	
.u:not coupled	2373	5976	5659	6870	6537	
.v:SP NR	379	578	416	536	311	
1.yes	8911	11817	10754	12702	11524	
Value-----	S6CITIZEN	S7CITIZEN	S8CITIZEN	S9CITIZEN	S10CITIZEN	
.b:born out of US, not aske	1106	1384	8	8	39	
.d:DK					1	
.m:Missing	2	2	1	1	1	
.r:Refuse	15	14			2	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
0.no			394	377	827	
1.yes	10509	11568	11325	10254	12638	
Value-----	S11CITIZEN	S12CITIZEN	S13CITIZEN	S14CITIZEN	S15CITIZEN	
.b:born out of US, not aske	33	24	22	16	16	
.d:DK	1	1	1			
.r:Refuse	2	2	2	2		
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
0.no	805	766	917	733	719	
1.yes	11635	10219	10836	8607	7731	
Value-----	RAFCITIZEN					
.b:born out of US, not aske	1143					
.d:DK	1					
.m:Missing	2					
.r:Refuse	20					
1.wave 1	868					
2.wave 2	17869					
3.wave 3	227					
4.wave 4	4695					
5.wave 5	230					
6.wave 6	194					
7.wave 7	2963					
8.wave 8	2024					
9.wave 9	241					
10.wave 10	6251					
11.wave 11	531					
12.wave 12	191					
13.wave 13	4544					
14.wave 14	217					
15.wave 15	195					
Value-----	S1FCITIZEN	S2FCITIZEN	S3FCITIZEN	S4FCITIZEN	S5FCITIZEN	
.b:born out of US, not aske	988	1238	1136	1254	1187	
.m:Missing				1	1	
.r:Refuse	1	33	26	21	18	
.u:not coupled	2373	5976	5659	6870	6537	
.v:SP NR	379	578	416	536	311	
1.wave 1	8911		197	193	188	
2.wave 2		11817	10355	9113	8045	
3.wave 3			202	147	119	
4.wave 4				3249	2957	
5.wave 5					215	
Value-----	S6FCITIZEN	S7FCITIZEN	S8FCITIZEN	S9FCITIZEN	S10FCITIZEN	
.b:born out of US, not aske	1106	1384	8	8	39	
.d:DK					1	
.m:Missing	2	2	1	1	1	
.r:Refuse	15	14			2	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
1.wave 1	185	168	149	137	123	
2.wave 2	7145	6384	5598	4945	4229	
3.wave 3	108	97	85	76	66	
4.wave 4	2725	2519	2333	2086	1876	
5.wave 5	162	139	129	113	104	
6.wave 6	184	144	121	107	88	
7.wave 7		2117	1922	1784	1679	

8.wave 8			1382	1193	1040
9.wave 9				190	156
10.wave 10					4104
Value-----	S11FCITIZEN	S12FCITIZEN	S13FCITIZEN	S14FCITIZEN	S15FCITIZEN
.b:born out of US, not aske	33	24	22	16	16
.d:DK	1	1	1		
.r:Refuse	2	2	2	2	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.wave 1	115	93	70	58	40
2.wave 2	3675	2987	2349	1757	1393
3.wave 3	55	39	29	14	11
4.wave 4	1708	1456	1179	914	812
5.wave 5	84	66	51	44	37
6.wave 6	72	59	45	35	29
7.wave 7	1552	1481	1314	1088	1053
8.wave 8	927	828	707	539	459
9.wave 9	136	124	92	67	62
10.wave 10	3656	3333	2973	2372	2267
11.wave 11	460	344	291	198	199
12.wave 12		175	127	85	68
13.wave 13			2526	1970	1702
14.wave 14				199	143
15.wave 15					175

### How Constructed:

RAARRIAGE indicates the age that the respondent first started living in the United States. RAARRIAGE is taken from the age that the respondent reported arriving in the US. If the age the respondent arrived in the US is not reported but the year arrived or number of years since arrival is reported, RAARRIAGE is derived by subtracting the year from the respondent's birth year, or by subtracting the number of years ago the respondent arrived from the respondent's age at interview. RAARRIAGE takes the first reported non-missing value. Don't know, refused, or other missing responses of RAARRIAGE are assigned special missing codes .d, .r, .m, respectively. Special missing .b is assigned if the respondent was born in the United States. Special missing .i is assigned if the calculation provided a negative value or if the age was greater than the respondent's current age. RAARRIAGE is set to plain missing (.) for respondents who did not respond to any wave.

SwARRIAGE indicates the age that the current wave's spouse first started living in the United States, and is taken from the spouse's values to RAARRIAGE. In addition to the special missing codes used in RAARRIAGE, SwARRIAGE employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RACITIZEN indicates whether the respondent was a citizen of the United States when they were asked in the HRS survey. This question was added to the HRS in Wave 8 and was asked once per respondent to every person not born in the United States since Wave 8. A code of 1 is assigned if the respondent was born in the United States or reported that they were a citizen of the United States. A code of 0 is assigned if the respondent is not a US citizen. RACITIZEN is assigned special missing .b if the respondent was only interviewed in Waves 1 through 7, was born outside of the country, and was not asked about their citizenship. Don't know, refused, or other missing responses of RACITIZEN are assigned special missing codes .d, .r, .m, respectively.

RAFCITIZEN is a flag variable indicating the wave in which the respondent answered the questions about their citizenship. In Waves 1 through 7, new respondents are only asked if they were born in the United States. In these waves, those who were born in the United States are assigned the wave in which they answered the question for RAFCITIZEN. Those who were not born in the United States are assigned special missing .b to indicate they were born out of the country and not asked about their citizenship. Starting in Wave 8, new respondents are asked if they were born in the United States, and if not, whether or not they are a citizen of the United States. In these waves, RAFCITIZEN is assigned the wave in which they answered these questions. Don't know, refused, or other missing responses of RAFCITIZEN are assigned special missing codes .d, .r, .m, respectively.

SwCITIZEN and SwFCITIZEN indicate whether the current wave's spouse is a citizen of the United States and a flag indicating the wave in which they provided the answer, and are taken from the spouse's values to RACITIZEN and RAFCITIZEN. In addition to the special missing codes used in RACITIZEN and RAFCITIZEN,



SwCITIZEN and SwFCITIZEN employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed. SwCITIZEN and SwFCITIZEN are set to plain missing (.) for respondents who did not participate in the current wave.

## Cross Wave Differences in HRS

For RAARRIAGE, the respondents can only report the year they came to the United States in the first wave. Starting in Wave 2, the respondents have the option to report the age they came to the United States, the year they came to the US, or how many years ago they came to the US. Starting in Wave 4, HRS changed the question wording from "In about what year did you come to the United States?" to "In about what year did you first come to live in the United States?"

In all waves, respondents new to the sample are asked if they were born in the United States. Starting in Wave 8, those who were not born in the United States are asked about their citizenship status. These questions are only asked once to each respondent.

## HRS Variables Used:

### RAND HRS:

R10AGEY_E	r10agey_e:w10	r age (years) at ivw endmon
R11AGEY_E	r11agey_e:w11	r age (years) at ivw endmon
R12AGEY_E	r12agey_e:w12	r age (years) at ivw endmon
R13AGEY_E	r13agey_e:w13	r age (years) at ivw endmon
R14AGEY_E	r14agey_e:w14	r age (years) at ivw endmon
R15AGEY_E	r15agey_e:w15	r age (years) at ivw endmon
R2AGEY_E	r2agey_e:w2	r age (years) at ivw endmon
R3AGEY_E	r3agey_e:w3	r age (years) at ivw endmon
R4AGEY_E	r4agey_e:w4	r age (years) at ivw endmon
R5AGEY_E	r5agey_e:w5	r age (years) at ivw endmon
R6AGEY_E	r6agey_e:w6	r age (years) at ivw endmon
R7AGEY_E	r7agey_e:w7	r age (years) at ivw endmon
R8AGEY_E	r8agey_e:w8	r age (years) at ivw endmon
R9AGEY_E	r9agey_e:w9	r age (years) at ivw endmon
RABYEAR	rabyear:	r birth year

### Wave 1:

V204	a2:born in the u.s.
V206	a2c:year imigrt to u.s.

### Wave 2 AHEAD:

B117	a2. born us?
B120	a2c. arrive us year
B121	a2d. arrive us years ago
B122	a2e. arrive us at age

### Wave 2 HRS:

W215	a12. born in the us
W218	a12c. come to us-year

### Wave 3 AHEAD:

D639	a2.born us?
D645	a2c.arrive us
D646	a2d.arrive us yr ago
D647	a2e.arrive us age

### Wave 3 HRS:

E639	a2.born us?
E645	a2c.arrive us
E646	a2d.arrive us yr ago
E647	a2e.arrive us age

### Wave 4:

F971	a2.born us?
F977	a2c.arrive us-yr
F978	a2d.arrive us-yrs ago
F979	a2e.arrive us-at age

Wave 5:  
G1060 a2.born us?  
G1064 a2c.arrive us-yr  
G1065 a2d.arrive us-yrs ago  
G1066 a2e.arrive us-at age

Wave 6:  
HB002 born in us  
HB006 arrive in us-year  
HB007 arrive in us-years ago  
HB008 arrive in us-at age

Wave 7:  
JB002 born in us  
JB006 arrive in us-year  
JB007 arrive in us-years ago  
JB008 arrive in us-at age

Wave 8:  
KB002 born in us  
KB006 arrive in us-year  
KB007 arrive in us-years ago  
KB008 arrive in us-at age  
KB085 us citizenship  
KZ076 r ever interviewed

Wave 9:  
LB002 born in us  
LB006 arrive in us-year  
LB007 arrive in us-years ago  
LB008 arrive in us-at age  
LB085 us citizenship  
LZ076 r ever interviewed

Wave 10:  
MB002 born in us  
MB006 arrive in us-year  
MB007 arrive in us-years ago  
MB008 arrive in us-at age  
MB085 us citizenship  
MZ076 r ever interviewed

Wave 11:  
NB002 born in us  
NB006 arrive in us-year  
NB007 arrive in us-years ago  
NB008 arrive in us-at age  
NB085 us citizenship  
NZ076 r ever interviewed

Wave 12:  
OB002 born in us  
OB006 arrive in us-year  
OB007 arrive in us-years ago  
OB008 arrive in us-at age  
OB085 us citizenship  
OZ076 r ever interviewed

Wave 13:  
PB002 born in us  
PB006 arrive in us-year  
PB007 arrive in us-years ago  
PB008 arrive in us-at age  
PB085 us citizenship

Wave 14:  
QB002 born in us  
QB006 arrive in us-year  
QB007 arrive in us-years ago  
QB008 arrive in us-at age  
QB085 us citizenship

Wave 15:

RB002	born in us
RB006	arrive in us-year
RB007	arrive in us-years ago
RB008	arrive in us-at age
RB085	us citizenship

## Regularly Uses Internet for Email

Wave	Variable	Label	Type
06	R6EMAIL	r6email:w6 whether r regularly uses web for emails	Categ
07	R7EMAIL	r7email:w7 whether r regularly uses web for emails	Categ
08	R8EMAIL	r8email:w8 whether r regularly uses web for emails	Categ
09	R9EMAIL	r9email:w9 whether r regularly uses web for emails	Categ
10	R10EMAIL	r10email:w10 whether r regularly uses web for emails	Categ
11	R11EMAIL	r11email:w11 whether r regularly uses web for emails	Categ
12	R12EMAIL	r12email:w12 whether r regularly uses web for emails	Categ
13	R13EMAIL	r13email:w13 whether r regularly uses web for emails	Categ
14	R14EMAIL	r14email:w14 whether r regularly uses web for emails	Categ
15	R15EMAIL	r15email:w15 whether r regularly uses web for emails	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R6EMAIL	16108	0.30	0.46	0.00	1.00
R7EMAIL	18266	0.38	0.48	0.00	1.00
R8EMAIL	17179	0.40	0.49	0.00	1.00
R9EMAIL	17176	0.41	0.49	0.00	1.00
R10EMAIL	21716	0.48	0.50	0.00	1.00
R11EMAIL	20460	0.51	0.50	0.00	1.00
R12EMAIL	18654	0.51	0.50	0.00	1.00
R13EMAIL	20738	0.57	0.50	0.00	1.00
R14EMAIL	16979	0.59	0.49	0.00	1.00
R15EMAIL	15501	0.63	0.48	0.00	1.00

### Categorical Variable Codes

Value-----	R6EMAIL	R7EMAIL	R8EMAIL	R9EMAIL	R10EMAIL
.d:DK	2	2	1	6	14
.m:Missing	12	51	20	23	279
.p:Proxy	2036	1802	1260		
.r:Refuse	7	8	9	12	25
0.no	11324	11412	10317	10087	11288
1.yes	4784	6854	6862	7089	10428

Value-----	R11EMAIL	R12EMAIL	R13EMAIL	R14EMAIL	R15EMAIL
.d:DK	10	9	16	23	15
.m:Missing	62	66	139	122	191
.r:Refuse	22	18	19	22	16
0.no	10109	9139	8932	6911	5773
1.yes	10351	9515	11806	10068	9728

### How Constructed:

RwEMAIL indicates whether the respondent uses the World Wide Web, or Internet, for sending and receiving email or for any other purpose, such as making purchases, searching for information, or making travel reservations. A code of 1 indicates that the respondent does use the internet. If the respondent does not use the internet, a code of 0 is assigned. Don't know, refused, or other missing responses of RwEMAIL are assigned special missing codes .d, .r, .m, respectively. Special missing .p is assigned in Waves 6 through 8 if the respondent is not asked this question because the interview was by proxy. RwEMAIL is set to plain missing (.) for respondents who did not respond to the current wave.

SwEMAIL indicates whether the current wave's spouse uses the World Wide Web, or Internet, for sending and receiving email or for any other purpose, and is taken from the spouse's values to RwEMAIL. In addition to the special missing codes used in RwEMAIL, SwEMAIL employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A

special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about internet or email use were added in Wave 6. This question was not asked to proxy respondents in Waves 6, 7, and 8, but starting in Wave 9 it was asked to proxy and non-proxy respondents.

### HRS Variables Used:

Wave 6:	
HA009	proxy/self interview
HW303	regular use of web for email
Wave 7:	
JA009	proxy/self interview
JW303	regular use of web for email
Wave 8:	
KA009	proxy/self interview
KW303	regular use of web for email
Wave 9:	
LW303	regular use of web for email
Wave 10:	
MW303	regular use of web for email
Wave 11:	
NW303	regular use of web for email
Wave 12:	
OW303	regular use of web for email
Wave 13:	
PW303	regular use of web for email
Wave 14:	
QW303	regular use of web for email
Wave 15:	
RW303	regular use of web for email

## **Section B: Health**

<b>Vision and Eye Treatments</b>
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Wave	Variable	Label	Type
01	R1SIGHT	r1sight:w1 r self-rated eyesight	Categ
02	R2SIGHT	r2sight:w2 r self-rated eyesight	Categ
03	R3SIGHT	r3sight:w3 r self-rated eyesight	Categ
04	R4SIGHT	r4sight:w4 r self-rated eyesight	Categ
05	R5SIGHT	r5sight:w5 r self-rated eyesight	Categ
06	R6SIGHT	r6sight:w6 r self-rated eyesight	Categ
07	R7SIGHT	r7sight:w7 r self-rated eyesight	Categ
08	R8SIGHT	r8sight:w8 r self-rated eyesight	Categ
09	R9SIGHT	r9sight:w9 r self-rated eyesight	Categ
10	R10SIGHT	r10sight:w10 r self-rated eyesight	Categ
11	R11SIGHT	r11sight:w11 r self-rated eyesight	Categ
12	R12SIGHT	r12sight:w12 r self-rated eyesight	Categ
13	R13SIGHT	r13sight:w13 r self-rated eyesight	Categ
14	R14SIGHT	r14sight:w14 r self-rated eyesight	Categ
15	R15SIGHT	r15sight:w15 r self-rated eyesight	Categ
01	S1SIGHT	s1sight:w1 s self-rated eyesight	Categ
02	S2SIGHT	s2sight:w2 s self-rated eyesight	Categ
03	S3SIGHT	s3sight:w3 s self-rated eyesight	Categ
04	S4SIGHT	s4sight:w4 s self-rated eyesight	Categ
05	S5SIGHT	s5sight:w5 s self-rated eyesight	Categ
06	S6SIGHT	s6sight:w6 s self-rated eyesight	Categ
07	S7SIGHT	s7sight:w7 s self-rated eyesight	Categ
08	S8SIGHT	s8sight:w8 s self-rated eyesight	Categ
09	S9SIGHT	s9sight:w9 s self-rated eyesight	Categ
10	S10SIGHT	s10sight:w10 s self-rated eyesight	Categ
11	S11SIGHT	s11sight:w11 s self-rated eyesight	Categ
12	S12SIGHT	s12sight:w12 s self-rated eyesight	Categ
13	S13SIGHT	s13sight:w13 s self-rated eyesight	Categ
14	S14SIGHT	s14sight:w14 s self-rated eyesight	Categ
15	S15SIGHT	s15sight:w15 s self-rated eyesight	Categ
03	R3DSIGHT	r3dsight:w3 r self-rated distance eyesight	Categ
04	R4DSIGHT	r4dsight:w4 r self-rated distance eyesight	Categ
05	R5DSIGHT	r5dsight:w5 r self-rated distance eyesight	Categ
06	R6DSIGHT	r6dsight:w6 r self-rated distance eyesight	Categ
07	R7DSIGHT	r7dsight:w7 r self-rated distance eyesight	Categ
08	R8DSIGHT	r8dsight:w8 r self-rated distance eyesight	Categ
09	R9DSIGHT	r9dsight:w9 r self-rated distance eyesight	Categ
10	R10DSIGHT	r10dsight:w10 r self-rated distance eyesight	Categ
11	R11DSIGHT	r11dsight:w11 r self-rated distance eyesight	Categ
12	R12DSIGHT	r12dsight:w12 r self-rated distance eyesight	Categ
13	R13DSIGHT	r13dsight:w13 r self-rated distance eyesight	Categ
14	R14DSIGHT	r14dsight:w14 r self-rated distance eyesight	Categ
15	R15DSIGHT	r15dsight:w15 r self-rated distance eyesight	Categ
03	S3DSIGHT	s3dsight:w3 s self-rated distance eyesight	Categ
04	S4DSIGHT	s4dsight:w4 s self-rated distance eyesight	Categ
05	S5DSIGHT	s5dsight:w5 s self-rated distance eyesight	Categ
06	S6DSIGHT	s6dsight:w6 s self-rated distance eyesight	Categ
07	S7DSIGHT	s7dsight:w7 s self-rated distance eyesight	Categ
08	S8DSIGHT	s8dsight:w8 s self-rated distance eyesight	Categ
09	S9DSIGHT	s9dsight:w9 s self-rated distance eyesight	Categ
10	S10DSIGHT	s10dsight:w10 s self-rated distance eyesight	Categ
11	S11DSIGHT	s11dsight:w11 s self-rated distance eyesight	Categ
12	S12DSIGHT	s12dsight:w12 s self-rated distance eyesight	Categ
13	S13DSIGHT	s13dsight:w13 s self-rated distance eyesight	Categ

14	S14DSIGHT	s14dsight:w14	s self-rated distance eyesight	Categ
15	S15DSIGHT	s15dsight:w15	s self-rated distance eyesight	Categ
03	R3NSIGHT	r3nsight:w3	r self-rated near eyesight	Categ
04	R4NSIGHT	r4nsight:w4	r self-rated near eyesight	Categ
05	R5NSIGHT	r5nsight:w5	r self-rated near eyesight	Categ
06	R6NSIGHT	r6nsight:w6	r self-rated near eyesight	Categ
07	R7NSIGHT	r7nsight:w7	r self-rated near eyesight	Categ
08	R8NSIGHT	r8nsight:w8	r self-rated near eyesight	Categ
09	R9NSIGHT	r9nsight:w9	r self-rated near eyesight	Categ
10	R10NSIGHT	r10nsight:w10	r self-rated near eyesight	Categ
11	R11NSIGHT	r11nsight:w11	r self-rated near eyesight	Categ
12	R12NSIGHT	r12nsight:w12	r self-rated near eyesight	Categ
13	R13NSIGHT	r13nsight:w13	r self-rated near eyesight	Categ
14	R14NSIGHT	r14nsight:w14	r self-rated near eyesight	Categ
15	R15NSIGHT	r15nsight:w15	r self-rated near eyesight	Categ
03	S3NSIGHT	s3nsight:w3	s self-rated near eyesight	Categ
04	S4NSIGHT	s4nsight:w4	s self-rated near eyesight	Categ
05	S5NSIGHT	s5nsight:w5	s self-rated near eyesight	Categ
06	S6NSIGHT	s6nsight:w6	s self-rated near eyesight	Categ
07	S7NSIGHT	s7nsight:w7	s self-rated near eyesight	Categ
08	S8NSIGHT	s8nsight:w8	s self-rated near eyesight	Categ
09	S9NSIGHT	s9nsight:w9	s self-rated near eyesight	Categ
10	S10NSIGHT	s10nsight:w10	s self-rated near eyesight	Categ
11	S11NSIGHT	s11nsight:w11	s self-rated near eyesight	Categ
12	S12NSIGHT	s12nsight:w12	s self-rated near eyesight	Categ
13	S13NSIGHT	s13nsight:w13	s self-rated near eyesight	Categ
14	S14NSIGHT	s14nsight:w14	s self-rated near eyesight	Categ
15	S15NSIGHT	s15nsight:w15	s self-rated near eyesight	Categ
02	R2CATRCT	r2catrct:w2	r reports cataract surgery this wave	Categ
03	R3CATRCT	r3catrct:w3	r reports cataract surgery this wave	Categ
04	R4CATRCT	r4catrct:w4	r reports cataract surgery this wave	Categ
05	R5CATRCT	r5catrct:w5	r reports cataract surgery this wave	Categ
06	R6CATRCT	r6catrct:w6	r reports cataract surgery this wave	Categ
07	R7CATRCT	r7catrct:w7	r reports cataract surgery this wave	Categ
08	R8CATRCT	r8catrct:w8	r reports cataract surgery this wave	Categ
09	R9CATRCT	r9catrct:w9	r reports cataract surgery this wave	Categ
10	R10CATRCT	r10catrct:w10	r reports cataract surgery this wave	Categ
11	R11CATRCT	r11catrct:w11	r reports cataract surgery this wave	Categ
12	R12CATRCT	r12catrct:w12	r reports cataract surgery this wave	Categ
13	R13CATRCT	r13catrct:w13	r reports cataract surgery this wave	Categ
14	R14CATRCT	r14catrct:w14	r reports cataract surgery this wave	Categ
15	R15CATRCT	r15catrct:w15	r reports cataract surgery this wave	Categ
02	S2CATRCT	s2catrct:w2	s reports cataract surgery this wave	Categ
03	S3CATRCT	s3catrct:w3	s reports cataract surgery this wave	Categ
04	S4CATRCT	s4catrct:w4	s reports cataract surgery this wave	Categ
05	S5CATRCT	s5catrct:w5	s reports cataract surgery this wave	Categ
06	S6CATRCT	s6catrct:w6	s reports cataract surgery this wave	Categ
07	S7CATRCT	s7catrct:w7	s reports cataract surgery this wave	Categ
08	S8CATRCT	s8catrct:w8	s reports cataract surgery this wave	Categ
09	S9CATRCT	s9catrct:w9	s reports cataract surgery this wave	Categ
10	S10CATRCT	s10catrct:w10	s reports cataract surgery this wave	Categ
11	S11CATRCT	s11catrct:w11	s reports cataract surgery this wave	Categ
12	S12CATRCT	s12catrct:w12	s reports cataract surgery this wave	Categ
13	S13CATRCT	s13catrct:w13	s reports cataract surgery this wave	Categ
14	S14CATRCT	s14catrct:w14	s reports cataract surgery this wave	Categ
15	S15CATRCT	s15catrct:w15	s reports cataract surgery this wave	Categ
02	R2CATRCTE	r2catrcte:w2	r ever had cataract surgery	Categ
03	R3CATRCTE	r3catrcte:w3	r ever had cataract surgery	Categ



04	R4CATRCTE	r4catrcte:w4	r	ever had cataract surgery	Categ
05	R5CATRCTE	r5catrcte:w5	r	ever had cataract surgery	Categ
06	R6CATRCTE	r6catrcte:w6	r	ever had cataract surgery	Categ
07	R7CATRCTE	r7catrcte:w7	r	ever had cataract surgery	Categ
08	R8CATRCTE	r8catrcte:w8	r	ever had cataract surgery	Categ
09	R9CATRCTE	r9catrcte:w9	r	ever had cataract surgery	Categ
10	R10CATRCTE	r10catrcte:w10	r	ever had cataract surgery	Categ
11	R11CATRCTE	r11catrcte:w11	r	ever had cataract surgery	Categ
12	R12CATRCTE	r12catrcte:w12	r	ever had cataract surgery	Categ
13	R13CATRCTE	r13catrcte:w13	r	ever had cataract surgery	Categ
14	R14CATRCTE	r14catrcte:w14	r	ever had cataract surgery	Categ
15	R15CATRCTE	r15catrcte:w15	r	ever had cataract surgery	Categ
02	S2CATRCTE	s2catrcte:w2	s	ever had cataract surgery	Categ
03	S3CATRCTE	s3catrcte:w3	s	ever had cataract surgery	Categ
04	S4CATRCTE	s4catrcte:w4	s	ever had cataract surgery	Categ
05	S5CATRCTE	s5catrcte:w5	s	ever had cataract surgery	Categ
06	S6CATRCTE	s6catrcte:w6	s	ever had cataract surgery	Categ
07	S7CATRCTE	s7catrcte:w7	s	ever had cataract surgery	Categ
08	S8CATRCTE	s8catrcte:w8	s	ever had cataract surgery	Categ
09	S9CATRCTE	s9catrcte:w9	s	ever had cataract surgery	Categ
10	S10CATRCTE	s10catrcte:w10	s	ever had cataract surgery	Categ
11	S11CATRCTE	s11catrcte:w11	s	ever had cataract surgery	Categ
12	S12CATRCTE	s12catrcte:w12	s	ever had cataract surgery	Categ
13	S13CATRCTE	s13catrcte:w13	s	ever had cataract surgery	Categ
14	S14CATRCTE	s14catrcte:w14	s	ever had cataract surgery	Categ
15	S15CATRCTE	s15catrcte:w15	s	ever had cataract surgery	Categ
03	R3NCATRCT	r3ncatrct:w3	r	number eyes cataract surg this wave	Categ
04	R4NCATRCT	r4ncatrct:w4	r	number eyes cataract surg this wave	Categ
05	R5NCATRCT	r5ncatrct:w5	r	number eyes cataract surg this wave	Categ
06	R6NCATRCT	r6ncatrct:w6	r	number eyes cataract surg this wave	Categ
07	R7NCATRCT	r7ncatrct:w7	r	number eyes cataract surg this wave	Categ
08	R8NCATRCT	r8ncatrct:w8	r	number eyes cataract surg this wave	Categ
09	R9NCATRCT	r9ncatrct:w9	r	number eyes cataract surg this wave	Categ
10	R10NCATRCT	r10ncatrct:w10	r	number eyes cataract surg this wave	Categ
11	R11NCATRCT	r11ncatrct:w11	r	number eyes cataract surg this wave	Categ
12	R12NCATRCT	r12ncatrct:w12	r	number eyes cataract surg this wave	Categ
13	R13NCATRCT	r13ncatrct:w13	r	number eyes cataract surg this wave	Categ
14	R14NCATRCT	r14ncatrct:w14	r	number eyes cataract surg this wave	Categ
15	R15NCATRCT	r15ncatrct:w15	r	number eyes cataract surg this wave	Categ
03	S3NCATRCT	s3ncatrct:w3	s	number eyes cataract surg this wave	Categ
04	S4NCATRCT	s4ncatrct:w4	s	number eyes cataract surg this wave	Categ
05	S5NCATRCT	s5ncatrct:w5	s	number eyes cataract surg this wave	Categ
06	S6NCATRCT	s6ncatrct:w6	s	number eyes cataract surg this wave	Categ
07	S7NCATRCT	s7ncatrct:w7	s	number eyes cataract surg this wave	Categ
08	S8NCATRCT	s8ncatrct:w8	s	number eyes cataract surg this wave	Categ
09	S9NCATRCT	s9ncatrct:w9	s	number eyes cataract surg this wave	Categ
10	S10NCATRCT	s10ncatrct:w10	s	number eyes cataract surg this wave	Categ
11	S11NCATRCT	s11ncatrct:w11	s	number eyes cataract surg this wave	Categ
12	S12NCATRCT	s12ncatrct:w12	s	number eyes cataract surg this wave	Categ
13	S13NCATRCT	s13ncatrct:w13	s	number eyes cataract surg this wave	Categ
14	S14NCATRCT	s14ncatrct:w14	s	number eyes cataract surg this wave	Categ
15	S15NCATRCT	s15ncatrct:w15	s	number eyes cataract surg this wave	Categ
03	R3GLAUCOMA	r3glaucoma:w3	r	ever treated for glaucoma	Categ
04	R4GLAUCOMA	r4glaucoma:w4	r	ever treated for glaucoma	Categ
05	R5GLAUCOMA	r5glaucoma:w5	r	ever treated for glaucoma	Categ
06	R6GLAUCOMA	r6glaucoma:w6	r	ever treated for glaucoma	Categ
07	R7GLAUCOMA	r7glaucoma:w7	r	ever treated for glaucoma	Categ
08	R8GLAUCOMA	r8glaucoma:w8	r	ever treated for glaucoma	Categ
09	R9GLAUCOMA	r9glaucoma:w9	r	ever treated for glaucoma	Categ

10	R10GLAUCOMA	r10glaucoma:w10	r ever treated for glaucoma	Categ
11	R11GLAUCOMA	r11glaucoma:w11	r ever treated for glaucoma	Categ
12	R12GLAUCOMA	r12glaucoma:w12	r ever treated for glaucoma	Categ
13	R13GLAUCOMA	r13glaucoma:w13	r ever treated for glaucoma	Categ
14	R14GLAUCOMA	r14glaucoma:w14	r ever treated for glaucoma	Categ
15	R15GLAUCOMA	r15glaucoma:w15	r ever treated for glaucoma	Categ
03	S3GLAUCOMA	s3glaucoma:w3	s ever treated for glaucoma	Categ
04	S4GLAUCOMA	s4glaucoma:w4	s ever treated for glaucoma	Categ
05	S5GLAUCOMA	s5glaucoma:w5	s ever treated for glaucoma	Categ
06	S6GLAUCOMA	s6glaucoma:w6	s ever treated for glaucoma	Categ
07	S7GLAUCOMA	s7glaucoma:w7	s ever treated for glaucoma	Categ
08	S8GLAUCOMA	s8glaucoma:w8	s ever treated for glaucoma	Categ
09	S9GLAUCOMA	s9glaucoma:w9	s ever treated for glaucoma	Categ
10	S10GLAUCOMA	s10glaucoma:w10	s ever treated for glaucoma	Categ
11	S11GLAUCOMA	s11glaucoma:w11	s ever treated for glaucoma	Categ
12	S12GLAUCOMA	s12glaucoma:w12	s ever treated for glaucoma	Categ
13	S13GLAUCOMA	s13glaucoma:w13	s ever treated for glaucoma	Categ
14	S14GLAUCOMA	s14glaucoma:w14	s ever treated for glaucoma	Categ
15	S15GLAUCOMA	s15glaucoma:w15	s ever treated for glaucoma	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SIGHT	12652	2.29	1.08	1.00	6.00
R2SIGHT	19621	2.60	1.12	1.00	6.00
R3SIGHT	17973	2.93	1.04	1.00	6.00
R4SIGHT	21371	2.85	1.04	1.00	6.00
R5SIGHT	19564	2.86	1.03	1.00	6.00
R6SIGHT	18141	2.84	1.02	1.00	6.00
R7SIGHT	20106	2.85	1.03	1.00	6.00
R8SIGHT	18438	2.86	1.02	1.00	6.00
R9SIGHT	17199	2.84	1.02	1.00	6.00
R10SIGHT	21985	2.88	1.02	1.00	6.00
R11SIGHT	20487	2.91	1.02	1.00	6.00
R12SIGHT	18699	2.95	1.01	1.00	6.00
R13SIGHT	20847	2.95	1.02	1.00	6.00
R14SIGHT	17108	2.95	1.01	1.00	5.00
R15SIGHT	15646	2.94	0.99	1.00	5.00
S1SIGHT	9900	2.24	1.05	1.00	6.00
S2SIGHT	13071	2.48	1.08	1.00	6.00
S3SIGHT	11908	2.83	1.00	1.00	6.00
S4SIGHT	13969	2.76	1.01	1.00	6.00
S5SIGHT	12726	2.75	1.00	1.00	6.00
S6SIGHT	11617	2.73	0.98	1.00	6.00
S7SIGHT	12959	2.75	1.00	1.00	6.00
S8SIGHT	11720	2.75	0.99	1.00	6.00
S9SIGHT	10632	2.74	0.98	1.00	6.00
S10SIGHT	13489	2.78	0.99	1.00	6.00
S11SIGHT	12442	2.82	1.00	1.00	6.00
S12SIGHT	10990	2.86	0.99	1.00	6.00
S13SIGHT	11750	2.86	0.99	1.00	6.00
S14SIGHT	9343	2.86	0.99	1.00	5.00
S15SIGHT	8438	2.83	0.97	1.00	5.00
R3DSIGHT	17970	2.60	1.07	1.00	6.00
R4DSIGHT	21353	2.55	1.06	1.00	6.00
R5DSIGHT	19547	2.63	1.04	1.00	6.00
R6DSIGHT	18127	2.63	1.04	1.00	6.00
R7DSIGHT	20092	2.60	1.03	1.00	6.00
R8DSIGHT	18428	2.64	1.02	1.00	6.00

R9DSIGHT	17176	2.59	1.02	1.00	6.00
R10DSIGHT	21971	2.57	1.03	1.00	6.00
R11DSIGHT	20498	2.62	1.02	1.00	6.00
R12DSIGHT	18703	2.65	1.02	1.00	6.00
R13DSIGHT	20865	2.61	1.03	1.00	6.00
R14DSIGHT	17122	2.61	1.03	1.00	5.00
R15DSIGHT	15663	2.59	1.01	1.00	5.00
S3DSIGHT	11911	2.50	1.03	1.00	6.00
S4DSIGHT	13962	2.46	1.02	1.00	6.00
S5DSIGHT	12713	2.52	1.00	1.00	6.00
S6DSIGHT	11617	2.52	0.99	1.00	6.00
S7DSIGHT	12949	2.50	0.99	1.00	6.00
S8DSIGHT	11710	2.54	0.97	1.00	6.00
S9DSIGHT	10631	2.49	0.98	1.00	6.00
S10DSIGHT	13481	2.48	1.00	1.00	6.00
S11DSIGHT	12453	2.52	0.99	1.00	6.00
S12DSIGHT	10999	2.55	0.99	1.00	6.00
S13DSIGHT	11767	2.53	1.00	1.00	6.00
S14DSIGHT	9344	2.51	1.01	1.00	5.00
S15DSIGHT	8442	2.50	0.98	1.00	5.00
R3NSIGHT	17969	2.79	1.10	1.00	6.00
R4NSIGHT	21354	2.73	1.09	1.00	6.00
R5NSIGHT	19540	2.76	1.05	1.00	6.00
R6NSIGHT	18124	2.75	1.05	1.00	6.00
R7NSIGHT	20083	2.75	1.06	1.00	6.00
R8NSIGHT	18426	2.77	1.03	1.00	6.00
R9NSIGHT	17177	2.74	1.04	1.00	6.00
R10NSIGHT	21980	2.78	1.07	1.00	6.00
R11NSIGHT	20495	2.83	1.07	1.00	6.00
R12NSIGHT	18700	2.84	1.05	1.00	6.00
R13NSIGHT	20872	2.85	1.07	1.00	6.00
R14NSIGHT	17115	2.83	1.06	1.00	5.00
R15NSIGHT	15675	2.81	1.03	1.00	5.00
S3NSIGHT	11905	2.70	1.07	1.00	6.00
S4NSIGHT	13962	2.65	1.05	1.00	6.00
S5NSIGHT	12711	2.65	1.02	1.00	6.00
S6NSIGHT	11616	2.65	1.01	1.00	6.00
S7NSIGHT	12952	2.66	1.02	1.00	6.00
S8NSIGHT	11709	2.68	1.00	1.00	6.00
S9NSIGHT	10628	2.65	1.01	1.00	6.00
S10NSIGHT	13483	2.69	1.04	1.00	6.00
S11NSIGHT	12453	2.75	1.05	1.00	6.00
S12NSIGHT	10993	2.75	1.03	1.00	6.00
S13NSIGHT	11766	2.77	1.06	1.00	6.00
S14NSIGHT	9343	2.74	1.05	1.00	5.00
S15NSIGHT	8444	2.72	1.02	1.00	5.00
R2CATRCT	8215	0.27	0.44	0.00	1.00
R3CATRCT	7023	0.12	0.32	0.00	1.00
R4CATRCT	10783	0.13	0.34	0.00	1.00
R5CATRCT	10019	0.11	0.31	0.00	1.00
R6CATRCT	10379	0.11	0.31	0.00	1.00
R7CATRCT	10175	0.11	0.31	0.00	1.00
R8CATRCT	10048	0.11	0.31	0.00	1.00
R9CATRCT	9667	0.12	0.32	0.00	1.00
R10CATRCT	8980	0.14	0.35	0.00	1.00
R11CATRCT	8317	0.12	0.32	0.00	1.00
R12CATRCT	7795	0.13	0.33	0.00	1.00
R13CATRCT	7388	0.14	0.34	0.00	1.00
R14CATRCT	6445	0.12	0.33	0.00	1.00

R15CATRCT	7029	0.12	0.33	0.00	1.00
S2CATRCT	4348	0.22	0.41	0.00	1.00
S3CATRCT	3610	0.10	0.30	0.00	1.00
S4CATRCT	6179	0.12	0.33	0.00	1.00
S5CATRCT	5708	0.10	0.30	0.00	1.00
S6CATRCT	5932	0.10	0.30	0.00	1.00
S7CATRCT	5932	0.11	0.31	0.00	1.00
S8CATRCT	5810	0.10	0.30	0.00	1.00
S9CATRCT	5594	0.11	0.31	0.00	1.00
S10CATRCT	5258	0.14	0.35	0.00	1.00
S11CATRCT	4861	0.12	0.32	0.00	1.00
S12CATRCT	4387	0.13	0.33	0.00	1.00
S13CATRCT	4071	0.14	0.34	0.00	1.00
S14CATRCT	3486	0.12	0.33	0.00	1.00
S15CATRCT	3766	0.12	0.33	0.00	1.00
R2CATRCTE	8215	0.27	0.44	0.00	1.00
R3CATRCTE	7026	0.32	0.47	0.00	1.00
R4CATRCTE	11103	0.26	0.44	0.00	1.00
R5CATRCTE	10712	0.29	0.45	0.00	1.00
R6CATRCTE	10876	0.30	0.46	0.00	1.00
R7CATRCTE	11094	0.31	0.46	0.00	1.00
R8CATRCTE	11348	0.32	0.47	0.00	1.00
R9CATRCTE	11335	0.34	0.47	0.00	1.00
R10CATRCTE	10919	0.38	0.48	0.00	1.00
R11CATRCTE	10726	0.40	0.49	0.00	1.00
R12CATRCTE	10357	0.41	0.49	0.00	1.00
R13CATRCTE	9961	0.42	0.49	0.00	1.00
R14CATRCTE	8984	0.43	0.49	0.00	1.00
R15CATRCTE	8971	0.42	0.49	0.00	1.00
S2CATRCTE	4348	0.22	0.41	0.00	1.00
S3CATRCTE	3610	0.26	0.44	0.00	1.00
S4CATRCTE	6304	0.20	0.40	0.00	1.00
S5CATRCTE	6042	0.23	0.42	0.00	1.00
S6CATRCTE	6153	0.24	0.42	0.00	1.00
S7CATRCTE	6365	0.25	0.43	0.00	1.00
S8CATRCTE	6452	0.26	0.44	0.00	1.00
S9CATRCTE	6387	0.29	0.45	0.00	1.00
S10CATRCTE	6155	0.33	0.47	0.00	1.00
S11CATRCTE	5991	0.35	0.48	0.00	1.00
S12CATRCTE	5579	0.37	0.48	0.00	1.00
S13CATRCTE	5209	0.37	0.48	0.00	1.00
S14CATRCTE	4628	0.38	0.49	0.00	1.00
S15CATRCTE	4597	0.37	0.48	0.00	1.00
R3NCATRCT	811	1.48	0.50	1.00	2.00
R4NCATRCT	1423	1.55	0.50	1.00	2.00
R5NCATRCT	1101	1.53	0.50	1.00	2.00
R6NCATRCT	1129	1.54	0.50	1.00	2.00
R7NCATRCT	1095	1.57	0.50	1.00	2.00
R8NCATRCT	1109	1.58	0.49	1.00	2.00
R9NCATRCT	1129	1.61	0.49	1.00	2.00
R10NCATRCT	1271	1.69	0.46	1.00	2.00
R11NCATRCT	995	1.67	0.47	1.00	2.00
R12NCATRCT	992	1.69	0.46	1.00	2.00
R13NCATRCT	1011	1.75	0.43	1.00	2.00
R14NCATRCT	806	1.78	0.42	1.00	2.00
R15NCATRCT	868	1.79	0.40	1.00	2.00
S3NCATRCT	358	1.47	0.50	1.00	2.00
S4NCATRCT	743	1.54	0.50	1.00	2.00

S5NCATRCT	574	1.52	0.50	1.00	2.00
S6NCATRCT	594	1.56	0.50	1.00	2.00
S7NCATRCT	624	1.56	0.50	1.00	2.00
S8NCATRCT	597	1.58	0.49	1.00	2.00
S9NCATRCT	594	1.59	0.49	1.00	2.00
S10NCATRCT	737	1.69	0.46	1.00	2.00
S11NCATRCT	561	1.69	0.46	1.00	2.00
S12NCATRCT	560	1.67	0.47	1.00	2.00
S13NCATRCT	557	1.75	0.43	1.00	2.00
S14NCATRCT	423	1.79	0.41	1.00	2.00
S15NCATRCT	466	1.82	0.38	1.00	2.00
R3GLAUCOMA	7012	0.11	0.31	0.00	1.00
R4GLAUCOMA	11086	0.10	0.30	0.00	1.00
R5GLAUCOMA	10697	0.12	0.33	0.00	1.00
R6GLAUCOMA	10853	0.13	0.34	0.00	1.00
R7GLAUCOMA	11070	0.14	0.35	0.00	1.00
R8GLAUCOMA	11324	0.14	0.35	0.00	1.00
R9GLAUCOMA	11308	0.15	0.36	0.00	1.00
R10GLAUCOMA	10896	0.16	0.37	0.00	1.00
R11GLAUCOMA	10703	0.18	0.38	0.00	1.00
R12GLAUCOMA	10341	0.18	0.39	0.00	1.00
R13GLAUCOMA	9927	0.19	0.39	0.00	1.00
R14GLAUCOMA	8962	0.20	0.40	0.00	1.00
R15GLAUCOMA	8941	0.19	0.39	0.00	1.00
S3GLAUCOMA	3609	0.10	0.30	0.00	1.00
S4GLAUCOMA	6301	0.08	0.28	0.00	1.00
S5GLAUCOMA	6038	0.10	0.30	0.00	1.00
S6GLAUCOMA	6145	0.11	0.31	0.00	1.00
S7GLAUCOMA	6358	0.11	0.32	0.00	1.00
S8GLAUCOMA	6450	0.12	0.32	0.00	1.00
S9GLAUCOMA	6380	0.12	0.33	0.00	1.00
S10GLAUCOMA	6148	0.13	0.34	0.00	1.00
S11GLAUCOMA	5983	0.14	0.35	0.00	1.00
S12GLAUCOMA	5574	0.15	0.36	0.00	1.00
S13GLAUCOMA	5192	0.17	0.37	0.00	1.00
S14GLAUCOMA	4615	0.16	0.37	0.00	1.00
S15GLAUCOMA	4579	0.16	0.37	0.00	1.00

### Categorical Variable Codes

Value-----	R1SIGHT	R2SIGHT	R3SIGHT	R4SIGHT	R5SIGHT
.d:DK		12	10	13	13
.m:Missing		174	2		
.o:other			4		
.r:Refuse		10	2		1
1.excellent	3598	3612	1582	2256	1811
2.very good	3813	5598	4208	5120	5002
3.good	3573	6564	7552	8925	8330
4.fair	1264	2741	3289	3714	3128
5.poor	402	1030	1247	1256	1186
6.blind	2	76	95	100	107

Value-----	R6SIGHT	R7SIGHT	R8SIGHT	R9SIGHT	R10SIGHT
.d:DK	22	20	27	16	47
.m:Missing			2		
.r:Refuse	2	3	2	2	2
1.excellent	1702	2029	1755	1626	1977
2.very good	4741	4952	4569	4535	5549
3.good	7760	8523	7900	7118	9089
4.fair	2770	3335	3059	2872	3954
5.poor	1069	1189	1069	976	1362
6.blind	99	78	86	72	54

Value-----	R11SIGHT	R12SIGHT	R13SIGHT	R14SIGHT	R15SIGHT
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.d:DK	60	47	56	31	66
.m:Missing	1		1		
.r:Refuse	6	1	8	7	11
1.excellent	1692	1338	1631	1307	1123
2.very good	5112	4593	4872	4035	3854
3.good	8428	7715	8710	7149	6594
4.fair	3862	3747	4209	3428	3063
5.poor	1328	1258	1372	1189	1012
6.blind	65	48	53		
Value-----	S1SIGHT	S2SIGHT	S3SIGHT	S4SIGHT	S5SIGHT
.d:DK		7	4	9	3
.m:Missing			2		
.o:other			2		
.r:Refuse		10			1
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
1.excellent	2909	2749	1133	1609	1346
2.very good	3110	4011	3017	3652	3527
3.good	2747	4228	5136	5880	5432
4.fair	880	1549	1984	2172	1811
5.poor	253	499	599	605	563
6.blind	1	35	39	51	47
Value-----	S6SIGHT	S7SIGHT	S8SIGHT	S9SIGHT	S10SIGHT
.d:DK	13	8	6	6	18
.m:Missing			1		
.r:Refuse	2	1	1	2	1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.excellent	1212	1459	1266	1085	1342
2.very good	3341	3482	3181	3059	3730
3.good	4987	5507	5012	4451	5588
4.fair	1579	1941	1736	1587	2209
5.poor	459	541	494	426	597
6.blind	39	29	31	24	23
Value-----	S11SIGHT	S12SIGHT	S13SIGHT	S14SIGHT	S15SIGHT
.d:DK	30	22	26	13	23
.m:Missing	1				
.r:Refuse	3		2	2	5
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.excellent	1167	878	1019	798	703
2.very good	3390	3027	3013	2468	2310
3.good	5089	4482	4937	3836	3541
4.fair	2187	2007	2178	1742	1475
5.poor	582	577	575	499	409
6.blind	27	19	28		
Value-----			R3DSIGHT	R4DSIGHT	R5DSIGHT
.d:DK			17	30	30
.m:Missing			2		
.r:Refuse			2	1	1
1.excellent			3134	3910	2956
2.very good			4803	5950	5486
3.good			7320	8422	8089
4.fair			1707	2061	1991
5.poor			911	910	918
6.blind			95	100	107
Value-----	R6DSIGHT	R7DSIGHT	R8DSIGHT	R9DSIGHT	R10DSIGHT
.d:DK	36	33	38	40	60
.m:Missing			2		
.r:Refuse	2	4	1	1	3
1.excellent	2718	3305	2707	2732	3815
2.very good	5111	5295	4920	4770	5934
3.good	7567	8612	8172	7283	9096
4.fair	1791	1919	1729	1586	2185
5.poor	841	883	814	733	887
6.blind	99	78	86	72	54
Value-----	R11DSIGHT	R12DSIGHT	R13DSIGHT	R14DSIGHT	R15DSIGHT
.d:DK	51	44	42	23	54
.m:Missing	1		1		
.r:Refuse	4		4	1	6

1.excellent	3206	2722	3477	2835	2468
2.very good	5456	4959	5322	4506	4403
3.good	8732	8011	8800	7076	6427
4.fair	2216	2172	2371	1963	1754
5.poor	823	791	842	742	611
6.blind	65	48	53		

Value-----			S3DSIGHT	S4DSIGHT	S5DSIGHT
.d:DK			3	16	16
.m:Missing			2		
.r:Refuse					1
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
1.excellent			2294	2757	2167
2.very good			3348	4140	3778
3.good			4797	5455	5216
4.fair			984	1123	1086
5.poor			449	436	419
6.blind			39	51	47

Value-----	S6DSIGHT	S7DSIGHT	S8DSIGHT	S9DSIGHT	S10DSIGHT
.d:DK	13	17	16	8	26
.m:Missing			1		
.r:Refuse	2	2	1	1	1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.excellent	1956	2388	1916	1901	2573
2.very good	3483	3597	3334	3134	3935
3.good	4825	5499	5152	4413	5398
4.fair	949	1042	918	852	1161
5.poor	365	394	359	307	391
6.blind	39	29	31	24	23

Value-----	S11DSIGHT	S12DSIGHT	S13DSIGHT	S14DSIGHT	S15DSIGHT
.d:DK	21	13	10	14	23
.m:Missing	1				
.r:Refuse	1		1		1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.excellent	2196	1808	2100	1715	1485
2.very good	3502	3147	3291	2688	2579
3.good	5219	4603	4818	3693	3326
4.fair	1173	1083	1193	950	816
5.poor	336	339	337	298	236
6.blind	27	19	28		

Value-----			R3NSIGHT	R4NSIGHT	R5NSIGHT
.d:DK			15	30	35
.m:Missing			2		
.o:other			2		
.r:Refuse			3		3
1.excellent			2418	3084	2402
2.very good			4267	5250	5073
3.good			7463	8895	8390
4.fair			2360	2630	2347
5.poor			1366	1395	1221
6.blind			95	100	107

Value-----	R6NSIGHT	R7NSIGHT	R8NSIGHT	R9NSIGHT	R10NSIGHT
.d:DK	38	42	40	39	49
.m:Missing			2		
.r:Refuse	3	4	1	1	5
1.excellent	2245	2643	2203	2193	2831
2.very good	4668	4832	4487	4325	5272
3.good	7854	8887	8344	7476	9363
4.fair	2148	2329	2202	2129	2931
5.poor	1110	1314	1104	982	1529
6.blind	99	78	86	72	54

Value-----	R11NSIGHT	R12NSIGHT	R13NSIGHT	R14NSIGHT	R15NSIGHT
.d:DK	56	44	35	30	41
.m:Missing	1		1		
.r:Refuse	2	3	4	1	7
1.excellent	2398	2059	2466	1998	1762
2.very good	4753	4377	4779	4178	3854
3.good	8864	8119	8803	7011	6674

4.fair	2912	2793	3211	2666	2383
5.poor	1503	1304	1560	1262	1002
6.blind	65	48	53		

Value-----			S3NSIGHT	S4NSIGHT	S5NSIGHT
.d:DK			8	16	17
.m:Missing			2		
.o:other			1		
.r:Refuse					2
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
1.excellent			1764	2170	1757
2.very good			3008	3690	3567
3.good			4953	5810	5420
4.fair			1403	1515	1312
5.poor			738	726	608
6.blind			39	51	47

Value-----	S6NSIGHT	S7NSIGHT	S8NSIGHT	S9NSIGHT	S10NSIGHT
.d:DK	14	15	17	11	22
.m:Missing			1		
.r:Refuse	2	1	1	1	3
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.excellent	1618	1900	1554	1513	1911
2.very good	3198	3298	3023	2859	3495
3.good	5043	5745	5308	4602	5679
4.fair	1219	1348	1259	1179	1642
5.poor	499	632	534	451	733
6.blind	39	29	31	24	23

Value-----	S11NSIGHT	S12NSIGHT	S13NSIGHT	S14NSIGHT	S15NSIGHT
.d:DK	21	19	12	15	19
.m:Missing	1				
.r:Refuse	1				3
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.excellent	1618	1324	1507	1202	1062
2.very good	3106	2843	2958	2491	2255
3.good	5314	4689	4854	3731	3496
4.fair	1623	1498	1714	1357	1220
5.poor	765	620	705	562	411
6.blind	27	19	28		

Value-----		R2CATRCT	R3CATRCT	R4CATRCT	R5CATRCT
.a:not asked-age				10240	8822
.b:both eyes in prev wave				314	683
.d:DK		7	4	8	11
.m:Missing				39	43
.q:not asked this wave		11595	10964		
0.no		5988	6212	9360	8917
1.yes		2227	811	1423	1102

Value-----	R6CATRCT	R7CATRCT	R8CATRCT	R9CATRCT	R10CATRCT
.a:not asked-age	7196	8996	7052	5860	11081
.b:both eyes in prev wave	482	913	1293	1659	1923
.d:DK	12	9	15	15	33
.m:Missing	96	35	61	15	16
.r:Refuse		1		1	1
0.no	9248	9080	8939	8536	7708
1.yes	1131	1095	1109	1131	1272

Value-----	R11CATRCT	R12CATRCT	R13CATRCT	R14CATRCT	R15CATRCT
.a:not asked-age	9802	8358	10917	8126	6711
.b:both eyes in prev wave	2398	2542	2568	2537	1933
.d:DK	19	32	14	10	22
.m:Missing	17	20	23	27	27
.r:Refuse	1		2	1	1
0.no	7322	6803	6383	5643	6163
1.yes	995	992	1005	802	866

Value-----		S2CATRCT	S3CATRCT	S4CATRCT	S5CATRCT
.a:not asked-age				7637	6657
.b:both eyes in prev wave				123	330
.d:DK		2		5	4
.m:Missing				34	31



.q:not asked this wave		8738		8306		
.u:not coupled		5976		5659	6870	6537
.v:SP NR		578		416	536	311
0.no		3406		3252	5436	5134
1.yes		942		358	743	574
Value-----	S6CATRCT	S7CATRCT	S8CATRCT	S9CATRCT	S10CATRCT	
.a:not asked-age	5405	6583	5235	4237	7336	
.b:both eyes in prev wave	215	430	640	791	887	
.d:DK	4	2	5	8	15	
.m:Missing	76	21	38	9	11	
.r:Refuse				1	1	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
0.no	5338	5308	5213	5000	4521	
1.yes	594	624	597	594	737	
Value-----	S11CATRCT	S12CATRCT	S13CATRCT	S14CATRCT	S15CATRCT	
.a:not asked-age	6470	5413	6552	4710	3853	
.b:both eyes in prev wave	1123	1184	1138	1142	827	
.d:DK	12	15	1	2	7	
.m:Missing	10	13	16	18	13	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
0.no	4300	3827	3518	3065	3301	
1.yes	561	560	553	421	465	
Value-----		R2CATRCTE	R3CATRCTE	R4CATRCTE	R5CATRCTE	
.a:not asked-age				10238	8820	
.d:DK		7	1	5	3	
.m:Missing				38	43	
.q:not asked this wave		11595	10964			
0.no		5988	4753	8208	7602	
1.yes		2227	2273	2895	3110	
Value-----	R6CATRCTE	R7CATRCTE	R8CATRCTE	R9CATRCTE	R10CATRCTE	
.a:not asked-age	7194	8995	7051	5859	11081	
.d:DK	7	4	9	7	17	
.m:Missing	88	35	61	15	16	
.r:Refuse		1		1	1	
0.no	7599	7653	7700	7455	6809	
1.yes	3277	3441	3648	3880	4110	
Value-----	R11CATRCTE	R12CATRCTE	R13CATRCTE	R14CATRCTE	R15CATRCTE	
.a:not asked-age	9802	8358	10917	8126	6711	
.d:DK	9	12	9	8	14	
.m:Missing	16	20	23	27	26	
.r:Refuse	1		2	1	1	
0.no	6477	6071	5789	5164	5240	
1.yes	4249	4286	4172	3820	3731	
Value-----		S2CATRCTE	S3CATRCTE	S4CATRCTE	S5CATRCTE	
.a:not asked-age				7637	6656	
.d:DK		2		3	1	
.m:Missing				34	31	
.q:not asked this wave		8738	8306			
.u:not coupled		5976	5659	6870	6537	
.v:SP NR		578	416	536	311	
0.no		3406	2680	5052	4674	
1.yes		942	930	1252	1368	
Value-----	S6CATRCTE	S7CATRCTE	S8CATRCTE	S9CATRCTE	S10CATRCTE	
.a:not asked-age	5404	6582	5235	4237	7336	
.d:DK	3		3	6	5	
.m:Missing	72	21	38	9	11	
.r:Refuse				1	1	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
0.no	4705	4769	4744	4562	4140	
1.yes	1448	1596	1708	1825	2015	
Value-----	S11CATRCTE	S12CATRCTE	S13CATRCTE	S14CATRCTE	S15CATRCTE	
.a:not asked-age	6470	5413	6552	4710	3853	
.d:DK	6	7	1	2	4	
.m:Missing	9	13	16	18	12	
.u:not coupled	7483	7125	8025	6684	6202	

.v:SP NR	595	610	1109	1104	1055
0.no	3924	3524	3265	2874	2896
1.yes	2067	2055	1944	1754	1701
Value-----			R3NCATRCT	R4NCATRCT	R5NCATRCT
.a:not asked-age				10240	8822
.b:both eyes in prev wave				314	866
.d:DK			4	8	12
.m:Missing				39	43
.q:not asked this wave			10964		
.x:no cataract surgery			6212	9360	8734
1.one eye only			421	640	514
2.both eyes			390	783	587
Value-----	R6NCATRCT	R7NCATRCT	R8NCATRCT	R9NCATRCT	R10NCATRCT
.a:not asked-age	7196	8996	7052	5860	11081
.b:both eyes in prev wave	1092	1369	1638	1922	2107
.d:DK	13	9	15	16	34
.m:Missing	96	35	61	15	16
.r:Refuse		1		1	1
.x:no cataract surgery	8639	8624	8594	8274	7524
1.one eye only	519	474	468	435	394
2.both eyes	610	621	641	694	877
Value-----	R11NCATRCT	R12NCATRCT	R13NCATRCT	R14NCATRCT	R15NCATRCT
.a:not asked-age	9802	8358	10917	8126	6711
.b:both eyes in prev wave	2532	2641	2626	2570	2477
.d:DK	19	32	14	10	23
.m:Missing	17	20	23	27	27
.r:Refuse	1		2	1	1
.x:no cataract surgery	7188	6704	6319	5606	5616
1.one eye only	329	308	252	179	178
2.both eyes	666	684	759	627	690
Value-----			S3NCATRCT	S4NCATRCT	S5NCATRCT
.a:not asked-age				7637	6657
.b:both eyes in prev wave				123	396
.d:DK				5	4
.m:Missing				34	31
.q:not asked this wave			8306		
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
.x:no cataract surgery			3252	5436	5068
1.one eye only			191	340	275
2.both eyes			167	403	299
Value-----	S6NCATRCT	S7NCATRCT	S8NCATRCT	S9NCATRCT	S10NCATRCT
.a:not asked-age	5405	6583	5235	4237	7336
.b:both eyes in prev wave	483	624	761	883	951
.d:DK	4	2	5	8	15
.m:Missing	76	21	38	9	11
.r:Refuse				1	1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no cataract surgery	5070	5114	5092	4908	4457
1.one eye only	262	273	253	245	226
2.both eyes	332	351	344	349	511
Value-----	S11NCATRCT	S12NCATRCT	S13NCATRCT	S14NCATRCT	S15NCATRCT
.a:not asked-age	6470	5413	6552	4710	3853
.b:both eyes in prev wave	1165	1209	1151	1149	1063
.d:DK	12	15	1	2	8
.m:Missing	10	13	16	18	13
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no cataract surgery	4258	3802	3501	3056	3063
1.one eye only	173	185	140	90	83
2.both eyes	388	375	417	333	383
Value-----			R3GLAUCOMA	R4GLAUCOMA	R5GLAUCOMA
.a:not asked-age				10234	8817
.d:DK			15	20	20
.m:Missing				44	44
.q:not asked this wave			10964		
0.no			6236	9939	9411
1.yes			776	1147	1286

Value-----	R6GLAUCOMA	R7GLAUCOMA	R8GLAUCOMA	R9GLAUCOMA	R10GLAUCOMA
.a:not asked-age	7192	8992	7049	5857	11079
.d:DK	26	30	33	35	41
.m:Missing	94	36	63	16	16
.r:Refuse		1		1	2
0.no	9449	9524	9695	9571	9112
1.yes	1404	1546	1629	1737	1784
Value-----	R11GLAUCOMA	R12GLAUCOMA	R13GLAUCOMA	R14GLAUCOMA	R15GLAUCOMA
.a:not asked-age	9800	8356	10917	8126	6711
.d:DK	33	28	43	30	43
.m:Missing	17	20	23	27	27
.r:Refuse	1	2	2	1	1
0.no	8805	8451	8041	7212	7219
1.yes	1898	1890	1886	1750	1722
Value-----			S3GLAUCOMA	S4GLAUCOMA	S5GLAUCOMA
.a:not asked-age				7634	6654
.d:DK			1	5	6
.m:Missing				38	32
.q:not asked this wave			8306		
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			3258	5776	5454
1.yes			351	525	584
Value-----	S6GLAUCOMA	S7GLAUCOMA	S8GLAUCOMA	S9GLAUCOMA	S10GLAUCOMA
.a:not asked-age	5403	6581	5233	4235	7335
.d:DK	9	8	7	14	13
.m:Missing	75	21	38	10	11
.r:Refuse				1	1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	5497	5638	5691	5588	5341
1.yes	648	720	759	792	807
Value-----	S11GLAUCOMA	S12GLAUCOMA	S13GLAUCOMA	S14GLAUCOMA	S15GLAUCOMA
.a:not asked-age	6469	5412	6552	4710	3853
.d:DK	14	12	17	15	21
.m:Missing	10	13	16	18	13
.r:Refuse		1	1		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	5139	4712	4334	3856	3845
1.yes	844	862	858	759	734

## How Constructed:

RwSIGHT indicates the respondent's self-rated eyesight while wearing glasses or corrective lenses as usual. Starting in Wave 3, respondents are asked to rate their distance vision and near vision while wearing glasses or corrective lenses as usual, these responses are coded in RwDSIGHT and RwNSIGHT, respectively. RwSIGHT, RwDSIGHT, and RwNSIGHT are coded as follows: 1.excellent, 2.very good, 3.good, 4.fair, 5.poor, 6.blind. Please note that blind is not a specified option, but rather a voluntary response from the respondent. If the respondent reports blindness for self-rated eyesight in RwSIGHT, then RwDSIGHT and RwNSIGHT are coded for blindness as well. In Waves 14 and 15, however, blindness is not recorded as a possible value for these three variables. Don't know, refused, or other missing responses of RwSIGHT, RwDSIGHT, and RwNSIGHT are assigned special missing codes .d, .r, and .m, respectively. Other responses to RwSIGHT, RwDSIGHT, and RwNSIGHT are assigned special missing code .o. RwSIGHT, RwDSIGHT, and RwNSIGHT are set to plain missing (.) for respondents who did not participate in the current wave.

SwSIGHT, SwDSIGHT, and SwNSIGHT indicate the self-rated eyesight, distance vision, and near vision of the respondent's current wave's spouse, and are taken from RwSIGHT, RwDSIGHT, and RwNSIGHT. In addition to the special missing codes employed by RwSIGHT, RwDSIGHT, and RwNSIGHT, SwSIGHT, SwDSIGHT, and SwNSIGHT employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwCATRCT indicates whether the respondent reported having cataract surgery this wave. RwCATRCTE indicates whether the respondent has ever reported having cataract surgery. RwCATRCT and RwCATRCTE are available starting in Wave 2. RwCATRCT and RwCATRCTE are coded as 0.no, and 1.yes. Starting in Wave 13, respondents

who reported having cataract surgery on one eye in a previous interview are asked whether they have had cataract surgery on the other eye since the previous interview, the answers to which are used to code RWCATRCT, while RWCATRCTE remains coded as a 1 regardless. Starting in Wave 4, respondents who are younger than age 65 are not asked about cataract surgery and are assigned a special missing code .a. Starting in Wave 4, respondents who reported having cataract surgery on both eyes in a previous wave are not asked about cataract surgery this wave and RWCATRCT is assigned a special missing code .b. Starting in Wave 13, respondents who report having cataract surgery in both eyes before their last interview in the current wave are also assigned special missing code .b. Don't know, refused, or other missing responses of RWCATRCT and RWCATRCTE are assigned special missing codes .d, .r, and .m, respectively. Respondents in the AHEAD cohort in Wave 2 are not asked this question and are assigned special missing code .q in Wave 2. Respondents in the HRS cohort in Wave 3 are not asked this question and are assigned special missing code .q in Wave 3. RWCATRCT and RWCATRCTE are set to plain missing (.) for respondents who did not participate in the current wave.

SwCATRCT and SwCATRCTE indicate whether the respondent's current wave's spouse reported this wave or has ever had cataract surgery, and are taken from RWCATRCT and RWCATRCTE. In addition to the special missing codes employed by RWCATRCT and RWCATRCTE, SwCATRCT and SwCATRCTE employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwNCATRCT indicates the number of eyes the respondent has had cataract surgery on in the current wave. RwNCATRCT is available starting in Wave 3. RwNCATRCT is coded as follows: 1.one eye only, 2.both eyes. Starting in Wave 13, respondents who reported having cataract surgery on one eye in a previous interview are asked whether they have had cataract surgery on the other eyesince the previous interview, and if the answer is yes, then RwNCATRCT is coded as 1. RwNCATRCT is coded as .x if the respondent has not reported any cataract surgery. Starting in Wave 4, respondents who are younger than age 65 are not asked about cataract surgery and are assigned special missing .a. Starting in Wave 4, respondents who reported having cataract surgery on both eyes in a previous wave are not asked about cataract surgery and RwNCATRCT is assigned a special missing code .b. Starting in Wave 13, respondents who report having cataract surgery in both eyes before their last interview in the current wave are also assigned special missing code .b. Don't know, refused, or other missing responses of RwNCATRCT are assigned special missing codes .d, .r, and .m, respectively. Respondents in the HRS cohort in Wave 3 are not asked this question and are assigned special missing code .q in Wave 3. RwNCATRCT is set to plain missing (.) for respondents who did not participate in the current wave.

SwNCATRCT indicates the number of eyes the respondent's current wave's spouse has had cataract surgery on, and is taken from RwNCATRCT. In addition to the special missing codes employed by RwNCATRCT, SwNCATRCT employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwGLAUCOMA indicates whether the respondent has ever been treated for glaucoma. RwGLAUCOMA is coded as 1 if the respondent has ever been treated for glaucoma, and is coded as 0 if the respondent has never been treated for glaucoma. RwGLAUCOMA is available starting in Wave 3. Respondents who are younger than age 65 are not asked about being treated for glaucoma and are assigned a special missing code .a. In Wave 3, respondents in the HRS cohort are not asked this question and are assigned special missing code .q. Don't know, refused, or other missing responses of RwGLAUCOMA are assigned special missing codes .d, .r, and .m, respectively. RwGLAUCOMA is set to plain missing (.) for respondents who did not participate in the current wave.

SwGLAUCOMA indicates whether the respondent's current wave's spouse has ever been treated for glaucoma, and is taken from RwGLAUCOMA. In addition to the special missing codes employed by RwGLAUCOMA, SwGLAUCOMA employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about distance and near vision are asked starting in Wave 3.

In Wave 2, respondents are asked if they have ever had cataract surgery. Respondents in the AHEAD cohort in Wave 2 and in the HRS cohort in Wave 3 are not asked about cataract surgery. In the AHEAD cohort in

Wave 3 and starting in Wave 4, respondents are either asked if they have ever had cataract surgery or if they have had cataract surgery since the previous interview. If they have had cataract surgery, they are asked whether it was on both eyes or just one. Starting in Wave 4, respondents who reported having cataract surgery on both eyes in a previous wave are no longer asked about cataracts in future waves. Also starting in Wave 4, respondents who are younger than age 65 are not asked about cataract surgery. Starting in Wave 13, respondents who have reported cataract surgery on only one eye in a previous wave are asked whether they have had cataract surgery in the other eye since the previous wave, while respondents who have never reported cataract surgery are continued to ask the same questions that started in Wave 3. Starting in Wave 13, respondents who reported cataract surgery on only one eye in a previous wave can voluntarily report that they had cataract surgery in both eyes before their last interview.

Respondents in HRS Waves 1 through 3 and in the AHEAD cohort in Wave 2 are not asked about treatment for glaucoma. Questions about treatment for glaucoma are asked in the AHEAD cohort in Wave 3 and starting in Wave 4.

In Waves 14 and 15, blindness is not coded as an option for the HRS variables that serve as the basis for RwSIGHT, RwDSIGHT, and RwnSIGHT.

### HRS Variables Used:

Wave 1:	
V450	b32:sight w/ glasses:imp
Wave 2 AHEAD:	
B288	b15a. rate corrected eyesight
B289	b15b. cataract surgery ever
Wave 2 HRS:	
W448	b37.rate eyesight
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D900	b16. rate eyesight
D901	b16a. rate distal vision
D902	b16b. rate near vision
D903	b16c.cataract
D904	b16d. cataract surgery-2
D906	b16f. glaucoma
Wave 3 HRS:	
E900	b16. rate eyesight
E901	b16a. rate distal vision
E902	b16b. rate near vision
E903	b16c.cataract
EN_INHH	hrs w3: # r's responding in hhold
Wave 4:	
F1228	b16. rate eyesight
F1229	b16a. rate distal vision
F1230	b16b. rate near vision
F1231	b16c.cataract
F1232	b16d. cataract surgery-2
F1234	b16f. glaucoma
Wave 5:	
G1361	b16. rate eyesight
G1362	b16a. rate distal vision
G1363	b16b. rate near vision
G1364	b16c.cataract
G1365	b16d. cataract surgery-2
G1367	b16f. glaucoma
Wave 6:	
HC095	rate eyesight
HC096	rate distal vision
HC097	rate near vision
HC098	cataract surgery
HC099	cataract surgery on one or both eyes
HC101	glaucoma
Wave 7:	

JC095 rate eyesight  
JC096 rate distal vision  
JC097 rate near vision  
JC098 cataract surgery  
JC099 cataract surgery on one or both eyes  
JC101 glaucoma

Wave 8:  
KC095 rate eyesight  
KC096 rate distal vision  
KC097 rate near vision  
KC098 cataract surgery  
KC099 cataract surgery on one or both eyes  
KC101 glaucoma

Wave 9:  
LC095 rate eyesight  
LC096 rate distal vision  
LC097 rate near vision  
LC098 cataract surgery  
LC099 cataract surgery on one or both eyes  
LC101 glaucoma

Wave 10:  
MC095 rate eyesight  
MC096 rate distal vision  
MC097 rate near vision  
MC098 cataract surgery  
MC099 cataract surgery on one or both eyes  
MC101 glaucoma

Wave 11:  
NC095 rate eyesight  
NC096 rate distal vision  
NC097 rate near vision  
NC098 cataract surgery  
NC099 cataract surgery on one or both eyes  
NC101 glaucoma

Wave 12:  
OC095 rate eyesight  
OC096 rate distal vision  
OC097 rate near vision  
OC098 cataract surgery  
OC099 cataract surgery on one or both eyes  
OC101 glaucoma

Wave 13:  
PC095 rate eyesight  
PC096 rate distal vision  
PC097 rate near vision  
PC098 cataract surgery  
PC099 cataract surgery on one or both eyes  
PC101 glaucoma  
PC284 had cataract surgery in other eye

Wave 14:  
QC095 rate eyesight  
QC096 rate distal vision  
QC097 rate near vision  
QC098 cataract surgery  
QC099 cataract surgery on one or both eyes  
QC101 glaucoma  
QC284 had cataract surgery in other eye

Wave 15:  
RC095 rate eyesight  
RC096 rate distal vision  
RC097 rate near vision  
RC098 cataract surgery  
RC099 cataract surgery on one or both eyes

RC101            glaucoma  
RC284            had cataract surgery in other eye

<b>Hearing</b>
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Wave	Variable	Label	Type
01	R1HEARING	r1hearing:w1 r self-rated hearing	Categ
02	R2HEARING	r2hearing:w2 r self-rated hearing	Categ
03	R3HEARING	r3hearing:w3 r self-rated hearing	Categ
04	R4HEARING	r4hearing:w4 r self-rated hearing	Categ
05	R5HEARING	r5hearing:w5 r self-rated hearing	Categ
06	R6HEARING	r6hearing:w6 r self-rated hearing	Categ
07	R7HEARING	r7hearing:w7 r self-rated hearing	Categ
08	R8HEARING	r8hearing:w8 r self-rated hearing	Categ
09	R9HEARING	r9hearing:w9 r self-rated hearing	Categ
10	R10HEARING	r10hearing:w10 r self-rated hearing	Categ
11	R11HEARING	r11hearing:w11 r self-rated hearing	Categ
12	R12HEARING	r12hearing:w12 r self-rated hearing	Categ
13	R13HEARING	r13hearing:w13 r self-rated hearing	Categ
14	R14HEARING	r14hearing:w14 r self-rated hearing	Categ
15	R15HEARING	r15hearing:w15 r self-rated hearing	Categ
01	S1HEARING	s1hearing:w1 s self-rated hearing	Categ
02	S2HEARING	s2hearing:w2 s self-rated hearing	Categ
03	S3HEARING	s3hearing:w3 s self-rated hearing	Categ
04	S4HEARING	s4hearing:w4 s self-rated hearing	Categ
05	S5HEARING	s5hearing:w5 s self-rated hearing	Categ
06	S6HEARING	s6hearing:w6 s self-rated hearing	Categ
07	S7HEARING	s7hearing:w7 s self-rated hearing	Categ
08	S8HEARING	s8hearing:w8 s self-rated hearing	Categ
09	S9HEARING	s9hearing:w9 s self-rated hearing	Categ
10	S10HEARING	s10hearing:w10 s self-rated hearing	Categ
11	S11HEARING	s11hearing:w11 s self-rated hearing	Categ
12	S12HEARING	s12hearing:w12 s self-rated hearing	Categ
13	S13HEARING	s13hearing:w13 s self-rated hearing	Categ
14	S14HEARING	s14hearing:w14 s self-rated hearing	Categ
15	S15HEARING	s15hearing:w15 s self-rated hearing	Categ
01	R1HEARAID	r1hearaid:w1 r wears hearing aid	Categ
02	R2HEARAID	r2hearaid:w2 r wears hearing aid	Categ
03	R3HEARAID	r3hearaid:w3 r wears hearing aid	Categ
04	R4HEARAID	r4hearaid:w4 r wears hearing aid	Categ
05	R5HEARAID	r5hearaid:w5 r wears hearing aid	Categ
06	R6HEARAID	r6hearaid:w6 r wears hearing aid	Categ
07	R7HEARAID	r7hearaid:w7 r wears hearing aid	Categ
08	R8HEARAID	r8hearaid:w8 r wears hearing aid	Categ
09	R9HEARAID	r9hearaid:w9 r wears hearing aid	Categ
10	R10HEARAID	r10hearaid:w10 r wears hearing aid	Categ
11	R11HEARAID	r11hearaid:w11 r wears hearing aid	Categ
12	R12HEARAID	r12hearaid:w12 r wears hearing aid	Categ
13	R13HEARAID	r13hearaid:w13 r wears hearing aid	Categ
14	R14HEARAID	r14hearaid:w14 r wears hearing aid	Categ
15	R15HEARAID	r15hearaid:w15 r wears hearing aid	Categ
01	S1HEARAID	s1hearaid:w1 s wears hearing aid	Categ
02	S2HEARAID	s2hearaid:w2 s wears hearing aid	Categ
03	S3HEARAID	s3hearaid:w3 s wears hearing aid	Categ
04	S4HEARAID	s4hearaid:w4 s wears hearing aid	Categ
05	S5HEARAID	s5hearaid:w5 s wears hearing aid	Categ
06	S6HEARAID	s6hearaid:w6 s wears hearing aid	Categ
07	S7HEARAID	s7hearaid:w7 s wears hearing aid	Categ
08	S8HEARAID	s8hearaid:w8 s wears hearing aid	Categ
09	S9HEARAID	s9hearaid:w9 s wears hearing aid	Categ



10	S10HEARAID	s10hearaid:w10	s wears hearing aid	Categ
11	S11HEARAID	s11hearaid:w11	s wears hearing aid	Categ
12	S12HEARAID	s12hearaid:w12	s wears hearing aid	Categ
13	S13HEARAID	s13hearaid:w13	s wears hearing aid	Categ
14	S14HEARAID	s14hearaid:w14	s wears hearing aid	Categ
15	S15HEARAID	s15hearaid:w15	s wears hearing aid	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HEARING	12652	2.30	1.09	1.00	5.00
R2HEARING	19626	2.55	1.10	1.00	5.00
R3HEARING	17977	2.58	1.11	1.00	5.00
R4HEARING	21369	2.59	1.12	1.00	5.00
R5HEARING	19560	2.62	1.10	1.00	5.00
R6HEARING	18148	2.66	1.10	1.00	5.00
R7HEARING	20108	2.64	1.12	1.00	5.00
R8HEARING	18444	2.71	1.10	1.00	5.00
R9HEARING	17206	2.67	1.12	1.00	5.00
R10HEARING	22016	2.62	1.10	1.00	5.00
R11HEARING	20540	2.67	1.10	1.00	5.00
R12HEARING	18722	2.68	1.09	1.00	5.00
R13HEARING	20885	2.64	1.09	1.00	5.00
R14HEARING	17125	2.67	1.06	1.00	5.00
R15HEARING	15693	2.62	1.05	1.00	5.00
S1HEARING	9900	2.29	1.09	1.00	5.00
S2HEARING	13076	2.50	1.10	1.00	5.00
S3HEARING	11908	2.54	1.11	1.00	5.00
S4HEARING	13973	2.55	1.12	1.00	5.00
S5HEARING	12720	2.57	1.09	1.00	5.00
S6HEARING	11625	2.61	1.09	1.00	5.00
S7HEARING	12957	2.59	1.12	1.00	5.00
S8HEARING	11720	2.66	1.10	1.00	5.00
S9HEARING	10634	2.63	1.11	1.00	5.00
S10HEARING	13501	2.58	1.10	1.00	5.00
S11HEARING	12467	2.62	1.09	1.00	5.00
S12HEARING	11002	2.64	1.09	1.00	5.00
S13HEARING	11768	2.60	1.08	1.00	5.00
S14HEARING	9347	2.63	1.05	1.00	5.00
S15HEARING	8454	2.60	1.03	1.00	5.00
R1HEARAID	12652	0.02	0.14	0.00	1.00
R2HEARAID	19640	0.07	0.25	0.00	1.00
R3HEARAID	17987	0.08	0.27	0.00	1.00
R4HEARAID	21380	0.08	0.27	0.00	1.00
R5HEARAID	19577	0.09	0.28	0.00	1.00
R6HEARAID	18165	0.10	0.30	0.00	1.00
R7HEARAID	20127	0.09	0.29	0.00	1.00
R8HEARAID	18465	0.10	0.30	0.00	1.00
R9HEARAID	17215	0.11	0.32	0.00	1.00
R10HEARAID	22029	0.09	0.29	0.00	1.00
R11HEARAID	20552	0.10	0.31	0.00	1.00
R12HEARAID	18746	0.11	0.32	0.00	1.00
R13HEARAID	20907	0.10	0.30	0.00	1.00
R14HEARAID	17140	0.11	0.32	0.00	1.00
R15HEARAID	15716	0.12	0.33	0.00	1.00
S1HEARAID	9900	0.02	0.15	0.00	1.00
S2HEARAID	13087	0.06	0.24	0.00	1.00
S3HEARAID	11914	0.07	0.26	0.00	1.00
S4HEARAID	13975	0.07	0.26	0.00	1.00

S5HEARAIID	12729	0.08	0.27	0.00	1.00
S6HEARAIID	11632	0.09	0.29	0.00	1.00
S7HEARAIID	12967	0.09	0.28	0.00	1.00
S8HEARAIID	11726	0.10	0.30	0.00	1.00
S9HEARAIID	10638	0.11	0.31	0.00	1.00
S10HEARAIID	13505	0.09	0.29	0.00	1.00
S11HEARAIID	12474	0.10	0.30	0.00	1.00
S12HEARAIID	11012	0.11	0.31	0.00	1.00
S13HEARAIID	11777	0.10	0.30	0.00	1.00
S14HEARAIID	9355	0.12	0.32	0.00	1.00
S15HEARAIID	8463	0.12	0.33	0.00	1.00

### Categorical Variable Codes

Value-----	R1HEARING	R2HEARING	R3HEARING	R4HEARING	R5HEARING
.d:DK		8	6	14	17
.m:Missing		174	2		
.o:other			4		
.r:Refuse		9	2	1	1
1.excellent	3767	4042	3648	4290	3537
2.very good	3483	5211	4637	5569	5315
3.good	3625	6641	6167	7195	6717
4.fair	1455	2931	2663	3163	3029
5.poor	322	801	862	1152	962

Value-----	R6HEARING	R7HEARING	R8HEARING	R9HEARING	R10HEARING
.d:DK	15	18	22	8	15
.m:Missing			2		
.r:Refuse	2	3	1	3	3
1.excellent	3116	3753	2919	2978	4109
2.very good	4816	5103	4860	4610	5847
3.good	6360	6943	6490	5831	7546
4.fair	2893	3188	3083	2756	3408
5.poor	963	1121	1092	1031	1106

Value-----	R11HEARING	R12HEARING	R13HEARING	R14HEARING	R15HEARING
.d:DK	12	24	24	18	27
.m:Missing	1		1		
.r:Refuse	1	1	2	3	3
1.excellent	3428	3039	3698	2672	2535
2.very good	5523	4995	5524	4673	4507
3.good	7083	6578	7312	6197	5651
4.fair	3386	3109	3350	2812	2375
5.poor	1120	1001	1001	771	625

Value-----	S1HEARING	S2HEARING	S3HEARING	S4HEARING	S5HEARING
.d:DK		4	3	5	9
.m:Missing			2		
.o:other			3		
.r:Refuse		8			1
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
1.excellent	2974	2892	2568	2973	2488
2.very good	2737	3557	3122	3725	3507
3.good	2771	4278	3987	4607	4289
4.fair	1168	1867	1715	1998	1879
5.poor	250	482	516	670	557

Value-----	S6HEARING	S7HEARING	S8HEARING	S9HEARING	S10HEARING
.d:DK	6	10	6	4	6
.m:Missing			1		
.r:Refuse	1	1	1	2	1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.excellent	2134	2597	1969	1907	2618
2.very good	3135	3375	3213	2929	3675
3.good	4052	4352	4002	3577	4542
4.fair	1766	1999	1921	1650	2047
5.poor	538	634	615	571	619

Value-----	S11HEARING	S12HEARING	S13HEARING	S14HEARING	S15HEARING
.d:DK	8	10	10	11	11

.m:Missing		1				
.r:Refuse						1
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.excellent		2232	1899	2135	1506	1367
2.very good		3403	3036	3281	2680	2538
3.good		4253	3754	3980	3315	2983
4.fair		1986	1777	1886	1478	1281
5.poor		593	536	486	368	285
Value-----		R1HEARAI	R2HEARAI	R3HEARAI	R4HEARAI	R5HEARAI
.d:DK			2		4	
.m:Missing			174	2		
.r:Refuse			1	2		1
0.no		12388	18298	16567	19680	17856
1.yes		264	1342	1420	1700	1721
Value-----		R6HEARAI	R7HEARAI	R8HEARAI	R9HEARAI	R10HEARAI
.d:DK			1			3
.m:Missing				2		
.r:Refuse			1	2	2	2
0.no		16353	18245	16556	15274	19950
1.yes		1812	1882	1909	1941	2079
Value-----		R11HEARAI	R12HEARAI	R13HEARAI	R14HEARAI	R15HEARAI
.d:DK		1	1	3	4	5
.m:Missing		1		1		
.r:Refuse				1	2	2
0.no		18397	16609	18840	15187	13813
1.yes		2155	2137	2067	1953	1903
Value-----		S1HEARAI	S2HEARAI	S3HEARAI	S4HEARAI	S5HEARAI
.d:DK					3	
.m:Missing				2		
.r:Refuse			1			1
.u:not coupled		2373	5976	5659	6870	6537
.v:SP NR		379	578	416	536	311
0.no		9674	12292	11045	12939	11688
1.yes		226	795	869	1036	1041
Value-----		S6HEARAI	S7HEARAI	S8HEARAI	S9HEARAI	S10HEARAI
.d:DK			1			2
.m:Missing				1		
.r:Refuse				1	2	1
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
0.no		10548	11852	10586	9474	12277
1.yes		1084	1115	1140	1164	1228
Value-----		S11HEARAI	S12HEARAI	S13HEARAI	S14HEARAI	S15HEARAI
.d:DK		1		1	2	2
.m:Missing		1				
.r:Refuse					1	1
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		11238	9810	10633	8279	7427
1.yes		1236	1202	1144	1076	1036

### How Constructed:

RwHEARING indicates the respondent's self-rated hearing. RwHEARING is coded as follows: 1.excellent, 2.very good, 3.good, 4.fair, 5.poor. RwHEARING is taken from a single question asking the respondent to rate their hearing while wearing a hearing aid or as usual. Don't know, refused, or other missing responses of RwHEARING are assigned special missing codes .d, .r, and .m, respectively. Other responses to RwHEARING are assigned special missing code .o. RwHEARING is set to plain missing (.) for respondents who did not participate in the current wave.

SwHEARING indicates the self-rated hearing of the respondent's current wave's spouse, and is taken from RwHEARING. In addition to the special missing codes employed by RwHEARING, SwHEARING employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHEARAID indicates whether the respondent ever wears a hearing aid. RwHEARAID is coded as follows: 0.no, 1.yes. If the respondent reports wearing a hearing aid, this answer is carried forward in future waves. Don't know, refused, or other missing responses of RwHEARAID are assigned special missing codes .d, .r, and .m, respectively. RwHEARAID is set to plain missing (.) for respondents who did not participate in the current wave.

SwHEARAID indicates whether the respondent's current wave's spouse ever wears a hearing aid, and is taken from RwHEARAID. In addition to the special missing codes employed by RwHEARAID, SwHEARAID employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents can only report "other" in the AHEAD cohort in Wave 3, so special missing .o is only available this wave.

## HRS Variables Used:

Wave 1:		
	V451	b33:hearing aid :imp
	V453	b34:w/ aid, rate hea:imp
Wave 2 AHEAD:		
	B290	b16. hearing aid
	B291	b16a. rate corrected hearing
Wave 2 HRS:		
	W449	b38.wear hearing aid
	W451	b39.rate hearing
Wave 3 AHEAD:		
	D907	b17.wear hearing aid
	D908	b17a. rate hearing
Wave 3 HRS:		
	E907	b17.wear hearing aid
	E908	b17a. rate hearing
Wave 4:		
	F1235	b17.wear hearing aid
	F1236	b17a. rate hearing
Wave 5:		
	G1368	b17.wear hearing aid
	G1369	b17a. rate hearing
Wave 6:		
	HC102	wear hearing aid
	HC103	rate hearing
Wave 7:		
	JC102	wear hearing aid
	JC103	rate hearing
Wave 8:		
	KC102	wear hearing aid
	KC103	rate hearing
Wave 9:		
	LC102	wear hearing aid
	LC103	rate hearing
Wave 10:		
	MC102	wear hearing aid
	MC103	rate hearing
Wave 11:		
	NC102	wear hearing aid
	NC103	rate hearing
Wave 12:		
	OC102	wear hearing aid
	OC103	rate hearing

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Wave 13:  
PC102 wear hearing aid  
PC103 rate hearing

Wave 14:  
QC102 wear hearing aid  
QC103 rate hearing

Wave 15:  
RC102 wear hearing aid  
RC103 rate hearing

<b>Falls</b>
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Wave	Variable	Label	Type
02	R2FALL1Y	r2fall1y:w2 r fallen down last year	Categ
02	S2FALL1Y	s2fall1y:w2 s fallen down last year	Categ
03	R3FALL	r3fall:w3 r fallen down last 2 years	Categ
04	R4FALL	r4fall:w4 r fallen down last 2 years	Categ
05	R5FALL	r5fall:w5 r fallen down last 2 years	Categ
06	R6FALL	r6fall:w6 r fallen down last 2 years	Categ
07	R7FALL	r7fall:w7 r fallen down last 2 years	Categ
08	R8FALL	r8fall:w8 r fallen down last 2 years	Categ
09	R9FALL	r9fall:w9 r fallen down last 2 years	Categ
10	R10FALL	r10fall:w10 r fallen down last 2 years	Categ
11	R11FALL	r11fall:w11 r fallen down last 2 years	Categ
12	R12FALL	r12fall:w12 r fallen down last 2 years	Categ
13	R13FALL	r13fall:w13 r fallen down last 2 years	Categ
14	R14FALL	r14fall:w14 r fallen down last 2 years	Categ
15	R15FALL	r15fall:w15 r fallen down last 2 years	Categ
03	S3FALL	s3fall:w3 s fallen down last 2 years	Categ
04	S4FALL	s4fall:w4 s fallen down last 2 years	Categ
05	S5FALL	s5fall:w5 s fallen down last 2 years	Categ
06	S6FALL	s6fall:w6 s fallen down last 2 years	Categ
07	S7FALL	s7fall:w7 s fallen down last 2 years	Categ
08	S8FALL	s8fall:w8 s fallen down last 2 years	Categ
09	S9FALL	s9fall:w9 s fallen down last 2 years	Categ
10	S10FALL	s10fall:w10 s fallen down last 2 years	Categ
11	S11FALL	s11fall:w11 s fallen down last 2 years	Categ
12	S12FALL	s12fall:w12 s fallen down last 2 years	Categ
13	S13FALL	s13fall:w13 s fallen down last 2 years	Categ
14	S14FALL	s14fall:w14 s fallen down last 2 years	Categ
15	S15FALL	s15fall:w15 s fallen down last 2 years	Categ
02	R2FALLINJ1Y	r2fallinj1y:w2 r injured from fall last year	Categ
02	S2FALLINJ1Y	s2fallinj1y:w2 s injured from fall last year	Categ
03	R3FALLINJ	r3fallinj:w3 r injured from fall	Categ
04	R4FALLINJ	r4fallinj:w4 r injured from fall	Categ
05	R5FALLINJ	r5fallinj:w5 r injured from fall	Categ
06	R6FALLINJ	r6fallinj:w6 r injured from fall	Categ
07	R7FALLINJ	r7fallinj:w7 r injured from fall	Categ
08	R8FALLINJ	r8fallinj:w8 r injured from fall	Categ
09	R9FALLINJ	r9fallinj:w9 r injured from fall	Categ
10	R10FALLINJ	r10fallinj:w10 r injured from fall	Categ
11	R11FALLINJ	r11fallinj:w11 r injured from fall	Categ
12	R12FALLINJ	r12fallinj:w12 r injured from fall	Categ
13	R13FALLINJ	r13fallinj:w13 r injured from fall	Categ
14	R14FALLINJ	r14fallinj:w14 r injured from fall	Categ
15	R15FALLINJ	r15fallinj:w15 r injured from fall	Categ
03	S3FALLINJ	s3fallinj:w3 s injured from fall	Categ
04	S4FALLINJ	s4fallinj:w4 s injured from fall	Categ
05	S5FALLINJ	s5fallinj:w5 s injured from fall	Categ
06	S6FALLINJ	s6fallinj:w6 s injured from fall	Categ
07	S7FALLINJ	s7fallinj:w7 s injured from fall	Categ
08	S8FALLINJ	s8fallinj:w8 s injured from fall	Categ
09	S9FALLINJ	s9fallinj:w9 s injured from fall	Categ

10	S10FALLINJ	s10fallinj:w10 s injured from fall	Categ
11	S11FALLINJ	s11fallinj:w11 s injured from fall	Categ
12	S12FALLINJ	s12fallinj:w12 s injured from fall	Categ
13	S13FALLINJ	s13fallinj:w13 s injured from fall	Categ
14	S14FALLINJ	s14fallinj:w14 s injured from fall	Categ
15	S15FALLINJ	s15fallinj:w15 s injured from fall	Categ
03	R3FALLNUM	r3fallnum:w3 r number of falls	Cont
04	R4FALLNUM	r4fallnum:w4 r number of falls	Cont
05	R5FALLNUM	r5fallnum:w5 r number of falls	Cont
06	R6FALLNUM	r6fallnum:w6 r number of falls	Cont
07	R7FALLNUM	r7fallnum:w7 r number of falls	Cont
08	R8FALLNUM	r8fallnum:w8 r number of falls	Cont
09	R9FALLNUM	r9fallnum:w9 r number of falls	Cont
10	R10FALLNUM	r10fallnum:w10 r number of falls	Cont
11	R11FALLNUM	r11fallnum:w11 r number of falls	Cont
12	R12FALLNUM	r12fallnum:w12 r number of falls	Cont
13	R13FALLNUM	r13fallnum:w13 r number of falls	Cont
14	R14FALLNUM	r14fallnum:w14 r number of falls	Cont
15	R15FALLNUM	r15fallnum:w15 r number of falls	Cont
03	S3FALLNUM	s3fallnum:w3 s number of falls	Cont
04	S4FALLNUM	s4fallnum:w4 s number of falls	Cont
05	S5FALLNUM	s5fallnum:w5 s number of falls	Cont
06	S6FALLNUM	s6fallnum:w6 s number of falls	Cont
07	S7FALLNUM	s7fallnum:w7 s number of falls	Cont
08	S8FALLNUM	s8fallnum:w8 s number of falls	Cont
09	S9FALLNUM	s9fallnum:w9 s number of falls	Cont
10	S10FALLNUM	s10fallnum:w10 s number of falls	Cont
11	S11FALLNUM	s11fallnum:w11 s number of falls	Cont
12	S12FALLNUM	s12fallnum:w12 s number of falls	Cont
13	S13FALLNUM	s13fallnum:w13 s number of falls	Cont
14	S14FALLNUM	s14fallnum:w14 s number of falls	Cont
15	S15FALLNUM	s15fallnum:w15 s number of falls	Cont
02	R2HIPE	r2hipe:w2 r ever fractured hip	Categ
03	R3HIPE	r3hipe:w3 r ever fractured hip	Categ
04	R4HIPE	r4hipe:w4 r ever fractured hip	Categ
05	R5HIPE	r5hipe:w5 r ever fractured hip	Categ
06	R6HIPE	r6hipe:w6 r ever fractured hip	Categ
07	R7HIPE	r7hipe:w7 r ever fractured hip	Categ
08	R8HIPE	r8hipe:w8 r ever fractured hip	Categ
09	R9HIPE	r9hipe:w9 r ever fractured hip	Categ
10	R10HIPE	r10hipe:w10 r ever fractured hip	Categ
11	R11HIPE	r11hipe:w11 r ever fractured hip	Categ
12	R12HIPE	r12hipe:w12 r ever fractured hip	Categ
13	R13HIPE	r13hipe:w13 r ever fractured hip	Categ
14	R14HIPE	r14hipe:w14 r ever fractured hip	Categ
15	R15HIPE	r15hipe:w15 r ever fractured hip	Categ
02	S2HIPE	s2hipe:w2 s ever fractured hip	Categ
03	S3HIPE	s3hipe:w3 s ever fractured hip	Categ
04	S4HIPE	s4hipe:w4 s ever fractured hip	Categ
05	S5HIPE	s5hipe:w5 s ever fractured hip	Categ
06	S6HIPE	s6hipe:w6 s ever fractured hip	Categ
07	S7HIPE	s7hipe:w7 s ever fractured hip	Categ
08	S8HIPE	s8hipe:w8 s ever fractured hip	Categ
09	S9HIPE	s9hipe:w9 s ever fractured hip	Categ
10	S10HIPE	s10hipe:w10 s ever fractured hip	Categ
11	S11HIPE	s11hipe:w11 s ever fractured hip	Categ
12	S12HIPE	s12hipe:w12 s ever fractured hip	Categ
13	S13HIPE	s13hipe:w13 s ever fractured hip	Categ
14	S14HIPE	s14hipe:w14 s ever fractured hip	Categ

15 S15HIPE

s15hipe:w15 s ever fractured hip

Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R2FALL1Y	8220	0.25	0.43	0.00	1.00
S2FALL1Y	4348	0.22	0.41	0.00	1.00
R3FALL	7599	0.31	0.46	0.00	1.00
R4FALL	11108	0.30	0.46	0.00	1.00
R5FALL	10697	0.29	0.45	0.00	1.00
R6FALL	10847	0.29	0.46	0.00	1.00
R7FALL	11075	0.33	0.47	0.00	1.00
R8FALL	11327	0.34	0.47	0.00	1.00
R9FALL	11315	0.38	0.49	0.00	1.00
R10FALL	10905	0.38	0.49	0.00	1.00
R11FALL	10705	0.37	0.48	0.00	1.00
R12FALL	10344	0.37	0.48	0.00	1.00
R13FALL	9947	0.38	0.48	0.00	1.00
R14FALL	8984	0.37	0.48	0.00	1.00
R15FALL	8953	0.36	0.48	0.00	1.00
S3FALL	4159	0.28	0.45	0.00	1.00
S4FALL	6320	0.26	0.44	0.00	1.00
S5FALL	6037	0.25	0.43	0.00	1.00
S6FALL	6134	0.26	0.44	0.00	1.00
S7FALL	6353	0.29	0.45	0.00	1.00
S8FALL	6447	0.30	0.46	0.00	1.00
S9FALL	6384	0.36	0.48	0.00	1.00
S10FALL	6147	0.35	0.48	0.00	1.00
S11FALL	5979	0.35	0.48	0.00	1.00
S12FALL	5574	0.35	0.48	0.00	1.00
S13FALL	5200	0.35	0.48	0.00	1.00
S14FALL	4626	0.35	0.48	0.00	1.00
S15FALL	4586	0.34	0.47	0.00	1.00
R2FALLINJ1Y	2032	0.30	0.46	0.00	1.00
S2FALLINJ1Y	943	0.28	0.45	0.00	1.00
R3FALLINJ	2347	0.37	0.48	0.00	1.00
R4FALLINJ	3305	0.37	0.48	0.00	1.00
R5FALLINJ	3089	0.35	0.48	0.00	1.00
R6FALLINJ	3195	0.35	0.48	0.00	1.00
R7FALLINJ	3638	0.33	0.47	0.00	1.00
R8FALLINJ	3824	0.33	0.47	0.00	1.00
R9FALLINJ	4313	0.33	0.47	0.00	1.00
R10FALLINJ	4159	0.32	0.47	0.00	1.00
R11FALLINJ	3935	0.32	0.47	0.00	1.00
R12FALLINJ	3777	0.32	0.47	0.00	1.00
R13FALLINJ	3745	0.33	0.47	0.00	1.00
R14FALLINJ	3329	0.32	0.47	0.00	1.00
R15FALLINJ	3220	0.30	0.46	0.00	1.00
S3FALLINJ	1147	0.34	0.47	0.00	1.00
S4FALLINJ	1612	0.32	0.47	0.00	1.00
S5FALLINJ	1488	0.31	0.46	0.00	1.00
S6FALLINJ	1589	0.31	0.46	0.00	1.00
S7FALLINJ	1837	0.30	0.46	0.00	1.00
S8FALLINJ	1939	0.29	0.45	0.00	1.00
S9FALLINJ	2276	0.31	0.46	0.00	1.00



S10FALLINJ	2156	0.29	0.45	0.00	1.00
S11FALLINJ	2077	0.29	0.45	0.00	1.00
S12FALLINJ	1926	0.29	0.45	0.00	1.00
S13FALLINJ	1810	0.30	0.46	0.00	1.00
S14FALLINJ	1613	0.29	0.45	0.00	1.00
S15FALLINJ	1567	0.27	0.44	0.00	1.00
R3FALLNUM	7542	0.84	3.39	0.00	100.00
R4FALLNUM	10993	0.71	1.85	0.00	20.00
R5FALLNUM	10601	0.69	1.77	0.00	20.00
R6FALLNUM	10736	0.76	2.43	0.00	50.00
R7FALLNUM	10973	0.91	2.89	0.00	50.00
R8FALLNUM	11192	0.90	2.48	0.00	50.00
R9FALLNUM	11197	1.11	3.02	0.00	50.00
R10FALLNUM	10782	1.25	3.50	0.00	50.00
R11FALLNUM	10595	1.19	3.32	0.00	50.00
R12FALLNUM	10247	1.17	3.30	0.00	50.00
R13FALLNUM	9843	1.28	3.44	0.00	50.00
R14FALLNUM	8903	1.22	3.36	0.00	50.00
R15FALLNUM	8864	1.15	3.07	0.00	50.00
S3FALLNUM	4141	0.73	3.03	0.00	100.00
S4FALLNUM	6272	0.62	1.79	0.00	20.00
S5FALLNUM	5993	0.56	1.55	0.00	20.00
S6FALLNUM	6084	0.66	2.36	0.00	50.00
S7FALLNUM	6308	0.83	3.01	0.00	50.00
S8FALLNUM	6383	0.79	2.26	0.00	50.00
S9FALLNUM	6316	1.04	3.06	0.00	50.00
S10FALLNUM	6093	1.21	3.70	0.00	50.00
S11FALLNUM	5922	1.14	3.37	0.00	50.00
S12FALLNUM	5536	1.14	3.33	0.00	50.00
S13FALLNUM	5157	1.18	3.20	0.00	50.00
S14FALLNUM	4589	1.17	3.40	0.00	50.00
S15FALLNUM	4543	1.08	3.04	0.00	50.00
R2HIPE	8220	0.05	0.21	0.00	1.00
R3HIPE	7605	0.05	0.22	0.00	1.00
R4HIPE	11124	0.04	0.20	0.00	1.00
R5HIPE	10712	0.04	0.20	0.00	1.00
R6HIPE	10870	0.04	0.20	0.00	1.00
R7HIPE	11092	0.04	0.20	0.00	1.00
R8HIPE	11343	0.04	0.20	0.00	1.00
R9HIPE	11334	0.04	0.20	0.00	1.00
R10HIPE	10927	0.04	0.20	0.00	1.00
R11HIPE	10723	0.04	0.20	0.00	1.00
R12HIPE	10355	0.04	0.20	0.00	1.00
R13HIPE	9964	0.04	0.20	0.00	1.00
R14HIPE	8987	0.04	0.19	0.00	1.00
R15HIPE	8971	0.03	0.18	0.00	1.00
S2HIPE	4350	0.03	0.18	0.00	1.00
S3HIPE	4158	0.03	0.18	0.00	1.00
S4HIPE	6328	0.03	0.16	0.00	1.00
S5HIPE	6042	0.03	0.16	0.00	1.00
S6HIPE	6149	0.02	0.16	0.00	1.00
S7HIPE	6361	0.02	0.16	0.00	1.00
S8HIPE	6452	0.03	0.16	0.00	1.00
S9HIPE	6389	0.03	0.16	0.00	1.00
S10HIPE	6159	0.03	0.16	0.00	1.00
S11HIPE	5991	0.03	0.17	0.00	1.00
S12HIPE	5580	0.03	0.17	0.00	1.00
S13HIPE	5206	0.03	0.16	0.00	1.00
S14HIPE	4629	0.03	0.16	0.00	1.00

S15HIPE                    4596                    0.02                    0.15                    0.00                    1.00

### Categorical Variable Codes

Value-----	R2FALL1Y
.d:DK	1
.q:not asked this wave	11595
.r:Refuse	1
0.no	6188
1.yes	2032

Value-----	S2FALL1Y
.d:DK	1
.q:not asked this wave	8738
.r:Refuse	1
.u:not coupled	5976
.v:SP NR	578
0.no	3405
1.yes	943

Value-----	R3FALL	R4FALL	R5FALL
.a:not asked-age	10373	10243	8822
.d:DK	7	18	16
.m:Missing	12	15	43
0.no	5250	7802	7607
1.yes	2349	3306	3090

Value-----	R6FALL	R7FALL	R8FALL	R9FALL	R10FALL
.a:not asked-age	7196	8996	7052	5860	11081
.d:DK	21	22	26	25	30
.m:Missing	101	36	64	16	16
.r:Refuse				1	2
0.no	7651	7433	7502	6997	6740
1.yes	3196	3642	3825	4318	4165

Value-----	R11FALL	R12FALL	R13FALL	R14FALL	R15FALL
.a:not asked-age	9802	8358	10917	8126	6711
.d:DK	29	24	24	7	29
.m:Missing	17	20	24	27	27
.r:Refuse	1	1		2	3
0.no	6760	6556	6197	5652	5725
1.yes	3945	3788	3750	3332	3228

Value-----	S3FALL	S4FALL	S5FALL
.a:not asked-age	7745	7639	6657
.d:DK		9	5
.m:Missing	12	10	31
.u:not coupled	5659	6870	6537
.v:SP NR	416	536	311
0.no	3012	4708	4549
1.yes	1147	1612	1488

Value-----	S6FALL	S7FALL	S8FALL	S9FALL	S10FALL
.a:not asked-age	5405	6583	5235	4237	7336
.d:DK	13	11	8	8	12
.m:Missing	80	21	38	10	11
.r:Refuse				1	2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	4545	4515	4508	4108	3990
1.yes	1589	1838	1939	2276	2157

Value-----	S11FALL	S12FALL	S13FALL	S14FALL	S15FALL
.a:not asked-age	6470	5413	6552	4710	3853
.d:DK	17	12	10	4	14
.m:Missing	10	13	16	18	13
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	3900	3644	3389	3013	3016
1.yes	2079	1930	1811	1613	1570

Value-----	R2FALLINJ1Y
.d:DK	1
.q:not asked this wave	11595

.r:Refuse		1
.x:no falls		6188
0.no		1422
1.yes		610

Value-----		S2FALLINJ1Y
.d:DK		1
.q:not asked this wave		8738
.r:Refuse		1
.u:not coupled		5976
.v:SP NR		578
.x:no falls		3405
0.no		678
1.yes		265

Value-----		R3FALLINJ	R4FALLINJ	R5FALLINJ
.a:not asked-age		10373	10243	8822
.d:DK		9	19	17
.m:Missing		12	15	43
.x:no falls		5250	7802	7607
0.no		1483	2098	2005
1.yes		864	1207	1084

Value-----		R6FALLINJ	R7FALLINJ	R8FALLINJ	R9FALLINJ	R10FALLINJ
.a:not asked-age		7196	8996	7052	5860	11081
.d:DK		22	26	27	30	36
.m:Missing		101	36	64	16	16
.r:Refuse					1	2
.x:no falls		7651	7433	7502	6997	6740
0.no		2071	2437	2550	2890	2837
1.yes		1124	1201	1274	1423	1322

Value-----		R11FALLINJ	R12FALLINJ	R13FALLINJ	R14FALLINJ	R15FALLINJ
.a:not asked-age		9802	8358	10917	8126	6711
.d:DK		39	35	28	10	37
.m:Missing		17	20	24	27	27
.r:Refuse		1	1	1	2	3
.x:no falls		6760	6556	6197	5652	5725
0.no		2684	2562	2511	2252	2240
1.yes		1251	1215	1234	1077	980

Value-----		S3FALLINJ	S4FALLINJ	S5FALLINJ
.a:not asked-age		7745	7639	6657
.d:DK			9	5
.m:Missing		12	10	31
.u:not coupled		5659	6870	6537
.v:SP NR		416	536	311
.x:no falls		3012	4708	4549
0.no		762	1089	1034
1.yes		385	523	454

Value-----		S6FALLINJ	S7FALLINJ	S8FALLINJ	S9FALLINJ	S10FALLINJ
.a:not asked-age		5405	6583	5235	4237	7336
.d:DK		13	12	8	8	13
.m:Missing		80	21	38	10	11
.r:Refuse					1	2
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.x:no falls		4545	4515	4508	4108	3990
0.no		1091	1279	1376	1579	1539
1.yes		498	558	563	697	617

Value-----		S11FALLINJ	S12FALLINJ	S13FALLINJ	S14FALLINJ	S15FALLINJ
.a:not asked-age		6470	5413	6552	4710	3853
.d:DK		19	16	10	4	17
.m:Missing		10	13	16	18	13
.r:Refuse				1		
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.x:no falls		3900	3644	3389	3013	3016
0.no		1481	1377	1272	1143	1148
1.yes		596	559	538	470	419

Value-----		R2HIPE	R3HIPE	R4HIPE	R5HIPE
.a:not asked-age			10372	10243	8822
.d:DK		2	2	2	1

.m:Missing			12	15	43
.q:not asked this wave		11595			
0.no		7827	7214	10660	10250
1.yes		393	391	464	462
Value-----	R6HIPE	R7HIPE	R8HIPE	R9HIPE	R10HIPE
.a:not asked-age	7196	8996	7052	5860	11081
.d:DK	2	6	9	6	9
.m:Missing	97	35	64	16	16
.r:Refuse			1	1	1
0.no	10411	10615	10860	10870	10492
1.yes	459	477	483	464	435
Value-----	R11HIPE	R12HIPE	R13HIPE	R14HIPE	R15HIPE
.a:not asked-age	9802	8358	10917	8126	6711
.d:DK	11	13	7	5	13
.m:Missing	17	20	24	27	27
.r:Refuse	1	1		1	1
0.no	10268	9906	9550	8637	8659
1.yes	455	449	414	350	312
Value-----		S2HIPE	S3HIPE	S4HIPE	S5HIPE
.a:not asked-age			7745	7639	6657
.d:DK			1	1	
.m:Missing			12	10	31
.q:not asked this wave		8738			
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
0.no		4210	4022	6163	5882
1.yes		140	136	165	160
Value-----	S6HIPE	S7HIPE	S8HIPE	S9HIPE	S10HIPE
.a:not asked-age	5405	6583	5235	4237	7336
.d:DK		3	3	3	1
.m:Missing	78	21	38	10	11
.r:Refuse				1	1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	5996	6203	6290	6220	5994
1.yes	153	158	162	169	165
Value-----	S11HIPE	S12HIPE	S13HIPE	S14HIPE	S15HIPE
.a:not asked-age	6470	5413	6552	4710	3853
.d:DK	5	6	4	1	4
.m:Missing	10	13	16	18	13
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	5822	5422	5070	4508	4493
1.yes	169	158	136	121	103

### How Constructed:

RwFALL1Y indicates whether the respondent has fallen down in the last year, and is only available for the AHEAD cohort in Wave 2. RwFALL indicates whether the respondent has fallen down in the last 2 years, and is available starting in Wave 3. RwFALL1Y and RwFALL are coded as 0.no, and 1.yes. In Wave 2, respondents who were part of the HRS cohort were not asked this question and are assigned a special missing .q for RwFALL1Y in Wave 2. In Wave 3, respondents younger than age 68 are not asked about falling and are assigned special missing .a. Starting in Wave 4, respondents younger than age 65 are not asked about falling and are assigned special missing .a. Don't know, refused, or other missing responses of RwFALL1Y and RwFALL are assigned special missing codes .d, .r, and .m, respectively. RwFALL1Y and RwFALL are set to plain missing (.) for respondents who did not participate in the current wave.

SwFALL1Y and SwFALL indicate whether the respondent's current wave's spouse has fallen in the appropriate time period, and are taken from RwFALL1Y and RwFALL. In addition to the special missing codes employed by RwFALL1Y and RwFALL, SwFALL1Y and SwFALL employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFALLINJ1Y indicates whether the respondent has ever been injured seriously enough from a fall to need medical treatment in the last year, and is only available for the AHEAD cohort in Wave 2. RwFALLINJ

indicates whether the respondent has ever been injured seriously enough from a fall to need medical treatment in the last 2 years, and is available starting in Wave 3. RwfALLINJ1Y and RwfALLINJ are coded as 0.no and 1.yes. RwfALLINJ1Y and RwfALLINJ are assigned special missing .x if the respondent did not experience a fall in the previous year or two years, depending on the wave. In Wave 2, respondents who were part of the HRS cohort were not asked this question and RwfALLINJ1Y is assigned a special missing .q in Wave 2. In Wave 3, respondents younger than age 68 are not asked about falling and RwfALLINJ is assigned special missing .a. Starting in Wave 4, respondents younger than age 65 are not asked about falling and RwfALLINJ is assigned special missing .a. Don't know, refused, or other missing responses of RwfALLINJ1Y and RwfALLINJ are assigned special missing codes .d, .r, and .m, respectively. RwfALLINJ1Y and RwfALLINJ are set to plain missing (.) for respondents who did not participate in the current wave.

SwfALLINJ1Y and SwfALLINJ indicate whether the respondent's current wave's spouse has injured themselves in a fall, and are taken from RwfALLINJ1Y and RwfALLINJ. In addition to the special missing codes employed by RwfALLINJ1Y and RwfALLINJ, SwfALLINJ1Y and SwfALLINJ employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwfALLNUM indicates the number of times the respondent has fallen in the last 2 years, and is available starting in Wave 3. RwfALLNUM is assigned a 0 if the respondent did not experience a fall in the previous two years. In Wave 3, respondents younger than age 68 are not asked about falling and are assigned special missing .a. Starting in Wave 4, respondents younger than age 65 are not asked about falling and are assigned special missing .a. In the AHEAD cohort in Wave 3, respondents can respond with "other" when asked about the number of falls, in which case RwfALLNUM is assigned special missing .o. Don't know, refused, or other missing responses of RwfALLNUM are assigned special missing codes .d, .r, and .m, respectively. RwfALLNUM is set to plain missing (.) for respondents who did not participate in the current wave.

SwfALLNUM indicates the number of times the respondent's current wave's spouse has fallen in the last 2 years, and is taken from RwfALLNUM. In addition to the special missing codes employed by RwfALLNUM, SwfALLNUM employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHIPE indicates whether the respondent has ever had a broken hip. RwHIPE is coded as 0.no and 1.yes. In the AHEAD cohort in Wave 2, respondents of all ages are asked about a broken hip. In Wave 3, respondents younger than age 68 are not asked about a broken hip and are assigned special missing .a. Starting in Wave 4, respondents younger than age 65 are not asked about a broken hip and are assigned special missing .a. Respondents part of the HRS cohort in Wave 2 are not asked this question, and so are assigned special missing .q. Don't know, refused, or other missing responses of RwHIPE are assigned special missing codes .d, .r, and .m, respectively. RwHIPE is set to plain missing (.) for respondents who did not participate in the current wave.

SwHIPE indicates whether the respondent's current wave's spouse has ever had a broken hip, and is taken from RwHIPE. In addition to the special missing codes employed by RwHIPE, SwHIPE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about falls begin in the AHEAD cohort in Wave 2. RwfALL1Y and RwfALLINJ1Y are only available for the AHEAD cohort in Wave 2 when the question about falling uses a time period of one year. In Wave 2, respondents who were part of the HRS cohort were not asked this question and are assigned a special missing .q in Wave 2.

Questions about injuries from falling in the last two years are available starting in Wave 3.

Questions about the number of falls also begin in Wave 3, and so RwfALLNUM is available starting in Wave 3. The number of falls the respondent is allowed to report varies between waves. For the AHEAD cohort in Wave 3, the respondent can report up to 100 falls, though over 20 falls are considered an extreme value by the HRS. The AHEAD cohort in Wave 3 is also the only time the respondent can respond with "other" rather than the number of falls. For the HRS cohort in Wave 3, the respondent can report up to 50 falls,

though over 20 falls are considered an extreme values by the HRS. In Waves 4 and 5, the respondent can report up to 20 falls, while starting in Wave 6, the respondent can report up to 50 falls.

In Wave 3, respondents younger than age 68 are not asked about falling, so RwfALL, RwfALLINJ, and RwfALLNUM are assigned special missing .a. Starting in Wave 4, respondents younger than age 65 are not asked about falling and these variables are assigned special missing .a.

Questions about breaking a hip begin in the AHEAD cohort in Wave 2 and for both cohorts in Wave 3, and so RwhIPE is available starting in Wave 2. In Wave 2, respondents who were part of the HRS cohort were not asked this question and are assigned a special missing .q in Wave 2. For the AHEAD cohort in Wave 2, respondents of all ages are asked about a broken hip. In Wave 3, respondents younger than age 68 are not asked about a broken hip and are assigned special missing .a. Starting in Wave 4, respondents younger than age 65 are not asked about a broken hip and are assigned special missing .a.

### HRS Variables Used:

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RAND HRS:
  R10AGEY_E    r10agey_e:w10 r age (years) at ivw endmon
  R11AGEY_E    r11agey_e:w11 r age (years) at ivw endmon
  R12AGEY_E    r12agey_e:w12 r age (years) at ivw endmon
  R13AGEY_E    r13agey_e:w13 r age (years) at ivw endmon
  R14AGEY_E    r14agey_e:w14 r age (years) at ivw endmon
  R15AGEY_E    r15agey_e:w15 r age (years) at ivw endmon
  R3AGEY_E     r3agey_e:w3  r age (years) at ivw endmon
  R4AGEY_E     r4agey_e:w4  r age (years) at ivw endmon
  R5AGEY_E     r5agey_e:w5  r age (years) at ivw endmon
  R6AGEY_E     r6agey_e:w6  r age (years) at ivw endmon
  R7AGEY_E     r7agey_e:w7  r age (years) at ivw endmon
  R8AGEY_E     r8agey_e:w8  r age (years) at ivw endmon
  R9AGEY_E     r9agey_e:w9  r age (years) at ivw endmon

Wave 2 AHEAD:
  B274         b11. fall down past 12 months
  B275         b11a. serious injury from fall
  B277         b12. fractured hip ever

Wave 2 HRS:
  WN_INHH     hrs w2: # in hhold (r1/r2 only)

Wave 3 AHEAD:
  D878         b12. fall
  D879         b12a.times fall
  D884         b12b. injure
  D887         b13. broken hip

Wave 3 HRS:
  E878         b12. fall
  E879         b12a.times fall
  E884         b12b. injure
  E887         b13. broken hip

Wave 4:
  F1206        b12. fall
  F1207        b12a.times fall
  F1212        b12b. injure
  F1215        b13. broken hip

Wave 5:
  G1339        b12. fall
  G1340        b12a.times fall
  G1345        b12b. injure
  G1348        b13. broken hip

Wave 6:
  HC079        fallen in past two years
  HC080        number times fallen
  HC081        injury due to fall
  HC082        broken hip

Wave 7:
  JC079        fallen in past two years

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JC080	number times fallen
JC081	injury due to fall
JC082	broken hip
Wave 8:	
KC079	fallen in past two years
KC080	number times fallen
KC081	injury due to fall
KC082	broken hip
Wave 9:	
LC079	fallen in past two years
LC080	number times fallen
LC081	injury due to fall
LC082	broken hip
Wave 10:	
MC079	fallen in past two years
MC080	number times fallen
MC081	injury due to fall
MC082	broken hip
Wave 11:	
NC079	fallen in past two years
NC080	number times fallen
NC081	injury due to fall
NC082	broken hip
Wave 12:	
OC079	fallen in past two years
OC080	number times fallen
OC081	injury due to fall
OC082	broken hip
Wave 13:	
PC079	fallen in past two years
PC080	number times fallen
PC081	injury due to fall
PC082	broken hip
PC083	trouble falling asleep
Wave 14:	
QC079	fallen in past two years
QC080	number times fallen
QC081	injury due to fall
QC082	broken hip
QC083	trouble falling asleep
Wave 15:	
RC079	fallen in past two years
RC080	number times fallen
RC081	injury due to fall
RC082	broken hip
RC083	trouble falling asleep

<b>Urinary Incontinence</b>
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Wave	Variable	Label	Type
02	R2URINAI	r2urinai:w2 r any urinary incontinence past year	Categ
03	R3URINAI	r3urinai:w3 r any urinary incontinence past year	Categ
04	R4URINAI	r4urinai:w4 r any urinary incontinence past year	Categ
05	R5URINAI	r5urinai:w5 r any urinary incontinence past year	Categ
06	R6URINAI	r6urinai:w6 r any urinary incontinence past year	Categ
07	R7URINAI	r7urinai:w7 r any urinary incontinence past year	Categ
08	R8URINAI	r8urinai:w8 r any urinary incontinence past year	Categ
09	R9URINAI	r9urinai:w9 r any urinary incontinence past year	Categ
10	R10URINAI	r10urinai:w10 r any urinary incontinence past year	Categ
11	R11URINAI	r11urinai:w11 r any urinary incontinence past year	Categ
12	R12URINAI	r12urinai:w12 r any urinary incontinence past year	Categ
13	R13URINAI	r13urinai:w13 r any urinary incontinence past year	Categ
14	R14URINAI	r14urinai:w14 r any urinary incontinence past year	Categ
15	R15URINAI	r15urinai:w15 r any urinary incontinence past year	Categ
02	S2URINAI	s2urinai:w2 s any urinary incontinence past year	Categ
03	S3URINAI	s3urinai:w3 s any urinary incontinence past year	Categ
04	S4URINAI	s4urinai:w4 s any urinary incontinence past year	Categ
05	S5URINAI	s5urinai:w5 s any urinary incontinence past year	Categ
06	S6URINAI	s6urinai:w6 s any urinary incontinence past year	Categ
07	S7URINAI	s7urinai:w7 s any urinary incontinence past year	Categ
08	S8URINAI	s8urinai:w8 s any urinary incontinence past year	Categ
09	S9URINAI	s9urinai:w9 s any urinary incontinence past year	Categ
10	S10URINAI	s10urinai:w10 s any urinary incontinence past year	Categ
11	S11URINAI	s11urinai:w11 s any urinary incontinence past year	Categ
12	S12URINAI	s12urinai:w12 s any urinary incontinence past year	Categ
13	S13URINAI	s13urinai:w13 s any urinary incontinence past year	Categ
14	S14URINAI	s14urinai:w14 s any urinary incontinence past year	Categ
15	S15URINAI	s15urinai:w15 s any urinary incontinence past year	Categ
02	R2URINAF	r2urinaf:w2 r number days urinary incontinence last month	Cont
03	R3URINAF	r3urinaf:w3 r number days urinary incontinence last month	Cont
04	R4URINAF	r4urinaf:w4 r number days urinary incontinence last month	Cont
05	R5URINAF	r5urinaf:w5 r number days urinary incontinence last month	Cont
06	R6URINAF	r6urinaf:w6 r number days urinary incontinence last month	Cont
07	R7URINAF	r7urinaf:w7 r number days urinary incontinence last month	Cont
08	R8URINAF	r8urinaf:w8 r number days urinary incontinence last month	Cont
09	R9URINAF	r9urinaf:w9 r number days urinary incontinence last month	Cont
10	R10URINAF	r10urinaf:w10 r number days urinary incontinence last month	Cont
11	R11URINAF	r11urinaf:w11 r number days urinary incontinence last month	Cont
12	R12URINAF	r12urinaf:w12 r number days urinary incontinence last month	Cont
13	R13URINAF	r13urinaf:w13 r number days urinary incontinence last month	Cont
14	R14URINAF	r14urinaf:w14 r number days urinary incontinence last month	Cont
15	R15URINAF	r15urinaf:w15 r number days urinary incontinence last month	Cont
02	S2URINAF	s2urinaf:w2 s number days urinary incontinence last month	Cont
03	S3URINAF	s3urinaf:w3 s number days urinary incontinence last month	Cont
04	S4URINAF	s4urinaf:w4 s number days urinary incontinence last month	Cont
05	S5URINAF	s5urinaf:w5 s number days urinary incontinence last month	Cont
06	S6URINAF	s6urinaf:w6 s number days urinary incontinence last month	Cont
07	S7URINAF	s7urinaf:w7 s number days urinary incontinence last month	Cont
08	S8URINAF	s8urinaf:w8 s number days urinary incontinence last month	Cont
09	S9URINAF	s9urinaf:w9 s number days urinary incontinence last month	Cont
10	S10URINAF	s10urinaf:w10 s number days urinary incontinence last month	Cont
11	S11URINAF	s11urinaf:w11 s number days urinary incontinence last month	Cont
12	S12URINAF	s12urinaf:w12 s number days urinary incontinence last month	Cont
13	S13URINAF	s13urinaf:w13 s number days urinary incontinence last month	Cont



14	S14URINAF	s14urinaf:w14	s	number days urinary incontinence last month	Cont
15	S15URINAF	s15urinaf:w15	s	number days urinary incontinence last month	Cont
02	R2URINPAD	r2urinpad:w2	r	uses pads for incontinence	Categ
03	R3URINPAD	r3urinpad:w3	r	uses pads for incontinence	Categ
04	R4URINPAD	r4urinpad:w4	r	uses pads for incontinence	Categ
05	R5URINPAD	r5urinpad:w5	r	uses pads for incontinence	Categ
06	R6URINPAD	r6urinpad:w6	r	uses pads for incontinence	Categ
02	S2URINPAD	s2urinpad:w2	s	uses pads for incontinence	Categ
03	S3URINPAD	s3urinpad:w3	s	uses pads for incontinence	Categ
04	S4URINPAD	s4urinpad:w4	s	uses pads for incontinence	Categ
05	S5URINPAD	s5urinpad:w5	s	uses pads for incontinence	Categ
06	S6URINPAD	s6urinpad:w6	s	uses pads for incontinence	Categ
06	R6URINAMT	r6urinamt:w6	r	amount of urine leaked	Categ
07	R7URINAMT	r7urinamt:w7	r	amount of urine leaked	Categ
08	R8URINAMT	r8urinamt:w8	r	amount of urine leaked	Categ
09	R9URINAMT	r9urinamt:w9	r	amount of urine leaked	Categ
10	R10URINAMT	r10urinamt:w10	r	amount of urine leaked	Categ
11	R11URINAMT	r11urinamt:w11	r	amount of urine leaked	Categ
06	S6URINAMT	s6urinamt:w6	s	amount of urine leaked	Categ
07	S7URINAMT	s7urinamt:w7	s	amount of urine leaked	Categ
08	S8URINAMT	s8urinamt:w8	s	amount of urine leaked	Categ
09	S9URINAMT	s9urinamt:w9	s	amount of urine leaked	Categ
10	S10URINAMT	s10urinamt:w10	s	amount of urine leaked	Categ
11	S11URINAMT	s11urinamt:w11	s	amount of urine leaked	Categ
06	R6URINCGH	r6urincgh:w6	r	leaks urine when coughing	Categ
07	R7URINCGH	r7urincgh:w7	r	leaks urine when coughing	Categ
08	R8URINCGH	r8urincgh:w8	r	leaks urine when coughing	Categ
09	R9URINCGH	r9urincgh:w9	r	leaks urine when coughing	Categ
10	R10URINCGH	r10urincgh:w10	r	leaks urine when coughing	Categ
11	R11URINCGH	r11urincgh:w11	r	leaks urine when coughing	Categ
06	S6URINCGH	s6urincgh:w6	s	leaks urine when coughing	Categ
07	S7URINCGH	s7urincgh:w7	s	leaks urine when coughing	Categ
08	S8URINCGH	s8urincgh:w8	s	leaks urine when coughing	Categ
09	S9URINCGH	s9urincgh:w9	s	leaks urine when coughing	Categ
10	S10URINCGH	s10urincgh:w10	s	leaks urine when coughing	Categ
11	S11URINCGH	s11urincgh:w11	s	leaks urine when coughing	Categ
06	R6URINURG	r6urinurg:w6	r	urge to urinate	Categ
07	R7URINURG	r7urinurg:w7	r	urge to urinate	Categ
08	R8URINURG	r8urinurg:w8	r	urge to urinate	Categ
09	R9URINURG	r9urinurg:w9	r	urge to urinate	Categ
10	R10URINURG	r10urinurg:w10	r	urge to urinate	Categ
11	R11URINURG	r11urinurg:w11	r	urge to urinate	Categ
06	S6URINURG	s6urinurg:w6	s	urge to urinate	Categ
07	S7URINURG	s7urinurg:w7	s	urge to urinate	Categ
08	S8URINURG	s8urinurg:w8	s	urge to urinate	Categ
09	S9URINURG	s9urinurg:w9	s	urge to urinate	Categ
10	S10URINURG	s10urinurg:w10	s	urge to urinate	Categ
11	S11URINURG	s11urinurg:w11	s	urge to urinate	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2URINAI	8209	0.19	0.39	0.00	1.00
R3URINAI	17959	0.16	0.36	0.00	1.00

R4URINAI	21339	0.17	0.37	0.00	1.00
R5URINAI	19522	0.18	0.39	0.00	1.00
R6URINAI	18084	0.20	0.40	0.00	1.00
R7URINAI	20072	0.20	0.40	0.00	1.00
R8URINAI	18402	0.22	0.41	0.00	1.00
R9URINAI	17166	0.25	0.43	0.00	1.00
R10URINAI	21938	0.23	0.42	0.00	1.00
R11URINAI	20494	0.25	0.43	0.00	1.00
R12URINAI	18680	0.26	0.44	0.00	1.00
R13URINAI	20852	0.25	0.43	0.00	1.00
R14URINAI	17104	0.26	0.44	0.00	1.00
R15URINAI	15649	0.27	0.44	0.00	1.00
S2URINAI	4345	0.16	0.37	0.00	1.00
S3URINAI	11900	0.14	0.34	0.00	1.00
S4URINAI	13958	0.14	0.35	0.00	1.00
S5URINAI	12701	0.16	0.37	0.00	1.00
S6URINAI	11604	0.17	0.38	0.00	1.00
S7URINAI	12947	0.17	0.38	0.00	1.00
S8URINAI	11705	0.19	0.39	0.00	1.00
S9URINAI	10619	0.22	0.42	0.00	1.00
S10URINAI	13463	0.21	0.40	0.00	1.00
S11URINAI	12447	0.22	0.41	0.00	1.00
S12URINAI	10982	0.23	0.42	0.00	1.00
S13URINAI	11752	0.23	0.42	0.00	1.00
S14URINAI	9333	0.24	0.42	0.00	1.00
S15URINAI	8434	0.25	0.43	0.00	1.00
R2URINAF	8013	2.55	7.85	0.00	30.00
R3URINAF	17821	2.02	7.05	0.00	31.00
R4URINAF	21120	2.14	7.24	0.00	31.00
R5URINAF	19341	2.52	7.84	0.00	31.00
R6URINAF	17758	2.67	8.03	0.00	31.00
R7URINAF	19723	2.36	7.52	0.00	31.00
R8URINAF	18106	2.77	8.15	0.00	31.00
R9URINAF	16860	3.04	8.43	0.00	31.00
R10URINAF	21630	2.53	7.63	0.00	31.00
R11URINAF	20150	2.72	7.89	0.00	31.00
R12URINAF	18317	2.87	8.05	0.00	31.00
R13URINAF	20495	2.87	8.08	0.00	31.00
R14URINAF	16864	3.04	8.24	0.00	31.00
R15URINAF	15367	3.21	8.47	0.00	31.00
S2URINAF	4254	2.03	7.05	0.00	30.00
S3URINAF	11824	1.60	6.26	0.00	31.00
S4URINAF	13866	1.63	6.27	0.00	31.00
S5URINAF	12625	1.91	6.78	0.00	31.00
S6URINAF	11464	2.03	7.01	0.00	31.00
S7URINAF	12797	1.80	6.51	0.00	31.00
S8URINAF	11587	2.11	7.07	0.00	31.00
S9URINAF	10489	2.34	7.34	0.00	31.00
S10URINAF	13319	1.94	6.60	0.00	31.00
S11URINAF	12298	2.13	6.93	0.00	31.00
S12URINAF	10834	2.31	7.17	0.00	31.00
S13URINAF	11589	2.41	7.36	0.00	31.00
S14URINAF	9245	2.51	7.39	0.00	31.00
S15URINAF	8318	2.60	7.56	0.00	31.00
R2URINPAD	1565	0.51	0.50	0.00	1.00
R3URINPAD	2805	0.53	0.50	0.00	1.00
R4URINPAD	3514	0.53	0.50	0.00	1.00
R5URINPAD	3568	0.56	0.50	0.00	1.00
R6URINPAD	3599	0.60	0.49	0.00	1.00

S2URINPAD	703	0.46	0.50	0.00	1.00
S3URINPAD	1631	0.47	0.50	0.00	1.00
S4URINPAD	2008	0.49	0.50	0.00	1.00
S5URINPAD	2016	0.50	0.50	0.00	1.00
S6URINPAD	1970	0.53	0.50	0.00	1.00
R6URINAMT	2876	1.84	0.73	1.00	3.00
R7URINAMT	3055	1.84	0.74	1.00	3.00
R8URINAMT	3123	1.87	0.73	1.00	3.00
R9URINAMT	3329	1.85	0.72	1.00	3.00
R10URINAMT	3783	1.86	0.70	1.00	3.00
R11URINAMT	3796	1.90	0.71	1.00	3.00
S6URINAMT	1516	1.75	0.71	1.00	3.00
S7URINAMT	1639	1.72	0.71	1.00	3.00
S8URINAMT	1687	1.76	0.69	1.00	3.00
S9URINAMT	1759	1.74	0.68	1.00	3.00
S10URINAMT	1982	1.73	0.68	1.00	3.00
S11URINAMT	1971	1.78	0.69	1.00	3.00
R6URINCGH	2863	2.07	0.82	1.00	3.00
R7URINCGH	3044	2.10	0.83	1.00	3.00
R8URINCGH	3107	2.12	0.84	1.00	3.00
R9URINCGH	3297	2.16	0.82	1.00	3.00
R10URINCGH	3773	2.19	0.80	1.00	3.00
R11URINCGH	3800	2.19	0.80	1.00	3.00
S6URINCGH	1508	2.10	0.82	1.00	3.00
S7URINCGH	1643	2.12	0.83	1.00	3.00
S8URINCGH	1682	2.16	0.83	1.00	3.00
S9URINCGH	1753	2.19	0.81	1.00	3.00
S10URINCGH	1976	2.22	0.79	1.00	3.00
S11URINCGH	1977	2.24	0.79	1.00	3.00
R6URINURG	2874	2.12	0.79	1.00	3.00
R7URINURG	3065	2.09	0.80	1.00	3.00
R8URINURG	3122	2.06	0.81	1.00	3.00
R9URINURG	3306	2.07	0.80	1.00	3.00
R10URINURG	3790	2.22	0.76	1.00	3.00
R11URINURG	3819	2.19	0.77	1.00	3.00
S6URINURG	1508	2.22	0.79	1.00	3.00
S7URINURG	1650	2.19	0.80	1.00	3.00
S8URINURG	1683	2.18	0.80	1.00	3.00
S9URINURG	1755	2.17	0.80	1.00	3.00
S10URINURG	1978	2.33	0.73	1.00	3.00
S11URINURG	1980	2.29	0.75	1.00	3.00

## Categorical Variable Codes

Value-----		R2URINAI	R3URINAI	R4URINAI	R5URINAI	
.d:DK		11	26	44	49	
.m:Missing			2			
.q:not asked this wave		11595				
.r:Refuse		2	4	1	7	
0.no		6642	15148	17818	15951	
1.yes		1567	2811	3521	3571	
Value-----		R6URINAI	R7URINAI	R8URINAI	R9URINAI	R10URINAI
.d:DK		75	52	61	46	89
.m:Missing				2		
.r:Refuse		6	5	4	5	7
0.no		14474	16034	14355	12844	16843

1.yes	3610	4038	4047	4322	5095
Value-----	R11URINAI	R12URINAI	R13URINAI	R14URINAI	R15URINAI
.d:DK	52	52	49	34	61
.m:Missing	1		1		
.r:Refuse	7	15	10	8	13
0.no	15455	13836	15597	12629	11438
1.yes	5039	4844	5255	4475	4211
Value-----		S2URINAI	S3URINAI	S4URINAI	S5URINAI
.d:DK		4	14	19	24
.m:Missing			2		
.q:not asked this wave		8738			
.r:Refuse		1		1	5
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
0.no		3641	10266	11947	10684
1.yes		704	1634	2011	2017
Value-----	S6URINAI	S7URINAI	S8URINAI	S9URINAI	S10URINAI
.d:DK	25	19	21	16	42
.m:Missing			1		
.r:Refuse	3	2	1	5	3
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	9629	10695	9444	8250	10689
1.yes	1975	2252	2261	2369	2774
Value-----	S11URINAI	S12URINAI	S13URINAI	S14URINAI	S15URINAI
.d:DK	25	21	22	21	27
.m:Missing	1				
.r:Refuse	3	9	4	4	5
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	9726	8410	9018	7130	6350
1.yes	2721	2572	2734	2203	2084
Value-----		R2URINPAD	R3URINPAD	R4URINPAD	R5URINPAD
.d:DK		13	31	5	52
.m:Missing			2	45	
.q:not asked this wave		11595			
.r:Refuse		2	5	2	7
.x:does not have condition		6642	15148	17818	15951
0.no		771	1309	1649	1553
1.yes		794	1496	1865	2015
Value-----	R6URINPAD				
.d:DK	84				
.r:Refuse	8				
.x:does not have condition	14474				
0.no	1429				
1.yes	2170				
Value-----		S2URINPAD	S3URINPAD	S4URINPAD	S5URINPAD
.d:DK		5	16	2	25
.m:Missing			2	20	
.q:not asked this wave		8738			
.r:Refuse		1	1	1	5
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:does not have condition		3641	10266	11947	10684
0.no		380	858	1026	1001
1.yes		323	773	982	1015
Value-----	S6URINPAD				
.d:DK	29				
.r:Refuse	4				
.u:not coupled	6313				
.v:SP NR	220				
.x:does not have condition	9629				
0.no	935				
1.yes	1035				
Value-----	R6URINAMT	R7URINAMT	R8URINAMT	R9URINAMT	R10URINAMT
.d:DK	139	132	134	103	176
.m:Missing	3	2	2	2	2

.r:Refuse	11	12	9	11	13
.x:does not have condition	15136	16928	15201	13772	18060
1.a few drops	1022	1115	1063	1138	1219
2.a small amount	1286	1317	1415	1547	1857
3.a large amount	568	623	645	644	707

Value-----	R11URINAMT
.d:DK	139
.m:Missing	2
.r:Refuse	12
.x:does not have condition	16605
1.a few drops	1177
2.a small amount	1830
3.a large amount	789

Value-----	S6URINAMT	S7URINAMT	S8URINAMT	S9URINAMT	S10URINAMT
.d:DK	41	52	40	37	73
.m:Missing	2		1	1	
.r:Refuse	5	5	3	6	5
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:does not have condition	10068	11272	9997	8837	11448
1.a few drops	616	699	660	692	787
2.a small amount	666	696	780	829	934
3.a large amount	234	244	247	238	261

Value-----	S11URINAMT
.d:DK	54
.m:Missing	1
.r:Refuse	5
.u:not coupled	7483
.v:SP NR	595
.x:does not have condition	10445
1.a few drops	734
2.a small amount	940
3.a large amount	297

Value-----	R6URINCGR	R7URINCGR	R8URINCGR	R9URINCGR	R10URINCGR
.d:DK	153	144	151	136	188
.m:Missing	3	2	2	2	2
.r:Refuse	10	11	8	10	11
.x:does not have condition	15136	16928	15201	13772	18060
1.most of the time	880	908	928	891	909
2.sometimes	906	922	878	993	1251
3.rarely or never	1077	1214	1301	1413	1613

Value-----	R11URINCGR
.d:DK	136
.m:Missing	2
.r:Refuse	11
.x:does not have condition	16605
1.most of the time	916
2.sometimes	1265
3.rarely or never	1619

Value-----	S6URINCGR	S7URINCGR	S8URINCGR	S9URINCGR	S10URINCGR
.d:DK	48	47	45	43	80
.m:Missing	2		1	1	
.r:Refuse	6	6	3	6	4
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:does not have condition	10068	11272	9997	8837	11448
1.most of the time	445	476	466	435	443
2.sometimes	473	502	480	545	655
3.rarely or never	590	665	736	773	878

Value-----	S11URINCGR
.d:DK	49
.m:Missing	1
.r:Refuse	4
.u:not coupled	7483
.v:SP NR	595
.x:does not have condition	10445
1.most of the time	437
2.sometimes	635
3.rarely or never	905

Value-----	R6URINURG	R7URINURG	R8URINURG	R9URINURG	R10URINURG
.d:DK	140	123	136	127	168
.m:Missing	3	2	2	2	2
.r:Refuse	12	11	8	10	14
.x:does not have condition	15136	16928	15201	13772	18060
1.most of the time	749	843	934	958	784
2.sometimes	1025	1088	1070	1151	1393
3.rarely or never	1100	1134	1118	1197	1613

Value-----	R11URINURG
.d:DK	116
.m:Missing	2
.r:Refuse	12
.x:does not have condition	16605
1.most of the time	822
2.sometimes	1442
3.rarely or never	1555

Value-----	S6URINURG	S7URINURG	S8URINURG	S9URINURG	S10URINURG
.d:DK	46	40	44	41	77
.m:Missing	2		1	1	
.r:Refuse	8	6	3	6	5
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:does not have condition	10068	11272	9997	8837	11448
1.most of the time	341	393	410	430	307
2.sometimes	501	543	561	593	719
3.rarely or never	666	714	712	732	952

Value-----	S11URINURG
.d:DK	47
.m:Missing	1
.r:Refuse	3
.u:not coupled	7483
.v:SP NR	595
.x:does not have condition	10445
1.most of the time	347
2.sometimes	709
3.rarely or never	924

## How Constructed:

RwURINAI indicates whether the respondent has experienced any urinary incontinence in the past 12 months. RwURINAI is available starting in the AHEAD cohort in Wave 2. RwURINAI is coded as 0.no, and 1.yes. In Wave 2, respondents who were part of the HRS cohort were not asked this question and are assigned a special missing .q in Wave 2. Don't know, refused, or other missing responses of RwURINAI are assigned special missing codes .d, .r, and .m, respectively. RwURINAI is set to plain missing (.) for respondents who did not participate in the current wave.

SwURINAI indicates whether the respondent's current wave's spouse has experienced any incontinence, and is taken from RwURINAI. In addition to the special missing codes employed by RwURINAI, SwURINAI employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwURINAF indicates the number of days the respondent experienced urinary incontinence in the last month. RwURINAF is available starting in the AHEAD cohort in Wave 2. RwURINAF takes values from 0 to 31, with 31 indicating the presence of urinary incontinence every day. If the respondent does not experience any urinary incontinence, RwURINAF is set to 0. Other responses to RwURINAF, including Catheter, Diaper, Pessary, or depends, are assigned special missing code .o. In Wave 2, respondents who were part of the HRS cohort were not asked this question and are assigned a special missing .q in Wave 2. Don't know, refused, or other missing responses of RwURINAF are assigned special missing codes .d, .r, and .m, respectively. RwURINAF is set to plain missing (.) for respondents who did not participate in the current wave.

SwURINAF indicates the number of days the respondent's current wave's spouse experienced incontinence, and is taken from RwURINAF. In addition to the special missing codes employed by RwURINAF, SwURINAF employs two additional special missing codes. A special missing value .u is used when the respondent does

not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwURINPAD indicates whether the respondent ever uses any absorbent products such as pads, special garments, sanitary napkins, or toilet paper for urinary incontinence. RwURINPAD is available in the AHEAD cohort in Wave 2 and Waves 3 through 6. RwURINPAD is coded as 0.no, and 1.yes. If the respondent does not experience any urinary incontinence, RwURINPAD is set to .x. In Wave 2, respondents who were part of the HRS cohort were not asked this question and are assigned a special missing .q in Wave 2. Don't know, refused, or other missing responses of RwURINPAD are assigned special missing codes .d, .r, and .m, respectively. RwURINPAD is set to plain missing (.) for respondents who did not participate in the current wave.

SwURINPAD indicates whether the respondent's current wave's spouse ever uses absorbent products for incontinence, and is taken from RwURINPAD. In addition to the special missing codes employed by RwURINPAD, SwURINPAD employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwURINAMT indicates how much urine the respondent usually leaks. RwURINAMT is coded as follows: 1.a few drops, 2.a small amount, 3.a large amount. RwURINAMT is available in Waves 6 through 11. If the respondent does not experience any urinary incontinence, RwURINAMT is set to .x. Don't know, refused, or other missing responses of RwURINAMT are assigned special missing codes .d, .r, and .m, respectively. RwURINAMT is set to plain missing (.) for respondents who did not participate in the current wave.

SwURINAMT indicates how much urine the respondent's current wave's spouse usually leaks, and is taken from RwURINAMT. In addition to the special missing codes employed by RwURINAMT, SwURINAMT employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwURINCGH indicates how frequently the respondent leaks urine during activities like coughing, sneezing, lifting or exercise. RwURINURG indicates how frequently the respondent leaks urine with an urge to urinate and could not get to the bathroom fast enough. RwURINCGH and RwURINURG are coded as follows: 1.most of the time, 2.some of the time, 3.rarely or never. RwURINCGH and RwURINURG are available in Waves 6 through 11. If the respondent does not experience any urinary incontinence, these variables are set to .x. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. RwURINCGH and RwURINURG are set to plain missing (.) for respondents who did not participate in the current wave.

SwURINCGH and SwURINURG indicate how frequently the respondent's current wave's spouse leaks urine when coughing or with an urge to go, and is taken from RwURINCGH and RwURINURG. In addition to the special missing codes employed by RwURINCGH and RwURINURG, SwURINCGH and SwURINURG employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about urinary incontinence, the frequency of urinary incontinence, and using absorbent products begin in the AHEAD cohort in Wave 2, and so RwURINAI, RwURINAF, and RwURINPAD are available starting in Wave 2. These questions are not asked to those in the HRS cohort in Wave 2, so special missing code .q is only applicable in Wave 2 for these variables and these respondents.

Starting in Wave 7, questions about using absorbent products are no longer asked and so RwURINPAD is no longer available.

Questions about the amount of urine leakage, leaking urine when coughing, or leaking urine with an urge to urinate are asked in Waves 6 through 11 only, and so RwURINAMT, RwURINCGH, and RwURINURG are available starting in Wave 6, and no longer available starting in Wave 12.

## HRS Variables Used:

Wave 2 AHEAD:  
B282 b14. incontinence: past 12 months  
B283 b14a. incontinence: days last month  
B284 b14b. incontinence: use pads

Wave 2 HRS:  
WN\_INHH hrs w2: # in hhold (r1/r2 only)

Wave 3 AHEAD:  
D892 b15. incontinence  
D893 b15a.incontinence days  
D896 b15d. incontinence pads

Wave 3 HRS:  
E892 b15. incontinence  
E893 b15a.incontinence days  
E896 b15d. incontinence pads

Wave 4:  
F1220 b15. incontinence  
F1221 b15a.incontinence days  
F1224 b15d. incontinence pads

Wave 5:  
G1353 b15. incontinence  
G1354 b15a.incontinence days  
G1357 b15d. incontinence pads

Wave 6:  
HC087 incontinence  
HC088 incontinence # days  
HC091 leak urine- amount  
HC092 leak urine - coughing  
HC093 leak urine - with urge to urinate  
HC094 incontinence pads

Wave 7:  
JC087 incontinence  
JC088 incontinence # days  
JC091 leak urine- amount  
JC092 leak urine - coughing  
JC093 leak urine - with urge to urinate

Wave 8:  
KC087 incontinence  
KC088 incontinence # days  
KC091 leak urine- amount  
KC092 leak urine - coughing  
KC093 leak urine - with urge to urinate

Wave 9:  
LC087 incontinence  
LC088 incontinence # days  
LC091 leak urine- amount  
LC092 leak urine - coughing  
LC093 leak urine - with urge to urinate

Wave 10:  
MC087 incontinence  
MC088 incontinence # days  
MC091 leak urine- amount  
MC092 leak urine - coughing  
MC093 leak urine - with urge to urinate

Wave 11:  
NC087 incontinence  
NC088 incontinence # days  
NC091 leak urine- amount  
NC092 leak urine - coughing  
NC093 leak urine - with urge to urinate

Wave 12:  
OC087 incontinence  
OC088 incontinence # days

Wave 13:



PC087	incontinence
PC088	incontinence # days
Wave 14:	
QC087	incontinence
QC088	incontinence # days
Wave 15:	
RC087	incontinence
RC088	incontinence # days

<b>Loss of Teeth</b>
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Wave	Variable	Label	Type
08	R8NOTEETH	r8noteeth:w8 r whether lost all their teeth	Categ
09	R9NOTEETH	r9noteeth:w9 r whether lost all their teeth	Categ
10	R10NOTEETH	r10noteeth:w10 r whether lost all their teeth	Categ
11	R11NOTEETH	r11noteeth:w11 r whether lost all their teeth	Categ
12	R12NOTEETH	r12noteeth:w12 r whether lost all their teeth	Categ
13	R13NOTEETH	r13noteeth:w13 r whether lost all their teeth	Categ
14	R14NOTEETH	r14noteeth:w14 r whether lost all their teeth	Categ
15	R15NOTEETH	r15noteeth:w15 r whether lost all their teeth	Categ
08	S8NOTEETH	s8noteeth:w8 s whether lost all their teeth	Categ
09	S9NOTEETH	s9noteeth:w9 s whether lost all their teeth	Categ
10	S10NOTEETH	s10noteeth:w10 s whether lost all their teeth	Categ
11	S11NOTEETH	s11noteeth:w11 s whether lost all their teeth	Categ
12	S12NOTEETH	s12noteeth:w12 s whether lost all their teeth	Categ
13	S13NOTEETH	s13noteeth:w13 s whether lost all their teeth	Categ
14	S14NOTEETH	s14noteeth:w14 s whether lost all their teeth	Categ
15	S15NOTEETH	s15noteeth:w15 s whether lost all their teeth	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8NOTEETH	18460	0.19	0.39	0.00	1.00
R9NOTEETH	3126	0.96	0.19	0.00	1.00
R10NOTEETH	8918	0.35	0.48	0.00	1.00
R11NOTEETH	20533	0.18	0.38	0.00	1.00
R12NOTEETH	3277	0.95	0.22	0.00	1.00
R13NOTEETH	7064	0.41	0.49	0.00	1.00
R14NOTEETH	17121	0.17	0.38	0.00	1.00
R15NOTEETH	2593	0.93	0.25	0.00	1.00
S8NOTEETH	11725	0.15	0.36	0.00	1.00
S9NOTEETH	1596	0.93	0.26	0.00	1.00
S10NOTEETH	5282	0.29	0.45	0.00	1.00
S11NOTEETH	12466	0.14	0.35	0.00	1.00
S12NOTEETH	1593	0.91	0.29	0.00	1.00
S13NOTEETH	3638	0.36	0.48	0.00	1.00
S14NOTEETH	9347	0.14	0.35	0.00	1.00
S15NOTEETH	1202	0.87	0.33	0.00	1.00

### Categorical Variable Codes

Value-----		R8NOTEETH	R9NOTEETH	R10NOTEETH	
.d:DK		5		2	
.m:Missing		2			
.r:Refuse		2		1	
.s:skipped			14091	13113	
0.no		14896	121	5825	
1.yes		3564	3005	3093	
Value-----	R11NOTEETH	R12NOTEETH	R13NOTEETH	R14NOTEETH	R15NOTEETH
.d:DK		17	3	21	
.m:Missing		1			
.r:Refuse		3	1	4	1
.s:skipped			15470	13844	13129
0.no		16869	161	4142	14209
1.yes		3664	3116	2922	2912
Value-----		S8NOTEETH	S9NOTEETH	S10NOTEETH	

.d:DK				1		1
.m:Missing				1		
.r:Refuse				1		
.s:skipped					9044	8225
.u:not coupled			6424		6212	7804
.v:SP NR				317		722
0.no			9917		118	3768
1.yes			1808		1478	1514
Value-----		S11NOTEETH	S12NOTEETH	S13NOTEETH	S14NOTEETH	S15NOTEETH
.d:DK		9		3	11	
.m:Missing		1				
.s:skipped			9419	8137		7264
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		10684	150	2330	8028	154
1.yes		1782	1443	1308	1319	1048

### How Constructed:

RwNOTEETH indicates whether the respondent has lost all of their teeth. RwNOTEETH is available starting in Wave 8. RwNOTEETH is coded as 0.no, and 1.yes. Yes responses are carried forward to future waves. While new respondents are always asked this question, re-interview respondents are only asked this question every third wave, so re-interview respondents were not asked this question in Waves 9 and 10 or 12 and 13 or 15 but were asked this question in Wave 11 and in Wave 14. Respondents who were skipped because they were re-interview respondents during a non-asking wave are assigned special missing .s. Don't know, refused, or other missing responses of RwNOTEETH are assigned special missing codes .d, .r, and .m, respectively. RwNOTEETH is set to plain missing (.) for respondents who did not participate in the current wave.

SwNOTEETH indicates whether the respondent's current wave's spouse has lost all of their teeth, and is taken from RwNOTEETH. In addition to the special missing codes employed by RwNOTEETH, SwNOTEETH employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

The question about not having teeth begins in Wave 8 and so RwNOTEETH is available starting in Wave 8. New respondents are always asked this question but re-interview respondents are only asked this question every third wave, so re-interview respondents were not asked this question in Waves 9 and 10 or 12 and 13 or 15 but were asked this question in Wave 11 and in Wave 14.

### HRS Variables Used:

Wave 8:	
KC237	lost permanent teeth
Wave 9:	
LC237	lost permanent teeth
Wave 10:	
MC237	lost permanent teeth
Wave 11:	
NC237	lost permanent teeth
Wave 12:	
OC237	lost permanent teeth
Wave 13:	
PC237	lost permanent teeth
Wave 14:	
QC237	lost permanent teeth
Wave 15:	
RC237	lost permanent teeth

<b>Sleep</b>
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Wave	Variable	Label	Type
06	R6FALLSLP	r6fallslep:w6 r trouble falling asleep	Categ
07	R7FALLSLP	r7fallslep:w7 r trouble falling asleep	Categ
08	R8FALLSLP	r8fallslep:w8 r trouble falling asleep	Categ
09	R9FALLSLP	r9fallslep:w9 r trouble falling asleep	Categ
10	R10FALLSLP	r10fallslep:w10 r trouble falling asleep	Categ
11	R11FALLSLP	r11fallslep:w11 r trouble falling asleep	Categ
12	R12FALLSLP	r12fallslep:w12 r trouble falling asleep	Categ
13	R13FALLSLP	r13fallslep:w13 r trouble falling asleep	Categ
14	R14FALLSLP	r14fallslep:w14 r trouble falling asleep	Categ
15	R15FALLSLP	r15fallslep:w15 r trouble falling asleep	Categ
06	S6FALLSLP	s6fallslep:w6 s trouble falling asleep	Categ
07	S7FALLSLP	s7fallslep:w7 s trouble falling asleep	Categ
08	S8FALLSLP	s8fallslep:w8 s trouble falling asleep	Categ
09	S9FALLSLP	s9fallslep:w9 s trouble falling asleep	Categ
10	S10FALLSLP	s10fallslep:w10 s trouble falling asleep	Categ
11	S11FALLSLP	s11fallslep:w11 s trouble falling asleep	Categ
12	S12FALLSLP	s12fallslep:w12 s trouble falling asleep	Categ
13	S13FALLSLP	s13fallslep:w13 s trouble falling asleep	Categ
14	S14FALLSLP	s14fallslep:w14 s trouble falling asleep	Categ
15	S15FALLSLP	s15fallslep:w15 s trouble falling asleep	Categ
06	R6WAKENT	r6wakent:w6 r wakes up during night	Categ
07	R7WAKENT	r7wakent:w7 r wakes up during night	Categ
08	R8WAKENT	r8wakent:w8 r wakes up during night	Categ
09	R9WAKENT	r9wakent:w9 r wakes up during night	Categ
10	R10WAKENT	r10wakent:w10 r wakes up during night	Categ
11	R11WAKENT	r11wakent:w11 r wakes up during night	Categ
12	R12WAKENT	r12wakent:w12 r wakes up during night	Categ
13	R13WAKENT	r13wakent:w13 r wakes up during night	Categ
14	R14WAKENT	r14wakent:w14 r wakes up during night	Categ
15	R15WAKENT	r15wakent:w15 r wakes up during night	Categ
06	S6WAKENT	s6wakent:w6 s wakes up during night	Categ
07	S7WAKENT	s7wakent:w7 s wakes up during night	Categ
08	S8WAKENT	s8wakent:w8 s wakes up during night	Categ
09	S9WAKENT	s9wakent:w9 s wakes up during night	Categ
10	S10WAKENT	s10wakent:w10 s wakes up during night	Categ
11	S11WAKENT	s11wakent:w11 s wakes up during night	Categ
12	S12WAKENT	s12wakent:w12 s wakes up during night	Categ
13	S13WAKENT	s13wakent:w13 s wakes up during night	Categ
14	S14WAKENT	s14wakent:w14 s wakes up during night	Categ
15	S15WAKENT	s15wakent:w15 s wakes up during night	Categ
06	R6WAKEUP	r6wakeup:w6 r wakes up too early	Categ
07	R7WAKEUP	r7wakeup:w7 r wakes up too early	Categ
08	R8WAKEUP	r8wakeup:w8 r wakes up too early	Categ
09	R9WAKEUP	r9wakeup:w9 r wakes up too early	Categ
10	R10WAKEUP	r10wakeup:w10 r wakes up too early	Categ
11	R11WAKEUP	r11wakeup:w11 r wakes up too early	Categ
12	R12WAKEUP	r12wakeup:w12 r wakes up too early	Categ
13	R13WAKEUP	r13wakeup:w13 r wakes up too early	Categ
14	R14WAKEUP	r14wakeup:w14 r wakes up too early	Categ
15	R15WAKEUP	r15wakeup:w15 r wakes up too early	Categ
06	S6WAKEUP	s6wakeup:w6 s wakes up too early	Categ
07	S7WAKEUP	s7wakeup:w7 s wakes up too early	Categ

08	S8WAKEUP	s8wakeup:w8 s wakes up too early	Categ
09	S9WAKEUP	s9wakeup:w9 s wakes up too early	Categ
10	S10WAKEUP	s10wakeup:w10 s wakes up too early	Categ
11	S11WAKEUP	s11wakeup:w11 s wakes up too early	Categ
12	S12WAKEUP	s12wakeup:w12 s wakes up too early	Categ
13	S13WAKEUP	s13wakeup:w13 s wakes up too early	Categ
14	S14WAKEUP	s14wakeup:w14 s wakes up too early	Categ
15	S15WAKEUP	s15wakeup:w15 s wakes up too early	Categ
06	R6RESTED	r6rested:w6 r feels rested when wakes up	Categ
07	R7RESTED	r7rested:w7 r feels rested when wakes up	Categ
08	R8RESTED	r8rested:w8 r feels rested when wakes up	Categ
09	R9RESTED	r9rested:w9 r feels rested when wakes up	Categ
10	R10RESTED	r10rested:w10 r feels rested when wakes up	Categ
11	R11RESTED	r11rested:w11 r feels rested when wakes up	Categ
12	R12RESTED	r12rested:w12 r feels rested when wakes up	Categ
13	R13RESTED	r13rested:w13 r feels rested when wakes up	Categ
14	R14RESTED	r14rested:w14 r feels rested when wakes up	Categ
15	R15RESTED	r15rested:w15 r feels rested when wakes up	Categ
06	S6RESTED	s6rested:w6 s feels rested when wakes up	Categ
07	S7RESTED	s7rested:w7 s feels rested when wakes up	Categ
08	S8RESTED	s8rested:w8 s feels rested when wakes up	Categ
09	S9RESTED	s9rested:w9 s feels rested when wakes up	Categ
10	S10RESTED	s10rested:w10 s feels rested when wakes up	Categ
11	S11RESTED	s11rested:w11 s feels rested when wakes up	Categ
12	S12RESTED	s12rested:w12 s feels rested when wakes up	Categ
13	S13RESTED	s13rested:w13 s feels rested when wakes up	Categ
14	S14RESTED	s14rested:w14 s feels rested when wakes up	Categ
15	S15RESTED	s15rested:w15 s feels rested when wakes up	Categ
08	R8RXSLP	r8rxslp:w8 r takes meds to sleep	Categ
09	R9RXSLP	r9rxslp:w9 r takes meds to sleep	Categ
10	R10RXSLP	r10rxslp:w10 r takes meds to sleep	Categ
11	R11RXSLP	r11rxslp:w11 r takes meds to sleep	Categ
12	R12RXSLP	r12rxslp:w12 r takes meds to sleep	Categ
13	R13RXSLP	r13rxslp:w13 r takes meds to sleep	Categ
14	R14RXSLP	r14rxslp:w14 r takes meds to sleep	Categ
15	R15RXSLP	r15rxslp:w15 r takes meds to sleep	Categ
08	S8RXSLP	s8rxslp:w8 s takes meds to sleep	Categ
09	S9RXSLP	s9rxslp:w9 s takes meds to sleep	Categ
10	S10RXSLP	s10rxslp:w10 s takes meds to sleep	Categ
11	S11RXSLP	s11rxslp:w11 s takes meds to sleep	Categ
12	S12RXSLP	s12rxslp:w12 s takes meds to sleep	Categ
13	S13RXSLP	s13rxslp:w13 s takes meds to sleep	Categ
14	S14RXSLP	s14rxslp:w14 s takes meds to sleep	Categ
15	S15RXSLP	s15rxslp:w15 s takes meds to sleep	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R6FALLSLP	18127	2.47	0.70	1.00	3.00
R7FALLSLP	20086	2.45	0.72	1.00	3.00
R8FALLSLP	18434	2.42	0.72	1.00	3.00
R9FALLSLP	143	2.38	0.77	1.00	3.00
R10FALLSLP	21986	2.37	0.73	1.00	3.00
R11FALLSLP	516	2.38	0.73	1.00	3.00
R12FALLSLP	18672	2.35	0.74	1.00	3.00
R13FALLSLP	20831	2.33	0.75	1.00	3.00
R14FALLSLP	17087	2.33	0.73	1.00	3.00
R15FALLSLP	15643	2.31	0.73	1.00	3.00

S6FALLSLP	11624	2.52	0.67	1.00	3.00
S7FALLSLP	12951	2.49	0.70	1.00	3.00
S8FALLSLP	11716	2.47	0.70	1.00	3.00
S9FALLSLP	139	2.40	0.76	1.00	3.00
S10FALLSLP	13490	2.42	0.70	1.00	3.00
S11FALLSLP	448	2.39	0.72	1.00	3.00
S12FALLSLP	10978	2.40	0.71	1.00	3.00
S13FALLSLP	11740	2.39	0.72	1.00	3.00
S14FALLSLP	9336	2.39	0.71	1.00	3.00
S15FALLSLP	8428	2.37	0.71	1.00	3.00
R6WAKENT	18078	2.15	0.78	1.00	3.00
R7WAKENT	20041	2.14	0.80	1.00	3.00
R8WAKENT	18391	2.14	0.80	1.00	3.00
R9WAKENT	143	2.28	0.77	1.00	3.00
R10WAKENT	21913	2.15	0.78	1.00	3.00
R11WAKENT	513	2.22	0.78	1.00	3.00
R12WAKENT	18617	2.14	0.78	1.00	3.00
R13WAKENT	20785	2.16	0.77	1.00	3.00
R14WAKENT	17069	2.15	0.76	1.00	3.00
R15WAKENT	15596	2.16	0.76	1.00	3.00
S6WAKENT	11608	2.17	0.77	1.00	3.00
S7WAKENT	12940	2.16	0.80	1.00	3.00
S8WAKENT	11703	2.16	0.79	1.00	3.00
S9WAKENT	139	2.27	0.78	1.00	3.00
S10WAKENT	13469	2.17	0.78	1.00	3.00
S11WAKENT	446	2.21	0.78	1.00	3.00
S12WAKENT	10961	2.17	0.78	1.00	3.00
S13WAKENT	11731	2.19	0.76	1.00	3.00
S14WAKENT	9323	2.19	0.74	1.00	3.00
S15WAKENT	8414	2.20	0.74	1.00	3.00
R6WAKEUP	18077	2.47	0.70	1.00	3.00
R7WAKEUP	20035	2.44	0.72	1.00	3.00
R8WAKEUP	18374	2.43	0.72	1.00	3.00
R9WAKEUP	143	2.45	0.71	1.00	3.00
R10WAKEUP	21941	2.39	0.72	1.00	3.00
R11WAKEUP	515	2.41	0.71	1.00	3.00
R12WAKEUP	18666	2.38	0.72	1.00	3.00
R13WAKEUP	20837	2.37	0.73	1.00	3.00
R14WAKEUP	17098	2.37	0.71	1.00	3.00
R15WAKEUP	15646	2.38	0.70	1.00	3.00
S6WAKEUP	11614	2.50	0.68	1.00	3.00
S7WAKEUP	12938	2.47	0.70	1.00	3.00
S8WAKEUP	11701	2.46	0.71	1.00	3.00
S9WAKEUP	139	2.45	0.70	1.00	3.00
S10WAKEUP	13478	2.43	0.70	1.00	3.00
S11WAKEUP	449	2.42	0.71	1.00	3.00
S12WAKEUP	10980	2.42	0.70	1.00	3.00
S13WAKEUP	11753	2.41	0.71	1.00	3.00
S14WAKEUP	9342	2.41	0.70	1.00	3.00
S15WAKEUP	8437	2.42	0.68	1.00	3.00
R6RESTED	18028	1.52	0.72	1.00	3.00
R7RESTED	19996	1.56	0.74	1.00	3.00
R8RESTED	18338	1.56	0.75	1.00	3.00
R9RESTED	17147	1.56	0.71	1.00	3.00
R10RESTED	21935	1.63	0.74	1.00	3.00
R11RESTED	20424	1.61	0.72	1.00	3.00
R12RESTED	18671	1.64	0.74	1.00	3.00

R13RESTED	20830	1.68	0.76	1.00	3.00
R14RESTED	17089	1.67	0.74	1.00	3.00
R15RESTED	15646	1.65	0.74	1.00	3.00
S6RESTED	11592	1.50	0.72	1.00	3.00
S7RESTED	12919	1.54	0.73	1.00	3.00
S8RESTED	11684	1.55	0.74	1.00	3.00
S9RESTED	10619	1.54	0.70	1.00	3.00
S10RESTED	13479	1.60	0.73	1.00	3.00
S11RESTED	12416	1.59	0.71	1.00	3.00
S12RESTED	10986	1.62	0.73	1.00	3.00
S13RESTED	11753	1.66	0.75	1.00	3.00
S14RESTED	9340	1.65	0.73	1.00	3.00
S15RESTED	8439	1.62	0.73	1.00	3.00
R8RXSLP	18448	0.20	0.40	0.00	1.00
R9RXSLP	17198	0.23	0.42	0.00	1.00
R10RXSLP	22021	0.23	0.42	0.00	1.00
R11RXSLP	20547	0.24	0.42	0.00	1.00
R12RXSLP	18740	0.23	0.42	0.00	1.00
R13RXSLP	20747	0.14	0.35	0.00	1.00
R14RXSLP	17008	0.14	0.35	0.00	1.00
R15RXSLP	15526	0.14	0.34	0.00	1.00
S8RXSLP	11722	0.19	0.39	0.00	1.00
S9RXSLP	10636	0.22	0.42	0.00	1.00
S10RXSLP	13502	0.21	0.41	0.00	1.00
S11RXSLP	12475	0.22	0.42	0.00	1.00
S12RXSLP	11011	0.22	0.41	0.00	1.00
S13RXSLP	11724	0.12	0.33	0.00	1.00
S14RXSLP	9312	0.12	0.33	0.00	1.00
S15RXSLP	8412	0.12	0.32	0.00	1.00

### Categorical Variable Codes

Value-----	R6FALLSLP	R7FALLSLP	R8FALLSLP	R9FALLSLP	R10FALLSLP
.d:DK	37	39	32		43
.m:Missing			2		
.r:Refuse	1	4	1		5
.s:skipped				17074	
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-----	R11FALLSLP	R12FALLSLP	R13FALLSLP	R14FALLSLP	R15FALLSLP
.d:DK	2	73	69	52	73
.m:Missing	1		1		
.r:Refuse		2	11	7	7
.s:skipped	20035				
1.most of the time	77	2936	3538	2670	2508
2.sometimes	165	6358	6935	6050	5704
3.rarely or never	274	9378	10358	8367	7431
Value-----	S6FALLSLP	S7FALLSLP	S8FALLSLP	S9FALLSLP	S10FALLSLP
.d:DK	8	15	10		16
.m:Missing			1		
.r:Refuse		2	1		2
.s:skipped				10501	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.most of the time	1185	1598	1407	23	1707
2.sometimes	3194	3431	3362	38	4432
3.rarely or never	7245	7922	6947	78	7351
Value-----	S11FALLSLP	S12FALLSLP	S13FALLSLP	S14FALLSLP	S15FALLSLP
.d:DK	2	33	35	21	34
.r:Refuse		1	3	1	4
.s:skipped	12026				

.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.most of the time	62	1474	1694	1239	1165
2.sometimes	150	3639	3825	3249	2983
3.rarely or never	236	5865	6221	4848	4280
Value-----	R6WAKENT	R7WAKENT	R8WAKENT	R9WAKENT	R10WAKENT
.d:DK	85	80	71		111
.m:Missing			2		
.r:Refuse	2	8	5		10
.s:skipped				17074	
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-----	R11WAKENT	R12WAKENT	R13WAKENT	R14WAKENT	R15WAKENT
.d:DK	5	127	113	66	117
.m:Missing	1		1		
.r:Refuse		3	13	11	10
.s:skipped	20035				
1.most of the time	113	4608	4816	3843	3411
2.sometimes	173	6870	7860	6768	6266
3.rarely or never	227	7139	8109	6458	5919
Value-----	S6WAKENT	S7WAKENT	S8WAKENT	S9WAKENT	S10WAKENT
.d:DK	24	23	21		35
.m:Missing			1		
.r:Refuse		5	3		4
.s:skipped				10501	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.most of the time	2684	3270	2884	28	3095
2.sometimes	4324	4385	4015	46	4929
3.rarely or never	4600	5285	4804	65	5445
Value-----	S11WAKENT	S12WAKENT	S13WAKENT	S14WAKENT	S15WAKENT
.d:DK	4	50	43	30	49
.r:Refuse		1	4	5	3
.s:skipped	12026				
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.most of the time	99	2537	2470	1874	1643
2.sometimes	154	4048	4511	3822	3468
3.rarely or never	193	4376	4750	3627	3303
Value-----	R6WAKEUP	R7WAKEUP	R8WAKEUP	R9WAKEUP	R10WAKEUP
.d:DK	87	88	90		88
.m:Missing			2		
.r:Refuse	1	6	3		5
.s:skipped				17074	
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-----	R11WAKEUP	R12WAKEUP	R13WAKEUP	R14WAKEUP	R15WAKEUP
.d:DK	3	75	67	40	70
.m:Missing	1		1		
.r:Refuse		6	7	8	7
.s:skipped	20035				
1.most of the time	68	2598	3094	2360	2038
2.sometimes	170	6399	6867	5968	5663
3.rarely or never	277	9669	10876	8770	7945
Value-----	S6WAKEUP	S7WAKEUP	S8WAKEUP	S9WAKEUP	S10WAKEUP
.d:DK	18	26	25		29
.m:Missing			1		
.r:Refuse		4	1		1
.s:skipped				10501	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.most of the time	1240	1563	1484	17	1631
2.sometimes	3367	3757	3354	43	4408
3.rarely or never	7007	7618	6863	79	7439
Value-----	S11WAKEUP	S12WAKEUP	S13WAKEUP	S14WAKEUP	S15WAKEUP
.d:DK	1	29	24	15	26



.r:Refuse		3	1	1	3
.s:skipped	12026				
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.most of the time	57	1349	1515	1129	937
2.sometimes	145	3697	3847	3231	3034
3.rarely or never	247	5934	6391	4982	4466
Value-----	R6RESTED	R7RESTED	R8RESTED	R9RESTED	R10RESTED
.d:DK	136	127	127	69	95
.m:Missing			2		
.r:Refuse	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-----	R11RESTED	R12RESTED	R13RESTED	R14RESTED	R15RESTED
.d:DK	124	74	76	51	69
.m:Missing	1		1		
.r:Refuse	5	2	5	6	8
1.most of the time	10898	9698	10317	8483	7991
2.sometimes	6669	6044	6772	5766	5198
3.rarely or never	2857	2929	3741	2840	2457
Value-----	S6RESTED	S7RESTED	S8RESTED	S9RESTED	S10RESTED
.d:DK	40	45	42	20	27
.m:Missing			1		
.r:Refuse		4	1	1	2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.most of the time	7282	7783	7087	6152	7362
2.sometimes	2781	3254	2817	3161	4088
3.rarely or never	1529	1882	1780	1306	2029
Value-----	S11RESTED	S12RESTED	S13RESTED	S14RESTED	S15RESTED
.d:DK	58	24	25	17	22
.m:Missing	1				
.r:Refuse	1	2		1	5
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.most of the time	6702	5817	6009	4729	4424
2.sometimes	4075	3519	3772	3165	2761
3.rarely or never	1639	1650	1972	1446	1254
Value-----			R8RXSLP	R9RXSLP	R10RXSLP
.d:DK			17	17	11
.m:Missing			2		
.r:Refuse			2	2	2
0.no			14771	13252	17017
1.yes			3677	3946	5004
Value-----	R11RXSLP	R12RXSLP	R13RXSLP	R14RXSLP	R15RXSLP
.d:DK	4	6	25	33	50
.m:Missing	1		123	93	136
.r:Refuse	2	1	17	12	11
0.no	15687	14344	17823	14633	13392
1.yes	4860	4396	2924	2375	2134
Value-----			S8RXSLP	S9RXSLP	S10RXSLP
.d:DK			4	2	4
.m:Missing			1		
.r:Refuse			1	2	2
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			9516	8283	10600
1.yes			2206	2353	2902
Value-----	S11RXSLP	S12RXSLP	S13RXSLP	S14RXSLP	S15RXSLP
.d:DK		1	11	16	24
.m:Missing	1		35	26	25
.r:Refuse			8	4	5
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	9706	8599	10303	8175	7415
1.yes	2769	2412	1421	1137	997

## How Constructed:

RwFALLSLP, RwWAKENT, RwWAKEUP, and RwRESTED indicate the frequency with which the respondent experiences sleep issues. RwFALLSLP indicates how often the respondent has trouble falling asleep. RwWAKENT indicates how often the respondent wakes up during the night. RwWAKEUP indicates how often the respondent wakes up too early and is unable to go back to sleep. RwRESTED indicates how often the respondent feels rested when they wake up. These variables are coded as 1.most of the time, 2.sometimes, 3.rarely or never. These variables are asked starting in Wave 6. In Waves 9 and 11, only new respondents are asked RwFALLSLP, RwWAKENT, and RwWAKEUP, as such, returning respondents are assigned special missing .s in these waves. RwRESTED is asked to all respondents in all waves. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwFALLSLP, SwWAKENT, SwWAKEUP, and SwRESTED indicate the frequency with which the respondent's current wave's spouse has experienced sleep issues, and are taken from RwFALLSLP, RwWAKENT, RwWAKEUP, and RwRESTED. In addition to the special missing codes employed by RwFALLSLP, RwWAKENT, RwWAKEUP, and RwRESTED, SwFALLSLP, SwWAKENT, SwWAKEUP, and SwRESTED employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwRXSLP indicates whether the respondent takes medication to help them sleep, and is available starting in Wave 8. RwRXSLP is coded as 1.yes, 0.no. Respondents are asked if they regularly take prescription medication, and if they do regularly take prescription medication, they are asked if they regularly take medication to help them sleep. Those who report not regularly taking prescription medication are assigned a value of 0. Additionally, in Waves 8 through 12, respondents are asked several questions about their sleep, the last of which asks if they have taken any medications or used other treatments to help them sleep in the past 2 weeks. Respondents are considered to take medication to help them sleep if they answer positively to either question. Don't know, refused, or other missing responses of RwRXSLP are assigned special missing codes .d, .r, and .m, respectively. RwRXSLP is set to plain missing (.) for respondents who did not participate in the current wave.

SwRXSLP indicates whether the respondent's current wave's spouse takes medication to help them sleep, and is taken from RwRXSLP. In addition to the special missing codes employed by RwRXSLP, SwRXSLP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about sleep difficulties begin in Wave 6, and so RwFALLSLP, RwWAKENT, RwWAKEUP, and RwRESTED are available starting in Wave 6. In Waves 9 and 11, only new respondents are asked about difficulty falling asleep, waking up during the night, and waking up too early, as such, returning respondents are assigned special missing .s to RwFALLSLP, RwWAKENT, and RwWAKEUP in these waves. The question about waking up rested is asked to all respondents in all waves starting in Wave 6.

Questions about whether the respondent takes medication to help them sleep begin in Wave 8, and so RwRXSLP is available starting in Wave 8. In Waves 8 through 12, respondents are asked several questions about their sleep, the last of which asks if they have taken any medications or used other treatments to help them sleep in the past 2 weeks. The answer to this question supplements the question about regularly taking prescription medication to help them sleep which starts in Wave 8.

## HRS Variables Used:

Wave 6:	
HC083	trouble falling asleep
HC084	trouble waking up during night
HC085	trouble waking up too early
HC086	feel rested in morning
Wave 7:	
JC083	trouble falling asleep
JC084	trouble waking up during night

JC085 trouble waking up too early  
JC086 feel rested in morning

Wave 8:  
KC083 trouble falling asleep  
KC084 trouble waking up during night  
KC085 trouble waking up too early  
KC086 feel rested in morning  
KC232U2 medications to sleep  
KN175 take rx drugs regularly  
KN364 presc drugs regularly help sleep

Wave 9:  
LC083 trouble falling asleep  
LC084 trouble waking up during night  
LC085 trouble waking up too early  
LC086 feel rested in morning  
LC232U2 medications to sleep  
LN175 take rx drugs regularly  
LN364 presc drugs regularly help sleep  
LZ076 r ever interviewed

Wave 10:  
MC083 trouble falling asleep  
MC084 trouble waking up during night  
MC085 trouble waking up too early  
MC086 feel rested in morning  
MC232U2 medications to sleep  
MN175 take rx drugs regularly  
MN364 presc drugs regularly help sleep

Wave 11:  
NC083 trouble falling asleep  
NC084 trouble waking up during night  
NC085 trouble waking up too early  
NC086 feel rested in morning  
NC232U2 medications to sleep  
NN175 take rx drugs regularly  
NN364 presc drugs regularly help sleep  
NZ076 r ever interviewed

Wave 12:  
OC083 trouble falling asleep  
OC084 trouble waking up during night  
OC085 trouble waking up too early  
OC086 feel rested in morning  
OC232U2 medications to sleep  
ON175 take rx drugs regularly  
ON364 presc drugs regularly help sleep

Wave 13:  
PC083 trouble falling asleep  
PC084 trouble waking up during night  
PC085 trouble waking up too early  
PC086 feel rested in morning  
PN175 take rx drugs regularly  
PN364 presc drugs regularly help sleep

Wave 14:  
QC083 trouble falling asleep  
QC084 trouble waking up during night  
QC085 trouble waking up too early  
QC086 feel rested in morning  
QN175 take rx drugs regularly  
QN364 presc drugs regularly help sleep

Wave 15:  
RC083 trouble falling asleep  
RC084 trouble waking up during night  
RC085 trouble waking up too early  
RC086 feel rested in morning

RN175            take rx drugs regularly  
RN364            presc drugs regularly help sleep

<b>Pain</b>
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Wave	Variable	Label	Type
01	R1PAINFR	r1painfr:w1 r frequent problems with pain	Categ
02	R2PAINFR	r2painfr:w2 r frequent problems with pain	Categ
03	R3PAINFR	r3painfr:w3 r frequent problems with pain	Categ
04	R4PAINFR	r4painfr:w4 r frequent problems with pain	Categ
05	R5PAINFR	r5painfr:w5 r frequent problems with pain	Categ
06	R6PAINFR	r6painfr:w6 r frequent problems with pain	Categ
07	R7PAINFR	r7painfr:w7 r frequent problems with pain	Categ
08	R8PAINFR	r8painfr:w8 r frequent problems with pain	Categ
09	R9PAINFR	r9painfr:w9 r frequent problems with pain	Categ
10	R10PAINFR	r10painfr:w10 r frequent problems with pain	Categ
11	R11PAINFR	r11painfr:w11 r frequent problems with pain	Categ
12	R12PAINFR	r12painfr:w12 r frequent problems with pain	Categ
13	R13PAINFR	r13painfr:w13 r frequent problems with pain	Categ
14	R14PAINFR	r14painfr:w14 r frequent problems with pain	Categ
15	R15PAINFR	r15painfr:w15 r frequent problems with pain	Categ
01	S1PAINFR	s1painfr:w1 s frequent problems with pain	Categ
02	S2PAINFR	s2painfr:w2 s frequent problems with pain	Categ
03	S3PAINFR	s3painfr:w3 s frequent problems with pain	Categ
04	S4PAINFR	s4painfr:w4 s frequent problems with pain	Categ
05	S5PAINFR	s5painfr:w5 s frequent problems with pain	Categ
06	S6PAINFR	s6painfr:w6 s frequent problems with pain	Categ
07	S7PAINFR	s7painfr:w7 s frequent problems with pain	Categ
08	S8PAINFR	s8painfr:w8 s frequent problems with pain	Categ
09	S9PAINFR	s9painfr:w9 s frequent problems with pain	Categ
10	S10PAINFR	s10painfr:w10 s frequent problems with pain	Categ
11	S11PAINFR	s11painfr:w11 s frequent problems with pain	Categ
12	S12PAINFR	s12painfr:w12 s frequent problems with pain	Categ
13	S13PAINFR	s13painfr:w13 s frequent problems with pain	Categ
14	S14PAINFR	s14painfr:w14 s frequent problems with pain	Categ
15	S15PAINFR	s15painfr:w15 s frequent problems with pain	Categ
01	R1PAINLV	r1painlv:w1 r usual level of pain	Categ
02	R2PAINLV	r2painlv:w2 r usual level of pain	Categ
03	R3PAINLV	r3painlv:w3 r usual level of pain	Categ
04	R4PAINLV	r4painlv:w4 r usual level of pain	Categ
05	R5PAINLV	r5painlv:w5 r usual level of pain	Categ
06	R6PAINLV	r6painlv:w6 r usual level of pain	Categ
07	R7PAINLV	r7painlv:w7 r usual level of pain	Categ
08	R8PAINLV	r8painlv:w8 r usual level of pain	Categ
09	R9PAINLV	r9painlv:w9 r usual level of pain	Categ
10	R10PAINLV	r10painlv:w10 r usual level of pain	Categ
11	R11PAINLV	r11painlv:w11 r usual level of pain	Categ
12	R12PAINLV	r12painlv:w12 r usual level of pain	Categ
13	R13PAINLV	r13painlv:w13 r usual level of pain	Categ
14	R14PAINLV	r14painlv:w14 r usual level of pain	Categ
15	R15PAINLV	r15painlv:w15 r usual level of pain	Categ
01	S1PAINLV	s1painlv:w1 s usual level of pain	Categ
02	S2PAINLV	s2painlv:w2 s usual level of pain	Categ
03	S3PAINLV	s3painlv:w3 s usual level of pain	Categ
04	S4PAINLV	s4painlv:w4 s usual level of pain	Categ
05	S5PAINLV	s5painlv:w5 s usual level of pain	Categ
06	S6PAINLV	s6painlv:w6 s usual level of pain	Categ
07	S7PAINLV	s7painlv:w7 s usual level of pain	Categ
08	S8PAINLV	s8painlv:w8 s usual level of pain	Categ
09	S9PAINLV	s9painlv:w9 s usual level of pain	Categ

10	S10PAINLV	s10painlv:w10	s	usual level of pain	Categ
11	S11PAINLV	s11painlv:w11	s	usual level of pain	Categ
12	S12PAINLV	s12painlv:w12	s	usual level of pain	Categ
13	S13PAINLV	s13painlv:w13	s	usual level of pain	Categ
14	S14PAINLV	s14painlv:w14	s	usual level of pain	Categ
15	S15PAINLV	s15painlv:w15	s	usual level of pain	Categ
01	R1PAINW	r1painw:w1	r	pain interferes with normal work	Categ
02	R2PAINW	r2painw:w2	r	pain interferes with normal work	Categ
01	S1PAINW	s1painw:w1	s	pain interferes with normal work	Categ
02	S2PAINW	s2painw:w2	s	pain interferes with normal work	Categ
02	R2PAINA	r2paina:w2	r	pain interferes with normal activities	Categ
03	R3PAINA	r3paina:w3	r	pain interferes with normal activities	Categ
04	R4PAINA	r4paina:w4	r	pain interferes with normal activities	Categ
05	R5PAINA	r5paina:w5	r	pain interferes with normal activities	Categ
06	R6PAINA	r6paina:w6	r	pain interferes with normal activities	Categ
07	R7PAINA	r7paina:w7	r	pain interferes with normal activities	Categ
08	R8PAINA	r8paina:w8	r	pain interferes with normal activities	Categ
09	R9PAINA	r9paina:w9	r	pain interferes with normal activities	Categ
10	R10PAINA	r10paina:w10	r	pain interferes with normal activities	Categ
11	R11PAINA	r11paina:w11	r	pain interferes with normal activities	Categ
12	R12PAINA	r12paina:w12	r	pain interferes with normal activities	Categ
13	R13PAINA	r13paina:w13	r	pain interferes with normal activities	Categ
14	R14PAINA	r14paina:w14	r	pain interferes with normal activities	Categ
15	R15PAINA	r15paina:w15	r	pain interferes with normal activities	Categ
02	S2PAINA	s2paina:w2	s	pain interferes with normal activities	Categ
03	S3PAINA	s3paina:w3	s	pain interferes with normal activities	Categ
04	S4PAINA	s4paina:w4	s	pain interferes with normal activities	Categ
05	S5PAINA	s5paina:w5	s	pain interferes with normal activities	Categ
06	S6PAINA	s6paina:w6	s	pain interferes with normal activities	Categ
07	S7PAINA	s7paina:w7	s	pain interferes with normal activities	Categ
08	S8PAINA	s8paina:w8	s	pain interferes with normal activities	Categ
09	S9PAINA	s9paina:w9	s	pain interferes with normal activities	Categ
10	S10PAINA	s10paina:w10	s	pain interferes with normal activities	Categ
11	S11PAINA	s11paina:w11	s	pain interferes with normal activities	Categ
12	S12PAINA	s12paina:w12	s	pain interferes with normal activities	Categ
13	S13PAINA	s13paina:w13	s	pain interferes with normal activities	Categ
14	S14PAINA	s14paina:w14	s	pain interferes with normal activities	Categ
15	S15PAINA	s15paina:w15	s	pain interferes with normal activities	Categ
08	R8RXPAIN	r8rxpain:w8	r	takes meds for pain	Categ
09	R9RXPAIN	r9rxpain:w9	r	takes meds for pain	Categ
10	R10RXPAIN	r10rxpain:w10	r	takes meds for pain	Categ
11	R11RXPAIN	r11rxpain:w11	r	takes meds for pain	Categ
12	R12RXPAIN	r12rxpain:w12	r	takes meds for pain	Categ
13	R13RXPAIN	r13rxpain:w13	r	takes meds for pain	Categ
14	R14RXPAIN	r14rxpain:w14	r	takes meds for pain	Categ
15	R15RXPAIN	r15rxpain:w15	r	takes meds for pain	Categ
08	S8RXPAIN	s8rxpain:w8	s	takes meds for pain	Categ
09	S9RXPAIN	s9rxpain:w9	s	takes meds for pain	Categ
10	S10RXPAIN	s10rxpain:w10	s	takes meds for pain	Categ
11	S11RXPAIN	s11rxpain:w11	s	takes meds for pain	Categ
12	S12RXPAIN	s12rxpain:w12	s	takes meds for pain	Categ
13	S13RXPAIN	s13rxpain:w13	s	takes meds for pain	Categ
14	S14RXPAIN	s14rxpain:w14	s	takes meds for pain	Categ
15	S15RXPAIN	s15rxpain:w15	s	takes meds for pain	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PAINFR	12652	0.25	0.43	0.00	1.00
R2PAINFR	19623	0.30	0.46	0.00	1.00
R3PAINFR	17971	0.26	0.44	0.00	1.00
R4PAINFR	21362	0.28	0.45	0.00	1.00
R5PAINFR	19556	0.29	0.46	0.00	1.00
R6PAINFR	18133	0.30	0.46	0.00	1.00
R7PAINFR	20084	0.33	0.47	0.00	1.00
R8PAINFR	18439	0.34	0.47	0.00	1.00
R9PAINFR	17195	0.34	0.48	0.00	1.00
R10PAINFR	22003	0.37	0.48	0.00	1.00
R11PAINFR	20486	0.36	0.48	0.00	1.00
R12PAINFR	18673	0.40	0.49	0.00	1.00
R13PAINFR	20838	0.41	0.49	0.00	1.00
R14PAINFR	17110	0.42	0.49	0.00	1.00
R15PAINFR	15622	0.41	0.49	0.00	1.00
S1PAINFR	9900	0.24	0.43	0.00	1.00
S2PAINFR	13075	0.28	0.45	0.00	1.00
S3PAINFR	11903	0.25	0.43	0.00	1.00
S4PAINFR	13966	0.27	0.44	0.00	1.00
S5PAINFR	12719	0.28	0.45	0.00	1.00
S6PAINFR	11613	0.29	0.45	0.00	1.00
S7PAINFR	12950	0.32	0.47	0.00	1.00
S8PAINFR	11712	0.33	0.47	0.00	1.00
S9PAINFR	10627	0.33	0.47	0.00	1.00
S10PAINFR	13495	0.35	0.48	0.00	1.00
S11PAINFR	12444	0.34	0.47	0.00	1.00
S12PAINFR	10979	0.38	0.49	0.00	1.00
S13PAINFR	11746	0.39	0.49	0.00	1.00
S14PAINFR	9342	0.39	0.49	0.00	1.00
S15PAINFR	8415	0.38	0.49	0.00	1.00
R1PAINLV	12652	0.43	0.82	0.00	3.00
R2PAINLV	11394	0.51	0.91	0.00	3.00
R3PAINLV	17935	0.45	0.82	0.00	3.00
R4PAINLV	21336	0.54	0.93	0.00	3.00
R5PAINLV	19531	0.56	0.95	0.00	3.00
R6PAINLV	18113	0.58	0.96	0.00	3.00
R7PAINLV	20049	0.63	0.97	0.00	3.00
R8PAINLV	18410	0.66	0.99	0.00	3.00
R9PAINLV	17175	0.65	0.98	0.00	3.00
R10PAINLV	21969	0.70	1.01	0.00	3.00
R11PAINLV	20425	0.68	0.99	0.00	3.00
R12PAINLV	18606	0.75	1.02	0.00	3.00
R13PAINLV	20781	0.79	1.04	0.00	3.00
R14PAINLV	17077	0.80	1.05	0.00	3.00
R15PAINLV	15571	0.77	1.03	0.00	3.00
S1PAINLV	9900	0.40	0.79	0.00	3.00
S2PAINLV	8718	0.47	0.87	0.00	3.00
S3PAINLV	11886	0.42	0.80	0.00	3.00
S4PAINLV	13952	0.51	0.91	0.00	3.00
S5PAINLV	12704	0.53	0.92	0.00	3.00
S6PAINLV	11603	0.55	0.92	0.00	3.00
S7PAINLV	12934	0.60	0.95	0.00	3.00
S8PAINLV	11700	0.61	0.95	0.00	3.00
S9PAINLV	10619	0.60	0.94	0.00	3.00
S10PAINLV	13479	0.65	0.97	0.00	3.00
S11PAINLV	12409	0.63	0.95	0.00	3.00
S12PAINLV	10947	0.70	0.98	0.00	3.00
S13PAINLV	11721	0.72	1.00	0.00	3.00

S14PAINLV	9330	0.74	1.00	0.00	3.00
S15PAINLV	8399	0.70	0.98	0.00	3.00
R1PAINW	3168	0.66	0.47	0.00	1.00
R2PAINW	3092	0.64	0.48	0.00	1.00
S1PAINW	2391	0.62	0.48	0.00	1.00
S2PAINW	2231	0.61	0.49	0.00	1.00
R2PAINA	2732	0.58	0.49	0.00	1.00
R3PAINA	4709	0.66	0.47	0.00	1.00
R4PAINA	5974	0.65	0.48	0.00	1.00
R5PAINA	5728	0.64	0.48	0.00	1.00
R6PAINA	5438	0.62	0.48	0.00	1.00
R7PAINA	6595	0.63	0.48	0.00	1.00
R8PAINA	6299	0.65	0.48	0.00	1.00
R9PAINA	5916	0.65	0.48	0.00	1.00
R10PAINA	8090	0.65	0.48	0.00	1.00
R11PAINA	7310	0.66	0.47	0.00	1.00
R12PAINA	7327	0.65	0.48	0.00	1.00
R13PAINA	8516	0.65	0.48	0.00	1.00
R14PAINA	7065	0.65	0.48	0.00	1.00
R15PAINA	6261	0.64	0.48	0.00	1.00
S2PAINA	1410	0.57	0.50	0.00	1.00
S3PAINA	2940	0.63	0.48	0.00	1.00
S4PAINA	3750	0.62	0.48	0.00	1.00
S5PAINA	3568	0.62	0.49	0.00	1.00
S6PAINA	3351	0.59	0.49	0.00	1.00
S7PAINA	4189	0.58	0.49	0.00	1.00
S8PAINA	3815	0.62	0.48	0.00	1.00
S9PAINA	3498	0.61	0.49	0.00	1.00
S10PAINA	4722	0.62	0.49	0.00	1.00
S11PAINA	4242	0.63	0.48	0.00	1.00
S12PAINA	4162	0.60	0.49	0.00	1.00
S13PAINA	4539	0.61	0.49	0.00	1.00
S14PAINA	3666	0.60	0.49	0.00	1.00
S15PAINA	3161	0.59	0.49	0.00	1.00
R8RXPAIN	18376	0.23	0.42	0.00	1.00
R9RXPAIN	17134	0.25	0.43	0.00	1.00
R10RXPAIN	21718	0.25	0.43	0.00	1.00
R11RXPAIN	20454	0.26	0.44	0.00	1.00
R12RXPAIN	18645	0.28	0.45	0.00	1.00
R13RXPAIN	20899	0.31	0.46	0.00	1.00
R14RXPAIN	17138	0.30	0.46	0.00	1.00
R15RXPAIN	15715	0.28	0.45	0.00	1.00
S8RXPAIN	11704	0.20	0.40	0.00	1.00
S9RXPAIN	10611	0.21	0.41	0.00	1.00
S10RXPAIN	13340	0.22	0.42	0.00	1.00
S11RXPAIN	12443	0.23	0.42	0.00	1.00
S12RXPAIN	10983	0.25	0.43	0.00	1.00
S13RXPAIN	11775	0.28	0.45	0.00	1.00
S14RXPAIN	9355	0.27	0.45	0.00	1.00
S15RXPAIN	8460	0.25	0.44	0.00	1.00

### Categorical Variable Codes

Value-----	R1PAINFR	R2PAINFR	R3PAINFR	R4PAINFR	R5PAINFR
.d:DK		18	17	22	20
.m:Missing		174	2		
.r:Refuse		2	1		2



0.no	9484	13785	13259	15377	13820
1.yes	3168	5838	4712	5985	5736
Value-----	R6PAINFR	R7PAINFR	R8PAINFR	R9PAINFR	R10PAINFR
.d:DK	30	43	26	19	25
.m:Missing			2		
.r:Refuse	2	2	2	3	6
0.no	12677	13459	12121	11264	13877
1.yes	5456	6625	6318	5931	8126
Value-----	R11PAINFR	R12PAINFR	R13PAINFR	R14PAINFR	R15PAINFR
.d:DK	62	72	66	29	93
.m:Missing	1		1		
.r:Refuse	5	2	7	7	8
0.no	13107	11253	12242	10003	9284
1.yes	7379	7420	8596	7107	6338
Value-----	S1PAINFR	S2PAINFR	S3PAINFR	S4PAINFR	S5PAINFR
.d:DK		12	11	12	10
.m:Missing			2		
.r:Refuse		1			1
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	7509	9424	8961	10210	9147
1.yes	2391	3651	2942	3756	3572
Value-----	S6PAINFR	S7PAINFR	S8PAINFR	S9PAINFR	S10PAINFR
.d:DK	18	18	14	10	10
.m:Missing			1		
.r:Refuse	1		1	3	3
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	8250	8750	7890	7124	8759
1.yes	3363	4200	3822	3503	4736
Value-----	S11PAINFR	S12PAINFR	S13PAINFR	S14PAINFR	S15PAINFR
.d:DK	29	32	29	15	47
.m:Missing	1				
.r:Refuse	2	1	3	1	4
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	8174	6782	7177	5656	5220
1.yes	4270	4197	4569	3686	3195
Value-----	R1PAINLV	R2PAINLV	R3PAINLV	R4PAINLV	R5PAINLV
.d:DK		19	48	48	44
.m:Missing		174	5		
.q:not asked this wave		8222			
.r:Refuse		8	3		3
0.no pain	9484	8305	13259	15377	13820
1.mild	1363	991	1911	1599	1524
2.moderate	1347	1503	2216	3209	3081
3.severe	458	595	549	1151	1106
Value-----	R6PAINLV	R7PAINLV	R8PAINLV	R9PAINLV	R10PAINLV
.d:DK	50	76	55	39	59
.m:Missing			2		
.r:Refuse	2	4	2	3	6
0.no pain	12677	13459	12121	11264	13877
1.mild	1386	1803	1720	1643	2268
2.moderate	3044	3608	3355	3255	4270
3.severe	1006	1179	1214	1013	1554
Value-----	R11PAINLV	R12PAINLV	R13PAINLV	R14PAINLV	R15PAINLV
.d:DK	120	135	122	59	141
.m:Missing	1		1		
.r:Refuse	8	6	8	10	11
0.no pain	13107	11253	12242	10003	9284
1.mild	2082	2067	2385	1834	1694
2.moderate	3921	3981	4460	3878	3468
3.severe	1315	1305	1694	1362	1125
Value-----	S1PAINLV	S2PAINLV	S3PAINLV	S4PAINLV	S5PAINLV
.d:DK		14	24	26	24
.m:Missing			5		
.q:not asked this wave		4350			

.r:Refuse		6	1		2
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no pain	7509	6491	8961	10210	9147
1.mild	1085	757	1208	1062	1012
2.moderate	1012	1091	1409	2027	1919
3.severe	294	379	308	653	626
Value-----	S6PAINLV	S7PAINLV	S8PAINLV	S9PAINLV	S10PAINLV
.d:DK	28	32	26	18	26
.m:Missing			1		
.r:Refuse	1	2	1	3	3
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no pain	8250	8750	7890	7124	8759
1.mild	897	1246	1127	1071	1449
2.moderate	1923	2295	2055	1934	2536
3.severe	533	643	628	490	735
Value-----	S11PAINLV	S12PAINLV	S13PAINLV	S14PAINLV	S15PAINLV
.d:DK	63	61	54	25	62
.m:Missing	1				
.r:Refuse	3	4	3	3	5
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no pain	8174	6782	7177	5656	5220
1.mild	1281	1260	1401	1056	946
2.moderate	2330	2289	2386	2033	1777
3.severe	624	616	757	585	456
Value-----	R1PAINW	R2PAINW			
.d:DK		6			
.m:Missing		174			
.q:not asked this wave		8222			
.r:Refuse		5			
.x:no pain	9484	8318			
0.no	1086	1115			
1.yes	2082	1977			
Value-----	S1PAINW	S2PAINW			
.d:DK		4			
.q:not asked this wave		4350			
.r:Refuse		4			
.u:not coupled	2373	5976			
.v:SP NR	379	578			
.x:no pain	7509	6499			
0.no	899	875			
1.yes	1492	1356			
Value-----		R2PAINA	R3PAINA	R4PAINA	R5PAINA
.d:DK		10	20	32	26
.m:Missing			2		
.q:not asked this wave		11595			
.r:Refuse			1	1	4
.x:no pain		5480	13259	15377	13820
0.no		1136	1593	2106	2050
1.yes		1596	3116	3868	3678
Value-----	R6PAINA	R7PAINA	R8PAINA	R9PAINA	R10PAINA
.d:DK	44	67	44	33	60
.m:Missing			2		
.r:Refuse	6	8	3	4	7
.x:no pain	12677	13459	12121	11264	13877
0.no	2054	2473	2190	2100	2817
1.yes	3384	4122	4109	3816	5273
Value-----	R11PAINA	R12PAINA	R13PAINA	R14PAINA	R15PAINA
.d:DK	131	157	139	65	166
.m:Missing	1		1		
.r:Refuse	5	10	14	13	12
.x:no pain	13107	11253	12242	10003	9284
0.no	2465	2564	2941	2504	2250
1.yes	4845	4763	5575	4561	4011
Value-----		S2PAINA	S3PAINA	S4PAINA	S5PAINA
.d:DK		7	13	18	12

.m:Missing				2	
.q:not asked this wave		8738			
.r:Refuse					3
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:no pain		2933	8961	10210	9147
0.no		604	1091	1409	1351
1.yes		806	1849	2341	2217
Value-----	S6PAINA	S7PAINA	S8PAINA	S9PAINA	S10PAINA
.d:DK	28	27	20	14	23
.m:Missing			1		
.r:Refuse	3	2	2	4	4
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no pain	8250	8750	7890	7124	8759
0.no	1371	1747	1439	1373	1792
1.yes	1980	2442	2376	2125	2930
Value-----	S11PAINA	S12PAINA	S13PAINA	S14PAINA	S15PAINA
.d:DK	57	66	54	33	78
.m:Missing	1				
.r:Refuse	2	2	8	3	7
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no pain	8174	6782	7177	5656	5220
0.no	1555	1651	1757	1450	1297
1.yes	2687	2511	2782	2216	1864
Value-----			R8RXPAIN	R9RXPAIN	R10RXPAIN
.d:DK			67	54	29
.m:Missing			17	19	264
.r:Refuse			9	10	23
0.no			14172	12930	16225
1.yes			4204	4204	5493
Value-----	R11RXPAIN	R12RXPAIN	R13RXPAIN	R14RXPAIN	R15RXPAIN
.d:DK	30	41	8	4	4
.m:Missing	64	55	3	2	2
.r:Refuse	6	6	2	2	2
0.no	15082	13475	14474	11995	11291
1.yes	5372	5170	6425	5143	4424
Value-----			S8RXPAIN	S9RXPAIN	S10RXPAIN
.d:DK			17	19	7
.m:Missing			3	5	150
.r:Refuse			4	5	11
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			9335	8336	10356
1.yes			2369	2275	2984
Value-----	S11RXPAIN	S12RXPAIN	S13RXPAIN	S14RXPAIN	S15RXPAIN
.d:DK	12	10	3	2	4
.m:Missing	19	16			
.r:Refuse	2	3		1	2
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	9539	8284	8529	6806	6307
1.yes	2904	2699	3246	2549	2153

### How Constructed:

RwPAINFR indicates whether the respondent experiences frequent pain. RwPAINFR is coded as 0.no, and 1.yes. Don't know, refused, or other missing responses of RwPAINFR are assigned special missing codes .d, .r, and .m, respectively. RwPAINFR is set to plain missing (.) for respondents who did not participate in the current wave.

RwPAINLV indicates the respondent's usual level of pain. RwPAINLV is coded as 0.none, 1.mild, 2.moderate, 3.severe. If the respondent does not experience frequent pain, then RwPAINLV is assigned a value of 0. In Waves 1 and 3, respondents who report that their worst pain is mild are not asked this question and are assigned a value of 1. AHEAD respondents in Wave 2 are not asked this question and are assigned special missing .q in Wave 2. Don't know, refused, or other missing responses of RwPAINLV are assigned special

missing codes .d, .r, and .m, respectively. RWPAINLV is set to plain missing (.) for respondents who did not participate in the current wave.

In Waves 1 and 2, RWPAINW indicates whether the respondent's pain interferes with normal work. Starting in Wave 2, RWPAINA indicates whether the respondent's pain interferes with normal activities. RWPAINW and RWPAINA are coded as 0.no, and 1.yes. If the respondent does not experience frequent pain, then RWPAINW and RWPAINA are assigned special missing .x. AHEAD respondents in Wave 2 are not asked if pain interferes with normal work and RWPAINW is assigned special missing .q in Wave 2. HRS respondents in Wave 2 are not asked if pain interferes with normal activities and RWPAINA is assigned special missing .q in Wave 2. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwPAINFR, SwPAINLV, SwPAINW, and SwPAINA indicate the respondent's current wave's spouse's experience with pain, and are taken from RWPAINFR, RWPAINLV, RWPAINW, and RWPAINA. In addition to the special missing codes employed by RWPAINFR, RWPAINLV, RWPAINW, and RWPAINA, SwPAINFR, SwPAINLV, SwPAINW, and SwPAINA employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwRXPAIN indicates whether the respondent takes medication for pain in their joints or muscles, and is available starting in Wave 8. RwRXPAIN is coded as 1.yes, 0.no. Starting in Wave 8, respondents are asked if they regularly take prescription medication, and if they do regularly take prescription medication, they are asked if they regularly take medication for pain in their joints or muscles. Those who report not regularly taking prescription medication are assigned a value of 0. Starting in Wave 13 as part of the questions on their experience with pain, respondents are asked whether they have taken any opioid pain medications in the past three months. Respondents are considered to take medication to help with pain if they answer positively to either of these questions. Don't know, refused, or other missing responses of RwRXPAIN are assigned special missing codes .d, .r, and .m, respectively. RWPAIN is set to plain missing (.) for respondents who did not participate in the current wave.

SwRXPAIN indicates whether the respondent's current wave's spouse takes medication for pain, and is taken from RwRXPAIN. In addition to the special missing codes employed by RwRXPAIN, SwRXPAIN employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents in Wave 1 and Wave 3 who report that their worst pain is mild are not asked about their usual level of pain and RWPAINLV is assigned a value of 1.

The question about how the respondent's pain interferes with normal work is only asked in Wave 1 and for the HRS cohort in Wave 2, and so RWPAINW is only available in Waves 1 and 2. In the AHEAD cohort in Wave 2 and starting in Wave 3, the respondent is asked how pain interferes with normal activities, and RWPAINA is available.

AHEAD respondents in Wave 2 are not asked about usual pain levels, or how pain interferes with normal work, and so RWPAINLV and RWPAINW are assigned special missing .q in Wave 2. HRS respondents in Wave 2 are not asked about how pain interferes with normal activities, and so RWPAINA is assigned special missing .q in Wave 2.

Questions about whether the respondent takes medication for pain begin in Wave 8, and so RwRXPAIN is available starting in Wave 8. Starting in Wave 13, as part of the questions on their experience with pain, respondents are asked whether they have taken any opioid pain medications in the past three months. Respondents are considered to take medication to help with pain if they answer positively to either of the questions this wave.

## HRS Variables Used:

Wave 1:  
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  
 Wave 2 AHEAD:  
   B292 b17. bothered by pain often  
   B293 b17a. pain prevent activity last 12 mos  
   BN\_INHH ahd w1: # r's responding in hhold  
 Wave 2 HRS:  
   W437 b34.troubled with pain  
   W438 b34b.severity of pain  
   W439 b34c.difficult to work  
   WN\_INHH hrs w2: # in hhold (r1/r2 only)  
 Wave 3 AHEAD:  
   D911 b18. pain  
   D912 b18a. degree pain  
   D913 b18b. degree pain most  
   D914 b18c. pain activities  
   DN\_INHH dn\_inhh: # r's responding in hhold  
 Wave 3 HRS:  
   E911 b18. pain  
   E912 b18a. degree pain: worst  
   E913 b18b. degree pain: average  
   E914 b18c. pain activities  
   EN\_INHH hrs w3: # r's responding in hhold  
 Wave 4:  
   F1239 b18. pain  
   F1241 b18b. degree pain most  
   F1242 b18c. pain activities  
 Wave 5:  
   G1372 b18.r troubled with pain  
   G1374 b18b. degree pain most of time  
   G1375 b18c. pain activities  
 Wave 6:  
   HC104 troubled with pain  
   HC105 degree pain most of time  
   HC106 does pain limit activities  
 Wave 7:  
   JC104 troubled with pain  
   JC105 degree pain most of time  
   JC106 does pain limit activities  
 Wave 8:  
   KC104 troubled with pain  
   KC105 degree pain most of time  
   KC106 does pain limit activities  
   KN175 take rx drugs regularly  
   KN361 rx drugs regularly pain  
 Wave 9:  
   LC104 troubled with pain  
   LC105 degree pain most of time  
   LC106 does pain limit activities  
   LN175 take rx drugs regularly  
   LN361 rx drugs regularly pain  
 Wave 10:  
   MC104 troubled with pain  
   MC105 degree pain most of time  
   MC106 does pain limit activities  
   MN175 take rx drugs regularly  
   MN361 rx drugs regularly pain  
 Wave 11:  
   NC104 troubled with pain  
   NC105 degree pain most of time  
   NC106 does pain limit activities  
   NN175 take rx drugs regularly

NN361 rx drugs regularly pain

Wave 12:

OC104 troubled with pain  
OC105 degree pain most of time  
OC106 does pain limit activities  
ON175 take rx drugs regularly  
ON361 rx drugs regularly pain

Wave 13:

PC104 troubled with pain  
PC105 degree pain most of time  
PC106 does pain limit activities  
PC287 taken pain medications past 3 mos  
PC288 taken opioids past 3 mos  
PN175 take rx drugs regularly  
PN361 rx drugs regularly pain

Wave 14:

QC104 troubled with pain  
QC105 degree pain most of time  
QC106 does pain limit activities  
QC287 taken pain medications past 3 mos  
QC288 taken opioids past 3 mos  
QN175 take rx drugs regularly  
QN361 rx drugs regularly pain

Wave 15:

RC104 troubled with pain  
RC105 degree pain most of time  
RC106 does pain limit activities  
RC287 taken pain medications past 3 mos  
RC288 taken opioids past 3 mos  
RN175 take rx drugs regularly  
RN361 rx drugs regularly pain

<b>Menopause</b>
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Wave	Variable	Label	Type
09	R9HYSTERE	r9hystere:w9 r ever had hysterectomy	Categ
10	R10HYSTERE	r10hystere:w10 r ever had hysterectomy	Categ
11	R11HYSTERE	r11hystere:w11 r ever had hysterectomy	Categ
12	R12HYSTERE	r12hystere:w12 r ever had hysterectomy	Categ
13	R13HYSTERE	r13hystere:w13 r ever had hysterectomy	Categ
14	R14HYSTERE	r14hystere:w14 r ever had hysterectomy	Categ
15	R15HYSTERE	r15hystere:w15 r ever had hysterectomy	Categ
09	S9HYSTERE	s9hystere:w9 s ever had hysterectomy	Categ
10	S10HYSTERE	s10hystere:w10 s ever had hysterectomy	Categ
11	S11HYSTERE	s11hystere:w11 s ever had hysterectomy	Categ
12	S12HYSTERE	s12hystere:w12 s ever had hysterectomy	Categ
13	S13HYSTERE	s13hystere:w13 s ever had hysterectomy	Categ
14	S14HYSTERE	s14hystere:w14 s ever had hysterectomy	Categ
15	S15HYSTERE	s15hystere:w15 s ever had hysterectomy	Categ
09	R9MENOPE	r9menope:w9 r menopause stage	Categ
10	R10MENOPE	r10menope:w10 r menopause stage	Categ
11	R11MENOPE	r11menope:w11 r menopause stage	Categ
12	R12MENOPE	r12menope:w12 r menopause stage	Categ
13	R13MENOPE	r13menope:w13 r menopause stage	Categ
14	R14MENOPE	r14menope:w14 r menopause stage	Categ
15	R15MENOPE	r15menope:w15 r menopause stage	Categ
09	S9MENOPE	s9menope:w9 s menopause stage	Categ
10	S10MENOPE	s10menope:w10 s menopause stage	Categ
11	S11MENOPE	s11menope:w11 s menopause stage	Categ
12	S12MENOPE	s12menope:w12 s menopause stage	Categ
13	S13MENOPE	s13menope:w13 s menopause stage	Categ
14	S14MENOPE	s14menope:w14 s menopause stage	Categ
15	S15MENOPE	s15menope:w15 s menopause stage	Categ
09	R9LSTMNSPD	r9lstmnsprd:w9 r age last menstrual period	Cont
10	R10LSTMNSPD	r10lstmnsprd:w10 r age last menstrual period	Cont
11	R11LSTMNSPD	r11lstmnsprd:w11 r age last menstrual period	Cont
12	R12LSTMNSPD	r12lstmnsprd:w12 r age last menstrual period	Cont
13	R13LSTMNSPD	r13lstmnsprd:w13 r age last menstrual period	Cont
14	R14LSTMNSPD	r14lstmnsprd:w14 r age last menstrual period	Cont
15	R15LSTMNSPD	r15lstmnsprd:w15 r age last menstrual period	Cont
09	S9LSTMNSPD	s9lstmnsprd:w9 s age last menstrual period	Cont
10	S10LSTMNSPD	s10lstmnsprd:w10 s age last menstrual period	Cont
11	S11LSTMNSPD	s11lstmnsprd:w11 s age last menstrual period	Cont
12	S12LSTMNSPD	s12lstmnsprd:w12 s age last menstrual period	Cont
13	S13LSTMNSPD	s13lstmnsprd:w13 s age last menstrual period	Cont
14	S14LSTMNSPD	s14lstmnsprd:w14 s age last menstrual period	Cont
15	S15LSTMNSPD	s15lstmnsprd:w15 s age last menstrual period	Cont
09	R9FLSTMNSPD	r9flstmnsprd:w9 r flag age last menstrual period	Categ
10	R10FLSTMNSPD	r10flstmnsprd:w10 r flag age last menstrual period	Categ
11	R11FLSTMNSPD	r11flstmnsprd:w11 r flag age last menstrual period	Categ
12	R12FLSTMNSPD	r12flstmnsprd:w12 r flag age last menstrual period	Categ
13	R13FLSTMNSPD	r13flstmnsprd:w13 r flag age last menstrual period	Categ
14	R14FLSTMNSPD	r14flstmnsprd:w14 r flag age last menstrual period	Categ
15	R15FLSTMNSPD	r15flstmnsprd:w15 r flag age last menstrual period	Categ
09	S9FLSTMNSPD	s9flstmnsprd:w9 s flag age last menstrual period	Categ

10	S10FLSTMNSPD	s10flstmnspd:w10	s	flag	age	last	menstrual	period	Categ
11	S11FLSTMNSPD	s11flstmnspd:w11	s	flag	age	last	menstrual	period	Categ
12	S12FLSTMNSPD	s12flstmnspd:w12	s	flag	age	last	menstrual	period	Categ
13	S13FLSTMNSPD	s13flstmnspd:w13	s	flag	age	last	menstrual	period	Categ
14	S14FLSTMNSPD	s14flstmnspd:w14	s	flag	age	last	menstrual	period	Categ
15	S15FLSTMNSPD	s15flstmnspd:w15	s	flag	age	last	menstrual	period	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9HYSTERE	9631	0.43	0.49	0.00	1.00
R10HYSTERE	7149	0.65	0.48	0.00	1.00
R11HYSTERE	11536	0.41	0.49	0.00	1.00
R12HYSTERE	4421	0.99	0.11	0.00	1.00
R13HYSTERE	11929	0.39	0.49	0.00	1.00
R14HYSTERE	3912	0.98	0.13	0.00	1.00
R15HYSTERE	9123	0.40	0.49	0.00	1.00
S9HYSTERE	5128	0.42	0.49	0.00	1.00
S10HYSTERE	3842	0.62	0.49	0.00	1.00
S11HYSTERE	6062	0.39	0.49	0.00	1.00
S12HYSTERE	2115	0.98	0.15	0.00	1.00
S13HYSTERE	5753	0.37	0.48	0.00	1.00
S14HYSTERE	1757	0.97	0.18	0.00	1.00
S15HYSTERE	4154	0.38	0.49	0.00	1.00
R9MENOPE	624	3.06	1.42	1.00	5.00
R10MENOPE	1749	3.06	1.42	1.00	5.00
R11MENOPE	1601	3.40	1.48	1.00	5.00
R12MENOPE	574	4.89	0.58	1.00	5.00
R13MENOPE	2214	3.35	1.52	1.00	5.00
R14MENOPE	739	4.87	0.64	1.00	5.00
R15MENOPE	1170	4.03	1.48	1.00	5.00
S9MENOPE	521	3.02	1.41	1.00	5.00
S10MENOPE	1178	2.92	1.43	1.00	5.00
S11MENOPE	1137	3.25	1.49	1.00	5.00
S12MENOPE	367	4.83	0.71	1.00	5.00
S13MENOPE	1335	3.25	1.54	1.00	5.00
S14MENOPE	399	4.79	0.81	1.00	5.00
S15MENOPE	721	3.80	1.56	1.00	5.00
R9LSTMNSPD	5479	50.18	5.67	0.00	73.00
R10LSTMNSPD	6068	49.92	5.63	2.00	73.00
R11LSTMNSPD	6646	49.93	5.95	1.00	80.00
R12LSTMNSPD	6040	49.91	5.85	1.00	80.00
R13LSTMNSPD	6773	49.81	6.00	0.00	84.00
R14LSTMNSPD	5615	49.82	5.97	0.00	84.00
R15LSTMNSPD	6029	50.08	5.23	15.00	84.00
S9LSTMNSPD	2825	50.38	5.34	19.00	73.00
S10LSTMNSPD	2980	50.10	5.44	5.00	71.00
S11LSTMNSPD	3314	50.08	5.53	4.00	73.00
S12LSTMNSPD	2866	50.02	5.54	1.00	73.00
S13LSTMNSPD	3126	50.00	5.70	0.00	79.00
S14LSTMNSPD	2486	50.10	5.58	0.00	76.00
S15LSTMNSPD	2640	50.32	4.85	30.00	73.00
R9FLSTMNSPD	5484	0.06	0.23	0.00	1.00
R10FLSTMNSPD	6072	0.05	0.21	0.00	1.00
R11FLSTMNSPD	6651	0.06	0.24	0.00	1.00
R12FLSTMNSPD	6038	0.06	0.24	0.00	1.00



R13FLSTMNSPD	6775	0.06	0.24	0.00	1.00
R14FLSTMNSPD	5614	0.05	0.22	0.00	1.00
R15FLSTMNSPD	6029	0.05	0.21	0.00	1.00
S9FLSTMNSPD	2828	0.04	0.20	0.00	1.00
S10FLSTMNSPD	2982	0.03	0.18	0.00	1.00
S11FLSTMNSPD	3319	0.05	0.21	0.00	1.00
S12FLSTMNSPD	2865	0.04	0.20	0.00	1.00
S13FLSTMNSPD	3128	0.04	0.20	0.00	1.00
S14FLSTMNSPD	2486	0.04	0.19	0.00	1.00
S15FLSTMNSPD	2640	0.03	0.17	0.00	1.00

## Categorical Variable Codes

Value-----				R9HYSTERE	R10HYSTERE
.d:DK				7	2
.g:not asked-gender				18641	18642
.m:Missing				3	20
.p:proxy				550	541
.r:Refuse				4	4
.s:skipped					5100
0.no				5528	2479
1.yes				4103	4670

Value-----	R11HYSTERE	R12HYSTERE	R13HYSTERE	R14HYSTERE	R15HYSTERE
.d:DK	7		4	1	4
.g:not asked-gender	18637	18643	18641	18643	18641
.m:Missing	20		8		6
.p:proxy	453	376	308	185	202
.r:Refuse	4				1
.s:skipped		6251		6017	
0.no	6778	52	7254	69	5453
1.yes	4758	4369	4675	3843	3670

Value-----				S9HYSTERE	S10HYSTERE
.d:DK				2	2
.g:not asked-gender				5317	6747
.m:Missing				2	15
.p:proxy				188	210
.r:Refuse				3	3
.s:skipped					2689
.u:not coupled				6212	7804
.v:SP NR				365	722
0.no				2998	1473
1.yes				2130	2369

Value-----	S11HYSTERE	S12HYSTERE	S13HYSTERE	S14HYSTERE	S15HYSTERE
.d:DK	3			1	
.g:not asked-gender	6232	5506	5888	4677	4226
.m:Missing	14		8		4
.p:proxy	163	125	129	74	82
.r:Refuse	2				
.s:skipped		3266		2849	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	3689	48	3620	61	2569
1.yes	2373	2067	2133	1696	1585

Value-----				R9MENOPE	R10MENOPE
.a:not asked due to age				5439	5975
.d:DK				10	30
.g:not asked-gender				18643	18643
.h:had a hysterectomy				4103	4670
.m:Missing				2	350
.p:proxy				15	39
.r:Refuse					2
1.without a sign				101	287
2.just beginning				157	422
3.in the middle				118	385
4.near the end				101	214
5.all through				147	441

Value-----	R11MENOPE	R12MENOPE	R13MENOPE	R14MENOPE	R15MENOPE
.a:not asked due to age	5610	5417	5322	4712	4506
.d:DK	18	2	21		10
.g:not asked-gender	18642	18643	18643	18643	18642
.h:had a hysterectomy	4748	4361	4658	3829	3637
.m:Missing	10		6		3
.p:proxy	28	16	24	15	9
.r:Refuse			2		
.s:skipped		678		820	
1.without a sign	212	6	343	11	132
2.just beginning	321	9	437	12	124
3.in the middle	284	5	361	7	97
4.near the end	180	2	238	2	45
5.all through	604	552	835	707	772

Value-----	S9MENOPE	S10MENOPE
.a:not asked due to age	2645	2865
.d:DK	9	21
.g:not asked-gender	5318	6748
.h:had a hysterectomy	2130	2369
.m:Missing	2	289
.p:proxy	15	37
.r:Refuse		1
.u:not coupled	6212	7804
.v:SP NR	365	722
1.without a sign	86	226
2.just beginning	138	315
3.in the middle	97	236
4.near the end	81	132
5.all through	119	269

Value-----	S11MENOPE	S12MENOPE	S13MENOPE	S14MENOPE	S15MENOPE
.a:not asked due to age	2691	2514	2389	2058	1937
.d:DK	11	2	14		7
.g:not asked-gender	6236	5506	5889	4677	4226
.h:had a hysterectomy	2368	2063	2121	1687	1564
.m:Missing	7		6		2
.p:proxy	26	13	22	13	9
.r:Refuse			2		
.s:skipped		547		524	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.without a sign	171	6	235	10	101
2.just beginning	262	9	285	11	93
3.in the middle	201	4	206	5	72
4.near the end	119	2	134	2	36
5.all through	384	346	475	371	419

Value-----	R9FLSTMNSPD	R10FLSTMNSPD
.a:not asked due to age	660	984
.d:DK	10	30
.g:not asked-gender	18642	18643
.h:had a hysterectomy	3386	3957
.i:invalid value		1
.m:Missing	1	352
.o:older than 55	55	2
.p:proxy ivw	15	39
.r:Refuse		2
.x:still menstruating	550	1373
.y:younger than 45	33	3
0.reported value	5177	5795
1.bracketed value	307	277

Value-----	R11FLSTMNSPD	R12FLSTMNSPD	R13FLSTMNSPD	R14FLSTMNSPD	R15FLSTMNSPD
.a:not asked due to age	360	306	172	106	77
.d:DK	26	25	24	22	15
.g:not asked-gender	18643	18643	18643	18643	18643
.h:had a hysterectomy	3731	3465	3607	2980	2590
.i:invalid value			1		
.m:Missing	27	22	14	12	11
.o:older than 55	24	19	13	10	6
.p:proxy ivw	36	35	38	24	22
.r:Refuse	2	2	4	1	1
.x:still menstruating	1137	1119	1585	1334	576
.y:younger than 45	20	17	15	11	7
0.reported value	6233	5680	6372	5326	5752

Value-----						
1.bracketed value		418	358	403	288	277
					S9FLSTMNSPD	S10FLSTMNSPD
.a:not asked due to age					213	462
.d:DK					9	21
.g:not asked-gender					5318	6748
.h:had a hysterectomy					1785	2029
.i:invalid value						1
.m:Missing					1	290
.o:older than 55					20	1
.p:proxy iw					15	37
.r:Refuse						1
.u:not coupled					6212	7804
.v:SP NR					365	722
.x:still menstruating					442	935
.y:younger than 45					9	1
0.reported value					2715	2886
1.bracketed value					113	96
Value-----	S11FLSTMNSPD	S12FLSTMNSPD	S13FLSTMNSPD	S14FLSTMNSPD	S15FLSTMNSPD	
.a:not asked due to age	131	110	66	47	30	
.d:DK	22	21	15	11	10	
.g:not asked-gender	6237	5506	5889	4677	4227	
.h:had a hysterectomy	1871	1661	1648	1318	1127	
.i:invalid value				1		
.m:Missing	20	13	11	9	8	
.o:older than 55	6	4	2	1		
.p:proxy iw	33	31	34	22	19	
.r:Refuse	1	1	3	1	1	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
.x:still menstruating	830	795	979	783	403	
.y:younger than 45	6	5	3	2	1	
0.reported value	3169	2741	2993	2388	2558	
1.bracketed value	150	124	135	98	82	

## How Constructed:

RwHYSTERE indicates whether the respondent has ever had a hysterectomy. RwHYSTERE is available starting in Wave 9. RwHYSTERE is coded as 0.no, and 1.yes. Yes responses are carried forward to future waves. Respondents who are men are assigned special missing .g. Proxy respondents are not asked about a hysterectomy and are assigned special missing .p. Starting in Wave 10 and continuing in the even numbered waves, previously interviewed respondents are not asked this question and are assigned special missing .s. Don't know, refused, or other missing responses of RwHYSTERE are assigned special missing codes .d, .r, and .m, respectively. RwHYSTERE is set to plain missing (.) for respondents who did not participate in the current wave.

SwHYSTERE indicates whether the respondent's current wave's spouse has ever had a hysterectomy, and is taken from RwHYSTERE. In addition to the special missing codes employed by RwHYSTERE, SwHYSTERE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwMENOPE indicates what stage of menopause respondents who are women believe they are in. RwMENOPE is available starting in Wave 9. RwMENOPE is coded as 1.without a sign, 2.just beginning, 3.in the middle, 4.near the end, 5.all through. All through responses are carried forward to future waves. RwMENOPE is assigned special missing .g if the respondent is not a woman and .h if the respondent reported having a hysterectomy. Respondents older than age 55 are not asked this question and are assigned special missing code .a. Proxy respondents are not asked about what stage of menopause and are assigned special missing .p. Starting in Wave 12 for even-numbered waves, respondents who had been previously interviewed were not asked this question and are assigned special missing .s. Don't know, refused, or other missing responses of RwMENOPE are assigned special missing codes .d, .r, and .m, respectively. RwMENOPE is set to plain missing (.) for respondents who did not participate in the current wave.

SwMENOPE indicates what stage the respondent's current wave's spouse has reached in menopause, and is taken from RwMENOPE. In addition to the special missing codes employed by RwMENOPE, SwMENOPE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLSTMNSPD indicates the respondent's age at their last menstrual period. Respondents who are women are asked how old they were when they stopped menstruating, and if they answer don't know or refuse, are then asked a series of questions to determine a bracket in which the true age lies within. RwLSTMNSPD takes the value reported by the respondent if available. In Waves 11 and 13, respondents can also report the year in which they stopped menstruating, and the age the respondent stopped menstruating is calculated using their birth year. RwLSTMNSPD takes the following values as a result of the bracketed questions, with the result of the brackets in parentheses: 45 (about 45), 47.5 (older than 45 and younger than 50), 50 (about 50), 52.5 (older than 50 and younger than 55), 55 (about 55). RwFLSTMNSPD is a flag variable indicating whether the value of RwLSTMNSPD was reported, in which case RwFLSTMNSPD is assigned a value of 0, or if RwLSTMNSPD was set to a value as a result of the brackets, in which case RwFLSTMNSPD is assigned a value of 1. If the respondent reported that they were less than 45 years old, then RwLSTMNSPD and RwFLSTMNSPD are assigned special missing .y. If the respondent reported that they were older than 55 years old, then RwLSTMNSPD and RwFLSTMNSPD are assigned special missing .o. If the respondent voluntarily reports they still menstruate or if the respondent reports their stage of menopause as being without a sign, just beginning, in the middle, or near the end and this question is not asked, RwLSTMNSPD and RwFLSTMNSPD are set to special missing value .x. RwLSTMNSPD and RwFLSTMNSPD are available starting in Wave 9. Values of RwLSTMNSPD and RwFLSTMNSPD are carried forward in future waves. In RwLSTMNSPD and RwFLSTMNSPD, respondents who are men are assigned special missing .g. Respondents aged 55 and older are not asked this question and are assigned special missing .a, if we cannot carry forward a value from the previous interview. Respondents who reported having a hysterectomy are not asked this question and are assigned special missing .h. Respondents who report an age that is greater than their current age are assigned special missing .i. Proxy respondents are not asked about the age at their last menstrual period and are assigned special missing .p. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. RwLSTMNSPD and RwFLSTMNSPD are set to plain missing (.) for respondents who did not participate in the current wave.

SwLSTMNSPD and SwFLSTMNSPD indicate the respondent's current wave's spouse's age at their last menstrual period and flag variable, and their values are taken from RwLSTMNSPD and RwFLSTMNSPD. In addition to the special missing codes used in RwLSTMNSPD and RwFLSTMNSPD, SwLSTMNSPD and SwFLSTMNSPD employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that extreme values for age of last menstrual period have been left to the discretion of the user.

## Cross Wave Differences in HRS

Questions about a hysterectomy begin in Wave 9, and so RwhYSTERE is available starting in Wave 9. Starting in Wave 10 and continuing in the even-numbered waves, previously interviewed respondents are not asked this question and are assigned special missing .s.

Questions about menopause stage begin in Wave 9, and so RwmENOPE is available starting in Wave 9. Starting in Wave 12 and continuing in the even-numbered waves, respondents who had been previously interviewed were not asked this question and these respondents are assigned special missing .s.

Questions about age of the last menstrual period begin in Wave 9, and so RwLSTMNSPD and RwFLSTMNSPD are available starting in Wave 9. In Waves 11 and 13, respondents can also report the year in which they had their last menstrual period.

## HRS Variables Used:

```
RAND HRS:
R10AGEY_E      r10agey_e:w10 r age (years) at ivw endmon
R10IWENDY      r10iwendy:w10 interview end year
R11AGEY_E      r11agey_e:w11 r age (years) at ivw endmon
R11IWENDY      r11iwendy:w11 interview end year
R12AGEY_E      r12agey_e:w12 r age (years) at ivw endmon
R12IWENDY      r12iwendy:w12 interview end year
R13AGEY_E      r13agey_e:w13 r age (years) at ivw endmon
R13IWENDY      r13iwendy:w13 interview end year
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R14AGEY_E      r14agey_e:w14 r age (years) at ivw endmon
R14IWENDY      r14iwendy:w14 interview end year
R15AGEY_E      r15agey_e:w15 r age (years) at ivw endmon
R15IWENDY      r15iwendy:w15 interview end year
R9AGEY_E       r9agey_e:w9 r age (years) at ivw endmon
R9IWENDY       r9iwendy:w9 interview end year
RAGENDER       ragender: r gender

Wave 9:
LA009          proxy/self interview
LC249          had hysterectomy
LC252          menopause stage
LC253          how old finished menopause
LC254          older than 50
LC255          older than 45
LC256          older than 55

Wave 10:
MA009          proxy/self interview
MC249          had hysterectomy
MC252          menopause stage
MC253          how old finished menopause
MC254          older than 50
MC255          older than 45
MC256          older than 55
MZ076          r ever interviewed

Wave 11:
NA009          proxy/self interview
NC249          had hysterectomy
NC252          menopause stage
NC253          how old finished menopause
NC254          older than 50
NC255          older than 45
NC256          older than 55

Wave 12:
OA009          proxy/self interview
OC249          had hysterectomy
OC252          menopause stage
OC253          how old finished menopause
OC254          older than 50
OC255          older than 45
OC256          older than 55
OZ076          r ever interviewed

Wave 13:
PA009          proxy/self interview
PC249          had hysterectomy
PC252          menopause stage
PC253          how old finished menopause
PC254          older than 50
PC255          older than 45
PC256          older than 55
PZ076          r ever interviewed

Wave 14:
QA009          proxy/self interview
QC249          had hysterectomy
QC252          menopause stage
QC253          how old finished menopause
QC254          older than 50
QC255          older than 45
QC256          older than 55
QZ076          r ever interviewed

Wave 15:
RA009          proxy/self interview
RC249          had hysterectomy
RC252          menopause stage
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RC253	how old finished menopause
RC254	older than 50
RC255	older than 45
RC256	older than 55
RZ076	r ever interviewed

<b>Persistent Health Problems</b>
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Wave	Variable	Label	Type
03	R3SWELL	r3swell:w3 r persistent swelling in feet/ankles	Categ
04	R4SWELL	r4swell:w4 r persistent swelling in feet/ankles	Categ
05	R5SWELL	r5swell:w5 r persistent swelling in feet/ankles	Categ
06	R6SWELL	r6swell:w6 r persistent swelling in feet/ankles	Categ
07	R7SWELL	r7swell:w7 r persistent swelling in feet/ankles	Categ
08	R8SWELL	r8swell:w8 r persistent swelling in feet/ankles	Categ
09	R9SWELL	r9swell:w9 r persistent swelling in feet/ankles	Categ
10	R10SWELL	r10swell:w10 r persistent swelling in feet/ankles	Categ
11	R11SWELL	r11swell:w11 r persistent swelling in feet/ankles	Categ
12	R12SWELL	r12swell:w12 r persistent swelling in feet/ankles	Categ
13	R13SWELL	r13swell:w13 r persistent swelling in feet/ankles	Categ
14	R14SWELL	r14swell:w14 r persistent swelling in feet/ankles	Categ
15	R15SWELL	r15swell:w15 r persistent swelling in feet/ankles	Categ
03	S3SWELL	s3swell:w3 s persistent swelling in feet/ankles	Categ
04	S4SWELL	s4swell:w4 s persistent swelling in feet/ankles	Categ
05	S5SWELL	s5swell:w5 s persistent swelling in feet/ankles	Categ
06	S6SWELL	s6swell:w6 s persistent swelling in feet/ankles	Categ
07	S7SWELL	s7swell:w7 s persistent swelling in feet/ankles	Categ
08	S8SWELL	s8swell:w8 s persistent swelling in feet/ankles	Categ
09	S9SWELL	s9swell:w9 s persistent swelling in feet/ankles	Categ
10	S10SWELL	s10swell:w10 s persistent swelling in feet/ankles	Categ
11	S11SWELL	s11swell:w11 s persistent swelling in feet/ankles	Categ
12	S12SWELL	s12swell:w12 s persistent swelling in feet/ankles	Categ
13	S13SWELL	s13swell:w13 s persistent swelling in feet/ankles	Categ
14	S14SWELL	s14swell:w14 s persistent swelling in feet/ankles	Categ
15	S15SWELL	s15swell:w15 s persistent swelling in feet/ankles	Categ
03	R3BREATH	r3breath:w3 r short of breath while awake	Categ
04	R4BREATH	r4breath:w4 r short of breath while awake	Categ
05	R5BREATH	r5breath:w5 r short of breath while awake	Categ
06	R6BREATH	r6breath:w6 r short of breath while awake	Categ
07	R7BREATH	r7breath:w7 r short of breath while awake	Categ
08	R8BREATH	r8breath:w8 r short of breath while awake	Categ
09	R9BREATH	r9breath:w9 r short of breath while awake	Categ
10	R10BREATH	r10breath:w10 r short of breath while awake	Categ
11	R11BREATH	r11breath:w11 r short of breath while awake	Categ
12	R12BREATH	r12breath:w12 r short of breath while awake	Categ
13	R13BREATH	r13breath:w13 r short of breath while awake	Categ
14	R14BREATH	r14breath:w14 r short of breath while awake	Categ
15	R15BREATH	r15breath:w15 r short of breath while awake	Categ
03	S3BREATH	s3breath:w3 s short of breath while awake	Categ
04	S4BREATH	s4breath:w4 s short of breath while awake	Categ
05	S5BREATH	s5breath:w5 s short of breath while awake	Categ
06	S6BREATH	s6breath:w6 s short of breath while awake	Categ
07	S7BREATH	s7breath:w7 s short of breath while awake	Categ
08	S8BREATH	s8breath:w8 s short of breath while awake	Categ
09	S9BREATH	s9breath:w9 s short of breath while awake	Categ
10	S10BREATH	s10breath:w10 s short of breath while awake	Categ
11	S11BREATH	s11breath:w11 s short of breath while awake	Categ
12	S12BREATH	s12breath:w12 s short of breath while awake	Categ
13	S13BREATH	s13breath:w13 s short of breath while awake	Categ
14	S14BREATH	s14breath:w14 s short of breath while awake	Categ
15	S15BREATH	s15breath:w15 s short of breath while awake	Categ
03	R3DIZZY	r3dizzy:w3 r persistent dizziness	Categ

04	R4DIZZY	r4dizzy:w4	r persistent dizziness	Categ
05	R5DIZZY	r5dizzy:w5	r persistent dizziness	Categ
06	R6DIZZY	r6dizzy:w6	r persistent dizziness	Categ
07	R7DIZZY	r7dizzy:w7	r persistent dizziness	Categ
08	R8DIZZY	r8dizzy:w8	r persistent dizziness	Categ
09	R9DIZZY	r9dizzy:w9	r persistent dizziness	Categ
10	R10DIZZY	r10dizzy:w10	r persistent dizziness	Categ
11	R11DIZZY	r11dizzy:w11	r persistent dizziness	Categ
12	R12DIZZY	r12dizzy:w12	r persistent dizziness	Categ
13	R13DIZZY	r13dizzy:w13	r persistent dizziness	Categ
14	R14DIZZY	r14dizzy:w14	r persistent dizziness	Categ
15	R15DIZZY	r15dizzy:w15	r persistent dizziness	Categ
03	S3DIZZY	s3dizzy:w3	s persistent dizziness	Categ
04	S4DIZZY	s4dizzy:w4	s persistent dizziness	Categ
05	S5DIZZY	s5dizzy:w5	s persistent dizziness	Categ
06	S6DIZZY	s6dizzy:w6	s persistent dizziness	Categ
07	S7DIZZY	s7dizzy:w7	s persistent dizziness	Categ
08	S8DIZZY	s8dizzy:w8	s persistent dizziness	Categ
09	S9DIZZY	s9dizzy:w9	s persistent dizziness	Categ
10	S10DIZZY	s10dizzy:w10	s persistent dizziness	Categ
11	S11DIZZY	s11dizzy:w11	s persistent dizziness	Categ
12	S12DIZZY	s12dizzy:w12	s persistent dizziness	Categ
13	S13DIZZY	s13dizzy:w13	s persistent dizziness	Categ
14	S14DIZZY	s14dizzy:w14	s persistent dizziness	Categ
15	S15DIZZY	s15dizzy:w15	s persistent dizziness	Categ
03	R3BACKP	r3backp:w3	r back pain	Categ
04	R4BACKP	r4backp:w4	r back pain	Categ
05	R5BACKP	r5backp:w5	r back pain	Categ
06	R6BACKP	r6backp:w6	r back pain	Categ
07	R7BACKP	r7backp:w7	r back pain	Categ
08	R8BACKP	r8backp:w8	r back pain	Categ
09	R9BACKP	r9backp:w9	r back pain	Categ
10	R10BACKP	r10backp:w10	r back pain	Categ
11	R11BACKP	r11backp:w11	r back pain	Categ
12	R12BACKP	r12backp:w12	r back pain	Categ
13	R13BACKP	r13backp:w13	r back pain	Categ
14	R14BACKP	r14backp:w14	r back pain	Categ
15	R15BACKP	r15backp:w15	r back pain	Categ
03	S3BACKP	s3backp:w3	s back pain	Categ
04	S4BACKP	s4backp:w4	s back pain	Categ
05	S5BACKP	s5backp:w5	s back pain	Categ
06	S6BACKP	s6backp:w6	s back pain	Categ
07	S7BACKP	s7backp:w7	s back pain	Categ
08	S8BACKP	s8backp:w8	s back pain	Categ
09	S9BACKP	s9backp:w9	s back pain	Categ
10	S10BACKP	s10backp:w10	s back pain	Categ
11	S11BACKP	s11backp:w11	s back pain	Categ
12	S12BACKP	s12backp:w12	s back pain	Categ
13	S13BACKP	s13backp:w13	s back pain	Categ
14	S14BACKP	s14backp:w14	s back pain	Categ
15	S15BACKP	s15backp:w15	s back pain	Categ
03	R3HEADACHE	r3headache:w3	r persistent headaches	Categ
04	R4HEADACHE	r4headache:w4	r persistent headaches	Categ
05	R5HEADACHE	r5headache:w5	r persistent headaches	Categ
06	R6HEADACHE	r6headache:w6	r persistent headaches	Categ
07	R7HEADACHE	r7headache:w7	r persistent headaches	Categ
08	R8HEADACHE	r8headache:w8	r persistent headaches	Categ
09	R9HEADACHE	r9headache:w9	r persistent headaches	Categ
10	R10HEADACHE	r10headache:w10	r persistent headaches	Categ



11	R11HEADACHE	r11headache:w11 r persistent headaches	Categ
12	R12HEADACHE	r12headache:w12 r persistent headaches	Categ
13	R13HEADACHE	r13headache:w13 r persistent headaches	Categ
14	R14HEADACHE	r14headache:w14 r persistent headaches	Categ
15	R15HEADACHE	r15headache:w15 r persistent headaches	Categ
03	S3HEADACHE	s3headache:w3 s persistent headaches	Categ
04	S4HEADACHE	s4headache:w4 s persistent headaches	Categ
05	S5HEADACHE	s5headache:w5 s persistent headaches	Categ
06	S6HEADACHE	s6headache:w6 s persistent headaches	Categ
07	S7HEADACHE	s7headache:w7 s persistent headaches	Categ
08	S8HEADACHE	s8headache:w8 s persistent headaches	Categ
09	S9HEADACHE	s9headache:w9 s persistent headaches	Categ
10	S10HEADACHE	s10headache:w10 s persistent headaches	Categ
11	S11HEADACHE	s11headache:w11 s persistent headaches	Categ
12	S12HEADACHE	s12headache:w12 s persistent headaches	Categ
13	S13HEADACHE	s13headache:w13 s persistent headaches	Categ
14	S14HEADACHE	s14headache:w14 s persistent headaches	Categ
15	S15HEADACHE	s15headache:w15 s persistent headaches	Categ
03	R3FATIGUE	r3fatigue:w3 r severe fatigue	Categ
04	R4FATIGUE	r4fatigue:w4 r severe fatigue	Categ
05	R5FATIGUE	r5fatigue:w5 r severe fatigue	Categ
06	R6FATIGUE	r6fatigue:w6 r severe fatigue	Categ
07	R7FATIGUE	r7fatigue:w7 r severe fatigue	Categ
08	R8FATIGUE	r8fatigue:w8 r severe fatigue	Categ
09	R9FATIGUE	r9fatigue:w9 r severe fatigue	Categ
10	R10FATIGUE	r10fatigue:w10 r severe fatigue	Categ
11	R11FATIGUE	r11fatigue:w11 r severe fatigue	Categ
12	R12FATIGUE	r12fatigue:w12 r severe fatigue	Categ
13	R13FATIGUE	r13fatigue:w13 r severe fatigue	Categ
14	R14FATIGUE	r14fatigue:w14 r severe fatigue	Categ
15	R15FATIGUE	r15fatigue:w15 r severe fatigue	Categ
03	S3FATIGUE	s3fatigue:w3 s severe fatigue	Categ
04	S4FATIGUE	s4fatigue:w4 s severe fatigue	Categ
05	S5FATIGUE	s5fatigue:w5 s severe fatigue	Categ
06	S6FATIGUE	s6fatigue:w6 s severe fatigue	Categ
07	S7FATIGUE	s7fatigue:w7 s severe fatigue	Categ
08	S8FATIGUE	s8fatigue:w8 s severe fatigue	Categ
09	S9FATIGUE	s9fatigue:w9 s severe fatigue	Categ
10	S10FATIGUE	s10fatigue:w10 s severe fatigue	Categ
11	S11FATIGUE	s11fatigue:w11 s severe fatigue	Categ
12	S12FATIGUE	s12fatigue:w12 s severe fatigue	Categ
13	S13FATIGUE	s13fatigue:w13 s severe fatigue	Categ
14	S14FATIGUE	s14fatigue:w14 s severe fatigue	Categ
15	S15FATIGUE	s15fatigue:w15 s severe fatigue	Categ
03	R3WHEEZE	r3wheeze:w3 r persistent wheezing	Categ
04	R4WHEEZE	r4wheeze:w4 r persistent wheezing	Categ
05	R5WHEEZE	r5wheeze:w5 r persistent wheezing	Categ
06	R6WHEEZE	r6wheeze:w6 r persistent wheezing	Categ
07	R7WHEEZE	r7wheeze:w7 r persistent wheezing	Categ
08	R8WHEEZE	r8wheeze:w8 r persistent wheezing	Categ
09	R9WHEEZE	r9wheeze:w9 r persistent wheezing	Categ
10	R10WHEEZE	r10wheeze:w10 r persistent wheezing	Categ
11	R11WHEEZE	r11wheeze:w11 r persistent wheezing	Categ
12	R12WHEEZE	r12wheeze:w12 r persistent wheezing	Categ
13	R13WHEEZE	r13wheeze:w13 r persistent wheezing	Categ
14	R14WHEEZE	r14wheeze:w14 r persistent wheezing	Categ
15	R15WHEEZE	r15wheeze:w15 r persistent wheezing	Categ
03	S3WHEEZE	s3wheeze:w3 s persistent wheezing	Categ

04	S4WHEEZE	s4wheeze:w4 s persistent wheezing	Categ
05	S5WHEEZE	s5wheeze:w5 s persistent wheezing	Categ
06	S6WHEEZE	s6wheeze:w6 s persistent wheezing	Categ
07	S7WHEEZE	s7wheeze:w7 s persistent wheezing	Categ
08	S8WHEEZE	s8wheeze:w8 s persistent wheezing	Categ
09	S9WHEEZE	s9wheeze:w9 s persistent wheezing	Categ
10	S10WHEEZE	s10wheeze:w10 s persistent wheezing	Categ
11	S11WHEEZE	s11wheeze:w11 s persistent wheezing	Categ
12	S12WHEEZE	s12wheeze:w12 s persistent wheezing	Categ
13	S13WHEEZE	s13wheeze:w13 s persistent wheezing	Categ
14	S14WHEEZE	s14wheeze:w14 s persistent wheezing	Categ
15	S15WHEEZE	s15wheeze:w15 s persistent wheezing	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3SWELL	17979	0.19	0.39	0.00	1.00
R4SWELL	5091	0.18	0.39	0.00	1.00
R5SWELL	19568	0.21	0.41	0.00	1.00
R6SWELL	231	0.19	0.39	0.00	1.00
R7SWELL	20113	0.21	0.41	0.00	1.00
R8SWELL	213	0.17	0.38	0.00	1.00
R9SWELL	17198	0.21	0.41	0.00	1.00
R10SWELL	6446	0.20	0.40	0.00	1.00
R11SWELL	20510	0.21	0.41	0.00	1.00
R12SWELL	182	0.23	0.42	0.00	1.00
R13SWELL	20883	0.22	0.42	0.00	1.00
R14SWELL	215	0.22	0.41	0.00	1.00
R15SWELL	15678	0.20	0.40	0.00	1.00
S3SWELL	11911	0.16	0.36	0.00	1.00
S4SWELL	3506	0.17	0.37	0.00	1.00
S5SWELL	12726	0.18	0.38	0.00	1.00
S6SWELL	214	0.19	0.39	0.00	1.00
S7SWELL	12961	0.18	0.38	0.00	1.00
S8SWELL	204	0.17	0.37	0.00	1.00
S9SWELL	10632	0.18	0.38	0.00	1.00
S10SWELL	4104	0.17	0.38	0.00	1.00
S11SWELL	12453	0.18	0.38	0.00	1.00
S12SWELL	171	0.22	0.42	0.00	1.00
S13SWELL	11765	0.18	0.39	0.00	1.00
S14SWELL	197	0.22	0.42	0.00	1.00
S15SWELL	8445	0.17	0.37	0.00	1.00
R3BREATH	17978	0.16	0.37	0.00	1.00
R4BREATH	5092	0.15	0.36	0.00	1.00
R5BREATH	19567	0.17	0.38	0.00	1.00
R6BREATH	231	0.18	0.39	0.00	1.00
R7BREATH	20113	0.17	0.38	0.00	1.00
R8BREATH	213	0.15	0.36	0.00	1.00
R9BREATH	17206	0.17	0.37	0.00	1.00
R10BREATH	6447	0.16	0.36	0.00	1.00
R11BREATH	20498	0.17	0.38	0.00	1.00
R12BREATH	183	0.20	0.40	0.00	1.00
R13BREATH	20861	0.17	0.37	0.00	1.00
R14BREATH	215	0.14	0.35	0.00	1.00
R15BREATH	15668	0.16	0.36	0.00	1.00
S3BREATH	11910	0.14	0.35	0.00	1.00
S4BREATH	3506	0.13	0.34	0.00	1.00
S5BREATH	12723	0.15	0.36	0.00	1.00
S6BREATH	214	0.19	0.39	0.00	1.00

S7BREATH	12959	0.15	0.36	0.00	1.00
S8BREATH	204	0.15	0.36	0.00	1.00
S9BREATH	10638	0.14	0.34	0.00	1.00
S10BREATH	4105	0.14	0.34	0.00	1.00
S11BREATH	12448	0.14	0.35	0.00	1.00
S12BREATH	172	0.20	0.40	0.00	1.00
S13BREATH	11762	0.14	0.35	0.00	1.00
S14BREATH	197	0.14	0.35	0.00	1.00
S15BREATH	8447	0.13	0.34	0.00	1.00
R3DIZZY	17971	0.11	0.31	0.00	1.00
R4DIZZY	5092	0.11	0.31	0.00	1.00
R5DIZZY	19558	0.12	0.33	0.00	1.00
R6DIZZY	231	0.13	0.34	0.00	1.00
R7DIZZY	20088	0.13	0.33	0.00	1.00
R8DIZZY	213	0.14	0.35	0.00	1.00
R9DIZZY	17190	0.12	0.32	0.00	1.00
R10DIZZY	6446	0.15	0.35	0.00	1.00
R11DIZZY	20503	0.14	0.34	0.00	1.00
R12DIZZY	182	0.15	0.36	0.00	1.00
R13DIZZY	20868	0.14	0.35	0.00	1.00
R14DIZZY	215	0.12	0.33	0.00	1.00
R15DIZZY	15641	0.12	0.33	0.00	1.00
S3DIZZY	11906	0.09	0.29	0.00	1.00
S4DIZZY	3506	0.09	0.28	0.00	1.00
S5DIZZY	12720	0.11	0.31	0.00	1.00
S6DIZZY	214	0.14	0.35	0.00	1.00
S7DIZZY	12951	0.11	0.32	0.00	1.00
S8DIZZY	204	0.14	0.35	0.00	1.00
S9DIZZY	10635	0.10	0.30	0.00	1.00
S10DIZZY	4105	0.13	0.34	0.00	1.00
S11DIZZY	12456	0.12	0.32	0.00	1.00
S12DIZZY	171	0.15	0.35	0.00	1.00
S13DIZZY	11764	0.12	0.33	0.00	1.00
S14DIZZY	197	0.12	0.32	0.00	1.00
S15DIZZY	8428	0.11	0.31	0.00	1.00
R3BACKP	17976	0.32	0.46	0.00	1.00
R4BACKP	5092	0.37	0.48	0.00	1.00
R5BACKP	19565	0.33	0.47	0.00	1.00
R6BACKP	231	0.41	0.49	0.00	1.00
R7BACKP	20100	0.37	0.48	0.00	1.00
R8BACKP	213	0.38	0.49	0.00	1.00
R9BACKP	17195	0.36	0.48	0.00	1.00
R10BACKP	6446	0.43	0.50	0.00	1.00
R11BACKP	20503	0.39	0.49	0.00	1.00
R12BACKP	182	0.49	0.50	0.00	1.00
R13BACKP	20855	0.43	0.50	0.00	1.00
R14BACKP	215	0.47	0.50	0.00	1.00
R15BACKP	15637	0.42	0.49	0.00	1.00
S3BACKP	11908	0.31	0.46	0.00	1.00
S4BACKP	3505	0.35	0.48	0.00	1.00
S5BACKP	12725	0.32	0.47	0.00	1.00
S6BACKP	214	0.42	0.49	0.00	1.00
S7BACKP	12958	0.36	0.48	0.00	1.00
S8BACKP	204	0.37	0.48	0.00	1.00
S9BACKP	10632	0.35	0.48	0.00	1.00
S10BACKP	4104	0.41	0.49	0.00	1.00
S11BACKP	12449	0.37	0.48	0.00	1.00
S12BACKP	171	0.47	0.50	0.00	1.00
S13BACKP	11753	0.42	0.49	0.00	1.00

S14BACKP	197	0.47	0.50	0.00	1.00
S15BACKP	8421	0.39	0.49	0.00	1.00
R3HEADACHE	17975	0.10	0.30	0.00	1.00
R4HEADACHE	5093	0.13	0.33	0.00	1.00
R5HEADACHE	19559	0.09	0.29	0.00	1.00
R6HEADACHE	231	0.16	0.37	0.00	1.00
R7HEADACHE	20101	0.10	0.31	0.00	1.00
R8HEADACHE	213	0.16	0.37	0.00	1.00
R9HEADACHE	17197	0.08	0.27	0.00	1.00
R10HEADACHE	6445	0.17	0.38	0.00	1.00
R11HEADACHE	20524	0.10	0.30	0.00	1.00
R12HEADACHE	183	0.20	0.40	0.00	1.00
R13HEADACHE	20884	0.12	0.32	0.00	1.00
R14HEADACHE	215	0.20	0.40	0.00	1.00
R15HEADACHE	15688	0.10	0.30	0.00	1.00
S3HEADACHE	11905	0.10	0.30	0.00	1.00
S4HEADACHE	3506	0.13	0.33	0.00	1.00
S5HEADACHE	12720	0.09	0.29	0.00	1.00
S6HEADACHE	214	0.16	0.37	0.00	1.00
S7HEADACHE	12959	0.10	0.31	0.00	1.00
S8HEADACHE	204	0.17	0.38	0.00	1.00
S9HEADACHE	10633	0.08	0.26	0.00	1.00
S10HEADACHE	4103	0.15	0.36	0.00	1.00
S11HEADACHE	12463	0.09	0.29	0.00	1.00
S12HEADACHE	172	0.20	0.40	0.00	1.00
S13HEADACHE	11768	0.11	0.31	0.00	1.00
S14HEADACHE	197	0.19	0.39	0.00	1.00
S15HEADACHE	8452	0.09	0.29	0.00	1.00
R3FATIGUE	17973	0.17	0.38	0.00	1.00
R4FATIGUE	5092	0.16	0.37	0.00	1.00
R5FATIGUE	19560	0.19	0.39	0.00	1.00
R6FATIGUE	231	0.21	0.41	0.00	1.00
R7FATIGUE	20085	0.20	0.40	0.00	1.00
R8FATIGUE	213	0.22	0.42	0.00	1.00
R9FATIGUE	17177	0.19	0.40	0.00	1.00
R10FATIGUE	6440	0.23	0.42	0.00	1.00
R11FATIGUE	20480	0.21	0.41	0.00	1.00
R12FATIGUE	183	0.24	0.43	0.00	1.00
R13FATIGUE	20833	0.22	0.42	0.00	1.00
R14FATIGUE	215	0.22	0.42	0.00	1.00
R15FATIGUE	15635	0.18	0.38	0.00	1.00
S3FATIGUE	11907	0.16	0.36	0.00	1.00
S4FATIGUE	3505	0.15	0.36	0.00	1.00
S5FATIGUE	12723	0.17	0.37	0.00	1.00
S6FATIGUE	214	0.21	0.41	0.00	1.00
S7FATIGUE	12946	0.18	0.38	0.00	1.00
S8FATIGUE	204	0.22	0.42	0.00	1.00
S9FATIGUE	10624	0.17	0.38	0.00	1.00
S10FATIGUE	4101	0.21	0.41	0.00	1.00
S11FATIGUE	12441	0.19	0.39	0.00	1.00
S12FATIGUE	172	0.23	0.42	0.00	1.00
S13FATIGUE	11741	0.20	0.40	0.00	1.00
S14FATIGUE	197	0.22	0.41	0.00	1.00
S15FATIGUE	8424	0.16	0.36	0.00	1.00
R3WHEEZE	17982	0.13	0.33	0.00	1.00
R4WHEEZE	5093	0.12	0.32	0.00	1.00
R5WHEEZE	19569	0.13	0.33	0.00	1.00
R6WHEEZE	231	0.14	0.35	0.00	1.00

R7WHEEZE	20117	0.14	0.35	0.00	1.00
R8WHEEZE	213	0.14	0.34	0.00	1.00
R9WHEEZE	17209	0.15	0.35	0.00	1.00
R10WHEEZE	6448	0.15	0.35	0.00	1.00
R11WHEEZE	20520	0.15	0.36	0.00	1.00
R12WHEEZE	183	0.19	0.39	0.00	1.00
R13WHEEZE	20874	0.16	0.37	0.00	1.00
R14WHEEZE	215	0.19	0.39	0.00	1.00
R15WHEEZE	15666	0.14	0.35	0.00	1.00
S3WHEEZE	11911	0.12	0.32	0.00	1.00
S4WHEEZE	3506	0.10	0.30	0.00	1.00
S5WHEEZE	12726	0.12	0.32	0.00	1.00
S6WHEEZE	214	0.14	0.34	0.00	1.00
S7WHEEZE	12963	0.13	0.34	0.00	1.00
S8WHEEZE	204	0.14	0.34	0.00	1.00
S9WHEEZE	10635	0.13	0.34	0.00	1.00
S10WHEEZE	4105	0.13	0.34	0.00	1.00
S11WHEEZE	12460	0.13	0.34	0.00	1.00
S12WHEEZE	172	0.18	0.39	0.00	1.00
S13WHEEZE	11760	0.14	0.35	0.00	1.00
S14WHEEZE	197	0.19	0.40	0.00	1.00
S15WHEEZE	8448	0.12	0.33	0.00	1.00

### Categorical Variable Codes

Value-----	R3SWELL	R4SWELL	R5SWELL
.d:DK	7	2	9
.m:Missing	2		
.r:Refuse	3		1
.s:skipped		16291	
0.no	14599	4157	15481
1.yes	3380	934	4087

Value-----	R6SWELL	R7SWELL	R8SWELL	R9SWELL	R10SWELL
.d:DK		14		17	1
.r:Refuse	1	2		2	3
.s:skipped	17933		18256		15584
0.no	187	15873	177	13610	5132
1.yes	44	4240	36	3588	1314

Value-----	R11SWELL	R12SWELL	R13SWELL	R14SWELL	R15SWELL
.d:DK	42	1	26		43
.m:Missing	1		2		
.r:Refuse	1		1		2
.s:skipped		18564		16931	
0.no	16113	141	16252	168	12480
1.yes	4397	41	4631	47	3198

Value-----	S3SWELL	S4SWELL	S5SWELL
.d:DK	2		3
.m:Missing	2		
.r:Refuse	1		1
.s:skipped		10472	
.u:not coupled	5659	6870	6537
.v:SP NR	416	536	311
0.no	10061	2925	10498
1.yes	1850	581	2228

Value-----	S6SWELL	S7SWELL	S8SWELL	S9SWELL	S10SWELL
.d:DK		7		6	1
.r:Refuse	1			2	2
.s:skipped	11417		11524		9401
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	173	10669	170	8764	3393
1.yes	41	2292	34	1868	711

Value-----	S11SWELL	S12SWELL	S13SWELL	S14SWELL	S15SWELL
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.d:DK	22	1	13		21
.m:Missing	1				
.s:skipped		10840		9161	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10222	133	9594	153	7023
1.yes	2231	38	2171	44	1422
Value-----			R3BREATH	R4BREATH	R5BREATH
.d:DK			8	1	10
.m:Missing			2		
.r:Refuse			3		1
.s:skipped				16291	
0.no			15056	4313	16154
1.yes			2922	779	3413
Value-----	R6BREATH	R7BREATH	R8BREATH	R9BREATH	R10BREATH
.d:DK		13		9	1
.r:Refuse	1	3		2	2
.s:skipped	17933		18256		15584
0.no	189	16619	181	14365	5429
1.yes	42	3494	32	2841	1018
Value-----	R11BREATH	R12BREATH	R13BREATH	R14BREATH	R15BREATH
.d:DK	52		40		52
.m:Missing	1		2		
.r:Refuse	3		9		3
.s:skipped		18564		16931	
0.no	16987	146	17367	184	13231
1.yes	3511	37	3494	31	2437
Value-----			S3BREATH	S4BREATH	S5BREATH
.d:DK			3		6
.m:Missing			2		
.r:Refuse			1		1
.s:skipped				10472	
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			10251	3047	10803
1.yes			1659	459	1920
Value-----	S6BREATH	S7BREATH	S8BREATH	S9BREATH	S10BREATH
.d:DK		9			1
.r:Refuse	1			2	1
.s:skipped	11417		11524		9401
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	174	11006	174	9182	3542
1.yes	40	1953	30	1456	563
Value-----	S11BREATH	S12BREATH	S13BREATH	S14BREATH	S15BREATH
.d:DK	27		15		17
.m:Missing	1				
.r:Refuse			1		2
.s:skipped		10840		9161	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10651	138	10107	169	7356
1.yes	1797	34	1655	28	1091
Value-----			R3DIZZY	R4DIZZY	R5DIZZY
.d:DK			15	1	18
.m:Missing			2		
.r:Refuse			3		2
.s:skipped				16291	
0.no			16021	4548	17165
1.yes			1950	544	2393
Value-----	R6DIZZY	R7DIZZY	R8DIZZY	R9DIZZY	R10DIZZY
.d:DK		37		25	2
.r:Refuse	1	4		2	2
.s:skipped	17933		18256		15584
0.no	200	17501	183	15135	5507
1.yes	31	2587	30	2055	939
Value-----	R11DIZZY	R12DIZZY	R13DIZZY	R14DIZZY	R15DIZZY

.d:DK	48	1	36		79
.m:Missing	1		2		
.r:Refuse	2		6		3
.s:skipped		18564		16931	
0.no	17689	155	17898	189	13729
1.yes	2814	27	2970	26	1912
Value-----			S3DIZZY	S4DIZZY	S5DIZZY
.d:DK			7		9
.m:Missing			2		
.r:Refuse			1		1
.s:skipped				10472	
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			10833	3201	11378
1.yes			1073	305	1342
Value-----	S6DIZZY	S7DIZZY	S8DIZZY	S9DIZZY	S10DIZZY
.d:DK		15		3	1
.r:Refuse	1	2		2	1
.s:skipped	11417		11524		9401
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	184	11501	175	9556	3576
1.yes	30	1450	29	1079	529
Value-----	S11DIZZY	S12DIZZY	S13DIZZY	S14DIZZY	S15DIZZY
.d:DK	19	1	13		37
.m:Missing	1				
.r:Refuse			1		1
.s:skipped		10840		9161	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10967	146	10319	174	7513
1.yes	1489	25	1445	23	915
Value-----			R3BACKP	R4BACKP	R5BACKP
.d:DK			9		11
.m:Missing			2		
.r:Refuse			4	1	2
.s:skipped				16291	
0.no			12313	3232	13090
1.yes			5663	1860	6475
Value-----	R6BACKP	R7BACKP	R8BACKP	R9BACKP	R10BACKP
.d:DK		27		20	3
.r:Refuse	1	2		2	1
.s:skipped	17933		18256		15584
0.no	136	12747	132	10954	3649
1.yes	95	7353	81	6241	2797
Value-----	R11BACKP	R12BACKP	R13BACKP	R14BACKP	R15BACKP
.d:DK	48	1	50		76
.m:Missing	1		2		
.r:Refuse	2		5		10
.s:skipped		18564		16931	
0.no	12475	93	11829	114	9139
1.yes	8028	89	9026	101	6498
Value-----			S3BACKP	S4BACKP	S5BACKP
.d:DK			4		4
.m:Missing			2		
.r:Refuse			2	1	1
.s:skipped				10472	
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			8259	2267	8629
1.yes			3649	1238	4096
Value-----	S6BACKP	S7BACKP	S8BACKP	S9BACKP	S10BACKP
.d:DK		10		6	2
.r:Refuse	1			2	1
.s:skipped	11417		11524		9401
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	124	8300	128	6919	2408

1.yes	90	4658	76	3713	1696
Value-----	S11BACKP	S12BACKP	S13BACKP	S14BACKP	S15BACKP
.d:DK	26	1	24		39
.m:Missing	1				
.r:Refuse			1		6
.s:skipped		10840		9161	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	7783	91	6869	105	5116
1.yes	4666	80	4884	92	3305
Value-----			R3HEADACHE	R4HEADACHE	R5HEADACHE
.d:DK			11		17
.m:Missing			2		
.r:Refuse			3		2
.s:skipped				16291	
0.no			16199	4438	17704
1.yes			1776	655	1855
Value-----	R6HEADACHE	R7HEADACHE	R8HEADACHE	R9HEADACHE	R10HEADACHE
.d:DK		25		18	3
.r:Refuse	1	3		2	2
.s:skipped	17933		18256		15584
0.no	193	18012	178	15798	5347
1.yes	38	2089	35	1399	1098
Value-----	R11HEADACHE	R12HEADACHE	R13HEADACHE	R14HEADACHE	R15HEADACHE
.d:DK	28		21		33
.m:Missing	1		2		
.r:Refuse	1		5		2
.s:skipped		18564		16931	
0.no	18483	147	18445	173	14161
1.yes	2041	36	2439	42	1527
Value-----			S3HEADACHE	S4HEADACHE	S5HEADACHE
.d:DK			8		9
.m:Missing			2		
.r:Refuse			1		1
.s:skipped				10472	
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			10755	3062	11533
1.yes			1150	444	1187
Value-----	S6HEADACHE	S7HEADACHE	S8HEADACHE	S9HEADACHE	S10HEADACHE
.d:DK		8		5	3
.r:Refuse	1	1		2	1
.s:skipped	11417		11524		9401
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	179	11611	169	9826	3469
1.yes	35	1348	35	807	634
Value-----	S11HEADACHE	S12HEADACHE	S13HEADACHE	S14HEADACHE	S15HEADACHE
.d:DK	12		9		14
.m:Missing	1				
.r:Refuse			1		
.s:skipped		10840		9161	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11301	138	10489	160	7686
1.yes	1162	34	1279	37	766
Value-----			R3FATIGUE	R4FATIGUE	R5FATIGUE
.d:DK			13	1	16
.m:Missing			2		
.r:Refuse			3		2
.s:skipped				16291	
0.no			14842	4254	15871
1.yes			3131	838	3689
Value-----	R6FATIGUE	R7FATIGUE	R8FATIGUE	R9FATIGUE	R10FATIGUE
.d:DK		41		38	7
.r:Refuse	1	3		2	3
.s:skipped	17933		18256		15584



0.no	182	16161	166	13847	4928
1.yes	49	3924	47	3330	1512
Value-----	R11FATIGUE	R12FATIGUE	R13FATIGUE	R14FATIGUE	R15FATIGUE
.d:DK	68		70		83
.m:Missing	1		3		
.r:Refuse	5		6		5
.s:skipped		18564		16931	
0.no	16163	139	16215	167	12825
1.yes	4317	44	4618	48	2810
Value-----			S3FATIGUE	S4FATIGUE	S5FATIGUE
.d:DK			6	1	6
.m:Missing			2		
.r:Refuse			1		1
.s:skipped				10472	
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			10038	2977	10602
1.yes			1869	528	2121
Value-----	S6FATIGUE	S7FATIGUE	S8FATIGUE	S9FATIGUE	S10FATIGUE
.d:DK		21		14	4
.r:Refuse	1	1		2	2
.s:skipped	11417		11524		9401
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	168	10654	159	8766	3238
1.yes	46	2292	45	1858	863
Value-----	S11FATIGUE	S12FATIGUE	S13FATIGUE	S14FATIGUE	S15FATIGUE
.d:DK	34		33		40
.m:Missing	1				
.r:Refuse			4		2
.s:skipped		10840		9161	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10063	132	9418	154	7117
1.yes	2378	40	2323	43	1307
Value-----			R3WHEEZE	R4WHEEZE	R5WHEEZE
.d:DK			4		7
.m:Missing			2		
.r:Refuse			3		2
.s:skipped				16291	
0.no			15667	4483	17062
1.yes			2315	610	2507
Value-----	R6WHEEZE	R7WHEEZE	R8WHEEZE	R9WHEEZE	R10WHEEZE
.d:DK		10		6	1
.r:Refuse	1	2		2	1
.s:skipped	17933		18256		15584
0.no	199	17228	184	14686	5497
1.yes	32	2889	29	2523	951
Value-----	R11WHEEZE	R12WHEEZE	R13WHEEZE	R14WHEEZE	R15WHEEZE
.d:DK	32		29		53
.m:Missing	1		3		
.r:Refuse	1		6		4
.s:skipped		18564		16931	
0.no	17385	149	17457	175	13424
1.yes	3135	34	3417	40	2242
Value-----			S3WHEEZE	S4WHEEZE	S5WHEEZE
.d:DK			2		3
.m:Missing			2		
.r:Refuse			1		1
.s:skipped				10472	
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			10514	3149	11260
1.yes			1397	357	1466
Value-----	S6WHEEZE	S7WHEEZE	S8WHEEZE	S9WHEEZE	S10WHEEZE
.d:DK		5		3	1
.r:Refuse	1			2	1

.s:skipped		11417		11524		9401
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
0.no		185	11280	176	9241	3573
1.yes		29	1683	28	1394	532
Value-----		S11WHEEZE	S12WHEEZE	S13WHEEZE	S14WHEEZE	S15WHEEZE
.d:DK		15		14		16
.m:Missing		1				
.r:Refuse				4		2
.s:skipped			10840		9161	
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		10787	141	10105	159	7408
1.yes		1673	31	1655	38	1040

## How Constructed:

RwSWELL, RwBREATH, RwDIZZY, RwBACKP, RwHEADACHE, RwFATIGUE, and RwwHEEZE indicate whether the respondent has experienced any persistent health problems in the last 2 years. These variables are available starting in Wave 3. These variables are coded as 0.no, and 1.yes. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. Starting in Wave 4 and in every even wave following, only new respondents are asked about the persistent health problems and returning respondents are assigned special missing .s. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwSWELL indicates whether the respondent has experienced persistent swelling in their feet or ankles. RwBREATH indicates whether the respondent has experienced shortness of breath while awake. RwDIZZY indicates whether the respondent has experienced persistent dizziness or lightheadedness. RwBACKP indicates whether the respondent has experienced back pain or problems. RwHEADACHE indicates whether the respondent has experienced persistent headaches. RwFATIGUE indicates whether the respondent has experienced severe fatigue or exhaustion. RwwHEEZE indicates whether the respondent has experienced persistent wheezing, cough, or bringing up phlegm.

SwSWELL, SwBREATH, SwDIZZY, SwBACKP, SwHEADACHE, SwFATIGUE, and SwWHEEZE indicate whether the respondent's current wave's spouse has experienced any persistent health problems, and are taken from RwsWELL, RwsBREATH, RwsDIZZY, RwsBACKP, RwsHEADACHE, RwsFATIGUE, and RwsWHEEZE. In addition to the special missing codes employed by RwsWELL, RwsBREATH, RwsDIZZY, RwsBACKP, RwsHEADACHE, RwsFATIGUE, and RwsWHEEZE, SwSWELL, SwBREATH, SwDIZZY, SwBACKP, SwHEADACHE, SwFATIGUE, and SwWHEEZE employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about persistent health problems begin in Wave 3, and so RwsWELL, RwsBREATH, RwsDIZZY, RwsBACKP, RwsHEADACHE, RwsFATIGUE, and RwwHEEZE are available starting in Wave 3. Starting in Wave 4 and continuing in every even-numbered wave, returning respondents are not asked about these persistent health problems and are assigned special missing .s. New respondents are asked about the persistent health problems in all available waves.

## HRS Variables Used:

### Wave 3 AHEAD:

D963	b23b.	symptoms-swelling feet
D964	b23c.	symptoms-short breath-day
D967	b23f.	symptoms-dizziness
D968	b23g.	symptoms-back pain
D969	b23h.	symptoms-headache
D972	b23m.	symptoms-severe fatigue or exhaus
D973	b23n.	symptoms-wheezing

### Wave 3 HRS:

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

## Wave 4:

F1092 alt\_wave question indicator  
 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

## Wave 5:

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

## Wave 6:

HC143 swelling feet/ankles  
 HC144 shortness of breath  
 HC145 ever been dizzy  
 HC146 back pain or problems  
 HC147 persistent headache  
 HC148 severe fatigue  
 HC149 persistent cough/wheeze/phlegm  
 HZ076 r ever interviewed

## Wave 7:

JC143 swelling feet/ankles  
 JC144 shortness of breath  
 JC145 ever been dizzy  
 JC146 back pain or problems  
 JC147 persistent headache  
 JC148 severe fatigue  
 JC149 persistent cough/wheeze/phlegm

## Wave 8:

KC143 swelling feet/ankles  
 KC144 shortness of breath  
 KC145 ever been dizzy  
 KC146 back pain or problems  
 KC147 persistent headache  
 KC148 severe fatigue  
 KC149 persistent cough/wheeze/phlegm  
 KZ076 r ever interviewed

## Wave 9:

LC143 swelling feet/ankles  
 LC144 shortness of breath  
 LC145 ever been dizzy  
 LC146 back pain or problems  
 LC147 persistent headache  
 LC148 severe fatigue  
 LC149 persistent cough/wheeze/phlegm

## Wave 10:

MC143 swelling feet/ankles  
 MC144 shortness of breath  
 MC145 ever been dizzy  
 MC146 back pain or problems  
 MC147 persistent headache  
 MC148 severe fatigue

MC149 persistent cough/wheeze/phlegm  
MZ076 r ever interviewed

Wave 11:  
NC143 swelling feet/ankles  
NC144 shortness of breath  
NC145 ever been dizzy  
NC146 back pain or problems  
NC147 persistent headache  
NC148 severe fatigue  
NC149 persistent cough/wheeze/phlegm

Wave 12:  
OC143 swelling feet/ankles  
OC144 shortness of breath  
OC145 ever been dizzy  
OC146 back pain or problems  
OC147 persistent headache  
OC148 severe fatigue  
OC149 persistent cough/wheeze/phlegm  
OZ076 r ever interviewed

Wave 13:  
PC143 swelling feet/ankles  
PC144 shortness of breath  
PC145 ever been dizzy  
PC146 back pain or problems  
PC147 persistent headache  
PC148 severe fatigue  
PC149 persistent cough/wheeze/phlegm  
PZ076 r ever interviewed

Wave 14:  
QC143 swelling feet/ankles  
QC144 shortness of breath  
QC145 ever been dizzy  
QC146 back pain or problems  
QC147 persistent headache  
QC148 severe fatigue  
QC149 persistent cough/wheeze/phlegm  
QZ076 r ever interviewed

Wave 15:  
RC143 swelling feet/ankles  
RC144 shortness of breath  
RC145 ever been dizzy  
RC146 back pain or problems  
RC147 persistent headache  
RC148 severe fatigue  
RC149 persistent cough/wheeze/phlegm  
RZ076 r ever interviewed

<b>Mobility Summaries</b>
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Wave	Variable	Label	Type
01	R1ADLFIVE	r1adlfive:w1 r 5-item adl summary/0-5	Cont
02	R2ADLFIVE	r2adlfive:w2 r 5-item adl summary/0-5	Cont
03	R3ADLFIVE	r3adlfive:w3 r 5-item adl summary/0-5	Cont
04	R4ADLFIVE	r4adlfive:w4 r 5-item adl summary/0-5	Cont
05	R5ADLFIVE	r5adlfive:w5 r 5-item adl summary/0-5	Cont
06	R6ADLFIVE	r6adlfive:w6 r 5-item adl summary/0-5	Cont
07	R7ADLFIVE	r7adlfive:w7 r 5-item adl summary/0-5	Cont
08	R8ADLFIVE	r8adlfive:w8 r 5-item adl summary/0-5	Cont
09	R9ADLFIVE	r9adlfive:w9 r 5-item adl summary/0-5	Cont
10	R10ADLFIVE	r10adlfive:w10 r 5-item adl summary/0-5	Cont
11	R11ADLFIVE	r11adlfive:w11 r 5-item adl summary/0-5	Cont
12	R12ADLFIVE	r12adlfive:w12 r 5-item adl summary/0-5	Cont
13	R13ADLFIVE	r13adlfive:w13 r 5-item adl summary/0-5	Cont
14	R14ADLFIVE	r14adlfive:w14 r 5-item adl summary/0-5	Cont
15	R15ADLFIVE	r15adlfive:w15 r 5-item adl summary/0-5	Cont
01	S1ADLFIVE	s1adlfive:w1 s 5-item adl summary/0-5	Cont
02	S2ADLFIVE	s2adlfive:w2 s 5-item adl summary/0-5	Cont
03	S3ADLFIVE	s3adlfive:w3 s 5-item adl summary/0-5	Cont
04	S4ADLFIVE	s4adlfive:w4 s 5-item adl summary/0-5	Cont
05	S5ADLFIVE	s5adlfive:w5 s 5-item adl summary/0-5	Cont
06	S6ADLFIVE	s6adlfive:w6 s 5-item adl summary/0-5	Cont
07	S7ADLFIVE	s7adlfive:w7 s 5-item adl summary/0-5	Cont
08	S8ADLFIVE	s8adlfive:w8 s 5-item adl summary/0-5	Cont
09	S9ADLFIVE	s9adlfive:w9 s 5-item adl summary/0-5	Cont
10	S10ADLFIVE	s10adlfive:w10 s 5-item adl summary/0-5	Cont
11	S11ADLFIVE	s11adlfive:w11 s 5-item adl summary/0-5	Cont
12	S12ADLFIVE	s12adlfive:w12 s 5-item adl summary/0-5	Cont
13	S13ADLFIVE	s13adlfive:w13 s 5-item adl summary/0-5	Cont
14	S14ADLFIVE	s14adlfive:w14 s 5-item adl summary/0-5	Cont
15	S15ADLFIVE	s15adlfive:w15 s 5-item adl summary/0-5	Cont
01	R1ADLFIVEM	r1adlfivem:w1 r missings in 5-item adl summary	Cont
02	R2ADLFIVEM	r2adlfivem:w2 r missings in 5-item adl summary	Cont
03	R3ADLFIVEM	r3adlfivem:w3 r missings in 5-item adl summary	Cont
04	R4ADLFIVEM	r4adlfivem:w4 r missings in 5-item adl summary	Cont
05	R5ADLFIVEM	r5adlfivem:w5 r missings in 5-item adl summary	Cont
06	R6ADLFIVEM	r6adlfivem:w6 r missings in 5-item adl summary	Cont
07	R7ADLFIVEM	r7adlfivem:w7 r missings in 5-item adl summary	Cont
08	R8ADLFIVEM	r8adlfivem:w8 r missings in 5-item adl summary	Cont
09	R9ADLFIVEM	r9adlfivem:w9 r missings in 5-item adl summary	Cont
10	R10ADLFIVEM	r10adlfivem:w10 r missings in 5-item adl summary	Cont
11	R11ADLFIVEM	r11adlfivem:w11 r missings in 5-item adl summary	Cont
12	R12ADLFIVEM	r12adlfivem:w12 r missings in 5-item adl summary	Cont
13	R13ADLFIVEM	r13adlfivem:w13 r missings in 5-item adl summary	Cont
14	R14ADLFIVEM	r14adlfivem:w14 r missings in 5-item adl summary	Cont
15	R15ADLFIVEM	r15adlfivem:w15 r missings in 5-item adl summary	Cont
01	S1ADLFIVEM	s1adlfivem:w1 s missings in 5-item adl summary	Cont
02	S2ADLFIVEM	s2adlfivem:w2 s missings in 5-item adl summary	Cont
03	S3ADLFIVEM	s3adlfivem:w3 s missings in 5-item adl summary	Cont
04	S4ADLFIVEM	s4adlfivem:w4 s missings in 5-item adl summary	Cont
05	S5ADLFIVEM	s5adlfivem:w5 s missings in 5-item adl summary	Cont
06	S6ADLFIVEM	s6adlfivem:w6 s missings in 5-item adl summary	Cont
07	S7ADLFIVEM	s7adlfivem:w7 s missings in 5-item adl summary	Cont
08	S8ADLFIVEM	s8adlfivem:w8 s missings in 5-item adl summary	Cont
09	S9ADLFIVEM	s9adlfivem:w9 s missings in 5-item adl summary	Cont

10	S10ADLFIVEM	s10adlfivem:w10	s	missings in 5-item adl summary	Cont
11	S11ADLFIVEM	s11adlfivem:w11	s	missings in 5-item adl summary	Cont
12	S12ADLFIVEM	s12adlfivem:w12	s	missings in 5-item adl summary	Cont
13	S13ADLFIVEM	s13adlfivem:w13	s	missings in 5-item adl summary	Cont
14	S14ADLFIVEM	s14adlfivem:w14	s	missings in 5-item adl summary	Cont
15	S15ADLFIVEM	s15adlfivem:w15	s	missings in 5-item adl summary	Cont
01	R1ADLFIVEA	r1adlfivea:w1	r	whether has any diff 5-item adls	Categ
02	R2ADLFIVEA	r2adlfivea:w2	r	whether has any diff 5-item adls	Categ
03	R3ADLFIVEA	r3adlfivea:w3	r	whether has any diff 5-item adls	Categ
04	R4ADLFIVEA	r4adlfivea:w4	r	whether has any diff 5-item adls	Categ
05	R5ADLFIVEA	r5adlfivea:w5	r	whether has any diff 5-item adls	Categ
06	R6ADLFIVEA	r6adlfivea:w6	r	whether has any diff 5-item adls	Categ
07	R7ADLFIVEA	r7adlfivea:w7	r	whether has any diff 5-item adls	Categ
08	R8ADLFIVEA	r8adlfivea:w8	r	whether has any diff 5-item adls	Categ
09	R9ADLFIVEA	r9adlfivea:w9	r	whether has any diff 5-item adls	Categ
10	R10ADLFIVEA	r10adlfivea:w10	r	whether has any diff 5-item adls	Categ
11	R11ADLFIVEA	r11adlfivea:w11	r	whether has any diff 5-item adls	Categ
12	R12ADLFIVEA	r12adlfivea:w12	r	whether has any diff 5-item adls	Categ
13	R13ADLFIVEA	r13adlfivea:w13	r	whether has any diff 5-item adls	Categ
14	R14ADLFIVEA	r14adlfivea:w14	r	whether has any diff 5-item adls	Categ
15	R15ADLFIVEA	r15adlfivea:w15	r	whether has any diff 5-item adls	Categ
01	S1ADLFIVEA	s1adlfivea:w1	s	whether has any diff 5-item adls	Categ
02	S2ADLFIVEA	s2adlfivea:w2	s	whether has any diff 5-item adls	Categ
03	S3ADLFIVEA	s3adlfivea:w3	s	whether has any diff 5-item adls	Categ
04	S4ADLFIVEA	s4adlfivea:w4	s	whether has any diff 5-item adls	Categ
05	S5ADLFIVEA	s5adlfivea:w5	s	whether has any diff 5-item adls	Categ
06	S6ADLFIVEA	s6adlfivea:w6	s	whether has any diff 5-item adls	Categ
07	S7ADLFIVEA	s7adlfivea:w7	s	whether has any diff 5-item adls	Categ
08	S8ADLFIVEA	s8adlfivea:w8	s	whether has any diff 5-item adls	Categ
09	S9ADLFIVEA	s9adlfivea:w9	s	whether has any diff 5-item adls	Categ
10	S10ADLFIVEA	s10adlfivea:w10	s	whether has any diff 5-item adls	Categ
11	S11ADLFIVEA	s11adlfivea:w11	s	whether has any diff 5-item adls	Categ
12	S12ADLFIVEA	s12adlfivea:w12	s	whether has any diff 5-item adls	Categ
13	S13ADLFIVEA	s13adlfivea:w13	s	whether has any diff 5-item adls	Categ
14	S14ADLFIVEA	s14adlfivea:w14	s	whether has any diff 5-item adls	Categ
15	S15ADLFIVEA	s15adlfivea:w15	s	whether has any diff 5-item adls	Categ
01	R1ADLTOT6	r1adltot6:w1	r	some diff-total adls/0-6	Cont
02	R2ADLTOT6	r2adltot6:w2	r	some diff-total adls/0-6	Cont
03	R3ADLTOT6	r3adltot6:w3	r	some diff-total adls/0-6	Cont
04	R4ADLTOT6	r4adltot6:w4	r	some diff-total adls/0-6	Cont
05	R5ADLTOT6	r5adltot6:w5	r	some diff-total adls/0-6	Cont
06	R6ADLTOT6	r6adltot6:w6	r	some diff-total adls/0-6	Cont
07	R7ADLTOT6	r7adltot6:w7	r	some diff-total adls/0-6	Cont
08	R8ADLTOT6	r8adltot6:w8	r	some diff-total adls/0-6	Cont
09	R9ADLTOT6	r9adltot6:w9	r	some diff-total adls/0-6	Cont
10	R10ADLTOT6	r10adltot6:w10	r	some diff-total adls/0-6	Cont
11	R11ADLTOT6	r11adltot6:w11	r	some diff-total adls/0-6	Cont
12	R12ADLTOT6	r12adltot6:w12	r	some diff-total adls/0-6	Cont
13	R13ADLTOT6	r13adltot6:w13	r	some diff-total adls/0-6	Cont
14	R14ADLTOT6	r14adltot6:w14	r	some diff-total adls/0-6	Cont
15	R15ADLTOT6	r15adltot6:w15	r	some diff-total adls/0-6	Cont
01	S1ADLTOT6	s1adltot6:w1	s	some diff-total adls/0-6	Cont
02	S2ADLTOT6	s2adltot6:w2	s	some diff-total adls/0-6	Cont
03	S3ADLTOT6	s3adltot6:w3	s	some diff-total adls/0-6	Cont
04	S4ADLTOT6	s4adltot6:w4	s	some diff-total adls/0-6	Cont
05	S5ADLTOT6	s5adltot6:w5	s	some diff-total adls/0-6	Cont
06	S6ADLTOT6	s6adltot6:w6	s	some diff-total adls/0-6	Cont
07	S7ADLTOT6	s7adltot6:w7	s	some diff-total adls/0-6	Cont
08	S8ADLTOT6	s8adltot6:w8	s	some diff-total adls/0-6	Cont

09	S9ADLTOT6	s9adltot6:w9	s	some diff-total adls/0-6	Cont
10	S10ADLTOT6	s10adltot6:w10	s	some diff-total adls/0-6	Cont
11	S11ADLTOT6	s11adltot6:w11	s	some diff-total adls/0-6	Cont
12	S12ADLTOT6	s12adltot6:w12	s	some diff-total adls/0-6	Cont
13	S13ADLTOT6	s13adltot6:w13	s	some diff-total adls/0-6	Cont
14	S14ADLTOT6	s14adltot6:w14	s	some diff-total adls/0-6	Cont
15	S15ADLTOT6	s15adltot6:w15	s	some diff-total adls/0-6	Cont
01	R1ADLTOT6M	r1adltot6m:w1	r	missings in 6-item total adl summary	Cont
02	R2ADLTOT6M	r2adltot6m:w2	r	missings in 6-item total adl summary	Cont
03	R3ADLTOT6M	r3adltot6m:w3	r	missings in 6-item total adl summary	Cont
04	R4ADLTOT6M	r4adltot6m:w4	r	missings in 6-item total adl summary	Cont
05	R5ADLTOT6M	r5adltot6m:w5	r	missings in 6-item total adl summary	Cont
06	R6ADLTOT6M	r6adltot6m:w6	r	missings in 6-item total adl summary	Cont
07	R7ADLTOT6M	r7adltot6m:w7	r	missings in 6-item total adl summary	Cont
08	R8ADLTOT6M	r8adltot6m:w8	r	missings in 6-item total adl summary	Cont
09	R9ADLTOT6M	r9adltot6m:w9	r	missings in 6-item total adl summary	Cont
10	R10ADLTOT6M	r10adltot6m:w10	r	missings in 6-item total adl summary	Cont
11	R11ADLTOT6M	r11adltot6m:w11	r	missings in 6-item total adl summary	Cont
12	R12ADLTOT6M	r12adltot6m:w12	r	missings in 6-item total adl summary	Cont
13	R13ADLTOT6M	r13adltot6m:w13	r	missings in 6-item total adl summary	Cont
14	R14ADLTOT6M	r14adltot6m:w14	r	missings in 6-item total adl summary	Cont
15	R15ADLTOT6M	r15adltot6m:w15	r	missings in 6-item total adl summary	Cont
01	S1ADLTOT6M	s1adltot6m:w1	s	missings in 6-item total adl summary	Cont
02	S2ADLTOT6M	s2adltot6m:w2	s	missings in 6-item total adl summary	Cont
03	S3ADLTOT6M	s3adltot6m:w3	s	missings in 6-item total adl summary	Cont
04	S4ADLTOT6M	s4adltot6m:w4	s	missings in 6-item total adl summary	Cont
05	S5ADLTOT6M	s5adltot6m:w5	s	missings in 6-item total adl summary	Cont
06	S6ADLTOT6M	s6adltot6m:w6	s	missings in 6-item total adl summary	Cont
07	S7ADLTOT6M	s7adltot6m:w7	s	missings in 6-item total adl summary	Cont
08	S8ADLTOT6M	s8adltot6m:w8	s	missings in 6-item total adl summary	Cont
09	S9ADLTOT6M	s9adltot6m:w9	s	missings in 6-item total adl summary	Cont
10	S10ADLTOT6M	s10adltot6m:w10	s	missings in 6-item total adl summary	Cont
11	S11ADLTOT6M	s11adltot6m:w11	s	missings in 6-item total adl summary	Cont
12	S12ADLTOT6M	s12adltot6m:w12	s	missings in 6-item total adl summary	Cont
13	S13ADLTOT6M	s13adltot6m:w13	s	missings in 6-item total adl summary	Cont
14	S14ADLTOT6M	s14adltot6m:w14	s	missings in 6-item total adl summary	Cont
15	S15ADLTOT6M	s15adltot6m:w15	s	missings in 6-item total adl summary	Cont
01	R1ADLTOT6A	r1adltot6a:w1	r	whether has any diff-6 total adls	Categ
02	R2ADLTOT6A	r2adltot6a:w2	r	whether has any diff-6 total adls	Categ
03	R3ADLTOT6A	r3adltot6a:w3	r	whether has any diff-6 total adls	Categ
04	R4ADLTOT6A	r4adltot6a:w4	r	whether has any diff-6 total adls	Categ
05	R5ADLTOT6A	r5adltot6a:w5	r	whether has any diff-6 total adls	Categ
06	R6ADLTOT6A	r6adltot6a:w6	r	whether has any diff-6 total adls	Categ
07	R7ADLTOT6A	r7adltot6a:w7	r	whether has any diff-6 total adls	Categ
08	R8ADLTOT6A	r8adltot6a:w8	r	whether has any diff-6 total adls	Categ
09	R9ADLTOT6A	r9adltot6a:w9	r	whether has any diff-6 total adls	Categ
10	R10ADLTOT6A	r10adltot6a:w10	r	whether has any diff-6 total adls	Categ
11	R11ADLTOT6A	r11adltot6a:w11	r	whether has any diff-6 total adls	Categ
12	R12ADLTOT6A	r12adltot6a:w12	r	whether has any diff-6 total adls	Categ
13	R13ADLTOT6A	r13adltot6a:w13	r	whether has any diff-6 total adls	Categ
14	R14ADLTOT6A	r14adltot6a:w14	r	whether has any diff-6 total adls	Categ
15	R15ADLTOT6A	r15adltot6a:w15	r	whether has any diff-6 total adls	Categ
01	S1ADLTOT6A	s1adltot6a:w1	s	whether has any diff-6 total adls	Categ
02	S2ADLTOT6A	s2adltot6a:w2	s	whether has any diff-6 total adls	Categ
03	S3ADLTOT6A	s3adltot6a:w3	s	whether has any diff-6 total adls	Categ
04	S4ADLTOT6A	s4adltot6a:w4	s	whether has any diff-6 total adls	Categ
05	S5ADLTOT6A	s5adltot6a:w5	s	whether has any diff-6 total adls	Categ
06	S6ADLTOT6A	s6adltot6a:w6	s	whether has any diff-6 total adls	Categ
07	S7ADLTOT6A	s7adltot6a:w7	s	whether has any diff-6 total adls	Categ

08	S8ADLTOT6A	s8adltot6a:w8	s	whether has any diff-6 total adls	Categ
09	S9ADLTOT6A	s9adltot6a:w9	s	whether has any diff-6 total adls	Categ
10	S10ADLTOT6A	s10adltot6a:w10	s	whether has any diff-6 total adls	Categ
11	S11ADLTOT6A	s11adltot6a:w11	s	whether has any diff-6 total adls	Categ
12	S12ADLTOT6A	s12adltot6a:w12	s	whether has any diff-6 total adls	Categ
13	S13ADLTOT6A	s13adltot6a:w13	s	whether has any diff-6 total adls	Categ
14	S14ADLTOT6A	s14adltot6a:w14	s	whether has any diff-6 total adls	Categ
15	S15ADLTOT6A	s15adltot6a:w15	s	whether has any diff-6 total adls	Categ
02	R2IADLF0UR	r2iadlfour:w2	r	some diff-iadls/0-4	Cont
03	R3IADLF0UR	r3iadlfour:w3	r	some diff-iadls/0-4	Cont
04	R4IADLF0UR	r4iadlfour:w4	r	some diff-iadls/0-4	Cont
05	R5IADLF0UR	r5iadlfour:w5	r	some diff-iadls/0-4	Cont
06	R6IADLF0UR	r6iadlfour:w6	r	some diff-iadls/0-4	Cont
07	R7IADLF0UR	r7iadlfour:w7	r	some diff-iadls/0-4	Cont
08	R8IADLF0UR	r8iadlfour:w8	r	some diff-iadls/0-4	Cont
09	R9IADLF0UR	r9iadlfour:w9	r	some diff-iadls/0-4	Cont
10	R10IADLF0UR	r10iadlfour:w10	r	some diff-iadls/0-4	Cont
11	R11IADLF0UR	r11iadlfour:w11	r	some diff-iadls/0-4	Cont
12	R12IADLF0UR	r12iadlfour:w12	r	some diff-iadls/0-4	Cont
13	R13IADLF0UR	r13iadlfour:w13	r	some diff-iadls/0-4	Cont
14	R14IADLF0UR	r14iadlfour:w14	r	some diff-iadls/0-4	Cont
15	R15IADLF0UR	r15iadlfour:w15	r	some diff-iadls/0-4	Cont
02	S2IADLF0UR	s2iadlfour:w2	s	some diff-iadls/0-4	Cont
03	S3IADLF0UR	s3iadlfour:w3	s	some diff-iadls/0-4	Cont
04	S4IADLF0UR	s4iadlfour:w4	s	some diff-iadls/0-4	Cont
05	S5IADLF0UR	s5iadlfour:w5	s	some diff-iadls/0-4	Cont
06	S6IADLF0UR	s6iadlfour:w6	s	some diff-iadls/0-4	Cont
07	S7IADLF0UR	s7iadlfour:w7	s	some diff-iadls/0-4	Cont
08	S8IADLF0UR	s8iadlfour:w8	s	some diff-iadls/0-4	Cont
09	S9IADLF0UR	s9iadlfour:w9	s	some diff-iadls/0-4	Cont
10	S10IADLF0UR	s10iadlfour:w10	s	some diff-iadls/0-4	Cont
11	S11IADLF0UR	s11iadlfour:w11	s	some diff-iadls/0-4	Cont
12	S12IADLF0UR	s12iadlfour:w12	s	some diff-iadls/0-4	Cont
13	S13IADLF0UR	s13iadlfour:w13	s	some diff-iadls/0-4	Cont
14	S14IADLF0UR	s14iadlfour:w14	s	some diff-iadls/0-4	Cont
15	S15IADLF0UR	s15iadlfour:w15	s	some diff-iadls/0-4	Cont
02	R2IADLF0URM	r2iadlfourm:w2	r	missings in 4-item iadl summary	Cont
03	R3IADLF0URM	r3iadlfourm:w3	r	missings in 4-item iadl summary	Cont
04	R4IADLF0URM	r4iadlfourm:w4	r	missings in 4-item iadl summary	Cont
05	R5IADLF0URM	r5iadlfourm:w5	r	missings in 4-item iadl summary	Cont
06	R6IADLF0URM	r6iadlfourm:w6	r	missings in 4-item iadl summary	Cont
07	R7IADLF0URM	r7iadlfourm:w7	r	missings in 4-item iadl summary	Cont
08	R8IADLF0URM	r8iadlfourm:w8	r	missings in 4-item iadl summary	Cont
09	R9IADLF0URM	r9iadlfourm:w9	r	missings in 4-item iadl summary	Cont
10	R10IADLF0URM	r10iadlfourm:w10	r	missings in 4-item iadl summary	Cont
11	R11IADLF0URM	r11iadlfourm:w11	r	missings in 4-item iadl summary	Cont
12	R12IADLF0URM	r12iadlfourm:w12	r	missings in 4-item iadl summary	Cont
13	R13IADLF0URM	r13iadlfourm:w13	r	missings in 4-item iadl summary	Cont
14	R14IADLF0URM	r14iadlfourm:w14	r	missings in 4-item iadl summary	Cont
15	R15IADLF0URM	r15iadlfourm:w15	r	missings in 4-item iadl summary	Cont
02	S2IADLF0URM	s2iadlfourm:w2	s	missings in 4-item iadl summary	Cont
03	S3IADLF0URM	s3iadlfourm:w3	s	missings in 4-item iadl summary	Cont
04	S4IADLF0URM	s4iadlfourm:w4	s	missings in 4-item iadl summary	Cont
05	S5IADLF0URM	s5iadlfourm:w5	s	missings in 4-item iadl summary	Cont
06	S6IADLF0URM	s6iadlfourm:w6	s	missings in 4-item iadl summary	Cont
07	S7IADLF0URM	s7iadlfourm:w7	s	missings in 4-item iadl summary	Cont
08	S8IADLF0URM	s8iadlfourm:w8	s	missings in 4-item iadl summary	Cont
09	S9IADLF0URM	s9iadlfourm:w9	s	missings in 4-item iadl summary	Cont
10	S10IADLF0URM	s10iadlfourm:w10	s	missings in 4-item iadl summary	Cont



11	S11IADLF0URM	s11iadlfourm:w11	s	missings in 4-item iadl summary	Cont
12	S12IADLF0URM	s12iadlfourm:w12	s	missings in 4-item iadl summary	Cont
13	S13IADLF0URM	s13iadlfourm:w13	s	missings in 4-item iadl summary	Cont
14	S14IADLF0URM	s14iadlfourm:w14	s	missings in 4-item iadl summary	Cont
15	S15IADLF0URM	s15iadlfourm:w15	s	missings in 4-item iadl summary	Cont
02	R2IADLF0URA	r2iadlfoura:w2	r	whether has any diff 4-item iadls	Categ
03	R3IADLF0URA	r3iadlfoura:w3	r	whether has any diff 4-item iadls	Categ
04	R4IADLF0URA	r4iadlfoura:w4	r	whether has any diff 4-item iadls	Categ
05	R5IADLF0URA	r5iadlfoura:w5	r	whether has any diff 4-item iadls	Categ
06	R6IADLF0URA	r6iadlfoura:w6	r	whether has any diff 4-item iadls	Categ
07	R7IADLF0URA	r7iadlfoura:w7	r	whether has any diff 4-item iadls	Categ
08	R8IADLF0URA	r8iadlfoura:w8	r	whether has any diff 4-item iadls	Categ
09	R9IADLF0URA	r9iadlfoura:w9	r	whether has any diff 4-item iadls	Categ
10	R10IADLF0URA	r10iadlfoura:w10	r	whether has any diff 4-item iadls	Categ
11	R11IADLF0URA	r11iadlfoura:w11	r	whether has any diff 4-item iadls	Categ
12	R12IADLF0URA	r12iadlfoura:w12	r	whether has any diff 4-item iadls	Categ
13	R13IADLF0URA	r13iadlfoura:w13	r	whether has any diff 4-item iadls	Categ
14	R14IADLF0URA	r14iadlfoura:w14	r	whether has any diff 4-item iadls	Categ
15	R15IADLF0URA	r15iadlfoura:w15	r	whether has any diff 4-item iadls	Categ
02	S2IADLF0URA	s2iadlfoura:w2	s	whether has any diff 4-item iadls	Categ
03	S3IADLF0URA	s3iadlfoura:w3	s	whether has any diff 4-item iadls	Categ
04	S4IADLF0URA	s4iadlfoura:w4	s	whether has any diff 4-item iadls	Categ
05	S5IADLF0URA	s5iadlfoura:w5	s	whether has any diff 4-item iadls	Categ
06	S6IADLF0URA	s6iadlfoura:w6	s	whether has any diff 4-item iadls	Categ
07	S7IADLF0URA	s7iadlfoura:w7	s	whether has any diff 4-item iadls	Categ
08	S8IADLF0URA	s8iadlfoura:w8	s	whether has any diff 4-item iadls	Categ
09	S9IADLF0URA	s9iadlfoura:w9	s	whether has any diff 4-item iadls	Categ
10	S10IADLF0URA	s10iadlfoura:w10	s	whether has any diff 4-item iadls	Categ
11	S11IADLF0URA	s11iadlfoura:w11	s	whether has any diff 4-item iadls	Categ
12	S12IADLF0URA	s12iadlfoura:w12	s	whether has any diff 4-item iadls	Categ
13	S13IADLF0URA	s13iadlfoura:w13	s	whether has any diff 4-item iadls	Categ
14	S14IADLF0URA	s14iadlfoura:w14	s	whether has any diff 4-item iadls	Categ
15	S15IADLF0URA	s15iadlfoura:w15	s	whether has any diff 4-item iadls	Categ
02	R2IADLTOT_H	r2iadltot_h:w2	r	any diff-total iadls/0-6	Cont
03	R3IADLTOT_H	r3iadltot_h:w3	r	any diff-total iadls/0-6	Cont
04	R4IADLTOT_H	r4iadltot_h:w4	r	any diff-total iadls/0-6	Cont
05	R5IADLTOT_H	r5iadltot_h:w5	r	any diff-total iadls/0-6	Cont
06	R6IADLTOT_H	r6iadltot_h:w6	r	any diff-total iadls/0-6	Cont
07	R7IADLTOT_H	r7iadltot_h:w7	r	any diff-total iadls/0-6	Cont
08	R8IADLTOT_H	r8iadltot_h:w8	r	any diff-total iadls/0-6	Cont
09	R9IADLTOT_H	r9iadltot_h:w9	r	any diff-total iadls/0-6	Cont
10	R10IADLTOT_H	r10iadltot_h:w10	r	any diff-total iadls/0-6	Cont
11	R11IADLTOT_H	r11iadltot_h:w11	r	any diff-total iadls/0-6	Cont
12	R12IADLTOT_H	r12iadltot_h:w12	r	any diff-total iadls/0-6	Cont
13	R13IADLTOT_H	r13iadltot_h:w13	r	any diff-total iadls/0-6	Cont
14	R14IADLTOT_H	r14iadltot_h:w14	r	any diff-total iadls/0-6	Cont
15	R15IADLTOT_H	r15iadltot_h:w15	r	any diff-total iadls/0-6	Cont
02	S2IADLTOT_H	s2iadltot_h:w2	s	any diff-total iadls/0-6	Cont
03	S3IADLTOT_H	s3iadltot_h:w3	s	any diff-total iadls/0-6	Cont
04	S4IADLTOT_H	s4iadltot_h:w4	s	any diff-total iadls/0-6	Cont
05	S5IADLTOT_H	s5iadltot_h:w5	s	any diff-total iadls/0-6	Cont
06	S6IADLTOT_H	s6iadltot_h:w6	s	any diff-total iadls/0-6	Cont
07	S7IADLTOT_H	s7iadltot_h:w7	s	any diff-total iadls/0-6	Cont
08	S8IADLTOT_H	s8iadltot_h:w8	s	any diff-total iadls/0-6	Cont
09	S9IADLTOT_H	s9iadltot_h:w9	s	any diff-total iadls/0-6	Cont
10	S10IADLTOT_H	s10iadltot_h:w10	s	any diff-total iadls/0-6	Cont
11	S11IADLTOT_H	s11iadltot_h:w11	s	any diff-total iadls/0-6	Cont
12	S12IADLTOT_H	s12iadltot_h:w12	s	any diff-total iadls/0-6	Cont
13	S13IADLTOT_H	s13iadltot_h:w13	s	any diff-total iadls/0-6	Cont

14	S14IADLTOT_H	s14iadltot_h:w14	s any diff-total iadls/0-6	Cont
15	S15IADLTOT_H	s15iadltot_h:w15	s any diff-total iadls/0-6	Cont
02	R2IADLTOTM_H	r2iadltotm_h:w2	r missings in 6-item total iadl summary	Cont
03	R3IADLTOTM_H	r3iadltotm_h:w3	r missings in 6-item total iadl summary	Cont
04	R4IADLTOTM_H	r4iadltotm_h:w4	r missings in 6-item total iadl summary	Cont
05	R5IADLTOTM_H	r5iadltotm_h:w5	r missings in 6-item total iadl summary	Cont
06	R6IADLTOTM_H	r6iadltotm_h:w6	r missings in 6-item total iadl summary	Cont
07	R7IADLTOTM_H	r7iadltotm_h:w7	r missings in 6-item total iadl summary	Cont
08	R8IADLTOTM_H	r8iadltotm_h:w8	r missings in 6-item total iadl summary	Cont
09	R9IADLTOTM_H	r9iadltotm_h:w9	r missings in 6-item total iadl summary	Cont
10	R10IADLTOTM_H	r10iadltotm_h:w10	r missings in 6-item total iadl summary	Cont
11	R11IADLTOTM_H	r11iadltotm_h:w11	r missings in 6-item total iadl summary	Cont
12	R12IADLTOTM_H	r12iadltotm_h:w12	r missings in 6-item total iadl summary	Cont
13	R13IADLTOTM_H	r13iadltotm_h:w13	r missings in 6-item total iadl summary	Cont
14	R14IADLTOTM_H	r14iadltotm_h:w14	r missings in 6-item total iadl summary	Cont
15	R15IADLTOTM_H	r15iadltotm_h:w15	r missings in 6-item total iadl summary	Cont
02	S2IADLTOTM_H	s2iadltotm_h:w2	s missings in 6-item total iadl summary	Cont
03	S3IADLTOTM_H	s3iadltotm_h:w3	s missings in 6-item total iadl summary	Cont
04	S4IADLTOTM_H	s4iadltotm_h:w4	s missings in 6-item total iadl summary	Cont
05	S5IADLTOTM_H	s5iadltotm_h:w5	s missings in 6-item total iadl summary	Cont
06	S6IADLTOTM_H	s6iadltotm_h:w6	s missings in 6-item total iadl summary	Cont
07	S7IADLTOTM_H	s7iadltotm_h:w7	s missings in 6-item total iadl summary	Cont
08	S8IADLTOTM_H	s8iadltotm_h:w8	s missings in 6-item total iadl summary	Cont
09	S9IADLTOTM_H	s9iadltotm_h:w9	s missings in 6-item total iadl summary	Cont
10	S10IADLTOTM_H	s10iadltotm_h:w10	s missings in 6-item total iadl summary	Cont
11	S11IADLTOTM_H	s11iadltotm_h:w11	s missings in 6-item total iadl summary	Cont
12	S12IADLTOTM_H	s12iadltotm_h:w12	s missings in 6-item total iadl summary	Cont
13	S13IADLTOTM_H	s13iadltotm_h:w13	s missings in 6-item total iadl summary	Cont
14	S14IADLTOTM_H	s14iadltotm_h:w14	s missings in 6-item total iadl summary	Cont
15	S15IADLTOTM_H	s15iadltotm_h:w15	s missings in 6-item total iadl summary	Cont
02	R2IADLTOTA_H	r2iadltota_h:w2	r whether has any diff-6 total iadls	Categ
03	R3IADLTOTA_H	r3iadltota_h:w3	r whether has any diff-6 total iadls	Categ
04	R4IADLTOTA_H	r4iadltota_h:w4	r whether has any diff-6 total iadls	Categ
05	R5IADLTOTA_H	r5iadltota_h:w5	r whether has any diff-6 total iadls	Categ
06	R6IADLTOTA_H	r6iadltota_h:w6	r whether has any diff-6 total iadls	Categ
07	R7IADLTOTA_H	r7iadltota_h:w7	r whether has any diff-6 total iadls	Categ
08	R8IADLTOTA_H	r8iadltota_h:w8	r whether has any diff-6 total iadls	Categ
09	R9IADLTOTA_H	r9iadltota_h:w9	r whether has any diff-6 total iadls	Categ
10	R10IADLTOTA_H	r10iadltota_h:w10	r whether has any diff-6 total iadls	Categ
11	R11IADLTOTA_H	r11iadltota_h:w11	r whether has any diff-6 total iadls	Categ
12	R12IADLTOTA_H	r12iadltota_h:w12	r whether has any diff-6 total iadls	Categ
13	R13IADLTOTA_H	r13iadltota_h:w13	r whether has any diff-6 total iadls	Categ
14	R14IADLTOTA_H	r14iadltota_h:w14	r whether has any diff-6 total iadls	Categ
15	R15IADLTOTA_H	r15iadltota_h:w15	r whether has any diff-6 total iadls	Categ
02	S2IADLTOTA_H	s2iadltota_h:w2	s whether has any diff-6 total iadls	Categ
03	S3IADLTOTA_H	s3iadltota_h:w3	s whether has any diff-6 total iadls	Categ
04	S4IADLTOTA_H	s4iadltota_h:w4	s whether has any diff-6 total iadls	Categ
05	S5IADLTOTA_H	s5iadltota_h:w5	s whether has any diff-6 total iadls	Categ
06	S6IADLTOTA_H	s6iadltota_h:w6	s whether has any diff-6 total iadls	Categ
07	S7IADLTOTA_H	s7iadltota_h:w7	s whether has any diff-6 total iadls	Categ
08	S8IADLTOTA_H	s8iadltota_h:w8	s whether has any diff-6 total iadls	Categ
09	S9IADLTOTA_H	s9iadltota_h:w9	s whether has any diff-6 total iadls	Categ
10	S10IADLTOTA_H	s10iadltota_h:w10	s whether has any diff-6 total iadls	Categ
11	S11IADLTOTA_H	s11iadltota_h:w11	s whether has any diff-6 total iadls	Categ
12	S12IADLTOTA_H	s12iadltota_h:w12	s whether has any diff-6 total iadls	Categ
13	S13IADLTOTA_H	s13iadltota_h:w13	s whether has any diff-6 total iadls	Categ
14	S14IADLTOTA_H	s14iadltota_h:w14	s whether has any diff-6 total iadls	Categ
15	S15IADLTOTA_H	s15iadltota_h:w15	s whether has any diff-6 total iadls	Categ

01	R1MOBILSEV	r1mobilsev:w1	r	7-item mobility summary	Cont
02	R2MOBILSEV	r2mobilsev:w2	r	7-item mobility summary	Cont
03	R3MOBILSEV	r3mobilsev:w3	r	7-item mobility summary	Cont
04	R4MOBILSEV	r4mobilsev:w4	r	7-item mobility summary	Cont
05	R5MOBILSEV	r5mobilsev:w5	r	7-item mobility summary	Cont
06	R6MOBILSEV	r6mobilsev:w6	r	7-item mobility summary	Cont
07	R7MOBILSEV	r7mobilsev:w7	r	7-item mobility summary	Cont
08	R8MOBILSEV	r8mobilsev:w8	r	7-item mobility summary	Cont
09	R9MOBILSEV	r9mobilsev:w9	r	7-item mobility summary	Cont
10	R10MOBILSEV	r10mobilsev:w10	r	7-item mobility summary	Cont
11	R11MOBILSEV	r11mobilsev:w11	r	7-item mobility summary	Cont
12	R12MOBILSEV	r12mobilsev:w12	r	7-item mobility summary	Cont
13	R13MOBILSEV	r13mobilsev:w13	r	7-item mobility summary	Cont
14	R14MOBILSEV	r14mobilsev:w14	r	7-item mobility summary	Cont
15	R15MOBILSEV	r15mobilsev:w15	r	7-item mobility summary	Cont

01	S1MOBILSEV	s1mobilsev:w1	s	7-item mobility summary	Cont
02	S2MOBILSEV	s2mobilsev:w2	s	7-item mobility summary	Cont
03	S3MOBILSEV	s3mobilsev:w3	s	7-item mobility summary	Cont
04	S4MOBILSEV	s4mobilsev:w4	s	7-item mobility summary	Cont
05	S5MOBILSEV	s5mobilsev:w5	s	7-item mobility summary	Cont
06	S6MOBILSEV	s6mobilsev:w6	s	7-item mobility summary	Cont
07	S7MOBILSEV	s7mobilsev:w7	s	7-item mobility summary	Cont
08	S8MOBILSEV	s8mobilsev:w8	s	7-item mobility summary	Cont
09	S9MOBILSEV	s9mobilsev:w9	s	7-item mobility summary	Cont
10	S10MOBILSEV	s10mobilsev:w10	s	7-item mobility summary	Cont
11	S11MOBILSEV	s11mobilsev:w11	s	7-item mobility summary	Cont
12	S12MOBILSEV	s12mobilsev:w12	s	7-item mobility summary	Cont
13	S13MOBILSEV	s13mobilsev:w13	s	7-item mobility summary	Cont
14	S14MOBILSEV	s14mobilsev:w14	s	7-item mobility summary	Cont
15	S15MOBILSEV	s15mobilsev:w15	s	7-item mobility summary	Cont

01	R1MOBILSEVM	r1mobilsev:m:w1	r	missings in 7-item mobility summary	Cont
02	R2MOBILSEVM	r2mobilsev:m:w2	r	missings in 7-item mobility summary	Cont
03	R3MOBILSEVM	r3mobilsev:m:w3	r	missings in 7-item mobility summary	Cont
04	R4MOBILSEVM	r4mobilsev:m:w4	r	missings in 7-item mobility summary	Cont
05	R5MOBILSEVM	r5mobilsev:m:w5	r	missings in 7-item mobility summary	Cont
06	R6MOBILSEVM	r6mobilsev:m:w6	r	missings in 7-item mobility summary	Cont
07	R7MOBILSEVM	r7mobilsev:m:w7	r	missings in 7-item mobility summary	Cont
08	R8MOBILSEVM	r8mobilsev:m:w8	r	missings in 7-item mobility summary	Cont
09	R9MOBILSEVM	r9mobilsev:m:w9	r	missings in 7-item mobility summary	Cont
10	R10MOBILSEVM	r10mobilsev:m:w10	r	missings in 7-item mobility summary	Cont
11	R11MOBILSEVM	r11mobilsev:m:w11	r	missings in 7-item mobility summary	Cont
12	R12MOBILSEVM	r12mobilsev:m:w12	r	missings in 7-item mobility summary	Cont
13	R13MOBILSEVM	r13mobilsev:m:w13	r	missings in 7-item mobility summary	Cont
14	R14MOBILSEVM	r14mobilsev:m:w14	r	missings in 7-item mobility summary	Cont
15	R15MOBILSEVM	r15mobilsev:m:w15	r	missings in 7-item mobility summary	Cont

01	S1MOBILSEVM	s1mobilsev:m:w1	s	missings in 7-item mobility summary	Cont
02	S2MOBILSEVM	s2mobilsev:m:w2	s	missings in 7-item mobility summary	Cont
03	S3MOBILSEVM	s3mobilsev:m:w3	s	missings in 7-item mobility summary	Cont
04	S4MOBILSEVM	s4mobilsev:m:w4	s	missings in 7-item mobility summary	Cont
05	S5MOBILSEVM	s5mobilsev:m:w5	s	missings in 7-item mobility summary	Cont
06	S6MOBILSEVM	s6mobilsev:m:w6	s	missings in 7-item mobility summary	Cont
07	S7MOBILSEVM	s7mobilsev:m:w7	s	missings in 7-item mobility summary	Cont
08	S8MOBILSEVM	s8mobilsev:m:w8	s	missings in 7-item mobility summary	Cont
09	S9MOBILSEVM	s9mobilsev:m:w9	s	missings in 7-item mobility summary	Cont
10	S10MOBILSEVM	s10mobilsev:m:w10	s	missings in 7-item mobility summary	Cont
11	S11MOBILSEVM	s11mobilsev:m:w11	s	missings in 7-item mobility summary	Cont
12	S12MOBILSEVM	s12mobilsev:m:w12	s	missings in 7-item mobility summary	Cont
13	S13MOBILSEVM	s13mobilsev:m:w13	s	missings in 7-item mobility summary	Cont
14	S14MOBILSEVM	s14mobilsev:m:w14	s	missings in 7-item mobility summary	Cont
15	S15MOBILSEVM	s15mobilsev:m:w15	s	missings in 7-item mobility summary	Cont

01	R1MOBILSEVA	r1mobilseva:w1	r	whether any diff	7-item mobility summary	Categ
02	R2MOBILSEVA	r2mobilseva:w2	r	whether any diff	7-item mobility summary	Categ
03	R3MOBILSEVA	r3mobilseva:w3	r	whether any diff	7-item mobility summary	Categ
04	R4MOBILSEVA	r4mobilseva:w4	r	whether any diff	7-item mobility summary	Categ
05	R5MOBILSEVA	r5mobilseva:w5	r	whether any diff	7-item mobility summary	Categ
06	R6MOBILSEVA	r6mobilseva:w6	r	whether any diff	7-item mobility summary	Categ
07	R7MOBILSEVA	r7mobilseva:w7	r	whether any diff	7-item mobility summary	Categ
08	R8MOBILSEVA	r8mobilseva:w8	r	whether any diff	7-item mobility summary	Categ
09	R9MOBILSEVA	r9mobilseva:w9	r	whether any diff	7-item mobility summary	Categ
10	R10MOBILSEVA	r10mobilseva:w10	r	whether any diff	7-item mobility summary	Categ
11	R11MOBILSEVA	r11mobilseva:w11	r	whether any diff	7-item mobility summary	Categ
12	R12MOBILSEVA	r12mobilseva:w12	r	whether any diff	7-item mobility summary	Categ
13	R13MOBILSEVA	r13mobilseva:w13	r	whether any diff	7-item mobility summary	Categ
14	R14MOBILSEVA	r14mobilseva:w14	r	whether any diff	7-item mobility summary	Categ
15	R15MOBILSEVA	r15mobilseva:w15	r	whether any diff	7-item mobility summary	Categ
01	S1MOBILSEVA	s1mobilseva:w1	s	whether any diff	7-item mobility summary	Categ
02	S2MOBILSEVA	s2mobilseva:w2	s	whether any diff	7-item mobility summary	Categ
03	S3MOBILSEVA	s3mobilseva:w3	s	whether any diff	7-item mobility summary	Categ
04	S4MOBILSEVA	s4mobilseva:w4	s	whether any diff	7-item mobility summary	Categ
05	S5MOBILSEVA	s5mobilseva:w5	s	whether any diff	7-item mobility summary	Categ
06	S6MOBILSEVA	s6mobilseva:w6	s	whether any diff	7-item mobility summary	Categ
07	S7MOBILSEVA	s7mobilseva:w7	s	whether any diff	7-item mobility summary	Categ
08	S8MOBILSEVA	s8mobilseva:w8	s	whether any diff	7-item mobility summary	Categ
09	S9MOBILSEVA	s9mobilseva:w9	s	whether any diff	7-item mobility summary	Categ
10	S10MOBILSEVA	s10mobilseva:w10	s	whether any diff	7-item mobility summary	Categ
11	S11MOBILSEVA	s11mobilseva:w11	s	whether any diff	7-item mobility summary	Categ
12	S12MOBILSEVA	s12mobilseva:w12	s	whether any diff	7-item mobility summary	Categ
13	S13MOBILSEVA	s13mobilseva:w13	s	whether any diff	7-item mobility summary	Categ
14	S14MOBILSEVA	s14mobilseva:w14	s	whether any diff	7-item mobility summary	Categ
15	S15MOBILSEVA	s15mobilseva:w15	s	whether any diff	7-item mobility summary	Categ
01	R1LOWERMOb	r1lowermob:w1	r	lower body mobility	summary	Cont
02	R2LOWERMOb	r2lowermob:w2	r	lower body mobility	summary	Cont
03	R3LOWERMOb	r3lowermob:w3	r	lower body mobility	summary	Cont
04	R4LOWERMOb	r4lowermob:w4	r	lower body mobility	summary	Cont
05	R5LOWERMOb	r5lowermob:w5	r	lower body mobility	summary	Cont
06	R6LOWERMOb	r6lowermob:w6	r	lower body mobility	summary	Cont
07	R7LOWERMOb	r7lowermob:w7	r	lower body mobility	summary	Cont
08	R8LOWERMOb	r8lowermob:w8	r	lower body mobility	summary	Cont
09	R9LOWERMOb	r9lowermob:w9	r	lower body mobility	summary	Cont
10	R10LOWERMOb	r10lowermob:w10	r	lower body mobility	summary	Cont
11	R11LOWERMOb	r11lowermob:w11	r	lower body mobility	summary	Cont
12	R12LOWERMOb	r12lowermob:w12	r	lower body mobility	summary	Cont
13	R13LOWERMOb	r13lowermob:w13	r	lower body mobility	summary	Cont
14	R14LOWERMOb	r14lowermob:w14	r	lower body mobility	summary	Cont
15	R15LOWERMOb	r15lowermob:w15	r	lower body mobility	summary	Cont
01	S1LOWERMOb	s1lowermob:w1	s	lower body mobility	summary	Cont
02	S2LOWERMOb	s2lowermob:w2	s	lower body mobility	summary	Cont
03	S3LOWERMOb	s3lowermob:w3	s	lower body mobility	summary	Cont
04	S4LOWERMOb	s4lowermob:w4	s	lower body mobility	summary	Cont
05	S5LOWERMOb	s5lowermob:w5	s	lower body mobility	summary	Cont
06	S6LOWERMOb	s6lowermob:w6	s	lower body mobility	summary	Cont
07	S7LOWERMOb	s7lowermob:w7	s	lower body mobility	summary	Cont
08	S8LOWERMOb	s8lowermob:w8	s	lower body mobility	summary	Cont
09	S9LOWERMOb	s9lowermob:w9	s	lower body mobility	summary	Cont
10	S10LOWERMOb	s10lowermob:w10	s	lower body mobility	summary	Cont
11	S11LOWERMOb	s11lowermob:w11	s	lower body mobility	summary	Cont
12	S12LOWERMOb	s12lowermob:w12	s	lower body mobility	summary	Cont
13	S13LOWERMOb	s13lowermob:w13	s	lower body mobility	summary	Cont
14	S14LOWERMOb	s14lowermob:w14	s	lower body mobility	summary	Cont

15	S15LOWERMOB	s15lowermob:w15	s	lower body mobility summary	Cont
01	R1LOWERMOBM	r1lowermobm:w1	r	missings in lower body mobility summary	Cont
02	R2LOWERMOBM	r2lowermobm:w2	r	missings in lower body mobility summary	Cont
03	R3LOWERMOBM	r3lowermobm:w3	r	missings in lower body mobility summary	Cont
04	R4LOWERMOBM	r4lowermobm:w4	r	missings in lower body mobility summary	Cont
05	R5LOWERMOBM	r5lowermobm:w5	r	missings in lower body mobility summary	Cont
06	R6LOWERMOBM	r6lowermobm:w6	r	missings in lower body mobility summary	Cont
07	R7LOWERMOBM	r7lowermobm:w7	r	missings in lower body mobility summary	Cont
08	R8LOWERMOBM	r8lowermobm:w8	r	missings in lower body mobility summary	Cont
09	R9LOWERMOBM	r9lowermobm:w9	r	missings in lower body mobility summary	Cont
10	R10LOWERMOBM	r10lowermobm:w10	r	missings in lower body mobility summary	Cont
11	R11LOWERMOBM	r11lowermobm:w11	r	missings in lower body mobility summary	Cont
12	R12LOWERMOBM	r12lowermobm:w12	r	missings in lower body mobility summary	Cont
13	R13LOWERMOBM	r13lowermobm:w13	r	missings in lower body mobility summary	Cont
14	R14LOWERMOBM	r14lowermobm:w14	r	missings in lower body mobility summary	Cont
15	R15LOWERMOBM	r15lowermobm:w15	r	missings in lower body mobility summary	Cont
01	S1LOWERMOBM	s1lowermobm:w1	s	missings in lower body mobility summary	Cont
02	S2LOWERMOBM	s2lowermobm:w2	s	missings in lower body mobility summary	Cont
03	S3LOWERMOBM	s3lowermobm:w3	s	missings in lower body mobility summary	Cont
04	S4LOWERMOBM	s4lowermobm:w4	s	missings in lower body mobility summary	Cont
05	S5LOWERMOBM	s5lowermobm:w5	s	missings in lower body mobility summary	Cont
06	S6LOWERMOBM	s6lowermobm:w6	s	missings in lower body mobility summary	Cont
07	S7LOWERMOBM	s7lowermobm:w7	s	missings in lower body mobility summary	Cont
08	S8LOWERMOBM	s8lowermobm:w8	s	missings in lower body mobility summary	Cont
09	S9LOWERMOBM	s9lowermobm:w9	s	missings in lower body mobility summary	Cont
10	S10LOWERMOBM	s10lowermobm:w10	s	missings in lower body mobility summary	Cont
11	S11LOWERMOBM	s11lowermobm:w11	s	missings in lower body mobility summary	Cont
12	S12LOWERMOBM	s12lowermobm:w12	s	missings in lower body mobility summary	Cont
13	S13LOWERMOBM	s13lowermobm:w13	s	missings in lower body mobility summary	Cont
14	S14LOWERMOBM	s14lowermobm:w14	s	missings in lower body mobility summary	Cont
15	S15LOWERMOBM	s15lowermobm:w15	s	missings in lower body mobility summary	Cont
01	R1LOWERMOBA	r1lowermoba:w1	r	whether any diff lower body mobility summar	Categ
02	R2LOWERMOBA	r2lowermoba:w2	r	whether any diff lower body mobility summar	Categ
03	R3LOWERMOBA	r3lowermoba:w3	r	whether any diff lower body mobility summar	Categ
04	R4LOWERMOBA	r4lowermoba:w4	r	whether any diff lower body mobility summar	Categ
05	R5LOWERMOBA	r5lowermoba:w5	r	whether any diff lower body mobility summar	Categ
06	R6LOWERMOBA	r6lowermoba:w6	r	whether any diff lower body mobility summar	Categ
07	R7LOWERMOBA	r7lowermoba:w7	r	whether any diff lower body mobility summar	Categ
08	R8LOWERMOBA	r8lowermoba:w8	r	whether any diff lower body mobility summar	Categ
09	R9LOWERMOBA	r9lowermoba:w9	r	whether any diff lower body mobility summar	Categ
10	R10LOWERMOBA	r10lowermoba:w10	r	whether any diff lower body mobility summ	Categ
11	R11LOWERMOBA	r11lowermoba:w11	r	whether any diff lower body mobility summ	Categ
12	R12LOWERMOBA	r12lowermoba:w12	r	whether any diff lower body mobility summ	Categ
13	R13LOWERMOBA	r13lowermoba:w13	r	whether any diff lower body mobility summ	Categ
14	R14LOWERMOBA	r14lowermoba:w14	r	whether any diff lower body mobility summ	Categ
15	R15LOWERMOBA	r15lowermoba:w15	r	whether any diff lower body mobility summ	Categ
01	S1LOWERMOBA	s1lowermoba:w1	s	whether any diff lower body mobility summar	Categ
02	S2LOWERMOBA	s2lowermoba:w2	s	whether any diff lower body mobility summar	Categ
03	S3LOWERMOBA	s3lowermoba:w3	s	whether any diff lower body mobility summar	Categ
04	S4LOWERMOBA	s4lowermoba:w4	s	whether any diff lower body mobility summar	Categ
05	S5LOWERMOBA	s5lowermoba:w5	s	whether any diff lower body mobility summar	Categ
06	S6LOWERMOBA	s6lowermoba:w6	s	whether any diff lower body mobility summar	Categ
07	S7LOWERMOBA	s7lowermoba:w7	s	whether any diff lower body mobility summar	Categ
08	S8LOWERMOBA	s8lowermoba:w8	s	whether any diff lower body mobility summar	Categ
09	S9LOWERMOBA	s9lowermoba:w9	s	whether any diff lower body mobility summar	Categ
10	S10LOWERMOBA	s10lowermoba:w10	s	whether any diff lower body mobility summ	Categ
11	S11LOWERMOBA	s11lowermoba:w11	s	whether any diff lower body mobility summ	Categ
12	S12LOWERMOBA	s12lowermoba:w12	s	whether any diff lower body mobility summ	Categ
13	S13LOWERMOBA	s13lowermoba:w13	s	whether any diff lower body mobility summ	Categ

14	S14LOWERMOBA	s14lowermoba:w14	s	whether any diff lower body mobility summ	Categ
15	S15LOWERMOBA	s15lowermoba:w15	s	whether any diff lower body mobility summ	Categ
01	R1UPPERMOB	r1uppermob:w1	r	upper body mobility summary	Cont
02	R2UPPERMOB	r2uppermob:w2	r	upper body mobility summary	Cont
03	R3UPPERMOB	r3uppermob:w3	r	upper body mobility summary	Cont
04	R4UPPERMOB	r4uppermob:w4	r	upper body mobility summary	Cont
05	R5UPPERMOB	r5uppermob:w5	r	upper body mobility summary	Cont
06	R6UPPERMOB	r6uppermob:w6	r	upper body mobility summary	Cont
07	R7UPPERMOB	r7uppermob:w7	r	upper body mobility summary	Cont
08	R8UPPERMOB	r8uppermob:w8	r	upper body mobility summary	Cont
09	R9UPPERMOB	r9uppermob:w9	r	upper body mobility summary	Cont
10	R10UPPERMOB	r10uppermob:w10	r	upper body mobility summary	Cont
11	R11UPPERMOB	r11uppermob:w11	r	upper body mobility summary	Cont
12	R12UPPERMOB	r12uppermob:w12	r	upper body mobility summary	Cont
13	R13UPPERMOB	r13uppermob:w13	r	upper body mobility summary	Cont
14	R14UPPERMOB	r14uppermob:w14	r	upper body mobility summary	Cont
15	R15UPPERMOB	r15uppermob:w15	r	upper body mobility summary	Cont
01	S1UPPERMOB	s1uppermob:w1	s	upper body mobility summary	Cont
02	S2UPPERMOB	s2uppermob:w2	s	upper body mobility summary	Cont
03	S3UPPERMOB	s3uppermob:w3	s	upper body mobility summary	Cont
04	S4UPPERMOB	s4uppermob:w4	s	upper body mobility summary	Cont
05	S5UPPERMOB	s5uppermob:w5	s	upper body mobility summary	Cont
06	S6UPPERMOB	s6uppermob:w6	s	upper body mobility summary	Cont
07	S7UPPERMOB	s7uppermob:w7	s	upper body mobility summary	Cont
08	S8UPPERMOB	s8uppermob:w8	s	upper body mobility summary	Cont
09	S9UPPERMOB	s9uppermob:w9	s	upper body mobility summary	Cont
10	S10UPPERMOB	s10uppermob:w10	s	upper body mobility summary	Cont
11	S11UPPERMOB	s11uppermob:w11	s	upper body mobility summary	Cont
12	S12UPPERMOB	s12uppermob:w12	s	upper body mobility summary	Cont
13	S13UPPERMOB	s13uppermob:w13	s	upper body mobility summary	Cont
14	S14UPPERMOB	s14uppermob:w14	s	upper body mobility summary	Cont
15	S15UPPERMOB	s15uppermob:w15	s	upper body mobility summary	Cont
01	R1UPPERMOBM	r1uppermobm:w1	r	missings in upper body mobility summary	Cont
02	R2UPPERMOBM	r2uppermobm:w2	r	missings in upper body mobility summary	Cont
03	R3UPPERMOBM	r3uppermobm:w3	r	missings in upper body mobility summary	Cont
04	R4UPPERMOBM	r4uppermobm:w4	r	missings in upper body mobility summary	Cont
05	R5UPPERMOBM	r5uppermobm:w5	r	missings in upper body mobility summary	Cont
06	R6UPPERMOBM	r6uppermobm:w6	r	missings in upper body mobility summary	Cont
07	R7UPPERMOBM	r7uppermobm:w7	r	missings in upper body mobility summary	Cont
08	R8UPPERMOBM	r8uppermobm:w8	r	missings in upper body mobility summary	Cont
09	R9UPPERMOBM	r9uppermobm:w9	r	missings in upper body mobility summary	Cont
10	R10UPPERMOBM	r10uppermobm:w10	r	missings in upper body mobility summary	Cont
11	R11UPPERMOBM	r11uppermobm:w11	r	missings in upper body mobility summary	Cont
12	R12UPPERMOBM	r12uppermobm:w12	r	missings in upper body mobility summary	Cont
13	R13UPPERMOBM	r13uppermobm:w13	r	missings in upper body mobility summary	Cont
14	R14UPPERMOBM	r14uppermobm:w14	r	missings in upper body mobility summary	Cont
15	R15UPPERMOBM	r15uppermobm:w15	r	missings in upper body mobility summary	Cont
01	S1UPPERMOBM	s1uppermobm:w1	s	missings in upper body mobility summary	Cont
02	S2UPPERMOBM	s2uppermobm:w2	s	missings in upper body mobility summary	Cont
03	S3UPPERMOBM	s3uppermobm:w3	s	missings in upper body mobility summary	Cont
04	S4UPPERMOBM	s4uppermobm:w4	s	missings in upper body mobility summary	Cont
05	S5UPPERMOBM	s5uppermobm:w5	s	missings in upper body mobility summary	Cont
06	S6UPPERMOBM	s6uppermobm:w6	s	missings in upper body mobility summary	Cont
07	S7UPPERMOBM	s7uppermobm:w7	s	missings in upper body mobility summary	Cont
08	S8UPPERMOBM	s8uppermobm:w8	s	missings in upper body mobility summary	Cont
09	S9UPPERMOBM	s9uppermobm:w9	s	missings in upper body mobility summary	Cont
10	S10UPPERMOBM	s10uppermobm:w10	s	missings in upper body mobility summary	Cont
11	S11UPPERMOBM	s11uppermobm:w11	s	missings in upper body mobility summary	Cont
12	S12UPPERMOBM	s12uppermobm:w12	s	missings in upper body mobility summary	Cont

13	S13UPPERMOBM	s13uppermobm:w13	s	missings in upper body mobility summary	Cont
14	S14UPPERMOBM	s14uppermobm:w14	s	missings in upper body mobility summary	Cont
15	S15UPPERMOBM	s15uppermobm:w15	s	missings in upper body mobility summary	Cont
01	R1UPPERMOBA	r1uppermoba:w1	r	whether any diff upper body mobility summar	Categ
02	R2UPPERMOBA	r2uppermoba:w2	r	whether any diff upper body mobility summar	Categ
03	R3UPPERMOBA	r3uppermoba:w3	r	whether any diff upper body mobility summar	Categ
04	R4UPPERMOBA	r4uppermoba:w4	r	whether any diff upper body mobility summar	Categ
05	R5UPPERMOBA	r5uppermoba:w5	r	whether any diff upper body mobility summar	Categ
06	R6UPPERMOBA	r6uppermoba:w6	r	whether any diff upper body mobility summar	Categ
07	R7UPPERMOBA	r7uppermoba:w7	r	whether any diff upper body mobility summar	Categ
08	R8UPPERMOBA	r8uppermoba:w8	r	whether any diff upper body mobility summar	Categ
09	R9UPPERMOBA	r9uppermoba:w9	r	whether any diff upper body mobility summar	Categ
10	R10UPPERMOBA	r10uppermoba:w10	r	whether any diff upper body mobility summ	Categ
11	R11UPPERMOBA	r11uppermoba:w11	r	whether any diff upper body mobility summ	Categ
12	R12UPPERMOBA	r12uppermoba:w12	r	whether any diff upper body mobility summ	Categ
13	R13UPPERMOBA	r13uppermoba:w13	r	whether any diff upper body mobility summ	Categ
14	R14UPPERMOBA	r14uppermoba:w14	r	whether any diff upper body mobility summ	Categ
15	R15UPPERMOBA	r15uppermoba:w15	r	whether any diff upper body mobility summ	Categ
01	S1UPPERMOBA	s1uppermoba:w1	s	whether any diff upper body mobility summar	Categ
02	S2UPPERMOBA	s2uppermoba:w2	s	whether any diff upper body mobility summar	Categ
03	S3UPPERMOBA	s3uppermoba:w3	s	whether any diff upper body mobility summar	Categ
04	S4UPPERMOBA	s4uppermoba:w4	s	whether any diff upper body mobility summar	Categ
05	S5UPPERMOBA	s5uppermoba:w5	s	whether any diff upper body mobility summar	Categ
06	S6UPPERMOBA	s6uppermoba:w6	s	whether any diff upper body mobility summar	Categ
07	S7UPPERMOBA	s7uppermoba:w7	s	whether any diff upper body mobility summar	Categ
08	S8UPPERMOBA	s8uppermoba:w8	s	whether any diff upper body mobility summar	Categ
09	S9UPPERMOBA	s9uppermoba:w9	s	whether any diff upper body mobility summar	Categ
10	S10UPPERMOBA	s10uppermoba:w10	s	whether any diff upper body mobility summ	Categ
11	S11UPPERMOBA	s11uppermoba:w11	s	whether any diff upper body mobility summ	Categ
12	S12UPPERMOBA	s12uppermoba:w12	s	whether any diff upper body mobility summ	Categ
13	S13UPPERMOBA	s13uppermoba:w13	s	whether any diff upper body mobility summ	Categ
14	S14UPPERMOBA	s14uppermoba:w14	s	whether any diff upper body mobility summ	Categ
15	S15UPPERMOBA	s15uppermoba:w15	s	whether any diff upper body mobility summ	Categ
02	R2NAGI10	r2nagi10:w2	r	some difficulty-NAGI score 0-10	Cont
03	R3NAGI10	r3nagi10:w3	r	some difficulty-NAGI score 0-10	Cont
04	R4NAGI10	r4nagi10:w4	r	some difficulty-NAGI score 0-10	Cont
05	R5NAGI10	r5nagi10:w5	r	some difficulty-NAGI score 0-10	Cont
06	R6NAGI10	r6nagi10:w6	r	some difficulty-NAGI score 0-10	Cont
07	R7NAGI10	r7nagi10:w7	r	some difficulty-NAGI score 0-10	Cont
08	R8NAGI10	r8nagi10:w8	r	some difficulty-NAGI score 0-10	Cont
09	R9NAGI10	r9nagi10:w9	r	some difficulty-NAGI score 0-10	Cont
10	R10NAGI10	r10nagi10:w10	r	some difficulty-NAGI score 0-10	Cont
11	R11NAGI10	r11nagi10:w11	r	some difficulty-NAGI score 0-10	Cont
12	R12NAGI10	r12nagi10:w12	r	some difficulty-NAGI score 0-10	Cont
13	R13NAGI10	r13nagi10:w13	r	some difficulty-NAGI score 0-10	Cont
14	R14NAGI10	r14nagi10:w14	r	some difficulty-NAGI score 0-10	Cont
15	R15NAGI10	r15nagi10:w15	r	some difficulty-NAGI score 0-10	Cont
02	S2NAGI10	s2nagi10:w2	s	some difficulty-NAGI score 0-10	Cont
03	S3NAGI10	s3nagi10:w3	s	some difficulty-NAGI score 0-10	Cont
04	S4NAGI10	s4nagi10:w4	s	some difficulty-NAGI score 0-10	Cont
05	S5NAGI10	s5nagi10:w5	s	some difficulty-NAGI score 0-10	Cont
06	S6NAGI10	s6nagi10:w6	s	some difficulty-NAGI score 0-10	Cont
07	S7NAGI10	s7nagi10:w7	s	some difficulty-NAGI score 0-10	Cont
08	S8NAGI10	s8nagi10:w8	s	some difficulty-NAGI score 0-10	Cont
09	S9NAGI10	s9nagi10:w9	s	some difficulty-NAGI score 0-10	Cont
10	S10NAGI10	s10nagi10:w10	s	some difficulty-NAGI score 0-10	Cont
11	S11NAGI10	s11nagi10:w11	s	some difficulty-NAGI score 0-10	Cont
12	S12NAGI10	s12nagi10:w12	s	some difficulty-NAGI score 0-10	Cont
13	S13NAGI10	s13nagi10:w13	s	some difficulty-NAGI score 0-10	Cont

14	S14NAGI10	s14nagil0:w14	s	some difficulty-NAGI score 0-10	Cont
15	S15NAGI10	s15nagil0:w15	s	some difficulty-NAGI score 0-10	Cont
02	R2NAGI10M	r2nagil0m:w2	r	some difficulty-missings in 10-item NAGI scor	Cont
03	R3NAGI10M	r3nagil0m:w3	r	some difficulty-missings in 10-item NAGI scor	Cont
04	R4NAGI10M	r4nagil0m:w4	r	some difficulty-missings in 10-item NAGI scor	Cont
05	R5NAGI10M	r5nagil0m:w5	r	some difficulty-missings in 10-item NAGI scor	Cont
06	R6NAGI10M	r6nagil0m:w6	r	some difficulty-missings in 10-item NAGI scor	Cont
07	R7NAGI10M	r7nagil0m:w7	r	some difficulty-missings in 10-item NAGI scor	Cont
08	R8NAGI10M	r8nagil0m:w8	r	some difficulty-missings in 10-item NAGI scor	Cont
09	R9NAGI10M	r9nagil0m:w9	r	some difficulty-missings in 10-item NAGI scor	Cont
10	R10NAGI10M	r10nagil0m:w10	r	some difficulty-missings in 10-item NAGI sc	Cont
11	R11NAGI10M	r11nagil0m:w11	r	some difficulty-missings in 10-item NAGI sc	Cont
12	R12NAGI10M	r12nagil0m:w12	r	some difficulty-missings in 10-item NAGI sc	Cont
13	R13NAGI10M	r13nagil0m:w13	r	some difficulty-missings in 10-item NAGI sc	Cont
14	R14NAGI10M	r14nagil0m:w14	r	some difficulty-missings in 10-item NAGI sc	Cont
15	R15NAGI10M	r15nagil0m:w15	r	some difficulty-missings in 10-item NAGI sc	Cont
02	S2NAGI10M	s2nagil0m:w2	s	some difficulty-missings in 10-item NAGI scor	Cont
03	S3NAGI10M	s3nagil0m:w3	s	some difficulty-missings in 10-item NAGI scor	Cont
04	S4NAGI10M	s4nagil0m:w4	s	some difficulty-missings in 10-item NAGI scor	Cont
05	S5NAGI10M	s5nagil0m:w5	s	some difficulty-missings in 10-item NAGI scor	Cont
06	S6NAGI10M	s6nagil0m:w6	s	some difficulty-missings in 10-item NAGI scor	Cont
07	S7NAGI10M	s7nagil0m:w7	s	some difficulty-missings in 10-item NAGI scor	Cont
08	S8NAGI10M	s8nagil0m:w8	s	some difficulty-missings in 10-item NAGI scor	Cont
09	S9NAGI10M	s9nagil0m:w9	s	some difficulty-missings in 10-item NAGI scor	Cont
10	S10NAGI10M	s10nagil0m:w10	s	some difficulty-missings in 10-item NAGI sc	Cont
11	S11NAGI10M	s11nagil0m:w11	s	some difficulty-missings in 10-item NAGI sc	Cont
12	S12NAGI10M	s12nagil0m:w12	s	some difficulty-missings in 10-item NAGI sc	Cont
13	S13NAGI10M	s13nagil0m:w13	s	some difficulty-missings in 10-item NAGI sc	Cont
14	S14NAGI10M	s14nagil0m:w14	s	some difficulty-missings in 10-item NAGI sc	Cont
15	S15NAGI10M	s15nagil0m:w15	s	some difficulty-missings in 10-item NAGI sc	Cont
02	R2NAGI10A	r2nagil0a:w2	r	whether any diff-10 item NAGI	Categ
03	R3NAGI10A	r3nagil0a:w3	r	whether any diff-10 item NAGI	Categ
04	R4NAGI10A	r4nagil0a:w4	r	whether any diff-10 item NAGI	Categ
05	R5NAGI10A	r5nagil0a:w5	r	whether any diff-10 item NAGI	Categ
06	R6NAGI10A	r6nagil0a:w6	r	whether any diff-10 item NAGI	Categ
07	R7NAGI10A	r7nagil0a:w7	r	whether any diff-10 item NAGI	Categ
08	R8NAGI10A	r8nagil0a:w8	r	whether any diff-10 item NAGI	Categ
09	R9NAGI10A	r9nagil0a:w9	r	whether any diff-10 item NAGI	Categ
10	R10NAGI10A	r10nagil0a:w10	r	whether any diff-10 item NAGI	Categ
11	R11NAGI10A	r11nagil0a:w11	r	whether any diff-10 item NAGI	Categ
12	R12NAGI10A	r12nagil0a:w12	r	whether any diff-10 item NAGI	Categ
13	R13NAGI10A	r13nagil0a:w13	r	whether any diff-10 item NAGI	Categ
14	R14NAGI10A	r14nagil0a:w14	r	whether any diff-10 item NAGI	Categ
15	R15NAGI10A	r15nagil0a:w15	r	whether any diff-10 item NAGI	Categ
02	S2NAGI10A	s2nagil0a:w2	s	whether any diff-10 item NAGI	Categ
03	S3NAGI10A	s3nagil0a:w3	s	whether any diff-10 item NAGI	Categ
04	S4NAGI10A	s4nagil0a:w4	s	whether any diff-10 item NAGI	Categ
05	S5NAGI10A	s5nagil0a:w5	s	whether any diff-10 item NAGI	Categ
06	S6NAGI10A	s6nagil0a:w6	s	whether any diff-10 item NAGI	Categ
07	S7NAGI10A	s7nagil0a:w7	s	whether any diff-10 item NAGI	Categ
08	S8NAGI10A	s8nagil0a:w8	s	whether any diff-10 item NAGI	Categ
09	S9NAGI10A	s9nagil0a:w9	s	whether any diff-10 item NAGI	Categ
10	S10NAGI10A	s10nagil0a:w10	s	whether any diff-10 item NAGI	Categ
11	S11NAGI10A	s11nagil0a:w11	s	whether any diff-10 item NAGI	Categ
12	S12NAGI10A	s12nagil0a:w12	s	whether any diff-10 item NAGI	Categ
13	S13NAGI10A	s13nagil0a:w13	s	whether any diff-10 item NAGI	Categ
14	S14NAGI10A	s14nagil0a:w14	s	whether any diff-10 item NAGI	Categ
15	S15NAGI10A	s15nagil0a:w15	s	whether any diff-10 item NAGI	Categ



02	R2NAGI8	r2nagi8:w2	r	some difficulty-NAGI score 0-8	Cont
03	R3NAGI8	r3nagi8:w3	r	some difficulty-NAGI score 0-8	Cont
04	R4NAGI8	r4nagi8:w4	r	some difficulty-NAGI score 0-8	Cont
05	R5NAGI8	r5nagi8:w5	r	some difficulty-NAGI score 0-8	Cont
06	R6NAGI8	r6nagi8:w6	r	some difficulty-NAGI score 0-8	Cont
07	R7NAGI8	r7nagi8:w7	r	some difficulty-NAGI score 0-8	Cont
08	R8NAGI8	r8nagi8:w8	r	some difficulty-NAGI score 0-8	Cont
09	R9NAGI8	r9nagi8:w9	r	some difficulty-NAGI score 0-8	Cont
10	R10NAGI8	r10nagi8:w10	r	some difficulty-NAGI score 0-8	Cont
11	R11NAGI8	r11nagi8:w11	r	some difficulty-NAGI score 0-8	Cont
12	R12NAGI8	r12nagi8:w12	r	some difficulty-NAGI score 0-8	Cont
13	R13NAGI8	r13nagi8:w13	r	some difficulty-NAGI score 0-8	Cont
14	R14NAGI8	r14nagi8:w14	r	some difficulty-NAGI score 0-8	Cont
15	R15NAGI8	r15nagi8:w15	r	some difficulty-NAGI score 0-8	Cont
02	S2NAGI8	s2nagi8:w2	s	some difficulty-NAGI score 0-8	Cont
03	S3NAGI8	s3nagi8:w3	s	some difficulty-NAGI score 0-8	Cont
04	S4NAGI8	s4nagi8:w4	s	some difficulty-NAGI score 0-8	Cont
05	S5NAGI8	s5nagi8:w5	s	some difficulty-NAGI score 0-8	Cont
06	S6NAGI8	s6nagi8:w6	s	some difficulty-NAGI score 0-8	Cont
07	S7NAGI8	s7nagi8:w7	s	some difficulty-NAGI score 0-8	Cont
08	S8NAGI8	s8nagi8:w8	s	some difficulty-NAGI score 0-8	Cont
09	S9NAGI8	s9nagi8:w9	s	some difficulty-NAGI score 0-8	Cont
10	S10NAGI8	s10nagi8:w10	s	some difficulty-NAGI score 0-8	Cont
11	S11NAGI8	s11nagi8:w11	s	some difficulty-NAGI score 0-8	Cont
12	S12NAGI8	s12nagi8:w12	s	some difficulty-NAGI score 0-8	Cont
13	S13NAGI8	s13nagi8:w13	s	some difficulty-NAGI score 0-8	Cont
14	S14NAGI8	s14nagi8:w14	s	some difficulty-NAGI score 0-8	Cont
15	S15NAGI8	s15nagi8:w15	s	some difficulty-NAGI score 0-8	Cont
02	R2NAGI8M	r2nagi8m:w2	r	some difficulty-missings in 8-item NAGI score	Cont
03	R3NAGI8M	r3nagi8m:w3	r	some difficulty-missings in 8-item NAGI score	Cont
04	R4NAGI8M	r4nagi8m:w4	r	some difficulty-missings in 8-item NAGI score	Cont
05	R5NAGI8M	r5nagi8m:w5	r	some difficulty-missings in 8-item NAGI score	Cont
06	R6NAGI8M	r6nagi8m:w6	r	some difficulty-missings in 8-item NAGI score	Cont
07	R7NAGI8M	r7nagi8m:w7	r	some difficulty-missings in 8-item NAGI score	Cont
08	R8NAGI8M	r8nagi8m:w8	r	some difficulty-missings in 8-item NAGI score	Cont
09	R9NAGI8M	r9nagi8m:w9	r	some difficulty-missings in 8-item NAGI score	Cont
10	R10NAGI8M	r10nagi8m:w10	r	some difficulty-missings in 8-item NAGI score	Cont
11	R11NAGI8M	r11nagi8m:w11	r	some difficulty-missings in 8-item NAGI score	Cont
12	R12NAGI8M	r12nagi8m:w12	r	some difficulty-missings in 8-item NAGI score	Cont
13	R13NAGI8M	r13nagi8m:w13	r	some difficulty-missings in 8-item NAGI score	Cont
14	R14NAGI8M	r14nagi8m:w14	r	some difficulty-missings in 8-item NAGI score	Cont
15	R15NAGI8M	r15nagi8m:w15	r	some difficulty-missings in 8-item NAGI score	Cont
02	S2NAGI8M	s2nagi8m:w2	s	some difficulty-missings in 8-item NAGI score	Cont
03	S3NAGI8M	s3nagi8m:w3	s	some difficulty-missings in 8-item NAGI score	Cont
04	S4NAGI8M	s4nagi8m:w4	s	some difficulty-missings in 8-item NAGI score	Cont
05	S5NAGI8M	s5nagi8m:w5	s	some difficulty-missings in 8-item NAGI score	Cont
06	S6NAGI8M	s6nagi8m:w6	s	some difficulty-missings in 8-item NAGI score	Cont
07	S7NAGI8M	s7nagi8m:w7	s	some difficulty-missings in 8-item NAGI score	Cont
08	S8NAGI8M	s8nagi8m:w8	s	some difficulty-missings in 8-item NAGI score	Cont
09	S9NAGI8M	s9nagi8m:w9	s	some difficulty-missings in 8-item NAGI score	Cont
10	S10NAGI8M	s10nagi8m:w10	s	some difficulty-missings in 8-item NAGI score	Cont
11	S11NAGI8M	s11nagi8m:w11	s	some difficulty-missings in 8-item NAGI score	Cont
12	S12NAGI8M	s12nagi8m:w12	s	some difficulty-missings in 8-item NAGI score	Cont
13	S13NAGI8M	s13nagi8m:w13	s	some difficulty-missings in 8-item NAGI score	Cont
14	S14NAGI8M	s14nagi8m:w14	s	some difficulty-missings in 8-item NAGI score	Cont
15	S15NAGI8M	s15nagi8m:w15	s	some difficulty-missings in 8-item NAGI score	Cont
02	R2NAGI8A	r2nagi8a:w2	r	whether any diff-8 item NAGI	Categ
03	R3NAGI8A	r3nagi8a:w3	r	whether any diff-8 item NAGI	Categ
04	R4NAGI8A	r4nagi8a:w4	r	whether any diff-8 item NAGI	Categ

05	R5NAGI8A	r5nagi8a:w5	r	whether any diff-8 item NAGI	Categ
06	R6NAGI8A	r6nagi8a:w6	r	whether any diff-8 item NAGI	Categ
07	R7NAGI8A	r7nagi8a:w7	r	whether any diff-8 item NAGI	Categ
08	R8NAGI8A	r8nagi8a:w8	r	whether any diff-8 item NAGI	Categ
09	R9NAGI8A	r9nagi8a:w9	r	whether any diff-8 item NAGI	Categ
10	R10NAGI8A	r10nagi8a:w10	r	whether any diff-8 item NAGI	Categ
11	R11NAGI8A	r11nagi8a:w11	r	whether any diff-8 item NAGI	Categ
12	R12NAGI8A	r12nagi8a:w12	r	whether any diff-8 item NAGI	Categ
13	R13NAGI8A	r13nagi8a:w13	r	whether any diff-8 item NAGI	Categ
14	R14NAGI8A	r14nagi8a:w14	r	whether any diff-8 item NAGI	Categ
15	R15NAGI8A	r15nagi8a:w15	r	whether any diff-8 item NAGI	Categ
02	S2NAGI8A	s2nagi8a:w2	s	whether any diff-8 item NAGI	Categ
03	S3NAGI8A	s3nagi8a:w3	s	whether any diff-8 item NAGI	Categ
04	S4NAGI8A	s4nagi8a:w4	s	whether any diff-8 item NAGI	Categ
05	S5NAGI8A	s5nagi8a:w5	s	whether any diff-8 item NAGI	Categ
06	S6NAGI8A	s6nagi8a:w6	s	whether any diff-8 item NAGI	Categ
07	S7NAGI8A	s7nagi8a:w7	s	whether any diff-8 item NAGI	Categ
08	S8NAGI8A	s8nagi8a:w8	s	whether any diff-8 item NAGI	Categ
09	S9NAGI8A	s9nagi8a:w9	s	whether any diff-8 item NAGI	Categ
10	S10NAGI8A	s10nagi8a:w10	s	whether any diff-8 item NAGI	Categ
11	S11NAGI8A	s11nagi8a:w11	s	whether any diff-8 item NAGI	Categ
12	S12NAGI8A	s12nagi8a:w12	s	whether any diff-8 item NAGI	Categ
13	S13NAGI8A	s13nagi8a:w13	s	whether any diff-8 item NAGI	Categ
14	S14NAGI8A	s14nagi8a:w14	s	whether any diff-8 item NAGI	Categ
15	S15NAGI8A	s15nagi8a:w15	s	whether any diff-8 item NAGI	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ADLFIVE	12650	0.16	0.57	0.00	5.00
R2ADLFIVE	19641	0.18	0.64	0.00	5.00
R3ADLFIVE	17950	0.35	0.95	0.00	5.00
R4ADLFIVE	21353	0.35	0.96	0.00	5.00
R5ADLFIVE	19550	0.35	0.95	0.00	5.00
R6ADLFIVE	18155	0.36	0.97	0.00	5.00
R7ADLFIVE	20116	0.34	0.94	0.00	5.00
R8ADLFIVE	18456	0.38	0.98	0.00	5.00
R9ADLFIVE	17206	0.38	0.99	0.00	5.00
R10ADLFIVE	21902	0.39	1.01	0.00	5.00
R11ADLFIVE	20535	0.39	1.02	0.00	5.00
R12ADLFIVE	18730	0.41	1.04	0.00	5.00
R13ADLFIVE	20875	0.38	0.99	0.00	5.00
R14ADLFIVE	17120	0.38	0.97	0.00	5.00
R15ADLFIVE	15649	0.36	0.96	0.00	5.00
S1ADLFIVE	9899	0.13	0.51	0.00	5.00
S2ADLFIVE	13089	0.12	0.52	0.00	5.00
S3ADLFIVE	11904	0.24	0.78	0.00	5.00
S4ADLFIVE	13972	0.25	0.80	0.00	5.00
S5ADLFIVE	12724	0.25	0.79	0.00	5.00
S6ADLFIVE	11635	0.24	0.78	0.00	5.00
S7ADLFIVE	12970	0.23	0.76	0.00	5.00
S8ADLFIVE	11734	0.26	0.81	0.00	5.00
S9ADLFIVE	10642	0.25	0.77	0.00	5.00
S10ADLFIVE	13434	0.27	0.82	0.00	5.00
S11ADLFIVE	12480	0.27	0.84	0.00	5.00
S12ADLFIVE	11009	0.29	0.86	0.00	5.00
S13ADLFIVE	11772	0.27	0.82	0.00	5.00
S14ADLFIVE	9352	0.27	0.82	0.00	5.00
S15ADLFIVE	8456	0.26	0.80	0.00	5.00

R1ADLFIVEM	12652	0.95	0.24	0.00	5.00
R2ADLFIVEM	19642	0.58	0.50	0.00	5.00
R3ADLFIVEM	17991	0.01	0.25	0.00	5.00
R4ADLFIVEM	21384	0.01	0.22	0.00	5.00
R5ADLFIVEM	19578	0.02	0.23	0.00	5.00
R6ADLFIVEM	18165	0.01	0.17	0.00	5.00
R7ADLFIVEM	20129	0.01	0.17	0.00	5.00
R8ADLFIVEM	18469	0.01	0.17	0.00	5.00
R9ADLFIVEM	17217	0.01	0.17	0.00	5.00
R10ADLFIVEM	22034	0.04	0.40	0.00	5.00
R11ADLFIVEM	20554	0.01	0.18	0.00	5.00
R12ADLFIVEM	18747	0.01	0.18	0.00	5.00
R13ADLFIVEM	20912	0.01	0.23	0.00	5.00
R14ADLFIVEM	17146	0.01	0.21	0.00	5.00
R15ADLFIVEM	15723	0.03	0.35	0.00	5.00
S1ADLFIVEM	12652	1.83	1.68	0.00	5.00
S2ADLFIVEM	19642	2.11	2.08	0.00	5.00
S3ADLFIVEM	17991	1.69	2.37	0.00	5.00
S4ADLFIVEM	21384	1.74	2.38	0.00	5.00
S5ADLFIVEM	19578	1.75	2.38	0.00	5.00
S6ADLFIVEM	18165	1.80	2.40	0.00	5.00
S7ADLFIVEM	20129	1.78	2.39	0.00	5.00
S8ADLFIVEM	18469	1.83	2.41	0.00	5.00
S9ADLFIVEM	17217	1.91	2.43	0.00	5.00
S10ADLFIVEM	22034	1.95	2.44	0.00	5.00
S11ADLFIVEM	20554	1.97	2.44	0.00	5.00
S12ADLFIVEM	18747	2.07	2.46	0.00	5.00
S13ADLFIVEM	20912	2.19	2.48	0.00	5.00
S14ADLFIVEM	17146	2.27	2.49	0.00	5.00
S15ADLFIVEM	15723	2.31	2.49	0.00	5.00
R1ADLFIVEA	12650	0.10	0.30	0.00	1.00
R2ADLFIVEA	19641	0.10	0.30	0.00	1.00
R3ADLFIVEA	17950	0.17	0.37	0.00	1.00
R4ADLFIVEA	21353	0.17	0.37	0.00	1.00
R5ADLFIVEA	19550	0.17	0.38	0.00	1.00
R6ADLFIVEA	18155	0.17	0.38	0.00	1.00
R7ADLFIVEA	20116	0.16	0.37	0.00	1.00
R8ADLFIVEA	18456	0.18	0.38	0.00	1.00
R9ADLFIVEA	17206	0.18	0.38	0.00	1.00
R10ADLFIVEA	21902	0.18	0.39	0.00	1.00
R11ADLFIVEA	20535	0.18	0.38	0.00	1.00
R12ADLFIVEA	18730	0.19	0.39	0.00	1.00
R13ADLFIVEA	20875	0.18	0.38	0.00	1.00
R14ADLFIVEA	17120	0.18	0.38	0.00	1.00
R15ADLFIVEA	15649	0.18	0.38	0.00	1.00
S1ADLFIVEA	9899	0.08	0.28	0.00	1.00
S2ADLFIVEA	13089	0.07	0.26	0.00	1.00
S3ADLFIVEA	11904	0.13	0.33	0.00	1.00
S4ADLFIVEA	13972	0.13	0.33	0.00	1.00
S5ADLFIVEA	12724	0.13	0.34	0.00	1.00
S6ADLFIVEA	11635	0.13	0.33	0.00	1.00
S7ADLFIVEA	12970	0.12	0.32	0.00	1.00
S8ADLFIVEA	11734	0.14	0.34	0.00	1.00
S9ADLFIVEA	10642	0.13	0.34	0.00	1.00
S10ADLFIVEA	13434	0.14	0.35	0.00	1.00
S11ADLFIVEA	12480	0.14	0.34	0.00	1.00
S12ADLFIVEA	11009	0.14	0.35	0.00	1.00
S13ADLFIVEA	11772	0.14	0.34	0.00	1.00
S14ADLFIVEA	9352	0.14	0.34	0.00	1.00
S15ADLFIVEA	8456	0.13	0.34	0.00	1.00

R1ADLTOT6	12651	0.20	0.70	0.00	6.00
R2ADLTOT6	19641	0.25	0.80	0.00	6.00
R3ADLTOT6	17952	0.43	1.13	0.00	6.00
R4ADLTOT6	21353	0.43	1.14	0.00	6.00
R5ADLTOT6	19550	0.43	1.14	0.00	6.00
R6ADLTOT6	18155	0.44	1.16	0.00	6.00
R7ADLTOT6	20116	0.41	1.12	0.00	6.00
R8ADLTOT6	18456	0.46	1.17	0.00	6.00
R9ADLTOT6	17206	0.46	1.18	0.00	6.00
R10ADLTOT6	21902	0.47	1.20	0.00	6.00
R11ADLTOT6	20535	0.47	1.21	0.00	6.00
R12ADLTOT6	18730	0.50	1.23	0.00	6.00
R13ADLTOT6	20875	0.46	1.18	0.00	6.00
R14ADLTOT6	17120	0.46	1.17	0.00	6.00
R15ADLTOT6	15649	0.43	1.13	0.00	6.00
S1ADLTOT6	9899	0.17	0.63	0.00	6.00
S2ADLTOT6	13089	0.17	0.65	0.00	6.00
S3ADLTOT6	11904	0.29	0.93	0.00	6.00
S4ADLTOT6	13972	0.30	0.94	0.00	6.00
S5ADLTOT6	12724	0.30	0.93	0.00	6.00
S6ADLTOT6	11635	0.30	0.93	0.00	6.00
S7ADLTOT6	12970	0.28	0.91	0.00	6.00
S8ADLTOT6	11734	0.32	0.96	0.00	6.00
S9ADLTOT6	10642	0.30	0.92	0.00	6.00
S10ADLTOT6	13434	0.33	0.98	0.00	6.00
S11ADLTOT6	12480	0.33	0.99	0.00	6.00
S12ADLTOT6	11009	0.35	1.02	0.00	6.00
S13ADLTOT6	11772	0.32	0.97	0.00	6.00
S14ADLTOT6	9352	0.33	0.99	0.00	6.00
S15ADLTOT6	8456	0.31	0.95	0.00	6.00
R1ADLTOT6M	12652	0.95	0.25	0.00	6.00
R2ADLTOT6M	19642	0.60	0.53	0.00	6.00
R3ADLTOT6M	17991	0.02	0.30	0.00	6.00
R4ADLTOT6M	21384	0.02	0.26	0.00	6.00
R5ADLTOT6M	19578	0.02	0.28	0.00	6.00
R6ADLTOT6M	18165	0.01	0.21	0.00	6.00
R7ADLTOT6M	20129	0.01	0.20	0.00	6.00
R8ADLTOT6M	18469	0.01	0.20	0.00	6.00
R9ADLTOT6M	17217	0.01	0.20	0.00	6.00
R10ADLTOT6M	22034	0.04	0.48	0.00	6.00
R11ADLTOT6M	20554	0.01	0.21	0.00	6.00
R12ADLTOT6M	18747	0.01	0.21	0.00	6.00
R13ADLTOT6M	20912	0.02	0.27	0.00	6.00
R14ADLTOT6M	17146	0.01	0.25	0.00	6.00
R15ADLTOT6M	15723	0.04	0.42	0.00	6.00
S1ADLTOT6M	12652	2.05	2.09	0.00	6.00
S2ADLTOT6M	19642	2.46	2.54	0.00	6.00
S3ADLTOT6M	17991	2.03	2.84	0.00	6.00
S4ADLTOT6M	21384	2.08	2.85	0.00	6.00
S5ADLTOT6M	19578	2.10	2.86	0.00	6.00
S6ADLTOT6M	18165	2.16	2.88	0.00	6.00
S7ADLTOT6M	20129	2.14	2.87	0.00	6.00
S8ADLTOT6M	18469	2.19	2.89	0.00	6.00
S9ADLTOT6M	17217	2.29	2.91	0.00	6.00
S10ADLTOT6M	22034	2.34	2.93	0.00	6.00
S11ADLTOT6M	20554	2.36	2.93	0.00	6.00
S12ADLTOT6M	18747	2.48	2.95	0.00	6.00
S13ADLTOT6M	20912	2.62	2.97	0.00	6.00
S14ADLTOT6M	17146	2.73	2.99	0.00	6.00

S15ADLTOT6M	15723	2.78	2.99	0.00	6.00
R1ADLTOT6A	12651	0.11	0.31	0.00	1.00
R2ADLTOT6A	19641	0.13	0.33	0.00	1.00
R3ADLTOT6A	17952	0.18	0.39	0.00	1.00
R4ADLTOT6A	21353	0.18	0.38	0.00	1.00
R5ADLTOT6A	19550	0.18	0.39	0.00	1.00
R6ADLTOT6A	18155	0.19	0.39	0.00	1.00
R7ADLTOT6A	20116	0.18	0.38	0.00	1.00
R8ADLTOT6A	18456	0.20	0.40	0.00	1.00
R9ADLTOT6A	17206	0.19	0.39	0.00	1.00
R10ADLTOT6A	21902	0.19	0.40	0.00	1.00
R11ADLTOT6A	20535	0.19	0.39	0.00	1.00
R12ADLTOT6A	18730	0.20	0.40	0.00	1.00
R13ADLTOT6A	20875	0.19	0.39	0.00	1.00
R14ADLTOT6A	17120	0.19	0.39	0.00	1.00
R15ADLTOT6A	15649	0.19	0.39	0.00	1.00
S1ADLTOT6A	9899	0.09	0.29	0.00	1.00
S2ADLTOT6A	13089	0.09	0.29	0.00	1.00
S3ADLTOT6A	11904	0.14	0.34	0.00	1.00
S4ADLTOT6A	13972	0.13	0.34	0.00	1.00
S5ADLTOT6A	12724	0.14	0.35	0.00	1.00
S6ADLTOT6A	11635	0.14	0.34	0.00	1.00
S7ADLTOT6A	12970	0.13	0.33	0.00	1.00
S8ADLTOT6A	11734	0.15	0.35	0.00	1.00
S9ADLTOT6A	10642	0.14	0.35	0.00	1.00
S10ADLTOT6A	13434	0.15	0.35	0.00	1.00
S11ADLTOT6A	12480	0.15	0.35	0.00	1.00
S12ADLTOT6A	11009	0.15	0.36	0.00	1.00
S13ADLTOT6A	11772	0.14	0.35	0.00	1.00
S14ADLTOT6A	9352	0.15	0.35	0.00	1.00
S15ADLTOT6A	8456	0.14	0.35	0.00	1.00
R2IADLF0UR	19633	0.22	0.67	0.00	4.00
R3IADLF0UR	17945	0.28	0.81	0.00	4.00
R4IADLF0UR	21340	0.28	0.80	0.00	4.00
R5IADLF0UR	19543	0.29	0.83	0.00	4.00
R6IADLF0UR	18149	0.31	0.86	0.00	4.00
R7IADLF0UR	20110	0.28	0.81	0.00	4.00
R8IADLF0UR	18457	0.31	0.85	0.00	4.00
R9IADLF0UR	17203	0.31	0.86	0.00	4.00
R10IADLF0UR	21894	0.32	0.84	0.00	4.00
R11IADLF0UR	20532	0.32	0.86	0.00	4.00
R12IADLF0UR	18728	0.34	0.87	0.00	4.00
R13IADLF0UR	20874	0.31	0.82	0.00	4.00
R14IADLF0UR	17114	0.30	0.80	0.00	4.00
R15IADLF0UR	15646	0.28	0.79	0.00	4.00
S2IADLF0UR	13082	0.15	0.55	0.00	4.00
S3IADLF0UR	11901	0.18	0.64	0.00	4.00
S4IADLF0UR	13966	0.18	0.64	0.00	4.00
S5IADLF0UR	12718	0.18	0.65	0.00	4.00
S6IADLF0UR	11632	0.18	0.65	0.00	4.00
S7IADLF0UR	12967	0.18	0.62	0.00	4.00
S8IADLF0UR	11731	0.20	0.67	0.00	4.00
S9IADLF0UR	10640	0.19	0.65	0.00	4.00
S10IADLF0UR	13430	0.22	0.69	0.00	4.00
S11IADLF0UR	12478	0.22	0.70	0.00	4.00
S12IADLF0UR	11008	0.23	0.70	0.00	4.00
S13IADLF0UR	11771	0.21	0.68	0.00	4.00
S14IADLF0UR	9351	0.21	0.68	0.00	4.00
S15IADLF0UR	8455	0.20	0.66	0.00	4.00

R2IADLF0URM	19642	1.25	0.96	0.00	4.00
R3IADLF0URM	17991	0.20	0.52	0.00	4.00
R4IADLF0URM	21384	0.18	0.49	0.00	4.00
R5IADLF0URM	19578	0.18	0.50	0.00	4.00
R6IADLF0URM	18165	0.15	0.46	0.00	4.00
R7IADLF0URM	20129	0.15	0.46	0.00	4.00
R8IADLF0URM	18469	0.13	0.43	0.00	4.00
R9IADLF0URM	17217	0.13	0.43	0.00	4.00
R10IADLF0URM	22034	0.11	0.45	0.00	4.00
R11IADLF0URM	20554	0.08	0.35	0.00	4.00
R12IADLF0URM	18747	0.08	0.34	0.00	4.00
R13IADLF0URM	20912	0.07	0.34	0.00	4.00
R14IADLF0URM	17146	0.07	0.33	0.00	4.00
R15IADLF0URM	15723	0.08	0.39	0.00	4.00
S2IADLF0URM	19642	2.28	1.42	0.00	4.00
S3IADLF0URM	17991	1.49	1.84	0.00	4.00
S4IADLF0URM	21384	1.51	1.85	0.00	4.00
S5IADLF0URM	19578	1.53	1.86	0.00	4.00
S6IADLF0URM	18165	1.54	1.88	0.00	4.00
S7IADLF0URM	20129	1.53	1.88	0.00	4.00
S8IADLF0URM	18469	1.55	1.89	0.00	4.00
S9IADLF0URM	17217	1.61	1.91	0.00	4.00
S10IADLF0URM	22034	1.62	1.93	0.00	4.00
S11IADLF0URM	20554	1.62	1.93	0.00	4.00
S12IADLF0URM	18747	1.70	1.94	0.00	4.00
S13IADLF0URM	20912	1.79	1.96	0.00	4.00
S14IADLF0URM	17146	1.86	1.97	0.00	4.00
S15IADLF0URM	15723	1.88	1.97	0.00	4.00
R2IADLF0URA	19633	0.13	0.34	0.00	1.00
R3IADLF0URA	17945	0.14	0.35	0.00	1.00
R4IADLF0URA	21340	0.14	0.34	0.00	1.00
R5IADLF0URA	19543	0.14	0.35	0.00	1.00
R6IADLF0URA	18149	0.15	0.35	0.00	1.00
R7IADLF0URA	20110	0.14	0.35	0.00	1.00
R8IADLF0URA	18457	0.15	0.36	0.00	1.00
R9IADLF0URA	17203	0.15	0.36	0.00	1.00
R10IADLF0URA	21894	0.16	0.37	0.00	1.00
R11IADLF0URA	20532	0.16	0.37	0.00	1.00
R12IADLF0URA	18728	0.17	0.38	0.00	1.00
R13IADLF0URA	20874	0.16	0.37	0.00	1.00
R14IADLF0URA	17114	0.16	0.37	0.00	1.00
R15IADLF0URA	15646	0.15	0.36	0.00	1.00
S2IADLF0URA	13082	0.10	0.29	0.00	1.00
S3IADLF0URA	11901	0.10	0.30	0.00	1.00
S4IADLF0URA	13966	0.10	0.30	0.00	1.00
S5IADLF0URA	12718	0.09	0.29	0.00	1.00
S6IADLF0URA	11632	0.10	0.30	0.00	1.00
S7IADLF0URA	12967	0.10	0.30	0.00	1.00
S8IADLF0URA	11731	0.11	0.31	0.00	1.00
S9IADLF0URA	10640	0.10	0.31	0.00	1.00
S10IADLF0URA	13430	0.12	0.32	0.00	1.00
S11IADLF0URA	12478	0.12	0.32	0.00	1.00
S12IADLF0URA	11008	0.13	0.33	0.00	1.00
S13IADLF0URA	11771	0.12	0.32	0.00	1.00
S14IADLF0URA	9351	0.12	0.32	0.00	1.00
S15IADLF0URA	8455	0.11	0.31	0.00	1.00
R2IADLTOT_H	19638	0.38	0.85	0.00	5.00
R3IADLTOT_H	17951	0.49	1.11	0.00	6.00

R4IADLTOT_H	21351	0.44	1.10	0.00	6.00
R5IADLTOT_H	19551	0.45	1.12	0.00	6.00
R6IADLTOT_H	18157	0.48	1.17	0.00	6.00
R7IADLTOT_H	20117	0.45	1.10	0.00	6.00
R8IADLTOT_H	18460	0.48	1.16	0.00	6.00
R9IADLTOT_H	17206	0.49	1.16	0.00	6.00
R10IADLTOT_H	21894	0.51	1.16	0.00	6.00
R11IADLTOT_H	20534	0.52	1.19	0.00	6.00
R12IADLTOT_H	18729	0.55	1.22	0.00	6.00
R13IADLTOT_H	20874	0.49	1.14	0.00	6.00
R14IADLTOT_H	17114	0.49	1.13	0.00	6.00
R15IADLTOT_H	15647	0.45	1.08	0.00	6.00
S2IADLTOT_H	13086	0.31	0.74	0.00	5.00
S3IADLTOT_H	11904	0.36	0.92	0.00	6.00
S4IADLTOT_H	13972	0.31	0.90	0.00	6.00
S5IADLTOT_H	12724	0.31	0.90	0.00	6.00
S6IADLTOT_H	11636	0.32	0.91	0.00	6.00
S7IADLTOT_H	12970	0.30	0.87	0.00	6.00
S8IADLTOT_H	11733	0.33	0.93	0.00	6.00
S9IADLTOT_H	10642	0.32	0.91	0.00	6.00
S10IADLTOT_H	13430	0.37	0.96	0.00	6.00
S11IADLTOT_H	12479	0.37	0.98	0.00	6.00
S12IADLTOT_H	11008	0.39	1.00	0.00	6.00
S13IADLTOT_H	11771	0.35	0.95	0.00	6.00
S14IADLTOT_H	9351	0.37	0.96	0.00	6.00
S15IADLTOT_H	8456	0.33	0.92	0.00	6.00
R2IADLTOTM_H	19642	1.68	0.54	1.00	6.00
R3IADLTOTM_H	17991	0.35	0.69	0.00	6.00
R4IADLTOTM_H	21384	0.32	0.65	0.00	6.00
R5IADLTOTM_H	19578	0.33	0.66	0.00	6.00
R6IADLTOTM_H	18165	0.29	0.61	0.00	6.00
R7IADLTOTM_H	20129	0.28	0.62	0.00	6.00
R8IADLTOTM_H	18469	0.26	0.59	0.00	6.00
R9IADLTOTM_H	17217	0.25	0.59	0.00	6.00
R10IADLTOTM_H	22034	0.20	0.65	0.00	6.00
R11IADLTOTM_H	20554	0.16	0.48	0.00	6.00
R12IADLTOTM_H	18747	0.15	0.48	0.00	6.00
R13IADLTOTM_H	20912	0.14	0.48	0.00	6.00
R14IADLTOTM_H	17146	0.13	0.47	0.00	6.00
R15IADLTOTM_H	15723	0.15	0.57	0.00	6.00
S2IADLTOTM_H	19642	3.18	2.04	1.00	6.00
S3IADLTOTM_H	17991	2.23	2.74	0.00	6.00
S4IADLTOTM_H	21384	2.27	2.76	0.00	6.00
S5IADLTOTM_H	19578	2.29	2.76	0.00	6.00
S6IADLTOTM_H	18165	2.32	2.80	0.00	6.00
S7IADLTOTM_H	20129	2.29	2.79	0.00	6.00
S8IADLTOTM_H	18469	2.33	2.81	0.00	6.00
S9IADLTOTM_H	17217	2.42	2.84	0.00	6.00
S10IADLTOTM_H	22034	2.43	2.88	0.00	6.00
S11IADLTOTM_H	20554	2.44	2.88	0.00	6.00
S12IADLTOTM_H	18747	2.55	2.91	0.00	6.00
S13IADLTOTM_H	20912	2.68	2.94	0.00	6.00
S14IADLTOTM_H	17146	2.79	2.95	0.00	6.00
S15IADLTOTM_H	15723	2.83	2.95	0.00	6.00
R2IADLTOTA_H	19638	0.23	0.42	0.00	1.00
R3IADLTOTA_H	17951	0.25	0.44	0.00	1.00
R4IADLTOTA_H	21351	0.21	0.41	0.00	1.00
R5IADLTOTA_H	19551	0.21	0.41	0.00	1.00
R6IADLTOTA_H	18157	0.22	0.42	0.00	1.00

R7IADLTOTA_H	20117	0.22	0.41	0.00	1.00
R8IADLTOTA_H	18460	0.23	0.42	0.00	1.00
R9IADLTOTA_H	17206	0.23	0.42	0.00	1.00
R10IADLTOTA_H	21894	0.25	0.43	0.00	1.00
R11IADLTOTA_H	20534	0.24	0.43	0.00	1.00
R12IADLTOTA_H	18729	0.26	0.44	0.00	1.00
R13IADLTOTA_H	20874	0.24	0.43	0.00	1.00
R14IADLTOTA_H	17114	0.25	0.43	0.00	1.00
R15IADLTOTA_H	15647	0.23	0.42	0.00	1.00
S2IADLTOTA_H	13086	0.21	0.41	0.00	1.00
S3IADLTOTA_H	11904	0.21	0.41	0.00	1.00
S4IADLTOTA_H	13972	0.17	0.37	0.00	1.00
S5IADLTOTA_H	12724	0.17	0.37	0.00	1.00
S6IADLTOTA_H	11636	0.17	0.38	0.00	1.00
S7IADLTOTA_H	12970	0.17	0.37	0.00	1.00
S8IADLTOTA_H	11733	0.18	0.38	0.00	1.00
S9IADLTOTA_H	10642	0.18	0.38	0.00	1.00
S10IADLTOTA_H	13430	0.19	0.40	0.00	1.00
S11IADLTOTA_H	12479	0.19	0.39	0.00	1.00
S12IADLTOTA_H	11008	0.21	0.41	0.00	1.00
S13IADLTOTA_H	11771	0.19	0.39	0.00	1.00
S14IADLTOTA_H	9351	0.20	0.40	0.00	1.00
S15IADLTOTA_H	8456	0.18	0.38	0.00	1.00
R1MOBILSEV	12649	1.78	1.81	0.00	7.00
R2MOBILSEV	19637	1.00	1.46	0.00	7.00
R3MOBILSEV	17949	1.72	1.88	0.00	7.00
R4MOBILSEV	21347	1.72	1.88	0.00	7.00
R5MOBILSEV	19542	1.78	1.91	0.00	7.00
R6MOBILSEV	18155	1.91	1.91	0.00	7.00
R7MOBILSEV	20106	1.84	1.90	0.00	7.00
R8MOBILSEV	18454	2.00	1.95	0.00	7.00
R9MOBILSEV	17201	2.00	1.95	0.00	7.00
R10MOBILSEV	21900	1.97	2.02	0.00	7.00
R11MOBILSEV	20534	1.98	2.03	0.00	7.00
R12MOBILSEV	18730	2.08	2.05	0.00	7.00
R13MOBILSEV	20875	1.96	2.04	0.00	7.00
R14MOBILSEV	17118	2.02	2.04	0.00	7.00
R15MOBILSEV	15650	1.89	2.02	0.00	7.00
S1MOBILSEV	9898	1.68	1.75	0.00	7.00
S2MOBILSEV	13088	0.99	1.45	0.00	7.00
S3MOBILSEV	11902	1.51	1.76	0.00	7.00
S4MOBILSEV	13968	1.50	1.75	0.00	7.00
S5MOBILSEV	12723	1.56	1.78	0.00	7.00
S6MOBILSEV	11636	1.66	1.78	0.00	7.00
S7MOBILSEV	12966	1.61	1.78	0.00	7.00
S8MOBILSEV	11733	1.73	1.83	0.00	7.00
S9MOBILSEV	10641	1.72	1.80	0.00	7.00
S10MOBILSEV	13433	1.71	1.88	0.00	7.00
S11MOBILSEV	12480	1.71	1.89	0.00	7.00
S12MOBILSEV	11009	1.78	1.93	0.00	7.00
S13MOBILSEV	11771	1.67	1.90	0.00	7.00
S14MOBILSEV	9352	1.71	1.90	0.00	7.00
S15MOBILSEV	8456	1.59	1.87	0.00	7.00
R1MOBILSEVM	12652	0.05	0.30	0.00	7.00
R2MOBILSEVM	19642	2.13	2.47	0.00	7.00
R3MOBILSEVM	17991	0.23	0.63	0.00	7.00
R4MOBILSEVM	21384	0.21	0.59	0.00	7.00
R5MOBILSEVM	19578	0.21	0.61	0.00	7.00
R6MOBILSEVM	18165	0.20	0.55	0.00	7.00



R7MOBILSEVM	20129	0.18	0.56	0.00	7.00
R8MOBILSEVM	18469	0.14	0.48	0.00	7.00
R9MOBILSEVM	17217	0.15	0.51	0.00	7.00
R10MOBILSEVM	22034	0.12	0.64	0.00	7.00
R11MOBILSEVM	20554	0.09	0.41	0.00	7.00
R12MOBILSEVM	18747	0.08	0.39	0.00	7.00
R13MOBILSEVM	20912	0.08	0.43	0.00	7.00
R14MOBILSEVM	17146	0.04	0.34	0.00	7.00
R15MOBILSEVM	15723	0.10	0.56	0.00	7.00
S1MOBILSEVM	12652	1.55	2.88	0.00	7.00
S2MOBILSEVM	19642	3.47	3.15	0.00	7.00
S3MOBILSEVM	17991	2.47	3.26	0.00	7.00
S4MOBILSEVM	21384	2.52	3.28	0.00	7.00
S5MOBILSEVM	19578	2.55	3.29	0.00	7.00
S6MOBILSEVM	18165	2.60	3.31	0.00	7.00
S7MOBILSEVM	20129	2.57	3.31	0.00	7.00
S8MOBILSEVM	18469	2.61	3.34	0.00	7.00
S9MOBILSEVM	17217	2.73	3.37	0.00	7.00
S10MOBILSEVM	22034	2.76	3.40	0.00	7.00
S11MOBILSEVM	20554	2.78	3.40	0.00	7.00
S12MOBILSEVM	18747	2.92	3.43	0.00	7.00
S13MOBILSEVM	20912	3.08	3.46	0.00	7.00
S14MOBILSEVM	17146	3.19	3.48	0.00	7.00
S15MOBILSEVM	15723	3.26	3.47	0.00	7.00
R1MOBILSEVA	12649	0.68	0.47	0.00	1.00
R2MOBILSEVA	19637	0.48	0.50	0.00	1.00
R3MOBILSEVA	17949	0.62	0.49	0.00	1.00
R4MOBILSEVA	21347	0.62	0.48	0.00	1.00
R5MOBILSEVA	19542	0.63	0.48	0.00	1.00
R6MOBILSEVA	18155	0.67	0.47	0.00	1.00
R7MOBILSEVA	20106	0.65	0.48	0.00	1.00
R8MOBILSEVA	18454	0.68	0.47	0.00	1.00
R9MOBILSEVA	17201	0.68	0.47	0.00	1.00
R10MOBILSEVA	21900	0.65	0.48	0.00	1.00
R11MOBILSEVA	20534	0.65	0.48	0.00	1.00
R12MOBILSEVA	18730	0.67	0.47	0.00	1.00
R13MOBILSEVA	20875	0.64	0.48	0.00	1.00
R14MOBILSEVA	17118	0.67	0.47	0.00	1.00
R15MOBILSEVA	15650	0.63	0.48	0.00	1.00
S1MOBILSEVA	9898	0.66	0.47	0.00	1.00
S2MOBILSEVA	13088	0.46	0.50	0.00	1.00
S3MOBILSEVA	11902	0.58	0.49	0.00	1.00
S4MOBILSEVA	13968	0.59	0.49	0.00	1.00
S5MOBILSEVA	12723	0.59	0.49	0.00	1.00
S6MOBILSEVA	11636	0.63	0.48	0.00	1.00
S7MOBILSEVA	12966	0.61	0.49	0.00	1.00
S8MOBILSEVA	11733	0.64	0.48	0.00	1.00
S9MOBILSEVA	10641	0.64	0.48	0.00	1.00
S10MOBILSEVA	13433	0.61	0.49	0.00	1.00
S11MOBILSEVA	12480	0.61	0.49	0.00	1.00
S12MOBILSEVA	11009	0.62	0.48	0.00	1.00
S13MOBILSEVA	11771	0.60	0.49	0.00	1.00
S14MOBILSEVA	9352	0.62	0.49	0.00	1.00
S15MOBILSEVA	8456	0.57	0.49	0.00	1.00
R1LOWERMOb	12642	1.35	1.29	0.00	4.00
R2LOWERMOb	11420	1.07	1.23	0.00	4.00
R3LOWERMOb	17942	1.27	1.33	0.00	4.00
R4LOWERMOb	21341	1.27	1.34	0.00	4.00
R5LOWERMOb	19527	1.32	1.36	0.00	4.00

R6LOWERMOb	18147	1.44	1.37	0.00	4.00
R7LOWERMOb	20089	1.39	1.36	0.00	4.00
R8LOWERMOb	18446	1.51	1.39	0.00	4.00
R9LOWERMOb	17191	1.51	1.39	0.00	4.00
R10LOWERMOb	21895	1.46	1.41	0.00	4.00
R11LOWERMOb	20530	1.46	1.42	0.00	4.00
R12LOWERMOb	18728	1.52	1.43	0.00	4.00
R13LOWERMOb	20871	1.44	1.43	0.00	4.00
R14LOWERMOb	17118	1.50	1.43	0.00	4.00
R15LOWERMOb	15650	1.39	1.42	0.00	4.00
S1LOWERMOb	9892	1.30	1.26	0.00	4.00
S2LOWERMOb	8741	1.00	1.19	0.00	4.00
S3LOWERMOb	11900	1.13	1.27	0.00	4.00
S4LOWERMOb	13966	1.14	1.28	0.00	4.00
S5LOWERMOb	12717	1.19	1.30	0.00	4.00
S6LOWERMOb	11632	1.30	1.32	0.00	4.00
S7LOWERMOb	12958	1.24	1.31	0.00	4.00
S8LOWERMOb	11729	1.34	1.34	0.00	4.00
S9LOWERMOb	10639	1.34	1.33	0.00	4.00
S10LOWERMOb	13430	1.30	1.35	0.00	4.00
S11LOWERMOb	12479	1.30	1.37	0.00	4.00
S12LOWERMOb	11009	1.35	1.38	0.00	4.00
S13LOWERMOb	11769	1.27	1.37	0.00	4.00
S14LOWERMOb	9352	1.31	1.38	0.00	4.00
S15LOWERMOb	8456	1.21	1.35	0.00	4.00
R1LOWERMObM	12652	0.04	0.23	0.00	4.00
R2LOWERMObM	19642	1.70	1.96	0.00	4.00
R3LOWERMObM	17991	0.16	0.45	0.00	4.00
R4LOWERMObM	21384	0.15	0.43	0.00	4.00
R5LOWERMObM	19578	0.15	0.44	0.00	4.00
R6LOWERMObM	18165	0.14	0.41	0.00	4.00
R7LOWERMObM	20129	0.13	0.41	0.00	4.00
R8LOWERMObM	18469	0.10	0.36	0.00	4.00
R9LOWERMObM	17217	0.11	0.38	0.00	4.00
R10LOWERMObM	22034	0.08	0.40	0.00	4.00
R11LOWERMObM	20554	0.07	0.30	0.00	4.00
R12LOWERMObM	18747	0.06	0.28	0.00	4.00
R13LOWERMObM	20912	0.06	0.30	0.00	4.00
R14LOWERMObM	17146	0.02	0.21	0.00	4.00
R15LOWERMObM	15723	0.07	0.36	0.00	4.00
S1LOWERMObM	12652	0.89	1.65	0.00	4.00
S2LOWERMObM	19642	2.24	1.97	0.00	4.00
S3LOWERMObM	17991	1.43	1.86	0.00	4.00
S4LOWERMObM	21384	1.46	1.87	0.00	4.00
S5LOWERMObM	19578	1.47	1.88	0.00	4.00
S6LOWERMObM	18165	1.50	1.89	0.00	4.00
S7LOWERMObM	20129	1.48	1.89	0.00	4.00
S8LOWERMObM	18469	1.50	1.91	0.00	4.00
S9LOWERMObM	17217	1.57	1.92	0.00	4.00
S10LOWERMObM	22034	1.58	1.94	0.00	4.00
S11LOWERMObM	20554	1.60	1.94	0.00	4.00
S12LOWERMObM	18747	1.67	1.96	0.00	4.00
S13LOWERMObM	20912	1.77	1.97	0.00	4.00
S14LOWERMObM	17146	1.82	1.99	0.00	4.00
S15LOWERMObM	15723	1.87	1.98	0.00	4.00
R1LOWERMObA	12642	0.65	0.48	0.00	1.00
R2LOWERMObA	11420	0.54	0.50	0.00	1.00
R3LOWERMObA	17942	0.59	0.49	0.00	1.00
R4LOWERMObA	21341	0.59	0.49	0.00	1.00

R5LOWERMObA	19527	0.60	0.49	0.00	1.00
R6LOWERMObA	18147	0.65	0.48	0.00	1.00
R7LOWERMObA	20089	0.62	0.48	0.00	1.00
R8LOWERMObA	18446	0.66	0.48	0.00	1.00
R9LOWERMObA	17191	0.66	0.47	0.00	1.00
R10LOWERMObA	21895	0.62	0.48	0.00	1.00
R11LOWERMObA	20530	0.63	0.48	0.00	1.00
R12LOWERMObA	18728	0.64	0.48	0.00	1.00
R13LOWERMObA	20871	0.61	0.49	0.00	1.00
R14LOWERMObA	17118	0.64	0.48	0.00	1.00
R15LOWERMObA	15650	0.60	0.49	0.00	1.00
S1LOWERMObA	9892	0.64	0.48	0.00	1.00
S2LOWERMObA	8741	0.52	0.50	0.00	1.00
S3LOWERMObA	11900	0.55	0.50	0.00	1.00
S4LOWERMObA	13966	0.55	0.50	0.00	1.00
S5LOWERMObA	12717	0.56	0.50	0.00	1.00
S6LOWERMObA	11632	0.61	0.49	0.00	1.00
S7LOWERMObA	12958	0.58	0.49	0.00	1.00
S8LOWERMObA	11729	0.61	0.49	0.00	1.00
S9LOWERMObA	10639	0.62	0.49	0.00	1.00
S10LOWERMObA	13430	0.59	0.49	0.00	1.00
S11LOWERMObA	12479	0.58	0.49	0.00	1.00
S12LOWERMObA	11009	0.59	0.49	0.00	1.00
S13LOWERMObA	11769	0.57	0.50	0.00	1.00
S14LOWERMObA	9352	0.59	0.49	0.00	1.00
S15LOWERMObA	8456	0.55	0.50	0.00	1.00
R1UPPERMOB	12649	0.43	0.74	0.00	3.00
R2UPPERMOB	19636	0.38	0.66	0.00	3.00
R3UPPERMOB	17943	0.46	0.77	0.00	3.00
R4UPPERMOB	21334	0.45	0.76	0.00	3.00
R5UPPERMOB	19533	0.45	0.77	0.00	3.00
R6UPPERMOB	18148	0.47	0.77	0.00	3.00
R7UPPERMOB	20095	0.46	0.76	0.00	3.00
R8UPPERMOB	18449	0.49	0.80	0.00	3.00
R9UPPERMOB	17199	0.50	0.80	0.00	3.00
R10UPPERMOB	21890	0.52	0.82	0.00	3.00
R11UPPERMOB	20533	0.52	0.82	0.00	3.00
R12UPPERMOB	18727	0.56	0.84	0.00	3.00
R13UPPERMOB	20871	0.52	0.83	0.00	3.00
R14UPPERMOB	17115	0.52	0.82	0.00	3.00
R15UPPERMOB	15648	0.50	0.81	0.00	3.00
S1UPPERMOB	9898	0.38	0.70	0.00	3.00
S2UPPERMOB	13087	0.32	0.62	0.00	3.00
S3UPPERMOB	11896	0.38	0.71	0.00	3.00
S4UPPERMOB	13961	0.36	0.69	0.00	3.00
S5UPPERMOB	12718	0.37	0.70	0.00	3.00
S6UPPERMOB	11633	0.37	0.70	0.00	3.00
S7UPPERMOB	12963	0.36	0.69	0.00	3.00
S8UPPERMOB	11731	0.39	0.72	0.00	3.00
S9UPPERMOB	10641	0.38	0.71	0.00	3.00
S10UPPERMOB	13429	0.41	0.74	0.00	3.00
S11UPPERMOB	12480	0.41	0.74	0.00	3.00
S12UPPERMOB	11007	0.44	0.77	0.00	3.00
S13UPPERMOB	11769	0.41	0.75	0.00	3.00
S14UPPERMOB	9350	0.40	0.74	0.00	3.00
S15UPPERMOB	8456	0.38	0.72	0.00	3.00
R1UPPERMOBM	12652	0.01	0.12	0.00	3.00
R2UPPERMOBM	19642	0.43	0.52	0.00	3.00
R3UPPERMOBM	17991	0.07	0.29	0.00	3.00

R4UPPERMOBM	21384	0.06	0.27	0.00	3.00
R5UPPERMOBM	19578	0.06	0.28	0.00	3.00
R6UPPERMOBM	18165	0.05	0.25	0.00	3.00
R7UPPERMOBM	20129	0.05	0.25	0.00	3.00
R8UPPERMOBM	18469	0.04	0.22	0.00	3.00
R9UPPERMOBM	17217	0.04	0.22	0.00	3.00
R10UPPERMOBM	22034	0.04	0.28	0.00	3.00
R11UPPERMOBM	20554	0.03	0.18	0.00	3.00
R12UPPERMOBM	18747	0.02	0.18	0.00	3.00
R13UPPERMOBM	20912	0.02	0.19	0.00	3.00
R14UPPERMOBM	17146	0.02	0.17	0.00	3.00
R15UPPERMOBM	15723	0.03	0.25	0.00	3.00
S1UPPERMOBM	12652	0.66	1.24	0.00	3.00
S2UPPERMOBM	19642	1.23	1.32	0.00	3.00
S3UPPERMOBM	17991	1.04	1.41	0.00	3.00
S4UPPERMOBM	21384	1.06	1.42	0.00	3.00
S5UPPERMOBM	19578	1.07	1.42	0.00	3.00
S6UPPERMOBM	18165	1.10	1.43	0.00	3.00
S7UPPERMOBM	20129	1.09	1.43	0.00	3.00
S8UPPERMOBM	18469	1.11	1.44	0.00	3.00
S9UPPERMOBM	17217	1.16	1.45	0.00	3.00
S10UPPERMOBM	22034	1.18	1.46	0.00	3.00
S11UPPERMOBM	20554	1.19	1.46	0.00	3.00
S12UPPERMOBM	18747	1.24	1.47	0.00	3.00
S13UPPERMOBM	20912	1.32	1.49	0.00	3.00
S14UPPERMOBM	17146	1.37	1.49	0.00	3.00
S15UPPERMOBM	15723	1.39	1.49	0.00	3.00
R1UPPERMOBA	12649	0.30	0.46	0.00	1.00
R2UPPERMOBA	19636	0.30	0.46	0.00	1.00
R3UPPERMOBA	17943	0.31	0.46	0.00	1.00
R4UPPERMOBA	21334	0.31	0.46	0.00	1.00
R5UPPERMOBA	19533	0.31	0.46	0.00	1.00
R6UPPERMOBA	18148	0.32	0.47	0.00	1.00
R7UPPERMOBA	20095	0.31	0.46	0.00	1.00
R8UPPERMOBA	18449	0.33	0.47	0.00	1.00
R9UPPERMOBA	17199	0.34	0.47	0.00	1.00
R10UPPERMOBA	21890	0.34	0.47	0.00	1.00
R11UPPERMOBA	20533	0.34	0.47	0.00	1.00
R12UPPERMOBA	18727	0.36	0.48	0.00	1.00
R13UPPERMOBA	20871	0.34	0.47	0.00	1.00
R14UPPERMOBA	17115	0.34	0.47	0.00	1.00
R15UPPERMOBA	15648	0.33	0.47	0.00	1.00
S1UPPERMOBA	9898	0.28	0.45	0.00	1.00
S2UPPERMOBA	13087	0.25	0.43	0.00	1.00
S3UPPERMOBA	11896	0.26	0.44	0.00	1.00
S4UPPERMOBA	13961	0.26	0.44	0.00	1.00
S5UPPERMOBA	12718	0.26	0.44	0.00	1.00
S6UPPERMOBA	11633	0.26	0.44	0.00	1.00
S7UPPERMOBA	12963	0.26	0.44	0.00	1.00
S8UPPERMOBA	11731	0.27	0.44	0.00	1.00
S9UPPERMOBA	10641	0.27	0.44	0.00	1.00
S10UPPERMOBA	13429	0.28	0.45	0.00	1.00
S11UPPERMOBA	12480	0.28	0.45	0.00	1.00
S12UPPERMOBA	11007	0.29	0.45	0.00	1.00
S13UPPERMOBA	11769	0.27	0.45	0.00	1.00
S14UPPERMOBA	9350	0.28	0.45	0.00	1.00
S15UPPERMOBA	8456	0.26	0.44	0.00	1.00
R2NAGI10	19639	1.56	2.06	0.00	10.00
R3NAGI10	17949	2.30	2.60	0.00	10.00

R4NAGI10	21349	2.29	2.61	0.00	10.00
R5NAGI10	19546	2.36	2.63	0.00	10.00
R6NAGI10	18156	2.53	2.64	0.00	10.00
R7NAGI10	20108	2.46	2.63	0.00	10.00
R8NAGI10	18459	2.65	2.71	0.00	10.00
R9NAGI10	17205	2.65	2.70	0.00	10.00
R10NAGI10	21902	2.65	2.80	0.00	10.00
R11NAGI10	20535	2.67	2.84	0.00	10.00
R12NAGI10	18731	2.79	2.86	0.00	10.00
R13NAGI10	20875	2.64	2.85	0.00	10.00
R14NAGI10	17118	2.73	2.87	0.00	10.00
R15NAGI10	15650	2.53	2.82	0.00	10.00
S2NAGI10	13089	1.46	2.02	0.00	10.00
S3NAGI10	11902	2.01	2.43	0.00	10.00
S4NAGI10	13969	1.99	2.43	0.00	10.00
S5NAGI10	12723	2.06	2.45	0.00	10.00
S6NAGI10	11636	2.19	2.45	0.00	10.00
S7NAGI10	12967	2.13	2.46	0.00	10.00
S8NAGI10	11733	2.28	2.52	0.00	10.00
S9NAGI10	10642	2.25	2.47	0.00	10.00
S10NAGI10	13434	2.27	2.60	0.00	10.00
S11NAGI10	12480	2.28	2.63	0.00	10.00
S12NAGI10	11009	2.37	2.68	0.00	10.00
S13NAGI10	11771	2.24	2.64	0.00	10.00
S14NAGI10	9352	2.28	2.66	0.00	10.00
S15NAGI10	8456	2.11	2.60	0.00	10.00
R2NAGI10M	19642	2.60	3.01	0.00	10.00
R3NAGI10M	17991	0.37	0.94	0.00	10.00
R4NAGI10M	21384	0.34	0.89	0.00	10.00
R5NAGI10M	19578	0.35	0.90	0.00	10.00
R6NAGI10M	18165	0.32	0.82	0.00	10.00
R7NAGI10M	20129	0.29	0.83	0.00	10.00
R8NAGI10M	18469	0.22	0.71	0.00	10.00
R9NAGI10M	17217	0.24	0.75	0.00	10.00
R10NAGI10M	22034	0.18	0.92	0.00	10.00
R11NAGI10M	20554	0.14	0.59	0.00	10.00
R12NAGI10M	18747	0.12	0.56	0.00	10.00
R13NAGI10M	20912	0.12	0.62	0.00	10.00
R14NAGI10M	17146	0.06	0.49	0.00	10.00
R15NAGI10M	15723	0.15	0.80	0.00	10.00
S2NAGI10M	19642	4.71	4.41	0.00	10.00
S3NAGI10M	17991	3.55	4.64	0.00	10.00
S4NAGI10M	21384	3.62	4.68	0.00	10.00
S5NAGI10M	19578	3.65	4.69	0.00	10.00
S6NAGI10M	18165	3.73	4.72	0.00	10.00
S7NAGI10M	20129	3.68	4.72	0.00	10.00
S8NAGI10M	18469	3.74	4.76	0.00	10.00
S9NAGI10M	17217	3.91	4.80	0.00	10.00
S10NAGI10M	22034	3.95	4.85	0.00	10.00
S11NAGI10M	20554	3.98	4.85	0.00	10.00
S12NAGI10M	18747	4.17	4.90	0.00	10.00
S13NAGI10M	20912	4.41	4.94	0.00	10.00
S14NAGI10M	17146	4.56	4.97	0.00	10.00
S15NAGI10M	15723	4.66	4.96	0.00	10.00
R2NAGI10A	19639	0.55	0.50	0.00	1.00
R3NAGI10A	17949	0.64	0.48	0.00	1.00
R4NAGI10A	21349	0.64	0.48	0.00	1.00
R5NAGI10A	19546	0.65	0.48	0.00	1.00
R6NAGI10A	18156	0.69	0.46	0.00	1.00

R7NAGI10A	20108	0.68	0.47	0.00	1.00
R8NAGI10A	18459	0.70	0.46	0.00	1.00
R9NAGI10A	17205	0.70	0.46	0.00	1.00
R10NAGI10A	21902	0.67	0.47	0.00	1.00
R11NAGI10A	20535	0.67	0.47	0.00	1.00
R12NAGI10A	18731	0.69	0.46	0.00	1.00
R13NAGI10A	20875	0.66	0.47	0.00	1.00
R14NAGI10A	17118	0.68	0.47	0.00	1.00
R15NAGI10A	15650	0.64	0.48	0.00	1.00
S2NAGI10A	13087	0.53	0.50	0.00	1.00
S3NAGI10A	11901	0.61	0.49	0.00	1.00
S4NAGI10A	13967	0.61	0.49	0.00	1.00
S5NAGI10A	12723	0.62	0.49	0.00	1.00
S6NAGI10A	11629	0.66	0.48	0.00	1.00
S7NAGI10A	12963	0.64	0.48	0.00	1.00
S8NAGI10A	11726	0.66	0.47	0.00	1.00
S9NAGI10A	10636	0.66	0.47	0.00	1.00
S10NAGI10A	13429	0.63	0.48	0.00	1.00
S11NAGI10A	12472	0.63	0.48	0.00	1.00
S12NAGI10A	11009	0.64	0.48	0.00	1.00
S13NAGI10A	11770	0.62	0.49	0.00	1.00
S14NAGI10A	9352	0.63	0.48	0.00	1.00
S15NAGI10A	8456	0.59	0.49	0.00	1.00
R2NAGI8	19638	1.18	1.63	0.00	8.00
R3NAGI8	17949	1.76	2.07	0.00	8.00
R4NAGI8	21349	1.76	2.07	0.00	8.00
R5NAGI8	19546	1.80	2.08	0.00	8.00
R6NAGI8	18156	1.93	2.10	0.00	8.00
R7NAGI8	20108	1.86	2.08	0.00	8.00
R8NAGI8	18458	2.01	2.14	0.00	8.00
R9NAGI8	17205	2.01	2.13	0.00	8.00
R10NAGI8	21902	2.02	2.22	0.00	8.00
R11NAGI8	20535	2.02	2.24	0.00	8.00
R12NAGI8	18731	2.11	2.28	0.00	8.00
R13NAGI8	20875	2.00	2.25	0.00	8.00
R14NAGI8	17118	2.03	2.27	0.00	8.00
R15NAGI8	15650	1.90	2.22	0.00	8.00
S2NAGI8	13088	1.12	1.61	0.00	8.00
S3NAGI8	11902	1.54	1.95	0.00	8.00
S4NAGI8	13969	1.52	1.93	0.00	8.00
S5NAGI8	12723	1.57	1.94	0.00	8.00
S6NAGI8	11636	1.66	1.95	0.00	8.00
S7NAGI8	12967	1.62	1.94	0.00	8.00
S8NAGI8	11733	1.73	1.99	0.00	8.00
S9NAGI8	10642	1.71	1.95	0.00	8.00
S10NAGI8	13434	1.73	2.06	0.00	8.00
S11NAGI8	12480	1.72	2.08	0.00	8.00
S12NAGI8	11009	1.79	2.12	0.00	8.00
S13NAGI8	11771	1.69	2.08	0.00	8.00
S14NAGI8	9352	1.70	2.09	0.00	8.00
S15NAGI8	8456	1.58	2.03	0.00	8.00
R2NAGI8M	19642	2.15	2.50	0.00	8.00
R3NAGI8M	17991	0.21	0.67	0.00	8.00
R4NAGI8M	21384	0.18	0.62	0.00	8.00
R5NAGI8M	19578	0.19	0.63	0.00	8.00
R6NAGI8M	18165	0.17	0.56	0.00	8.00
R7NAGI8M	20129	0.16	0.58	0.00	8.00
R8NAGI8M	18469	0.12	0.50	0.00	8.00
R9NAGI8M	17217	0.13	0.51	0.00	8.00

R10NAGI8M	22034	0.12	0.71	0.00	8.00
R11NAGI8M	20554	0.08	0.42	0.00	8.00
R12NAGI8M	18747	0.07	0.39	0.00	8.00
R13NAGI8M	20912	0.07	0.46	0.00	8.00
R14NAGI8M	17146	0.05	0.41	0.00	8.00
R15NAGI8M	15723	0.09	0.61	0.00	8.00
S2NAGI8M	19642	3.81	3.54	0.00	8.00
S3NAGI8M	17991	2.79	3.74	0.00	8.00
S4NAGI8M	21384	2.85	3.77	0.00	8.00
S5NAGI8M	19578	2.88	3.78	0.00	8.00
S6NAGI8M	18165	2.94	3.80	0.00	8.00
S7NAGI8M	20129	2.91	3.80	0.00	8.00
S8NAGI8M	18469	2.96	3.83	0.00	8.00
S9NAGI8M	17217	3.10	3.86	0.00	8.00
S10NAGI8M	22034	3.15	3.89	0.00	8.00
S11NAGI8M	20554	3.17	3.89	0.00	8.00
S12NAGI8M	18747	3.32	3.93	0.00	8.00
S13NAGI8M	20912	3.52	3.95	0.00	8.00
S14NAGI8M	17146	3.65	3.97	0.00	8.00
S15NAGI8M	15723	3.72	3.97	0.00	8.00
R2NAGI8A	19638	0.50	0.50	0.00	1.00
R3NAGI8A	17949	0.59	0.49	0.00	1.00
R4NAGI8A	21349	0.59	0.49	0.00	1.00
R5NAGI8A	19546	0.60	0.49	0.00	1.00
R6NAGI8A	18156	0.64	0.48	0.00	1.00
R7NAGI8A	20108	0.62	0.48	0.00	1.00
R8NAGI8A	18458	0.65	0.48	0.00	1.00
R9NAGI8A	17205	0.66	0.48	0.00	1.00
R10NAGI8A	21902	0.63	0.48	0.00	1.00
R11NAGI8A	20535	0.62	0.49	0.00	1.00
R12NAGI8A	18731	0.64	0.48	0.00	1.00
R13NAGI8A	20875	0.61	0.49	0.00	1.00
R14NAGI8A	17118	0.62	0.49	0.00	1.00
R15NAGI8A	15650	0.60	0.49	0.00	1.00
S2NAGI8A	13086	0.48	0.50	0.00	1.00
S3NAGI8A	11901	0.55	0.50	0.00	1.00
S4NAGI8A	13967	0.55	0.50	0.00	1.00
S5NAGI8A	12723	0.57	0.50	0.00	1.00
S6NAGI8A	11629	0.60	0.49	0.00	1.00
S7NAGI8A	12963	0.58	0.49	0.00	1.00
S8NAGI8A	11726	0.61	0.49	0.00	1.00
S9NAGI8A	10636	0.61	0.49	0.00	1.00
S10NAGI8A	13429	0.58	0.49	0.00	1.00
S11NAGI8A	12472	0.58	0.49	0.00	1.00
S12NAGI8A	11009	0.59	0.49	0.00	1.00
S13NAGI8A	11770	0.57	0.50	0.00	1.00
S14NAGI8A	9352	0.57	0.50	0.00	1.00
S15NAGI8A	8456	0.54	0.50	0.00	1.00

### Categorical Variable Codes

Value-----	R1ADLFIVEA	R2ADLFIVEA	R3ADLFIVEA	R4ADLFIVEA	R5ADLFIVEA
.d:DK			2		1
.m:Missing		1			
.r:Refuse			1		
.s:skipped			36	28	23
.x:don't do	2		2	3	4
0.no	11419	17666	14930	17803	16217
1.yes	1231	1975	3020	3550	3333
Value-----	R6ADLFIVEA	R7ADLFIVEA	R8ADLFIVEA	R9ADLFIVEA	R10ADLFIVEA

.d:DK		1				
.r:Refuse				2		1
.s:skipped		7	10	7	9	131
.x:don't do		2	3	4	2	
0.no		15025	16878	15129	14158	17931
1.yes		3130	3238	3327	3048	3971
Value-----		R11ADLFIVEA	R12ADLFIVEA	R13ADLFIVEA	R14ADLFIVEA	R15ADLFIVEA
.r:Refuse		1	1	1		
.s:skipped		18	16	36	26	74
0.no		16866	15174	17145	14060	12904
1.yes		3669	3556	3730	3060	2745
Value-----		S1ADLFIVEA	S2ADLFIVEA	S3ADLFIVEA	S4ADLFIVEA	S5ADLFIVEA
.m:Missing			1			
.r:Refuse				1		
.s:skipped				11	7	5
.u:not coupled		2373	5968	5657	6868	6537
.v:SP NR		379	584	417	536	311
.x:don't do		1		1	1	1
0.no		9070	12138	10398	12201	11061
1.yes		829	951	1506	1771	1663
Value-----		S6ADLFIVEA	S7ADLFIVEA	S8ADLFIVEA	S9ADLFIVEA	S10ADLFIVEA
.s:skipped		3	1	1	2	79
.u:not coupled		6306	6777	6417	6206	7797
.v:SP NR		220	380	317	365	724
.x:don't do		1	1		2	
0.no		10175	11454	10140	9271	11576
1.yes		1460	1516	1594	1371	1858
Value-----		S11ADLFIVEA	S12ADLFIVEA	S13ADLFIVEA	S14ADLFIVEA	S15ADLFIVEA
.s:skipped		4	3	7	6	10
.u:not coupled		7473	7125	8024	6678	6193
.v:SP NR		597	610	1109	1110	1064
0.no		10785	9432	10182	8081	7340
1.yes		1695	1577	1590	1271	1116
Value-----		R1ADLTOT6A	R2ADLTOT6A	R3ADLTOT6A	R4ADLTOT6A	R5ADLTOT6A
.d:DK				1		1
.m:Missing			1			
.r:Refuse				1		
.s:skipped				36	28	23
.x:don't do		1		1	3	4
0.no		11290	17177	14685	17554	15943
1.yes		1361	2464	3267	3799	3607
Value-----		R6ADLTOT6A	R7ADLTOT6A	R8ADLTOT6A	R9ADLTOT6A	R10ADLTOT6A
.d:DK		1				
.r:Refuse				2		1
.s:skipped		7	10	7	9	131
.x:don't do		2	3	4	2	
0.no		14736	16573	14845	13881	17657
1.yes		3419	3543	3611	3325	4245
Value-----		R11ADLTOT6A	R12ADLTOT6A	R13ADLTOT6A	R14ADLTOT6A	R15ADLTOT6A
.r:Refuse		1	1	1		
.s:skipped		18	16	36	26	74
0.no		16585	14909	16876	13812	12705
1.yes		3950	3821	3999	3308	2944
Value-----		S1ADLTOT6A	S2ADLTOT6A	S3ADLTOT6A	S4ADLTOT6A	S5ADLTOT6A
.m:Missing			1			
.r:Refuse				1		
.s:skipped				11	7	5
.u:not coupled		2373	5968	5657	6868	6537
.v:SP NR		379	584	417	536	311
.x:don't do		1		1	1	1
0.no		8970	11900	10279	12090	10939
1.yes		929	1189	1625	1882	1785
Value-----		S6ADLTOT6A	S7ADLTOT6A	S8ADLTOT6A	S9ADLTOT6A	S10ADLTOT6A
.s:skipped		3	1	1	2	79
.u:not coupled		6306	6777	6417	6206	7797
.v:SP NR		220	380	317	365	724
.x:don't do		1	1		2	



0.no	10041	11316	10009	9155	11455
1.yes	1594	1654	1725	1487	1979
Value-----	S11ADLTOT6A	S12ADLTOT6A	S13ADLTOT6A	S14ADLTOT6A	S15ADLTOT6A
.s:skipped	4	3	7	6	10
.u:not coupled	7473	7125	8024	6678	6193
.v:SP NR	597	610	1109	1110	1064
0.no	10658	9313	10067	7984	7258
1.yes	1822	1696	1705	1368	1198
Value-----		R2IADLFOURA	R3IADLFOURA	R4IADLFOURA	R5IADLFOURA
.d:DK		1	1		1
.m:Missing		2			
.r:Refuse		2	3	4	2
.s:skipped			36	28	24
.x:don't do		4	6	5	2
.z:don't do/no if did				7	6
0.no		17104	15364	18396	16833
1.yes		2529	2581	2944	2710
Value-----	R6IADLFOURA	R7IADLFOURA	R8IADLFOURA	R9IADLFOURA	R10IADLFOURA
.d:DK	1	1			
.r:Refuse		3	3	1	4
.s:skipped	7	10	7	9	135
.x:don't do	3	1	1	1	
.z:don't do/no if did	5	4	1	3	1
0.no	15477	17204	15638	14546	18300
1.yes	2672	2906	2819	2657	3594
Value-----	R11IADLFOURA	R12IADLFOURA	R13IADLFOURA	R14IADLFOURA	R15IADLFOURA
.m:Missing				1	
.r:Refuse	2	1	1	2	
.s:skipped	18	17	37	29	77
.x:don't do	1	1			
.z:don't do/no if did	1				
0.no	17192	15490	17435	14374	13296
1.yes	3340	3238	3439	2740	2350
Value-----		S2IADLFOURA	S3IADLFOURA	S4IADLFOURA	S5IADLFOURA
.d:DK		1			
.m:Missing		1			
.r:Refuse		2	2		1
.s:skipped			11	7	5
.u:not coupled		5968	5657	6868	6537
.v:SP NR		584	417	536	311
.x:don't do		4	3		2
.z:don't do/no if did				7	4
0.no		11835	10718	12621	11512
1.yes		1247	1183	1345	1206
Value-----	S6IADLFOURA	S7IADLFOURA	S8IADLFOURA	S9IADLFOURA	S10IADLFOURA
.r:Refuse		1	2	1	2
.s:skipped	3	1	1	2	81
.u:not coupled	6306	6777	6417	6206	7797
.v:SP NR	220	380	317	365	724
.x:don't do		1	1		
.z:don't do/no if did	4	2		3	
0.no	10509	11681	10483	9535	11827
1.yes	1123	1286	1248	1105	1603
Value-----	S11IADLFOURA	S12IADLFOURA	S13IADLFOURA	S14IADLFOURA	S15IADLFOURA
.m:Missing				1	
.r:Refuse			1		
.s:skipped	4	4	7	6	11
.u:not coupled	7473	7125	8024	6678	6193
.v:SP NR	597	610	1109	1110	1064
.x:don't do	1				
.z:don't do/no if did	1				
0.no	10991	9625	10366	8243	7520
1.yes	1487	1383	1405	1108	935
Value-----		R2IADLTOTA_H	R3IADLTOTA_H	R4IADLTOTA_H	R5IADLTOTA_H
.d:DK			1		1
.m:Missing		1			
.r:Refuse		3	3	3	2
.s:skipped			36	28	24

.x:don't do					1
.z:don't do/no if did					1
0.no		15044	13385	16855	15385
1.yes		4594	4566	4496	4166
Value-----	R6IADLTOTA_H	R7IADLTOTA_H	R8IADLTOTA_H	R9IADLTOTA_H	R10IADLTOTA_H
.r:Refuse		2	2	1	4
.s:skipped	7	10	7	9	135
.x:don't do	1				
.z:don't do/no if did				1	1
0.no	14084	15733	14229	13219	16528
1.yes	4073	4384	4231	3987	5366
Value-----	R11IADLTOTA_H	R12IADLTOTA_H	R13IADLTOTA_H	R14IADLTOTA_H	R15IADLTOTA_H
.m:Missing				1	
.r:Refuse	1	1	1	2	
.s:skipped	18	17	37	29	76
.x:don't do	1				
0.no	15562	13803	15797	12884	12075
1.yes	4972	4926	5077	4230	3572
Value-----		S2IADLTOTA_H	S3IADLTOTA_H	S4IADLTOTA_H	S5IADLTOTA_H
.m:Missing		1			
.r:Refuse		3	2		1
.s:skipped			11	7	5
.u:not coupled		5968	5657	6868	6537
.v:SP NR		584	417	536	311
.z:don't do/no if did				1	
0.no		10376	9431	11644	10614
1.yes		2710	2473	2328	2110
Value-----	S6IADLTOTA_H	S7IADLTOTA_H	S8IADLTOTA_H	S9IADLTOTA_H	S10IADLTOTA_H
.r:Refuse		1	1	1	2
.s:skipped	3	1	1	2	81
.u:not coupled	6306	6777	6417	6206	7797
.v:SP NR	220	380	317	365	724
.z:don't do/no if did				1	
0.no	9656	10794	9657	8770	10825
1.yes	1980	2176	2076	1872	2605
Value-----	S11IADLTOTA_H	S12IADLTOTA_H	S13IADLTOTA_H	S14IADLTOTA_H	S15IADLTOTA_H
.m:Missing				1	
.r:Refuse			1		
.s:skipped	4	4	7	6	10
.u:not coupled	7473	7125	8024	6678	6193
.v:SP NR	597	610	1109	1110	1064
.x:don't do	1				
0.no	10105	8714	9547	7519	6958
1.yes	2374	2294	2224	1832	1498
Value-----	R1MOBILSEVA	R2MOBILSEVA	R3MOBILSEVA	R4MOBILSEVA	R5MOBILSEVA
.d:DK		2	1		2
.m:Missing		1			
.r:Refuse			2	4	3
.s:skipped			35	25	23
.x:don't do	3	2	4	8	8
0.no	4107	10258	6798	8039	7208
1.yes	8542	9379	11151	13308	12334
Value-----	R6MOBILSEVA	R7MOBILSEVA	R8MOBILSEVA	R9MOBILSEVA	R10MOBILSEVA
.d:DK		1		1	
.r:Refuse		3	2	1	5
.s:skipped	7	9	7	8	128
.x:don't do	3	10	6	6	1
0.no	5957	6941	5881	5444	7584
1.yes	12198	13165	12573	11757	14316
Value-----	R11MOBILSEVA	R12MOBILSEVA	R13MOBILSEVA	R14MOBILSEVA	R15MOBILSEVA
.d:DK		2			
.r:Refuse	1		1	2	
.s:skipped	18	15	36	26	73
.x:don't do	1				
0.no	7164	6190	7540	5730	5863
1.yes	13370	12540	13335	11388	9787
Value-----	S1MOBILSEVA	S2MOBILSEVA	S3MOBILSEVA	S4MOBILSEVA	S5MOBILSEVA

.m:Missing			1			
.r:Refuse				1		1
.s:skipped				10		5
.u:not coupled	2373	5968	5657	6868		6537
.v:SP NR	379	584	417	536		311
.x:don't do	2	1	4	5		1
0.no	3319	7034	4967	5787		5175
1.yes	6579	6054	6935	8181		7548
Value-----	S6MOBILSEVA	S7MOBILSEVA	S8MOBILSEVA	S9MOBILSEVA	S10MOBILSEVA	
.r:Refuse		1	1	1		2
.s:skipped	3	1	1	1		77
.u:not coupled	6306	6777	6417	6206		7797
.v:SP NR	220	380	317	365		724
.x:don't do		4		3		1
0.no	4267	4997	4247	3808		5192
1.yes	7369	7969	7486	6833		8241
Value-----	S11MOBILSEVA	S12MOBILSEVA	S13MOBILSEVA	S14MOBILSEVA	S15MOBILSEVA	
.r:Refuse			1			
.s:skipped	4	3	7	6		10
.u:not coupled	7473	7125	8024	6678		6193
.v:SP NR	597	610	1109	1110		1064
0.no	4894	4164	4760	3593		3596
1.yes	7586	6845	7011	5759		4860
Value-----	R1LOWERMOBA	R2LOWERMOBA	R3LOWERMOBA	R4LOWERMOBA	R5LOWERMOBA	
.d:DK			2			2
.q:not asked this wave		8222				
.r:Refuse			2	4		3
.s:skipped			35	25		23
.x:don't do	10		10	14		23
0.no	4447	5296	7394	8785		7780
1.yes	8195	6124	10548	12556		11747
Value-----	R6LOWERMOBA	R7LOWERMOBA	R8LOWERMOBA	R9LOWERMOBA	R10LOWERMOBA	
.d:DK		2				
.r:Refuse		3	3	1		5
.s:skipped	7	9	7	8		128
.x:don't do	11	26	13	17		6
0.no	6428	7542	6345	5893		8213
1.yes	11719	12547	12101	11298		13682
Value-----	R11LOWERMOBA	R12LOWERMOBA	R13LOWERMOBA	R14LOWERMOBA	R15LOWERMOBA	
.d:DK		2				
.r:Refuse	2		2	2		
.s:skipped	18	15	36	26		73
.x:don't do	4	2	3			
0.no	7696	6727	8087	6142		6301
1.yes	12834	12001	12784	10976		9349
Value-----	S1LOWERMOBA	S2LOWERMOBA	S3LOWERMOBA	S4LOWERMOBA	S5LOWERMOBA	
.q:not asked this wave		4549				
.r:Refuse			1	1		1
.s:skipped			10	6		5
.u:not coupled	2373	5968	5657	6868		6537
.v:SP NR	379	384	417	536		311
.x:don't do	8		6	7		7
0.no	3587	4206	5346	6257		5539
1.yes	6305	4535	6554	7709		7178
Value-----	S6LOWERMOBA	S7LOWERMOBA	S8LOWERMOBA	S9LOWERMOBA	S10LOWERMOBA	
.r:Refuse		1	2	1		2
.s:skipped	3	1	1	1		77
.u:not coupled	6306	6777	6417	6206		7797
.v:SP NR	220	380	317	365		724
.x:don't do	4	12	3	5		4
0.no	4576	5380	4523	4086		5562
1.yes	7056	7578	7206	6553		7868
Value-----	S11LOWERMOBA	S12LOWERMOBA	S13LOWERMOBA	S14LOWERMOBA	S15LOWERMOBA	
.r:Refuse			1			
.s:skipped	4	3	7	6		10
.u:not coupled	7473	7125	8024	6678		6193
.v:SP NR	597	610	1109	1110		1064
.x:don't do	1		2			

0.no	5197	4469	5072	3842	3812
1.yes	7282	6540	6697	5510	4644
Value-----	R1UPPERMOBA	R2UPPERMOBA	R3UPPERMOBA	R4UPPERMOBA	R5UPPERMOBA
.d:DK		2	1		2
.m:Missing		1			
.r:Refuse		1	3	6	4
.s:skipped			35	27	23
.x:don't do	3	2	9	17	16
0.no	8826	13826	12394	14795	13536
1.yes	3823	5810	5549	6539	5997
Value-----	R6UPPERMOBA	R7UPPERMOBA	R8UPPERMOBA	R9UPPERMOBA	R10UPPERMOBA
.d:DK	3	6	1	2	
.r:Refuse		4	2	1	8
.s:skipped	7	10	7	8	131
.x:don't do	7	14	10	7	5
0.no	12355	13773	12382	11437	14418
1.yes	5793	6322	6067	5762	7472
Value-----	R11UPPERMOBA	R12UPPERMOBA	R13UPPERMOBA	R14UPPERMOBA	R15UPPERMOBA
.d:DK		3		1	
.m:Missing					1
.r:Refuse	1	1	3	4	
.s:skipped	18	16	36	26	74
.x:don't do	2		2		
0.no	13563	11959	13842	11285	10509
1.yes	6970	6768	7029	5830	5139
Value-----	S1UPPERMOBA	S2UPPERMOBA	S3UPPERMOBA	S4UPPERMOBA	S5UPPERMOBA
.m:Missing		1			
.r:Refuse		1	2	1	2
.s:skipped			10	7	5
.u:not coupled	2373	5968	5657	6868	6537
.v:SP NR	379	584	417	536	311
.x:don't do	2	1	9	11	5
0.no	7122	9832	8766	10375	9458
1.yes	2776	3255	3130	3586	3260
Value-----	S6UPPERMOBA	S7UPPERMOBA	S8UPPERMOBA	S9UPPERMOBA	S10UPPERMOBA
.d:DK	1		1		
.r:Refuse		2	1	1	3
.s:skipped	3	1	1	1	79
.u:not coupled	6306	6777	6417	6206	7797
.v:SP NR	220	380	317	365	724
.x:don't do	2	6	1	3	2
0.no	8601	9613	8554	7767	9655
1.yes	3032	3350	3177	2874	3774
Value-----	S11UPPERMOBA	S12UPPERMOBA	S13UPPERMOBA	S14UPPERMOBA	S15UPPERMOBA
.d:DK		1		1	
.r:Refuse		1	2	1	
.s:skipped	4	3	7	6	10
.u:not coupled	7473	7125	8024	6678	6193
.v:SP NR	597	610	1109	1110	1064
.x:don't do			1		
0.no	9042	7792	8552	6772	6240
1.yes	3438	3215	3217	2578	2216
Value-----		R2NAGI10A	R3NAGI10A	R4NAGI10A	R5NAGI10A
.d:DK		2	1		2
.m:Missing		1			
.r:Refuse			2	4	3
.s:skipped			35	25	23
.x:don't do			4	6	4
0.no		8850	6377	7582	6772
1.yes		10789	11572	13767	12774
Value-----	R6NAGI10A	R7NAGI10A	R8NAGI10A	R9NAGI10A	R10NAGI10A
.d:DK		1		1	
.r:Refuse		3	1	1	4
.s:skipped	7	10	7	8	128
.x:don't do	2	7	2	2	
0.no	5580	6512	5497	5104	7138
1.yes	12576	13596	12962	12101	14764

Value-----	R11NAGI10A	R12NAGI10A	R13NAGI10A	R14NAGI10A	R15NAGI10A
.d:DK		1			
.r:Refuse	1		1	2	
.s:skipped	18	15	36	26	73
0.no	6786	5834	7096	5462	5566
1.yes	13749	12897	13779	11656	10084
Value-----		S2NAGI10A	S3NAGI10A	S4NAGI10A	S5NAGI10A
.m:Missing		1			
.r:Refuse			1	1	1
.s:skipped			10	6	5
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:don't do			4	4	1
0.no		6190	4668	5477	4864
1.yes		6897	7233	8490	7859
Value-----	S6NAGI10A	S7NAGI10A	S8NAGI10A	S9NAGI10A	S10NAGI10A
.r:Refuse		1	1	1	2
.s:skipped	3	1	1	1	77
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:don't do		3		2	
0.no	3999	4712	3984	3590	4909
1.yes	7630	8251	7742	7046	8520
Value-----	S11NAGI10A	S12NAGI10A	S13NAGI10A	S14NAGI10A	S15NAGI10A
.r:Refuse			1		
.s:skipped	4	3	7	6	10
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	4659	3951	4495	3431	3434
1.yes	7813	7058	7275	5921	5022
Value-----		R2NAGI8A	R3NAGI8A	R4NAGI8A	R5NAGI8A
.d:DK		2	1		2
.m:Missing		1			
.r:Refuse		1	2	4	3
.s:skipped			35	25	23
.x:don't do			4	6	4
0.no		9792	7303	8694	7730
1.yes		9846	10646	12655	11816
Value-----	R6NAGI8A	R7NAGI8A	R8NAGI8A	R9NAGI8A	R10NAGI8A
.d:DK		1		1	
.r:Refuse		3	2	1	4
.s:skipped	7	10	7	8	128
.x:don't do	2	7	2	2	
0.no	6493	7543	6392	5929	8179
1.yes	11663	12565	12066	11276	13723
Value-----	R11NAGI8A	R12NAGI8A	R13NAGI8A	R14NAGI8A	R15NAGI8A
.d:DK		1			
.r:Refuse	1		1	2	
.s:skipped	18	15	36	26	73
0.no	7790	6811	8096	6529	6334
1.yes	12745	11920	12779	10589	9316
Value-----		S2NAGI8A	S3NAGI8A	S4NAGI8A	S5NAGI8A
.m:Missing		1			
.r:Refuse		1	1	1	1
.s:skipped			10	6	5
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:don't do			4	4	1
0.no		6827	5320	6255	5524
1.yes		6259	6581	7712	7199
Value-----	S6NAGI8A	S7NAGI8A	S8NAGI8A	S9NAGI8A	S10NAGI8A
.r:Refuse		1	1	1	2
.s:skipped	3	1	1	1	77
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:don't do		3		2	
0.no	4615	5414	4576	4126	5586
1.yes	7014	7549	7150	6510	7843

Value-----	S11NAGI8A	S12NAGI8A	S13NAGI8A	S14NAGI8A	S15NAGI8A
.r:Refuse			1		
.s:skipped	4	3	7	6	10
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	5296	4565	5094	4016	3848
1.yes	7176	6444	6676	5336	4608

## How Constructed:

RwADLFIVE is a 5-item summary of any difficulty with activities of daily living. The activities of daily living included are bathing, dressing, eating, getting in and out of bed, and using the toilet. In Wave 1, RwADLFIVE is the sum of RwBATH + RwDRESS + RweAT + RwbED + v9034 (toilet), where "1.not at all diff" is counted as 0, and "2.a little diff", "3.somewhat diff", and "4.very diff/can't do" are counted as 1. The difficulty using the toilet variable, v9034, is only asked to a subset of Wave 1 respondents. Starting in Wave 2, RwADLFIVE is the sum of RwbATHA + RwdRESSA + RweATA + RwbEDA + RwtOILTA. RwADLFIVE is calculated as long as at least one of the comprising ADL measures is not missing. RwADLFIVEM is a summary of the number of comprising variables with missing values. RwADLFIVEA indicates whether the respondent experiences difficulties with any of the five ADL activities listed above, and is assigned a 1 if the respondent experiences any difficulties and a 0 if not. Responses of "don't do" are coded as special missing .x if RwADLFIVE is not calculated. RwtOILTA is not asked in the HRS sample in Wave 2, and so these variables are coded as special missing .q if it is not calculated for this sample. Don't know, refused, skipped, or other missing responses of these variables are assigned special missing codes .d, .r, .s, and .m, respectively. RwADLFIVE, RwADLFIVEM, and RwADLFIVEA are set to plain missing (.) for respondents who did not participate in the current wave.

SwADLFIVE, SwADLFIVEM, and SwADLFIVEA indicate the respondent's current wave's spouse's 5-item ADL summary, and are taken from RwADLFIVE, RwADLFIVEM, and RwADLFIVEA. In addition to the special missing codes employed by RwADLFIVE, RwADLFIVEM, and RwADLFIVEA, SwADLFIVE, SwADLFIVEM and SwADLFIVEA employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwADLTOT6 is a 6-item summary of any difficulty with activities of daily living. The activities of daily living included are bathing, dressing, eating, getting in and out of bed, using the toilet, and walking across a room. In Wave 1, RwADLTOT6 is the sum of RwBATH + RwDRESS + RweAT + RwbED + v9034 (toilet) + RwwALKR, where "1.not at all diff" is counted as 0, and "2.a little diff", "3.somewhat diff", and "4.very diff/can't do" are counted as 1. The difficulty using the toilet variable, v9034, is only asked to a subset of Wave 1 respondents. Starting in Wave 2, RwADLTOT6 is the sum of RwbATHA + RwdRESSA + RweATA + RwbEDA + RwtOILTA + RwwALKRA. RwADLTOT6 is calculated as long as at least one of the comprising ADL measures is not missing. RwADLTOT6M is a summary of the number of comprising variables with missing values. RwADLTOT6A indicates whether the respondent experiences difficulties with any of the six ADL activities listed above, and is assigned a 1 if the respondent experiences any difficulties and a 0 if not. Responses of "don't do" are coded as special missing .x if RwADLTOT6 is not calculated. RwtOILTA is not asked in the HRS sample in Wave 2, and so these variables are coded as special missing .q if it is not calculated for this sample. Don't know, refused, skipped, or other missing responses of these variables are assigned special missing codes .d, .r, .s, and .m, respectively. RwADLTOT6, RwADLTOT6M, and RwADLTOT6A are set to plain missing (.) for respondents who did not participate in the current wave.

SwADLTOT6, SwADLTOT6M, and SwADLTOT6A indicate the respondent's current wave's spouse's 6-item ADL summary, and are taken from RwADLTOT6, RwADLTOT6M, and RwADLTOT6A. In addition to the special missing codes employed by RwADLTOT6, RwADLTOT6M, and RwADLTOT6A, SwADLTOT6, SwADLTOT6M and SwADLTOT6A employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwIADLFOUR is a 4-item summary of any difficulty with instrumental activities of daily living. The instrumental activities of daily living included are managing money, taking medications, shopping for groceries, and preparing meals. Questions about difficulty managing money, taking medications, shopping for groceries, and preparing meals were not asked in Wave 1. Starting in Wave 2, RwIADLFOUR is the sum of RwmONEYA + RwmEDSA + RwsHOPA + RwmEALSA. RwIADLFOUR is calculated as long as at least one of the comprising IADL measures is not missing. RwIADLFOURM is a summary of the number of comprising variables with missing values. RwIADLFOURA indicates whether the respondent experiences difficulties with any of

the four IADL activities listed above, and is assigned a 1 if the respondent experiences any difficulties and a 0 if not. RwsHOPA and RwsEALSA are not asked in the HRS sample in Wave 2, and so RwiADLFOUR is coded as special missing .q if it is not calculated for this sample. Responses of "don't do" are coded as special missing .x if RwiADLFOUR is not calculated. Starting in Wave 4, responses of "don't do/no if did" are coded as special missing .z if RwiADLFOUR is not calculated. Don't know, refused, skipped, or other missing responses of these variables are assigned special missing codes .d, .r, .s, and .m, respectively. RwiADLFOUR, RwiADLFOURM, and RwiADLFOURA are set to plain missing (.) for respondents who did not participate in the current wave.

SwiADLFOUR, SwiADLFOURM, and SwiADLFOURA indicate the respondent's current wave's spouse's 4-item IADL summary, and are taken from RwiADLFOUR, RwiADLFOURM, and RwiADLFOURA. In addition to the special missing codes employed by RwiADLFOUR, RwiADLFOURM, and RwiADLFOURA, SwiADLFOUR, SwiADLFOURM and SwiADLFOURA employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwiADLTOT\_H is a 6-item summary of any difficulty with instrumental activities of daily living. The instrumental activities of daily living included are managing money, taking medications, shopping for groceries, preparing meals, using a map, and using the phone. Questions about difficulty managing money, taking medications, shopping for groceries, preparing meals, and using the phone were not asked in Wave 1, so these summary variables are not created for that wave. Starting in Wave 2, RwiADLTOT\_H is the sum of RwmONEYA + RwmEDSA + RwsHOPA + RwsEALSA + RwmAPA + RwpHONEA. RwiADLTOT\_H is calculated as long as at least one of the comprising IADL measures is not missing. RwiADLTOTM\_H is a summary of the number of comprising variables with missing values. RwiADLTOTA\_H indicates whether the respondent experiences difficulties with any of the six IADL activities listed above, and is assigned a 1 if the respondent experiences any difficulties and a 0 if not. RwsHOPA and RwsEALSA are not asked in the HRS sample in Wave 2, and so these variables are coded as special missing .q if it is not calculated for this sample. RwmAPA is not asked in the AHEAD sample in Wave 2, and so these variables are coded as special missing .q if it is not calculated for this sample. Responses of "don't do" are coded as special missing .x if RwiADLTOT\_H is not calculated. Starting in Wave 4, responses of "don't do/no if did" are coded as special missing .z if RwiADLTOT\_H is not calculated. Don't know, refused, skipped, or other missing responses of these variables are assigned special missing codes .d, .r, .s, and .m, respectively. RwiADLTOT\_H, RwiADLTOTM\_H, and RwiADLTOTA\_H are set to plain missing (.) for respondents who did not participate in the current wave.

SwiADLTOT\_H, SwiADLTOTM\_H, and SwiADLTOTA\_H indicate the respondent's current wave's spouse's 6-item IADL summary, and are taken from RwiADLTOT\_H, RwiADLTOTM\_H, and RwiADLTOTA\_H. In addition to the special missing codes employed by RwiADLTOT\_H, RwiADLTOTM\_H, and RwiADLTOTA\_H, SwiADLTOT\_H, SwiADLTOTM\_H and SwiADLTOTA\_H employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwMOBILSEV is a 7-item summary of any difficulty with mobility activities. The mobility activities included are walking one block, climbing several flights of stairs, getting up from a chair, stooping or kneeling or crouching, extending arms up, lifting 10 pounds, and picking up a dime. In Wave 1, RwMOBILSEV is the sum of RwwALK1 + RwwCLIMS + RwwCHAIR + RwwSTOOP + RwwARMSA + RwwLIFT + RwwDIME, where "1.yes" and "2.can't do" are counted as 1. Starting in Wave 2, RwMOBILSEV is the sum of RwwALK1A + RwwCLIMSA + RwwCHAIRA + RwwSTOOPA + RwwARMSA + RwwLIFTA + RwwDIMEA. RwMOBILSEV is calculated as long as at least one of the comprising mobility measures is not missing. RwMOBILSEVM is a summary of the number of comprising variables with missing values. RwMOBILSEVA indicates whether the respondent experiences difficulties with any of the seven mobility activities listed above, and is assigned a 1 if the respondent experiences any difficulties and a 0 if not. Responses of "don't do" are coded as special missing .x if RwMOBILSEV is not calculated. RwwALK1A, RwwCLIMSA, RwwCHAIRA, RwwSTOOPA, and RwwARMSA are not asked in the AHEAD sample in Wave 2, and so RwMOBILSEV and RwMOBILSEVA are coded as special missing .q if they are not calculated for this sample. Don't know, refused, skipped, or other missing responses of these variables are assigned special missing codes .d, .r, .s, and .m, respectively. RwMOBILSEV, RwMOBILSEVM and RwMOBILSEVA are set to plain missing (.) for respondents who did not participate in the current wave.

SwMOBILSEV, SwMOBILSEVM, and SwMOBILSEVA indicate the respondent's current wave's spouse's 7-item mobility summary, and are taken from RwMOBILSEV, RwMOBILSEVM and RwMOBILSEVA. In addition to the special missing codes employed by RwMOBILSEV, RwMOBILSEVM, and RwMOBILSEVA, SwMOBILSEV, SwMOBILSEVM, and SwMOBILSEVA employ two additional special missing codes. A special missing value .u is used when the

respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLOWERMOb is a 4-item summary of any difficulty with lower-body mobility activities. The lower-body mobility activities included are walking one block, climbing several flights of stairs, getting up from a chair, and stooping or kneeling or crouching. In Wave 1, RwLOWERMOb is the sum of RwWALK1 + RwCLIMS + RwCHAIR, where "1.yes" and "2.can't do" are counted as 1. Starting in Wave 2, RwLOWERMOb is the sum of RwWALK1A + RwCLIMS + RwCHAIRA + RwSTOOPA. RwLOWERMOb is calculated as long as at least one of the comprising lower-body mobility measures is not missing. RwLOWERMObM is a summary of the number of comprising variables with missing values. RwLOWERMObA indicates whether the respondent experiences difficulties with any of the four lower-body mobility activities listed above, and is assigned a 1 if the respondent experiences any difficulties and a 0 if not. Responses of "don't do" are coded as special missing .x if RwLOWERMOb is not calculated. RwWALK1A, RwCLIMS, RwCHAIRA, and RwSTOOPA are not asked in the AHEAD sample in Wave 2, and so RwLOWERMOb and RwLOWERMObA are coded as special missing .q for this sample. Don't know, refused, skipped, or other missing responses of these variables are assigned special missing codes .d, .r, .s, and .m, respectively. RwLOWERMOb, RwLOWERMObM, and RwLOWERMObA are set to plain missing (.) for respondents who did not participate in the current wave.

SwLOWERMOb, SwLOWERMObM, and SwLOWERMObA indicate the respondent's current wave's spouse's 4-item lower-body mobility summary, and are taken from RwLOWERMOb, RwLOWERMObM, and RwLOWERMObA. In addition to the special missing codes employed by RwLOWERMOb, RwLOWERMObM, and RwLOWERMObA, SwLOWERMOb, SwLOWERMObM, and SwLOWERMObA employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwUPPERMOB is a 3-item summary of any difficulty with upper-body mobility activities. The upper-body mobility activities included are extending arms up, lifting 10 pounds, and picking up a dime. In Wave 1, RwUPPERMOB is the sum of RwARMS + RwLIFT + RdDIME, where "1.yes" and "2.can't do" are counted as 1. Starting in Wave 2, RwUPPERMOB is the sum of RwARMSA + RwLIFTA + RdDIMEA. RwUPPERMOB is calculated as long as at least one of the comprising upper-body mobility measures is not missing. RwUPPERMOBM is a summary of the number of comprising variables with missing values. RwUPPERMOBA indicates whether the respondent experiences difficulties with any of the three upper-body mobility activities listed above, and is assigned a 1 if the respondent experiences any difficulties and a 0 if not. Responses of "don't do" are coded as special missing .x if RwUPPERMOB is not calculated. RwARMSA is not asked in the AHEAD sample in Wave 2, and so RwUPPERMOB and RwUPPERMOBA are coded as special missing .q if they are not calculated for this sample. Don't know, refused, skipped, or other missing responses of these variables are assigned special missing codes .d, .r, .s, and .m, respectively. RwUPPERMOB, RwUPPERMOBM, and RwUPPERMOBA are set to plain missing (.) for respondents who did not participate in the current wave.

SwUPPERMOB, SwUPPERMOBM, and SwUPPERMOBA indicate the respondent's current wave's spouse's 3-item upper-body mobility summary, and are taken from RwUPPERMOB, RwUPPERMOBM, and RwUPPERMOBA. In addition to the special missing codes employed by RwUPPERMOB, RwUPPERMOBM, and RwUPPERMOBA, SwUPPERMOB, SwUPPERMOBM, and SwUPPERMOBA employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwNAGI10 is a 10-item summary of any difficulty with mobility activities. The mobility activities included are walking one block, sitting for 2 hours, climbing several flights of stairs, getting up from a chair, climbing 1 flight of stairs, stooping or kneeling or crouching, extending arms up, pushing/pulling a large object, lifting 10 pounds, and picking up a dime. RwNAGI10 is the sum of RwWALK1A + RwSITA + RwCLIMS + RwCHAIRA + RwCLIM1A + RwSTOOPA + RwARMSA + RwpUSHA + RwLIFTA + RdDIMEA, where "1.yes" and "2.can't do" are counted as 1. RwNAGI10 is calculated for all respondents who answered at least one of the NAGI item component questions. RwNAGI10M is a summary of the number of comprising variables with missing values. RwNAGI10A indicates whether the respondent experiences difficulties with any of the ten mobility activities listed above, and is assigned a 1 if the respondent experiences any difficulties and a 0 if not. Responses of "don't do" are coded as special missing .x if RwNAGI10 is not calculated. RwWALK1A, RwCLIMS, RwCHAIRA, RwSTOOPA, and RwARMSA are not asked in the AHEAD sample in Wave 2, and so RwNAGI10 is coded as special missing .q if they are not calculated for this sample. Don't know, refused, skipped, or other missing responses of these variables are assigned special missing codes .d, .r, .s, and .m, respectively. RwNAGI10 and RwNAGI10M are set to plain missing (.) for respondents who did not participate in the current wave.



SwNAGI10 and SwNAGI10M indicate the respondent's current wave's spouse's 10-item mobility summary, and are taken from RwnAGI10 and RwnAGI10M. In addition to the special missing codes employed by RwnAGI10 and RwnAGI10M, SwNAGI10 and SwNAGI10M employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwnAGI8 is a 8-item summary of any difficulty with mobility activities. The mobility activities included are walking one block, sitting for 2 hours, getting up from a chair, stooping or kneeling or crouching, extending arms up, pushing/pulling a large object, lifting 10 pounds, and picking up a dime. RwnAGI8 is the sum of RwnWALK1A + RwnSITA + RwnCHAIRA + RwnSTOOPA + RwnARMSA + RwnPUSHA + RwnLIFTA + RwnDIMEA, where "1.yes" and "2.can't do" are counted as 1. RwnAGI8 is calculated for all respondents who answered at least one of the NAGI item component questions. RwnAGI8M is a summary of the number of comprising variables with missing values. RwnAGI8A indicates whether the respondent experiences difficulties with any of the eight mobility activities listed above, and is assigned a 1 if the respondent experiences any difficulties and a 0 if not. Responses of "don't do" are coded as special missing .x if RwnAGI8 is not calculated. RwnWALK1A, RwnCLIMSA, RwnCHAIRA, RwnSTOOPA, and RwnARMSA are not asked in the AHEAD sample in Wave 2, and so RwnAGI8 is coded as special missing .q if they are not calculated for this sample. Don't know, refused, skipped, or other missing responses of these variables are assigned special missing codes .d, .r, .s, and .m, respectively. RwnAGI8 and RwnAGI8M are set to plain missing (.) for respondents who did not participate in the current wave.

SwNAGI8 and SwNAGI8M indicate the respondent's current wave's spouse's 8-item mobility summary, and are taken from RwnAGI8 and RwnAGI8M. In addition to the special missing codes employed by RwnAGI8 and RwnAGI8M, SwNAGI8 and SwNAGI8M employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

A question about difficulty using the toilet was only asked to a small subsample of respondents in Wave 1, and to all respondents in the AHEAD sample in Wave 2, but to no respondents in the HRS sample in Wave 2. Starting in Wave 3, this question was asked to all respondents.

Questions about difficulty managing money, taking medications, and using the phone were not asked in Wave 1. Starting in Wave 2, these questions were asked to all respondents.

Questions about difficulty shopping for groceries and preparing meals were not asked in Wave 1. In Wave 2, these questions were only asked to the AHEAD sample and not to the HRS sample. Starting in Wave 3, these questions were asked to all respondents.

Questions about difficulty using a map, walking one block, getting up from a chair, stopping, and raising their arms were not asked in the AHEAD sample in Wave 2, but were asked to the HRS sample.

Please note that the "raw recode" variables in the RAND HRS are used to construct the mobility measures in Wave 1, whereas the "some difficulty" variables in the RAND HRS are used to construct the mobility measures in Wave 2 and onward. While the RAND HRS does not provide a raw recode for difficulty using the toilet in Wave 1, a variable asked to a subset of the population was used to create the measure here.

Please see the RAND HRS for any additional cross wave differences in the comprising variables.

## HRS Variables Used:

### RAND HRS:

R10ARMSA	r10armsa:w10 r any diff-rch/xtnd arms up
R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10CHAIRA	r10chaira:w10 r any diff-get up fr chair
R10CLIM1A	r10clim1a:w10 r any diff-clmb 1 flt stair
R10CLIMSA	r10climsa:w10 r any diff-clmb sev flt str
R10DIMEA	r10dimea:w10 r any diff-pick up a dime
R10DRESSA	r10dressa:w10 r any diff-dressing

R10EATA r10eata:w10 r any diff-eating  
R10LIFTA r10lifta:w10 r any diff-lift/carry 10lbs  
R10MAPA r10mapa:w10 r any diff-use a map  
R10MEALSA r10mealsa:w10 r any diff-prepare hot meal  
R10MEDSA r10medsa:w10 r any diff-take medications  
R10MONEYA r10moneya:w10 r any diff-managing money  
R10PHONEA r10phonea:w10 r any diff-use telephone  
R10PUSHA r10pusha:w10 r any diff-push/pull lg obj  
R10SHOPA r10shopa:w10 r any diff-shop for grocery  
R10SITA r10sita:w10 r any diff-sit for 2 hours  
R10STOOPA r10stoopa:w10 r any diff-stoop/kneel/crch  
R10TOILTA r10toilta:w10 r any diff-using the toilet  
R10WALK1A r10walk1a:w10 r any diff-walk one block  
R10WALKRA r10walkra:w10 r any diff-walk across room  
R11ARMSA r11armsa:w11 r any diff-rch/xtnd arms up  
R11BATHA r11batha:w11 r any diff-bathing, shower  
R11BEDA r11beda:w11 r any diff-get in/out bed  
R11CHAIRA r11chaira:w11 r any diff-get up fr chair  
R11CLIM1A r11clim1a:w11 r any diff-clmb 1 flt stair  
R11CLIMSA r11climsa:w11 r any diff-clmb sev flt str  
R11DIMEA r11dimea:w11 r any diff-pick up a dime  
R11DRESSA r11dressa:w11 r any diff-dressing  
R11EATA r11eata:w11 r any diff-eating  
R11LIFTA r11lifta:w11 r any diff-lift/carry 10lbs  
R11MAPA r11mapa:w11 r any diff-use a map  
R11MEALSA r11mealsa:w11 r any diff-prepare hot meal  
R11MEDSA r11medsa:w11 r any diff-take medications  
R11MONEYA r11moneya:w11 r any diff-managing money  
R11PHONEA r11phonea:w11 r any diff-use telephone  
R11PUSHA r11pusha:w11 r any diff-push/pull lg obj  
R11SHOPA r11shopa:w11 r any diff-shop for grocery  
R11SITA r11sita:w11 r any diff-sit for 2 hours  
R11STOOPA r11stoopa:w11 r any diff-stoop/kneel/crch  
R11TOILTA r11toilta:w11 r any diff-using the toilet  
R11WALK1A r11walk1a:w11 r any diff-walk one block  
R11WALKRA r11walkra:w11 r any diff-walk across room  
R12ARMSA r12armsa:w12 r any diff-rch/xtnd arms up  
R12BATHA r12batha:w12 r any diff-bathing, shower  
R12BEDA r12beda:w12 r any diff-get in/out bed  
R12CHAIRA r12chaira:w12 r any diff-get up fr chair  
R12CLIM1A r12clim1a:w12 r any diff-clmb 1 flt stair  
R12CLIMSA r12climsa:w12 r any diff-clmb sev flt str  
R12DIMEA r12dimea:w12 r any diff-pick up a dime  
R12DRESSA r12dressa:w12 r any diff-dressing  
R12EATA r12eata:w12 r any diff-eating  
R12LIFTA r12lifta:w12 r any diff-lift/carry 10lbs  
R12MAPA r12mapa:w12 r any diff-use a map  
R12MEALSA r12mealsa:w12 r any diff-prepare hot meal  
R12MEDSA r12medsa:w12 r any diff-take medications  
R12MONEYA r12moneya:w12 r any diff-managing money  
R12PHONEA r12phonea:w12 r any diff-use telephone  
R12PUSHA r12pusha:w12 r any diff-push/pull lg obj  
R12SHOPA r12shopa:w12 r any diff-shop for grocery  
R12SITA r12sita:w12 r any diff-sit for 2 hours  
R12STOOPA r12stoopa:w12 r any diff-stoop/kneel/crch  
R12TOILTA r12toilta:w12 r any diff-using the toilet  
R12WALK1A r12walk1a:w12 r any diff-walk one block  
R12WALKRA r12walkra:w12 r any diff-walk across room  
R13ARMSA r13armsa:w13 r any diff-rch/xtnd arms up  
R13BATHA r13batha:w13 r any diff-bathing, shower  
R13BEDA r13beda:w13 r any diff-get in/out bed  
R13CHAIRA r13chaira:w13 r any diff-get up fr chair  
R13CLIM1A r13clim1a:w13 r any diff-clmb 1 flt stair

R13CLIMSA r13climsa:w13 r any diff-clmb sev flt str  
R13DIMEA r13dimea:w13 r any diff-pick up a dime  
R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13LIFTA r13lifta:w13 r any diff-lift/carry 10lbs  
R13MAPA r13mapa:w13 r any diff-use a map  
R13MEALSA r13mealsa:w13 r any diff-prepare hot meal  
R13MEDSA r13medsa:w13 r any diff-take medications  
R13MONEYA r13moneya:w13 r any diff-managing money  
R13PHONEA r13phonea:w13 r any diff-use telephone  
R13PUSHA r13pusha:w13 r any diff-push/pull lg obj  
R13SHOPA r13shopa:w13 r any diff-shop for grocery  
R13SITA r13sita:w13 r any diff-sit for 2 hours  
R13STOOPA r13stooopa:w13 r any diff-stoop/kneel/crch  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALK1A r13walk1a:w13 r any diff-walk one block  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14ARMSA r14armsa:w14 r any diff-rch/xtnd arms up  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14CHAIRA r14chaira:w14 r any diff-get up fr chair  
R14CLIM1A r14clim1a:w14 r any diff-clmb 1 flt stair  
R14CLIMSA r14climsa:w14 r any diff-clmb sev flt str  
R14DIMEA r14dimea:w14 r any diff-pick up a dime  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14LIFTA r14lifta:w14 r any diff-lift/carry 10lbs  
R14MAPA r14mapa:w14 r any diff-use a map  
R14MEALSA r14mealsa:w14 r any diff-prepare hot meal  
R14MEDSA r14medsa:w14 r any diff-take medications  
R14MONEYA r14moneya:w14 r any diff-managing money  
R14PHONEA r14phonea:w14 r any diff-use telephone  
R14PUSHA r14pusha:w14 r any diff-push/pull lg obj  
R14SHOPA r14shopa:w14 r any diff-shop for grocery  
R14SITA r14sita:w14 r any diff-sit for 2 hours  
R14STOOPA r14stooopa:w14 r any diff-stoop/kneel/crch  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALK1A r14walk1a:w14 r any diff-walk one block  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15ARMSA r15armsa:w15 r any diff-rch/xtnd arms up  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15CHAIRA r15chaira:w15 r any diff-get up fr chair  
R15CLIM1A r15clim1a:w15 r any diff-clmb 1 flt stair  
R15CLIMSA r15climsa:w15 r any diff-clmb sev flt str  
R15DIMEA r15dimea:w15 r any diff-pick up a dime  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15LIFTA r15lifta:w15 r any diff-lift/carry 10lbs  
R15MAPA r15mapa:w15 r any diff-use a map  
R15MEALSA r15mealsa:w15 r any diff-prepare hot meal  
R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15PUSHA r15pusha:w15 r any diff-push/pull lg obj  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15SITA r15sita:w15 r any diff-sit for 2 hours  
R15STOOPA r15stooopa:w15 r any diff-stoop/kneel/crch  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALK1A r15walk1a:w15 r any diff-walk one block  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R1ARMS r1arms:w1 r diff-reach/extnd arms up  
R1BATH r1bath:w1 r diff-bathing or showerng

R1BED r1bed:w1 r diff-get in/out of bed  
R1CHAIR r1chair:w1 r diff-get up fr chair  
R1CLIMS r1clims:w1 r diff-climb sev flt stair  
R1DIME r1dime:w1 r diff-pick up a dime  
R1DRESS r1dress:w1 r diff-dressing  
R1EAT r1eat:w1 r diff-eating  
R1LIFT r1lift:w1 r diff-lift/carry 10lbs  
R1MAP r1map:w1 r diff-use a map  
R1STOOP r1stoop:w1 r diff-stoop/kneel/crouch  
R1WALK1 r1walk1:w1 r diff-walk one block  
R1WALKR r1walkr:w1 r diff-walk across room  
R2ARMSA r2armsa:w2 r any diff-rch/xtnd arms up  
R2BATHA r2batha:w2 r any diff-bathing, shower  
R2BEDA r2beda:w2 r any diff-get in/out bed  
R2CHAIRA r2chaira:w2 r any diff-get up fr chair  
R2CLIM1A r2clim1a:w2 r any diff-clmb 1 flt stair  
R2CLIMSA r2climsa:w2 r any diff-clmb sev flt str  
R2DIMEA r2dimea:w2 r any diff-pick up a dime  
R2DRESSA r2dressa:w2 r any diff-dressing  
R2EATA r2eata:w2 r any diff-eating  
R2LIFTA r2lifta:w2 r any diff-lift/carry 10lbs  
R2MAPA r2mapa:w2 r any diff-use a map  
R2MEALSA r2mealsa:w2 r any diff-prepare hot meal  
R2MEDSA r2medsa:w2 r any diff-take medications  
R2MONEYA r2moneya:w2 r any diff-managing money  
R2PHONEA r2phonea:w2 r any diff-use telephone  
R2PUSHA r2pusha:w2 r any diff-push/pull lg obj  
R2SHOPA r2shopa:w2 r any diff-shop for grocery  
R2SITA r2sita:w2 r any diff-sit for 2 hours  
R2STOOPA r2stooopa:w2 r any diff-stoop/kneel/crch  
R2TOILTA r2toilta:w2 r any diff-using the toilet  
R2WALK1A r2walk1a:w2 r any diff-walk one block  
R2WALKRA r2walkra:w2 r any diff-walk across room  
R3ARMSA r3armsa:w3 r any diff-rch/xtnd arms up  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3CHAIRA r3chaira:w3 r any diff-get up fr chair  
R3CLIM1A r3clim1a:w3 r any diff-clmb 1 flt stair  
R3CLIMSA r3climsa:w3 r any diff-clmb sev flt str  
R3DIMEA r3dimea:w3 r any diff-pick up a dime  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3LIFTA r3lifta:w3 r any diff-lift/carry 10lbs  
R3MAPA r3mapa:w3 r any diff-use a map  
R3MAPA r3mapa:w3 r any diff-use a map  
R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3PUSHA r3pusha:w3 r any diff-push/pull lg obj  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3SITA r3sita:w3 r any diff-sit for 2 hours  
R3STOOPA r3stooopa:w3 r any diff-stoop/kneel/crch  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALK1A r3walk1a:w3 r any diff-walk one block  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4ARMSA r4armsa:w4 r any diff-rch/xtnd arms up  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4CHAIRA r4chaira:w4 r any diff-get up fr chair  
R4CLIM1A r4clim1a:w4 r any diff-clmb 1 flt stair  
R4CLIMSA r4climsa:w4 r any diff-clmb sev flt str  
R4DIMEA r4dimea:w4 r any diff-pick up a dime

R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4LIFTA r4lifta:w4 r any diff-lift/carry 10lbs  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4PUSHA r4pusha:w4 r any diff-push/pull lg obj  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4SITA r4sita:w4 r any diff-sit for 2 hours  
R4STOOPA r4stooopa:w4 r any diff-stoop/kneel/crch  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALK1A r4walk1a:w4 r any diff-walk one block  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5ARMSA r5armsa:w5 r any diff-rch/xtnd arms up  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5CHAIRA r5chaira:w5 r any diff-get up fr chair  
R5CLIM1A r5clim1a:w5 r any diff-clmb 1 flt stair  
R5CLIMSA r5climsa:w5 r any diff-clmb sev flt str  
R5DIMEA r5dimea:w5 r any diff-pick up a dime  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5LIFTA r5lifta:w5 r any diff-lift/carry 10lbs  
R5MAPA r5mapa:w5 r any diff-use a map  
R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
R5MEDSA r5medsa:w5 r any diff-take medications  
R5MONEYA r5moneya:w5 r any diff-managing money  
R5PHONEA r5phonea:w5 r any diff-use telephone  
R5PUSHA r5pusha:w5 r any diff-push/pull lg obj  
R5SHOPA r5shopa:w5 r any diff-shop for grocery  
R5SITA r5sita:w5 r any diff-sit for 2 hours  
R5STOOPA r5stooopa:w5 r any diff-stoop/kneel/crch  
R5TOILTA r5toilta:w5 r any diff-using the toilet  
R5WALK1A r5walk1a:w5 r any diff-walk one block  
R5WALKRA r5walkra:w5 r any diff-walk across room  
R6ARMSA r6armsa:w6 r any diff-rch/xtnd arms up  
R6BATHA r6batha:w6 r any diff-bathing, shower  
R6BEDA r6beda:w6 r any diff-get in/out bed  
R6CHAIRA r6chaira:w6 r any diff-get up fr chair  
R6CLIM1A r6clim1a:w6 r any diff-clmb 1 flt stair  
R6CLIMSA r6climsa:w6 r any diff-clmb sev flt str  
R6DIMEA r6dimea:w6 r any diff-pick up a dime  
R6DRESSA r6dressa:w6 r any diff-dressing  
R6EATA r6eata:w6 r any diff-eating  
R6LIFTA r6lifta:w6 r any diff-lift/carry 10lbs  
R6MAPA r6mapa:w6 r any diff-use a map  
R6MEALSA r6mealsa:w6 r any diff-prepare hot meal  
R6MEDSA r6medsa:w6 r any diff-take medications  
R6MONEYA r6moneya:w6 r any diff-managing money  
R6PHONEA r6phonea:w6 r any diff-use telephone  
R6PUSHA r6pusha:w6 r any diff-push/pull lg obj  
R6SHOPA r6shopa:w6 r any diff-shop for grocery  
R6SITA r6sita:w6 r any diff-sit for 2 hours  
R6STOOPA r6stooopa:w6 r any diff-stoop/kneel/crch  
R6TOILTA r6toilta:w6 r any diff-using the toilet  
R6WALK1A r6walk1a:w6 r any diff-walk one block  
R6WALKRA r6walkra:w6 r any diff-walk across room  
R7ARMSA r7armsa:w7 r any diff-rch/xtnd arms up  
R7BATHA r7batha:w7 r any diff-bathing, shower  
R7BEDA r7beda:w7 r any diff-get in/out bed  
R7CHAIRA r7chaira:w7 r any diff-get up fr chair  
R7CLIM1A r7clim1a:w7 r any diff-clmb 1 flt stair

R7CLIMSA r7climsa:w7 r any diff-clmb sev flt str  
R7DIMEA r7dimea:w7 r any diff-pick up a dime  
R7DRESSA r7dressa:w7 r any diff-dressing  
R7EATA r7eata:w7 r any diff-eating  
R7LIFTA r7lifta:w7 r any diff-lift/carry 10lbs  
R7MAPA r7mapa:w7 r any diff-use a map  
R7MEALSA r7mealsa:w7 r any diff-prepare hot meal  
R7MEDSA r7medsa:w7 r any diff-take medications  
R7MONEYA r7moneya:w7 r any diff-managing money  
R7PHONEA r7phonea:w7 r any diff-use telephone  
R7PUSHA r7pusha:w7 r any diff-push/pull lg obj  
R7SHOPA r7shopa:w7 r any diff-shop for grocery  
R7SITA r7sita:w7 r any diff-sit for 2 hours  
R7STOOPA r7stooopa:w7 r any diff-stoop/kneel/crch  
R7TOILTA r7toilta:w7 r any diff-using the toilet  
R7WALK1A r7walk1a:w7 r any diff-walk one block  
R7WALKRA r7walkra:w7 r any diff-walk across room  
R8ARMSA r8armsa:w8 r any diff-rch/xtnd arms up  
R8BATHA r8batha:w8 r any diff-bathing, shower  
R8BEDA r8beda:w8 r any diff-get in/out bed  
R8CHAIRA r8chaira:w8 r any diff-get up fr chair  
R8CLIM1A r8clim1a:w8 r any diff-clmb 1 flt stair  
R8CLIMSA r8climsa:w8 r any diff-clmb sev flt str  
R8DIMEA r8dimea:w8 r any diff-pick up a dime  
R8DRESSA r8dressa:w8 r any diff-dressing  
R8EATA r8eata:w8 r any diff-eating  
R8LIFTA r8lifta:w8 r any diff-lift/carry 10lbs  
R8MAPA r8mapa:w8 r any diff-use a map  
R8MEALSA r8mealsa:w8 r any diff-prepare hot meal  
R8MEDSA r8medsa:w8 r any diff-take medications  
R8MONEYA r8moneya:w8 r any diff-managing money  
R8PHONEA r8phonea:w8 r any diff-use telephone  
R8PUSHA r8pusha:w8 r any diff-push/pull lg obj  
R8SHOPA r8shopa:w8 r any diff-shop for grocery  
R8SITA r8sita:w8 r any diff-sit for 2 hours  
R8STOOPA r8stooopa:w8 r any diff-stoop/kneel/crch  
R8TOILTA r8toilta:w8 r any diff-using the toilet  
R8WALK1A r8walk1a:w8 r any diff-walk one block  
R8WALKRA r8walkra:w8 r any diff-walk across room  
R9ARMSA r9armsa:w9 r any diff-rch/xtnd arms up  
R9BATHA r9batha:w9 r any diff-bathing, shower  
R9BEDA r9beda:w9 r any diff-get in/out bed  
R9CHAIRA r9chaira:w9 r any diff-get up fr chair  
R9CLIM1A r9clim1a:w9 r any diff-clmb 1 flt stair  
R9CLIMSA r9climsa:w9 r any diff-clmb sev flt str  
R9DIMEA r9dimea:w9 r any diff-pick up a dime  
R9DRESSA r9dressa:w9 r any diff-dressing  
R9EATA r9eata:w9 r any diff-eating  
R9LIFTA r9lifta:w9 r any diff-lift/carry 10lbs  
R9MAPA r9mapa:w9 r any diff-use a map  
R9MEALSA r9mealsa:w9 r any diff-prepare hot meal  
R9MEDSA r9medsa:w9 r any diff-take medications  
R9MONEYA r9moneya:w9 r any diff-managing money  
R9PHONEA r9phonea:w9 r any diff-use telephone  
R9PUSHA r9pusha:w9 r any diff-push/pull lg obj  
R9SHOPA r9shopa:w9 r any diff-shop for grocery  
R9SITA r9sita:w9 r any diff-sit for 2 hours  
R9STOOPA r9stooopa:w9 r any diff-stoop/kneel/crch  
R9TOILTA r9toilta:w9 r any diff-using the toilet  
R9WALK1A r9walk1a:w9 r any diff-walk one block  
R9WALKRA r9walkra:w9 r any diff-walk across room  
S10CLIM1A s10clim1a:w10 s any diff-clmb 1 flt stair  
S10PUSHA s10pusha:w10 s any diff-push/pull lg obj

S10SITA s10sita:w10 s any diff-sit for 2 hours  
 S11CLIM1A s11climla:w11 s any diff-clmb 1 flt stair  
 S11PUSHA s11pusha:w11 s any diff-push/pull lg obj  
 S11SITA s11sita:w11 s any diff-sit for 2 hours  
 S12CLIM1A s12climla:w12 s any diff-clmb 1 flt stair  
 S12PUSHA s12pusha:w12 s any diff-push/pull lg obj  
 S12SITA s12sita:w12 s any diff-sit for 2 hours  
 S13CLIM1A s13climla:w13 s any diff-clmb 1 flt stair  
 S13PUSHA s13pusha:w13 s any diff-push/pull lg obj  
 S13SITA s13sita:w13 s any diff-sit for 2 hours  
 S14CLIM1A s14climla:w14 s any diff-clmb 1 flt stair  
 S14PUSHA s14pusha:w14 s any diff-push/pull lg obj  
 S14SITA s14sita:w14 s any diff-sit for 2 hours  
 S15CLIM1A s15climla:w15 s any diff-clmb 1 flt stair  
 S15PUSHA s15pusha:w15 s any diff-push/pull lg obj  
 S15SITA s15sita:w15 s any diff-sit for 2 hours  
 S2CLIM1A s2climla:w2 s any diff-clmb 1 flt stair  
 S2PUSHA s2pusha:w2 s any diff-push/pull lg obj  
 S2SITA s2sita:w2 s any diff-sit for 2 hours  
 S3CLIM1A s3climla:w3 s any diff-clmb 1 flt stair  
 S3PUSHA s3pusha:w3 s any diff-push/pull lg obj  
 S3SITA s3sita:w3 s any diff-sit for 2 hours  
 S4CLIM1A s4climla:w4 s any diff-clmb 1 flt stair  
 S4PUSHA s4pusha:w4 s any diff-push/pull lg obj  
 S4SITA s4sita:w4 s any diff-sit for 2 hours  
 S5CLIM1A s5climla:w5 s any diff-clmb 1 flt stair  
 S5PUSHA s5pusha:w5 s any diff-push/pull lg obj  
 S5SITA s5sita:w5 s any diff-sit for 2 hours  
 S6CLIM1A s6climla:w6 s any diff-clmb 1 flt stair  
 S6PUSHA s6pusha:w6 s any diff-push/pull lg obj  
 S6SITA s6sita:w6 s any diff-sit for 2 hours  
 S7CLIM1A s7climla:w7 s any diff-clmb 1 flt stair  
 S7PUSHA s7pusha:w7 s any diff-push/pull lg obj  
 S7SITA s7sita:w7 s any diff-sit for 2 hours  
 S8CLIM1A s8climla:w8 s any diff-clmb 1 flt stair  
 S8PUSHA s8pusha:w8 s any diff-push/pull lg obj  
 S8SITA s8sita:w8 s any diff-sit for 2 hours  
 S9CLIM1A s9climla:w9 s any diff-clmb 1 flt stair  
 S9PUSHA s9pusha:w9 s any diff-push/pull lg obj  
 S9SITA s9sita:w9 s any diff-sit for 2 hours

Wave 1:

V9034 modb:toilet difficulty

<b>Doctor Diagnosed Diseases: Ever Diagnosed</b>
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Wave	Variable	Label	Type
01	R1HRTATTE	r1hrtatte:w1 r ever had heart attack	Categ
02	R2HRTATTE	r2hrtatte:w2 r ever had heart attack	Categ
10	R10HRTATTE	r10hrtatte:w10 r ever had heart attack	Categ
11	R11HRTATTE	r11hrtatte:w11 r ever had heart attack	Categ
12	R12HRTATTE	r12hrtatte:w12 r ever had heart attack	Categ
13	R13HRTATTE	r13hrtatte:w13 r ever had heart attack	Categ
14	R14HRTATTE	r14hrtatte:w14 r ever had heart attack	Categ
15	R15HRTATTE	r15hrtatte:w15 r ever had heart attack	Categ
01	S1HRTATTE	s1hrtatte:w1 s ever had heart attack	Categ
02	S2HRTATTE	s2hrtatte:w2 s ever had heart attack	Categ
10	S10HRTATTE	s10hrtatte:w10 s ever had heart attack	Categ
11	S11HRTATTE	s11hrtatte:w11 s ever had heart attack	Categ
12	S12HRTATTE	s12hrtatte:w12 s ever had heart attack	Categ
13	S13HRTATTE	s13hrtatte:w13 s ever had heart attack	Categ
14	S14HRTATTE	s14hrtatte:w14 s ever had heart attack	Categ
15	S15HRTATTE	s15hrtatte:w15 s ever had heart attack	Categ
10	R10ANGINE	r10angine:w10 r ever had angina	Categ
11	R11ANGINE	r11angine:w11 r ever had angina	Categ
12	R12ANGINE	r12angine:w12 r ever had angina	Categ
13	R13ANGINE	r13angine:w13 r ever had angina	Categ
14	R14ANGINE	r14angine:w14 r ever had angina	Categ
15	R15ANGINE	r15angine:w15 r ever had angina	Categ
10	S10ANGINE	s10angine:w10 s ever had angina	Categ
11	S11ANGINE	s11angine:w11 s ever had angina	Categ
12	S12ANGINE	s12angine:w12 s ever had angina	Categ
13	S13ANGINE	s13angine:w13 s ever had angina	Categ
14	S14ANGINE	s14angine:w14 s ever had angina	Categ
15	S15ANGINE	s15angine:w15 s ever had angina	Categ
01	R1CONHRTFE	r1conhrtfe:w1 r ever had congestive heart failure	Categ
02	R2CONHRTFE	r2conhrtfe:w2 r ever had congestive heart failure	Categ
10	R10CONHRTFE	r10conhrtfe:w10 r ever had congestive heart failure	Categ
11	R11CONHRTFE	r11conhrtfe:w11 r ever had congestive heart failure	Categ
12	R12CONHRTFE	r12conhrtfe:w12 r ever had congestive heart failure	Categ
13	R13CONHRTFE	r13conhrtfe:w13 r ever had congestive heart failure	Categ
14	R14CONHRTFE	r14conhrtfe:w14 r ever had congestive heart failure	Categ
15	R15CONHRTFE	r15conhrtfe:w15 r ever had congestive heart failure	Categ
01	S1CONHRTFE	s1conhrtfe:w1 s ever had congestive heart failure	Categ
02	S2CONHRTFE	s2conhrtfe:w2 s ever had congestive heart failure	Categ
10	S10CONHRTFE	s10conhrtfe:w10 s ever had congestive heart failure	Categ
11	S11CONHRTFE	s11conhrtfe:w11 s ever had congestive heart failure	Categ
12	S12CONHRTFE	s12conhrtfe:w12 s ever had congestive heart failure	Categ
13	S13CONHRTFE	s13conhrtfe:w13 s ever had congestive heart failure	Categ
14	S14CONHRTFE	s14conhrtfe:w14 s ever had congestive heart failure	Categ
15	S15CONHRTFE	s15conhrtfe:w15 s ever had congestive heart failure	Categ
09	R9SHINGLE	r9shingle:w9 r ever had shingles	Categ
10	R10SHINGLE	r10shingle:w10 r ever had shingles	Categ
11	R11SHINGLE	r11shingle:w11 r ever had shingles	Categ
12	R12SHINGLE	r12shingle:w12 r ever had shingles	Categ
13	R13SHINGLE	r13shingle:w13 r ever had shingles	Categ
14	R14SHINGLE	r14shingle:w14 r ever had shingles	Categ
15	R15SHINGLE	r15shingle:w15 r ever had shingles	Categ



09	S9SHINGLE	s9shingle:w9	s ever had shingles	Categ
10	S10SHINGLE	s10shingle:w10	s ever had shingles	Categ
11	S11SHINGLE	s11shingle:w11	s ever had shingles	Categ
12	S12SHINGLE	s12shingle:w12	s ever had shingles	Categ
13	S13SHINGLE	s13shingle:w13	s ever had shingles	Categ
14	S14SHINGLE	s14shingle:w14	s ever had shingles	Categ
15	S15SHINGLE	s15shingle:w15	s ever had shingles	Categ
10	R10HRTRHME	r10hrtrhme:w10	r ever had abnormal heart rhythm	Categ
11	R11HRTRHME	r11hrtrhme:w11	r ever had abnormal heart rhythm	Categ
12	R12HRTRHME	r12hrtrhme:w12	r ever had abnormal heart rhythm	Categ
13	R13HRTRHME	r13hrtrhme:w13	r ever had abnormal heart rhythm	Categ
14	R14HRTRHME	r14hrtrhme:w14	r ever had abnormal heart rhythm	Categ
15	R15HRTRHME	r15hrtrhme:w15	r ever had abnormal heart rhythm	Categ
10	S10HRTRHME	s10hrtrhme:w10	s ever had abnormal heart rhythm	Categ
11	S11HRTRHME	s11hrtrhme:w11	s ever had abnormal heart rhythm	Categ
12	S12HRTRHME	s12hrtrhme:w12	s ever had abnormal heart rhythm	Categ
13	S13HRTRHME	s13hrtrhme:w13	s ever had abnormal heart rhythm	Categ
14	S14HRTRHME	s14hrtrhme:w14	s ever had abnormal heart rhythm	Categ
15	S15HRTRHME	s15hrtrhme:w15	s ever had abnormal heart rhythm	Categ
11	R11OSTEOE	r11osteo:e:w11	r ever had osteoporosis	Categ
12	R12OSTEOE	r12osteo:e:w12	r ever had osteoporosis	Categ
13	R13OSTEOE	r13osteo:e:w13	r ever had osteoporosis	Categ
14	R14OSTEOE	r14osteo:e:w14	r ever had osteoporosis	Categ
15	R15OSTEOE	r15osteo:e:w15	r ever had osteoporosis	Categ
11	S11OSTEOE	s11osteo:e:w11	s ever had osteoporosis	Categ
12	S12OSTEOE	s12osteo:e:w12	s ever had osteoporosis	Categ
13	S13OSTEOE	s13osteo:e:w13	s ever had osteoporosis	Categ
14	S14OSTEOE	s14osteo:e:w14	s ever had osteoporosis	Categ
15	S15OSTEOE	s15osteo:e:w15	s ever had osteoporosis	Categ
12	R12HCHOLE	r12hchole:w12	r ever had high cholesterol	Categ
13	R13HCHOLE	r13hchole:w13	r ever had high cholesterol	Categ
14	R14HCHOLE	r14hchole:w14	r ever had high cholesterol	Categ
15	R15HCHOLE	r15hchole:w15	r ever had high cholesterol	Categ
12	S12HCHOLE	s12hchole:w12	s ever had high cholesterol	Categ
13	S13HCHOLE	s13hchole:w13	s ever had high cholesterol	Categ
14	S14HCHOLE	s14hchole:w14	s ever had high cholesterol	Categ
15	S15HCHOLE	s15hchole:w15	s ever had high cholesterol	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HRTATTE	12652	0.06	0.24	0.00	1.00
R2HRTATTE	11555	0.07	0.26	0.00	1.00
R10HRTATTE	21805	0.08	0.27	0.00	1.00
R11HRTATTE	20019	0.09	0.29	0.00	1.00
R12HRTATTE	18191	0.10	0.30	0.00	1.00
R13HRTATTE	20689	0.08	0.28	0.00	1.00
R14HRTATTE	16956	0.09	0.29	0.00	1.00
R15HRTATTE	15493	0.09	0.28	0.00	1.00
S1HRTATTE	9900	0.06	0.24	0.00	1.00
S2HRTATTE	8719	0.07	0.25	0.00	1.00
S10HRTATTE	13397	0.08	0.26	0.00	1.00
S11HRTATTE	12195	0.09	0.28	0.00	1.00
S12HRTATTE	10735	0.09	0.29	0.00	1.00

S13HRTATTE	11679	0.08	0.27	0.00	1.00
S14HRTATTE	9273	0.08	0.28	0.00	1.00
S15HRTATTE	8356	0.08	0.28	0.00	1.00
R10ANGINE	21808	0.04	0.20	0.00	1.00
R11ANGINE	20008	0.06	0.24	0.00	1.00
R12ANGINE	18171	0.07	0.26	0.00	1.00
R13ANGINE	23107	0.07	0.25	0.00	1.00
R14ANGINE	16973	0.08	0.28	0.00	1.00
R15ANGINE	15498	0.09	0.29	0.00	1.00
S10ANGINE	13400	0.04	0.19	0.00	1.00
S11ANGINE	12192	0.05	0.22	0.00	1.00
S12ANGINE	10729	0.06	0.24	0.00	1.00
S13ANGINE	11692	0.07	0.25	0.00	1.00
S14ANGINE	9285	0.07	0.26	0.00	1.00
S15ANGINE	8365	0.08	0.27	0.00	1.00
R1CONHRTFE	12652	0.02	0.13	0.00	1.00
R2CONHRTFE	11505	0.02	0.15	0.00	1.00
R10CONHRTFE	21777	0.05	0.22	0.00	1.00
R11CONHRTFE	19998	0.06	0.24	0.00	1.00
R12CONHRTFE	18171	0.07	0.26	0.00	1.00
R13CONHRTFE	20676	0.06	0.24	0.00	1.00
R14CONHRTFE	16955	0.07	0.25	0.00	1.00
R15CONHRTFE	15462	0.07	0.25	0.00	1.00
S1CONHRTFE	9900	0.02	0.13	0.00	1.00
S2CONHRTFE	8719	0.02	0.15	0.00	1.00
S10CONHRTFE	13385	0.04	0.20	0.00	1.00
S11CONHRTFE	12187	0.05	0.22	0.00	1.00
S12CONHRTFE	10727	0.06	0.23	0.00	1.00
S13CONHRTFE	11669	0.05	0.22	0.00	1.00
S14CONHRTFE	9274	0.06	0.23	0.00	1.00
S15CONHRTFE	8345	0.05	0.23	0.00	1.00
R9SHINGLE	17132	0.14	0.34	0.00	1.00
R10SHINGLE	21903	0.13	0.34	0.00	1.00
R11SHINGLE	20422	0.14	0.35	0.00	1.00
R12SHINGLE	18622	0.16	0.36	0.00	1.00
R13SHINGLE	20797	0.15	0.36	0.00	1.00
R14SHINGLE	17050	0.16	0.37	0.00	1.00
R15SHINGLE	15627	0.17	0.38	0.00	1.00
S9SHINGLE	10600	0.13	0.34	0.00	1.00
S10SHINGLE	13451	0.12	0.33	0.00	1.00
S11SHINGLE	12413	0.13	0.34	0.00	1.00
S12SHINGLE	10959	0.15	0.35	0.00	1.00
S13SHINGLE	11734	0.14	0.35	0.00	1.00
S14SHINGLE	9319	0.16	0.37	0.00	1.00
S15SHINGLE	8433	0.17	0.37	0.00	1.00
R10HRTRHME	21780	0.11	0.31	0.00	1.00
R11HRTRHME	19977	0.13	0.34	0.00	1.00
R12HRTRHME	18149	0.15	0.36	0.00	1.00
R13HRTRHME	20700	0.14	0.34	0.00	1.00
R14HRTRHME	16959	0.16	0.36	0.00	1.00
R15HRTRHME	15538	0.16	0.37	0.00	1.00
S10HRTRHME	13397	0.10	0.30	0.00	1.00
S11HRTRHME	12180	0.12	0.33	0.00	1.00
S12HRTRHME	10707	0.13	0.34	0.00	1.00
S13HRTRHME	11677	0.12	0.33	0.00	1.00

S14HRTRHME	9274	0.14	0.35	0.00	1.00
S15HRTRHME	8381	0.15	0.35	0.00	1.00
R11OSTEOE	20395	0.13	0.34	0.00	1.00
R12OSTEOE	18685	0.16	0.37	0.00	1.00
R13OSTEOE	20870	0.16	0.37	0.00	1.00
R14OSTEOE	17122	0.18	0.39	0.00	1.00
R15OSTEOE	15684	0.20	0.40	0.00	1.00
S11OSTEOE	12409	0.11	0.31	0.00	1.00
S12OSTEOE	10987	0.13	0.33	0.00	1.00
S13OSTEOE	11762	0.13	0.33	0.00	1.00
S14OSTEOE	9352	0.15	0.36	0.00	1.00
S15OSTEOE	8447	0.16	0.37	0.00	1.00
R12HCHOLE	18643	0.49	0.50	0.00	1.00
R13HCHOLE	20838	0.53	0.50	0.00	1.00
R14HCHOLE	17122	0.58	0.49	0.00	1.00
R15HCHOLE	15689	0.62	0.49	0.00	1.00
S12HCHOLE	10968	0.49	0.50	0.00	1.00
S13HCHOLE	11751	0.53	0.50	0.00	1.00
S14HCHOLE	9349	0.58	0.49	0.00	1.00
S15HCHOLE	8453	0.61	0.49	0.00	1.00

### Categorical Variable Codes

Value-----	R1HRTATTE	R2HRTATTE
.d:DK		16
.m:Missing		29
.q:not asked this wave		8216
.r:Refuse		1
0.no	11899	10734
1.yes	753	821

Value-----	R10HRTATTE
.d:DK	65
.m:Missing	164
0.no	20099
1.yes	1706

Value-----	R11HRTATTE	R12HRTATTE	R13HRTATTE	R14HRTATTE	R15HRTATTE
.d:DK	72	92	64	21	15
.m:Missing	132	133	146	145	187
.r:Refuse	2	2	1	2	
.s:skipped	329	329	12	22	28
0.no	18137	16375	18944	15433	14132
1.yes	1882	1816	1745	1523	1361

Value-----	S1HRTATTE	S2HRTATTE
.d:DK		10
.m:Missing		15
.q:not asked this wave		4344
.u:not coupled	2373	5976
.v:SP NR	379	578
0.no	9316	8144
1.yes	584	575

Value-----	S10HRTATTE
.d:DK	32
.m:Missing	79
.u:not coupled	7804
.v:SP NR	722
0.no	12381
1.yes	1016

Value-----	S11HRTATTE	S12HRTATTE	S13HRTATTE	S14HRTATTE	S15HRTATTE
.d:DK	35	46	26	11	10
.m:Missing	69	68	68	61	89

.r:Refuse	1	1		2	
.s:skipped	176	162	5	11	11
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11115	9734	10766	8504	7666
1.yes	1080	1001	913	769	690
Value-----					R10ANGINE
.d:DK					62
.m:Missing					164
0.no					20893
1.yes					915
Value-----	R11ANGINE	R12ANGINE	R13ANGINE	R14ANGINE	R15ANGINE
.d:DK	83	112	17	27	20
.m:Missing	131	133	152	123	172
.r:Refuse	2	2			1
.s:skipped	330	329	10	23	32
0.no	18820	16888	21581	15565	14085
1.yes	1188	1283	1526	1408	1413
Value-----					S10ANGINE
.d:DK					29
.m:Missing					79
.u:not coupled					7804
.v:SP NR					722
0.no					12887
1.yes					513
Value-----	S11ANGINE	S12ANGINE	S13ANGINE	S14ANGINE	S15ANGINE
.d:DK	41	53	9	12	9
.m:Missing	66	67	71	52	80
.r:Refuse	1	1			
.s:skipped	176	162	6	9	12
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11548	10057	10926	8609	7678
1.yes	644	672	766	676	687
Value-----	R1CONHRTFE	R2CONHRTFE			
.d:DK		12			
.m:Missing		80			
.q:not asked this wave		8218			
.r:Refuse		2			
0.no	12426	11232			
1.yes	226	273			
Value-----					R10CONHRTFE
.d:DK					93
.m:Missing					164
0.no					20719
1.yes					1058
Value-----	R11CONHRTFE	R12CONHRTFE	R13CONHRTFE	R14CONHRTFE	R15CONHRTFE
.d:DK	92	86	62	24	9
.m:Missing	133	159	162	142	214
.r:Refuse	2	1	1	2	
.s:skipped	329	330	11	23	38
0.no	18783	16887	19368	15789	14395
1.yes	1215	1284	1308	1166	1067
Value-----	S1CONHRTFE	S2CONHRTFE			
.d:DK		7			
.m:Missing		15			
.q:not asked this wave		4346			
.r:Refuse		1			
.u:not coupled	2373	5976			
.v:SP NR	379	578			
0.no	9732	8526			
1.yes	168	193			
Value-----					S10CONHRTFE
.d:DK					44
.m:Missing					79
.u:not coupled					7804
.v:SP NR					722

0.no					12851
1.yes					534
Value-----	S11CONHRTFE	S12CONHRTFE	S13CONHRTFE	S14CONHRTFE	S15CONHRTFE
.d:DK	44	45	30	11	2
.m:Missing	68	78	73	63	104
.r:Refuse	1			1	
.s:skipped	176	162	6	9	15
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11571	10124	11089	8762	7887
1.yes	616	603	580	512	458
Value-----				R9SHINGLE	R10SHINGLE
.d:DK				83	138
.m:Missing					1816
.r:Refuse				2	4
0.no				14771	19041
1.yes				2361	2862
Value-----	R11SHINGLE	R12SHINGLE	R13SHINGLE	R14SHINGLE	R15SHINGLE
.d:DK	162	169	190	203	203
.m:Missing	3521	5307	7331	10807	11583
.r:Refuse	5	7	7	8	9
0.no	17501	15680	17611	14245	12910
1.yes	2921	2942	3186	2805	2717
Value-----				S9SHINGLE	S10SHINGLE
.d:DK				38	55
.r:Refuse				2	2
.u:not coupled				6212	7804
.v:SP NR				365	722
0.no				9227	11784
1.yes				1373	1667
Value-----	S11SHINGLE	S12SHINGLE	S13SHINGLE	S14SHINGLE	S15SHINGLE
.d:DK	62	52	43	38	33
.r:Refuse	1	1	1	1	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10754	9342	10040	7833	7023
1.yes	1659	1617	1694	1486	1410
Value-----					R10HRTRHME
.d:DK					88
.m:Missing					164
.r:Refuse					2
0.no					19477
1.yes					2303
Value-----	R11HRTRHME	R12HRTRHME	R13HRTRHME	R14HRTRHME	R15HRTRHME
.d:DK	42	59	28	16	
.m:Missing	204	193	161	143	154
.r:Refuse	2	1			
.s:skipped	329	345	23	28	31
0.no	17313	15421	17857	14290	13025
1.yes	2664	2728	2843	2669	2513
Value-----					S10HRTRHME
.d:DK					31
.m:Missing					79
.r:Refuse					1
.u:not coupled					7804
.v:SP NR					722
0.no					12072
1.yes					1325
Value-----	S11HRTRHME	S12HRTRHME	S13HRTRHME	S14HRTRHME	S15HRTRHME
.d:DK	17	32	11	7	
.m:Missing	102	99	72	60	70
.r:Refuse	1	1			
.s:skipped	176	173	18	17	15
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10702	9271	10270	7969	7159
1.yes	1478	1436	1407	1305	1222

Value-----	R11OSTEOE	R12OSTEOE	R13OSTEOE	R14OSTEOE	R15OSTEOE
.d:DK	157	60	37	20	38
.m:Missing	1		1		
.r:Refuse	1	2	4	4	1
0.no	17694	15690	17545	14020	12588
1.yes	2701	2995	3325	3102	3096

Value-----	S11OSTEOE	S12OSTEOE	S13OSTEOE	S14OSTEOE	S15OSTEOE
.d:DK	66	24	15	6	19
.m:Missing	1				
.r:Refuse		1	1		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11094	9595	10260	7962	7079
1.yes	1315	1392	1502	1390	1368

Value-----	R12HCHOLE	R13HCHOLE	R14HCHOLE	R15HCHOLE
.d:DK	102	70	22	32
.m:Missing		1		
.r:Refuse	2	3	2	2
0.no	9595	9803	7122	6024
1.yes	9048	11035	10000	9665

Value-----	S12HCHOLE	S13HCHOLE	S14HCHOLE	S15HCHOLE
.d:DK	44	26	9	12
.r:Refuse		1		1
.u:not coupled	7125	8025	6684	6202
.v:SP NR	610	1109	1104	1055
0.no	5590	5524	3921	3271
1.yes	5378	6227	5428	5182

## How Constructed:

RwHRTATTE, RwANGINE, RwCONHRTFE, RwSHINGLE, RwhRTRHME, RwoSTEOE, and RwhCHOLE indicate whether the respondent has ever been diagnosed with the specified condition. RwhRTATTE and RwhCONHRTFE are available for Wave 1, for the HRS sample in Wave 2, and then again available for the full sample starting in Wave 10. RwhANGINE is available starting in Wave 10. RwhSHINGLE is available starting in Wave 9. RwhRTRHME is available starting in Wave 10. RwoSTEOE is available starting in Wave 11. RwhCHOLE is available starting in Wave 12. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. Respondents in the AHEAD sample in Wave 2 are not asked these questions and are assigned special missing code .q in Wave 2. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwHRTATTE indicates whether the respondent has ever been diagnosed with a heart attack. In Waves 1 and 2 respondents are asked if a doctor has ever told the respondent that they had a heart attack, coronary heart disease, angina, congestive heart failure, or other heart problems. If the respondent answers yes they are then asked if they have had a heart attack or myocardial infarction. Starting in Wave 10, the HRS first asks respondents whether a doctor has ever told them they had a heart attack and then later asks whether they have had a heart attack since the last interview or in the last two years. Respondents are not asked about a heart attack if they have never reported a heart problem in all waves or if they are not currently taking medication for a heart problem and have not seen a doctor for their heart problems in the last 2 years. In either of these cases, respondents are assumed to not have had a heart attack and are assigned a value of 0. If the respondent was interviewed prior to Wave 10, missed Wave 10, and then was reinterviewed after Wave 10, they were never asked whether they ever had a heart attack and are assigned special missing .s.

RwANGINE indicates whether the respondent has ever been diagnosed with angina. Respondents are not asked about angina if they have never reported a heart problem or heart attack in all waves or if they are not currently taking medication for a heart problem and have not seen a doctor for their heart problems in the last 2 years. In either of these cases, respondents are assumed to not have angina and are assigned a value of 0. The HRS first asks respondents whether a doctor has ever told them they have angina, then they are asked whether they have had angina or chest pains due to their heart since the last interview or in the last two years. This question is asked starting in Wave 10. If the respondent was interviewed prior to Wave 10, missed Wave 10, and then was reinterviewed after Wave 10, they were never asked whether they were diagnosed with angina and are assigned special missing .s.

RwCONHRTFE indicates whether the respondent has ever been diagnosed with congestive heart failure. In Waves 1 and 2 respondents are asked whether a doctor has ever told them they have congestive heart failure. Starting in Wave 10, the HRS first asks respondents whether they have ever been diagnosed with congestive heart failure and then asks whether they have had congestive heart failure since the last interview or in the last two years. Respondents are not asked about congestive heart failure if they have never reported a heart problem in all waves or if they are not currently taking medication for a heart problem and have not seen a doctor for their heart problems in the last 2 years. In either of these cases, respondents are assumed to not have congestive heart failure and are assigned a value of 0. If the respondent was interviewed prior to Wave 10, missed Wave 10, and then was reinterviewed after Wave 10, they were never asked whether they ever were diagnosed with congestive heart failure and are assigned special missing .s.

RwSHINGLE indicates whether the respondent has ever been diagnosed with the shingles. The HRS first asks respondents whether they have ever been diagnosed with the shingles and then asks whether they have been diagnosed with the shingles since the last interview or in the last two years. This question is asked starting in Wave 9.

RwHRTRHME indicates whether the respondent has ever been diagnosed with an abnormal heart rhythm. The HRS first asks respondents whether they have ever been diagnosed with abnormal heart rhythm and then asks whether they have had abnormal heart rhythm since the last interview or in the last two years. Respondents are not asked about abnormal heart rhythm if they have never reported a heart problem, or if they are not currently taking medication for a heart problem and have not seen a doctor for their heart problems in the last 2 years. In either of these cases, respondents are assumed to not have an abnormal heart rhythm and are assigned a value of 0. If the respondent was interviewed prior to Wave 10, missed Wave 10, and then was reinterviewed after Wave 10, they were never asked whether they ever were diagnosed with abnormal heart rhythm and are assigned special missing .s.

RwOSTEOE indicates whether the respondent has ever been diagnosed with osteoporosis. The HRS first asks respondents whether they have ever been diagnosed with having osteoporosis and then asks whether they have been diagnosed with osteoporosis since the last interview or in the last two years. This question is asked starting in Wave 11.

RwHCHOLE indicates whether the respondent has ever been diagnosed with high cholesterol. The HRS first asks respondents whether they have ever been diagnosed with high cholesterol and then asks whether they have been diagnosed with high cholesterol since the last interview or in the last two years. This question is asked starting in Wave 12.

SwHRTATTE, SwANGINE, SwCONHRTFE, SwSHINGLE, SwHRTRHME, SwOSTEOE, and SwHCHOLE indicate whether the respondent's current wave's spouse has ever been diagnosed with the specified condition, and are taken from RwhRTATTE, RwangINE, RwCONHRTFE, RwSHINGLE, RwHRTRHME, RwOSTEOE, and RwhCHOLE. In addition to the special missing codes employed by RwhRTATTE, RwangINE, RwCONHRTFE, RwSHINGLE, RwHRTRHME, RwOSTEOE, and RwhCHOLE, SwHRTATTE, SwANGINE, SwCONHRTFE, SwSHINGLE, SwHRTRHME, SwOSTEOE, and SwHCHOLE employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In Waves 1 and 2 respondents are asked if a doctor has ever told them that they had a heart attack, coronary heart disease, angina, congestive heart failure, or other heart problems. If the respondent answers yes they are then asked if they have had a heart attack or myocardial infarction. Respondents in the AHEAD sample in Wave 2 are not asked about having had a heart attack. Questions asking whether respondents have ever had a heart attack were dropped from the survey at Wave 3 and until Wave 9. Starting in Wave 10, the HRS first asks respondents whether a doctor has ever told them they had a heart attack and then later asks whether they have had a heart attack since the last interview or in the last two years. If the respondent was interviewed prior to Wave 10, missed Wave 10, and then was interviewed after Wave 10, they were never asked whether they ever had a heart attack again after Wave 10.

Questions asking whether respondents had ever been diagnosed with angina were not added until Wave 10. Starting in Wave 10, the HRS first asks respondents whether a doctor has ever told them they have angina, then they are asked whether they have had angina or chest pains due to your heart since the last interview or in the last two years. If the respondent was interviewed prior to Wave 10, missed Wave 10, and then was interviewed after Wave 10, they were never asked whether they were diagnosed with angina.

In Waves 1 and 2 respondents are asked whether a doctor has ever told them they have congestive heart failure. Respondents in the AHEAD sample in Wave 2 are not asked about having congestive heart failure. Questions about whether respondents have ever been diagnosed with congestive heart failure were dropped from the survey at Wave 3 and until Wave 9. Starting in Wave 10, the HRS first asks respondents whether they have ever been diagnosed with congestive heart failure and then asks whether they have had congestive heart failure since the last interview or in the last two years. If the respondent was interviewed prior to Wave 10, missed Wave 10, and then was interviewed after Wave 10, they were never asked whether they ever had congestive heart failure again after Wave 10.

Questions asking whether respondents have had shingles were not added until Wave 9. In Wave 9, the HRS asks all respondents whether they have ever been diagnosed with the shingles. Starting in Wave 10, respondents are asked whether they have been diagnosed with the shingles since the last interview or in the last two years if they are reinterviewed, or ever if this is their first interview.

Questions asking whether respondents had ever been diagnosed with abnormal heart rhythm were not added until Wave 10. Starting in Wave 10, the HRS first asks respondents whether they have ever been diagnosed with abnormal heart rhythm and then asks whether they have had abnormal heart rhythm since the last interview or in the last two years. If the respondent was interviewed prior to Wave 10, missed Wave 10, and then was interviewed after Wave 10, they were never asked whether they were diagnosed with abnormal heart rhythm.

Questions asking whether respondents had ever been diagnosed with osteoporosis were not added until Wave 11. In Wave 11, the HRS asks all respondents whether they have ever been diagnosed with osteoporosis. Starting in Wave 12 respondents are asked whether they have been diagnosed with osteoporosis since the last interview if they are reinterviewed, or ever if this is their first interview.

Questions asking whether respondents had ever been diagnosed with high cholesterol were not added until Wave 12. In Wave 12, the HRS asks all respondents whether they have ever been diagnosed with high cholesterol. Starting in Wave 13 respondents are asked whether they have been diagnosed with high cholesterol since the last interview if they are reinterviewed, or ever if this is their first interview.

### HRS Variables Used:

```
RAND HRS:
  R10HEARTE      r10hearte:w10 r ever had heart problems
  R11HEARTE      r11hearte:w11 r ever had heart problems
  R12HEARTE      r12hearte:w12 r ever had heart problems
  R13HEARTE      r13hearte:w13 r ever had heart problems
  R14HEARTE      r14hearte:w14 r ever had heart problems
  R15HEARTE      r15hearte:w15 r ever had heart problems
  R1HEARTE       r1hearte:w1  r ever had heart problems
  R2HEARTE       r2hearte:w2  r ever had heart problems
  R3HEARTE       r3hearte:w3  r ever had heart problems
  R4HEARTE       r4hearte:w4  r ever had heart problems
  R5HEARTE       r5hearte:w5  r ever had heart problems
  R6HEARTE       r6hearte:w6  r ever had heart problems
  R7HEARTE       r7hearte:w7  r ever had heart problems
  R8HEARTE       r8hearte:w8  r ever had heart problems
  R9HEARTE       r9hearte:w9  r ever had heart problems

Wave 1:
  V407           b16a:hrt attk/myocrl:imp
  V411           b18:congestv hrt fai:imp

Wave 2 AHEAD:
  BN_INHH        ahd w1: # r's responding in hhold

Wave 2 HRS:
  W369           b15a.heart attack/myocar
  W373           b17.congestive heart fai
  WN_INHH        hrs w2: # in hhold (r1/r2 only)

Wave 10:
  MC037          heart medication
  MC038          has r seen heart doctor
  MC040          heart attack
```



MC045            angina  
MC048            congestive heart failure  
MC082            broken hip  
MC240            has had shingles  
MC257            ever had heart attack  
MC260            ever had angina  
MC263            ever had heart failure  
MC266            ever had abnormal heart rhythm  
MC269            recent report abnormal heart rhythm  
MZ242            r has been asked about shingles in pw

## Wave 11:

NC036            heart condition  
NC037            heart medication  
NC038            has r seen heart doctor  
NC040            heart attack  
NC045            angina  
NC048            congestive heart failure  
NC082            broken hip  
NC240            has had shingles  
NC257            ever had heart attack  
NC260            ever had angina  
NC263            ever had heart failure  
NC266            ever had abnormal heart rhythm  
NC269            recent report abnormal heart rhythm  
NC280            has osteoporosis  
NZ076            r ever interviewed  
NZ093            prev wave iw year  
NZ242            r has been asked about shingles in pw  
NZ255            heart disease baseline

## Wave 12:

OC036            heart condition  
OC037            heart medication  
OC038            has r seen heart doctor  
OC040            heart attack  
OC045            angina  
OC048            congestive heart failure  
OC082            broken hip  
OC240            has had shingles  
OC257            ever had heart attack  
OC260            ever had angina  
OC263            ever had heart failure  
OC266            ever had abnormal heart rhythm  
OC269            recent report abnormal heart rhythm  
OC280            has osteoporosis  
OC283            high cholesterol  
OZ076            r ever interviewed  
OZ093            prev wave iw year  
OZ242            r has been asked about shingles in pw  
OZ265            pw osteoporosis

## Wave 13:

PC036            heart condition  
PC037            heart medication  
PC038            has r seen heart doctor  
PC040            heart attack  
PC045            angina  
PC048            congestive heart failure  
PC082            broken hip  
PC240            has had shingles  
PC257            ever had heart attack  
PC260            ever had angina  
PC263            ever had heart failure  
PC266            ever had abnormal heart rhythm  
PC269            recent report abnormal heart rhythm

PC280 has osteoporosis  
PC283 high cholesterol  
PZ076 r ever interviewed  
PZ093 prev wave iw year  
PZ242 r has been asked about shingles in pw  
PZ265 pw osteoporosis

Wave 14:

QC036 heart condition  
QC037 heart medication  
QC038 has r seen heart doctor  
QC040 heart attack  
QC045 angina  
QC048 congestive heart failure  
QC082 broken hip  
QC240 has had shingles  
QC257 ever had heart attack  
QC260 ever had angina  
QC263 ever had heart failure  
QC266 ever had abnormal heart rhythm  
QC269 recent report abnormal heart rhythm  
QC280 has osteoporosis  
QC283 high cholesterol  
QZ076 r ever interviewed  
QZ093 prev wave iw year  
QZ242 r has been asked about shingles in pw  
QZ265 pw osteoporosis

Wave 15:

RC036 heart condition  
RC037 heart medication  
RC038 has r seen heart doctor  
RC040 heart attack  
RC045 angina  
RC048 congestive heart failure  
RC082 broken hip  
RC240 has had shingles  
RC257 ever had heart attack  
RC260 ever had angina  
RC263 ever had heart failure  
RC266 ever had abnormal heart rhythm  
RC269 recent report abnormal heart rhythm  
RC280 has osteoporosis  
RC283 high cholesterol  
RZ076 r ever interviewed  
RZ093 prev wave iw year  
RZ242 r has been asked about shingles in pw  
RZ265 pw osteoporosis

**Doctor Diagnosed Diseases: Diagnosed Since Last Wave**

Wave	Variable	Label	Type
02	R2HRTATT	r2hrtatt:w2 r reports heart attack since last wave	Categ
03	R3HRTATT	r3hrtatt:w3 r reports heart attack since last wave	Categ
04	R4HRTATT	r4hrtatt:w4 r reports heart attack since last wave	Categ
05	R5HRTATT	r5hrtatt:w5 r reports heart attack since last wave	Categ
06	R6HRTATT	r6hrtatt:w6 r reports heart attack since last wave	Categ
07	R7HRTATT	r7hrtatt:w7 r reports heart attack since last wave	Categ
08	R8HRTATT	r8hrtatt:w8 r reports heart attack since last wave	Categ
09	R9HRTATT	r9hrtatt:w9 r reports heart attack since last wave	Categ
10	R10HRTATT	r10hrtatt:w10 r reports heart attack since last wave	Categ
11	R11HRTATT	r11hrtatt:w11 r reports heart attack since last wave	Categ
12	R12HRTATT	r12hrtatt:w12 r reports heart attack since last wave	Categ
13	R13HRTATT	r13hrtatt:w13 r reports heart attack since last wave	Categ
14	R14HRTATT	r14hrtatt:w14 r reports heart attack since last wave	Categ
15	R15HRTATT	r15hrtatt:w15 r reports heart attack since last wave	Categ
02	S2HRTATT	s2hrtatt:w2 s reports heart attack since last wave	Categ
03	S3HRTATT	s3hrtatt:w3 s reports heart attack since last wave	Categ
04	S4HRTATT	s4hrtatt:w4 s reports heart attack since last wave	Categ
05	S5HRTATT	s5hrtatt:w5 s reports heart attack since last wave	Categ
06	S6HRTATT	s6hrtatt:w6 s reports heart attack since last wave	Categ
07	S7HRTATT	s7hrtatt:w7 s reports heart attack since last wave	Categ
08	S8HRTATT	s8hrtatt:w8 s reports heart attack since last wave	Categ
09	S9HRTATT	s9hrtatt:w9 s reports heart attack since last wave	Categ
10	S10HRTATT	s10hrtatt:w10 s reports heart attack since last wave	Categ
11	S11HRTATT	s11hrtatt:w11 s reports heart attack since last wave	Categ
12	S12HRTATT	s12hrtatt:w12 s reports heart attack since last wave	Categ
13	S13HRTATT	s13hrtatt:w13 s reports heart attack since last wave	Categ
14	S14HRTATT	s14hrtatt:w14 s reports heart attack since last wave	Categ
15	S15HRTATT	s15hrtatt:w15 s reports heart attack since last wave	Categ
01	R1ANGIN	r1angin:w1 r reports angina currently	Categ
02	R2ANGIN	r2angin:w2 r reports angina since last wave	Categ
03	R3ANGIN	r3angin:w3 r reports angina since last wave	Categ
04	R4ANGIN	r4angin:w4 r reports angina since last wave	Categ
05	R5ANGIN	r5angin:w5 r reports angina since last wave	Categ
06	R6ANGIN	r6angin:w6 r reports angina since last wave	Categ
07	R7ANGIN	r7angin:w7 r reports angina since last wave	Categ
08	R8ANGIN	r8angin:w8 r reports angina since last wave	Categ
09	R9ANGIN	r9angin:w9 r reports angina since last wave	Categ
10	R10ANGIN	r10angin:w10 r reports angina since last wave	Categ
11	R11ANGIN	r11angin:w11 r reports angina since last wave	Categ
12	R12ANGIN	r12angin:w12 r reports angina since last wave	Categ
13	R13ANGIN	r13angin:w13 r reports angina since last wave	Categ
14	R14ANGIN	r14angin:w14 r reports angina since last wave	Categ
15	R15ANGIN	r15angin:w15 r reports angina since last wave	Categ
01	S1ANGIN	s1angin:w1 s reports angina currently	Categ
02	S2ANGIN	s2angin:w2 s reports angina since last wave	Categ
03	S3ANGIN	s3angin:w3 s reports angina since last wave	Categ
04	S4ANGIN	s4angin:w4 s reports angina since last wave	Categ
05	S5ANGIN	s5angin:w5 s reports angina since last wave	Categ
06	S6ANGIN	s6angin:w6 s reports angina since last wave	Categ
07	S7ANGIN	s7angin:w7 s reports angina since last wave	Categ
08	S8ANGIN	s8angin:w8 s reports angina since last wave	Categ
09	S9ANGIN	s9angin:w9 s reports angina since last wave	Categ
10	S10ANGIN	s10angin:w10 s reports angina since last wave	Categ
11	S11ANGIN	s11angin:w11 s reports angina since last wave	Categ

12	S12ANGIN	s12angin:w12	s	reports	angina	since	last	wave	Categ		
13	S13ANGIN	s13angin:w13	s	reports	angina	since	last	wave	Categ		
14	S14ANGIN	s14angin:w14	s	reports	angina	since	last	wave	Categ		
15	S15ANGIN	s15angin:w15	s	reports	angina	since	last	wave	Categ		
02	R2CONHRTF	r2conhrtf:w2	r	reports	congestive	heart	failure	since	last	w	Categ
03	R3CONHRTF	r3conhrtf:w3	r	reports	congestive	heart	failure	since	last	w	Categ
04	R4CONHRTF	r4conhrtf:w4	r	reports	congestive	heart	failure	since	last	w	Categ
05	R5CONHRTF	r5conhrtf:w5	r	reports	congestive	heart	failure	since	last	w	Categ
06	R6CONHRTF	r6conhrtf:w6	r	reports	congestive	heart	failure	since	last	w	Categ
07	R7CONHRTF	r7conhrtf:w7	r	reports	congestive	heart	failure	since	last	w	Categ
08	R8CONHRTF	r8conhrtf:w8	r	reports	congestive	heart	failure	since	last	w	Categ
09	R9CONHRTF	r9conhrtf:w9	r	reports	congestive	heart	failure	since	last	w	Categ
10	R10CONHRTF	r10conhrtf:w10	r	reports	congestive	heart	failure	since	last	w	Categ
11	R11CONHRTF	r11conhrtf:w11	r	reports	congestive	heart	failure	since	last	w	Categ
12	R12CONHRTF	r12conhrtf:w12	r	reports	congestive	heart	failure	since	last	w	Categ
13	R13CONHRTF	r13conhrtf:w13	r	reports	congestive	heart	failure	since	last	w	Categ
14	R14CONHRTF	r14conhrtf:w14	r	reports	congestive	heart	failure	since	last	w	Categ
15	R15CONHRTF	r15conhrtf:w15	r	reports	congestive	heart	failure	since	last	w	Categ
02	S2CONHRTF	s2conhrtf:w2	s	reports	congestive	heart	failure	since	last	w	Categ
03	S3CONHRTF	s3conhrtf:w3	s	reports	congestive	heart	failure	since	last	w	Categ
04	S4CONHRTF	s4conhrtf:w4	s	reports	congestive	heart	failure	since	last	w	Categ
05	S5CONHRTF	s5conhrtf:w5	s	reports	congestive	heart	failure	since	last	w	Categ
06	S6CONHRTF	s6conhrtf:w6	s	reports	congestive	heart	failure	since	last	w	Categ
07	S7CONHRTF	s7conhrtf:w7	s	reports	congestive	heart	failure	since	last	w	Categ
08	S8CONHRTF	s8conhrtf:w8	s	reports	congestive	heart	failure	since	last	w	Categ
09	S9CONHRTF	s9conhrtf:w9	s	reports	congestive	heart	failure	since	last	w	Categ
10	S10CONHRTF	s10conhrtf:w10	s	reports	congestive	heart	failure	since	last	w	Categ
11	S11CONHRTF	s11conhrtf:w11	s	reports	congestive	heart	failure	since	last	w	Categ
12	S12CONHRTF	s12conhrtf:w12	s	reports	congestive	heart	failure	since	last	w	Categ
13	S13CONHRTF	s13conhrtf:w13	s	reports	congestive	heart	failure	since	last	w	Categ
14	S14CONHRTF	s14conhrtf:w14	s	reports	congestive	heart	failure	since	last	w	Categ
15	S15CONHRTF	s15conhrtf:w15	s	reports	congestive	heart	failure	since	last	w	Categ
10	R10HRTRHM	r10hrtrhm:w10	r	reports	abnormal	heart	rhythm	since	last	wav	Categ
11	R11HRTRHM	r11hrtrhm:w11	r	reports	abnormal	heart	rhythm	since	last	wav	Categ
12	R12HRTRHM	r12hrtrhm:w12	r	reports	abnormal	heart	rhythm	since	last	wav	Categ
13	R13HRTRHM	r13hrtrhm:w13	r	reports	abnormal	heart	rhythm	since	last	wav	Categ
14	R14HRTRHM	r14hrtrhm:w14	r	reports	abnormal	heart	rhythm	since	last	wav	Categ
15	R15HRTRHM	r15hrtrhm:w15	r	reports	abnormal	heart	rhythm	since	last	wav	Categ
10	S10HRTRHM	s10hrtrhm:w10	s	reports	abnormal	heart	rhythm	since	last	wav	Categ
11	S11HRTRHM	s11hrtrhm:w11	s	reports	abnormal	heart	rhythm	since	last	wav	Categ
12	S12HRTRHM	s12hrtrhm:w12	s	reports	abnormal	heart	rhythm	since	last	wav	Categ
13	S13HRTRHM	s13hrtrhm:w13	s	reports	abnormal	heart	rhythm	since	last	wav	Categ
14	S14HRTRHM	s14hrtrhm:w14	s	reports	abnormal	heart	rhythm	since	last	wav	Categ
15	S15HRTRHM	s15hrtrhm:w15	s	reports	abnormal	heart	rhythm	since	last	wav	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2HRTATT	17511	0.01	0.12	0.00	1.00
R3HRTATT	17957	0.03	0.16	0.00	1.00
R4HRTATT	21366	0.03	0.16	0.00	1.00
R5HRTATT	19563	0.02	0.15	0.00	1.00
R6HRTATT	18149	0.03	0.16	0.00	1.00
R7HRTATT	20102	0.02	0.15	0.00	1.00
R8HRTATT	18445	0.02	0.14	0.00	1.00
R9HRTATT	17182	0.02	0.15	0.00	1.00
R10HRTATT	21905	0.02	0.15	0.00	1.00
R11HRTATT	20455	0.02	0.14	0.00	1.00

R12HRTATT	18625	0.02	0.14	0.00	1.00
R13HRTATT	20797	0.02	0.13	0.00	1.00
R14HRTATT	17012	0.02	0.13	0.00	1.00
R15HRTATT	15577	0.01	0.12	0.00	1.00
S2HRTATT	11948	0.01	0.11	0.00	1.00
S3HRTATT	11891	0.02	0.15	0.00	1.00
S4HRTATT	13967	0.03	0.16	0.00	1.00
S5HRTATT	12725	0.02	0.15	0.00	1.00
S6HRTATT	11625	0.02	0.15	0.00	1.00
S7HRTATT	12959	0.02	0.14	0.00	1.00
S8HRTATT	11720	0.02	0.13	0.00	1.00
S9HRTATT	10623	0.02	0.14	0.00	1.00
S10HRTATT	13439	0.02	0.14	0.00	1.00
S11HRTATT	12430	0.02	0.14	0.00	1.00
S12HRTATT	10951	0.02	0.14	0.00	1.00
S13HRTATT	11729	0.01	0.12	0.00	1.00
S14HRTATT	9296	0.01	0.12	0.00	1.00
S15HRTATT	8398	0.01	0.12	0.00	1.00
R1ANGIN	12652	0.04	0.20	0.00	1.00
R2ANGIN	17516	0.02	0.13	0.00	1.00
R3ANGIN	17968	0.08	0.27	0.00	1.00
R4ANGIN	21371	0.07	0.25	0.00	1.00
R5ANGIN	19569	0.07	0.25	0.00	1.00
R6ANGIN	18154	0.07	0.25	0.00	1.00
R7ANGIN	20099	0.06	0.23	0.00	1.00
R8ANGIN	18444	0.06	0.24	0.00	1.00
R9ANGIN	17173	0.06	0.23	0.00	1.00
R10ANGIN	21913	0.02	0.15	0.00	1.00
R11ANGIN	20455	0.03	0.17	0.00	1.00
R12ANGIN	18614	0.03	0.16	0.00	1.00
R13ANGIN	20821	0.04	0.19	0.00	1.00
R14ANGIN	17010	0.03	0.17	0.00	1.00
R15ANGIN	15564	0.04	0.19	0.00	1.00
S1ANGIN	9900	0.04	0.19	0.00	1.00
S2ANGIN	11954	0.01	0.12	0.00	1.00
S3ANGIN	11899	0.07	0.25	0.00	1.00
S4ANGIN	13974	0.06	0.24	0.00	1.00
S5ANGIN	12726	0.06	0.23	0.00	1.00
S6ANGIN	11628	0.06	0.24	0.00	1.00
S7ANGIN	12958	0.05	0.22	0.00	1.00
S8ANGIN	11723	0.05	0.22	0.00	1.00
S9ANGIN	10620	0.05	0.22	0.00	1.00
S10ANGIN	13453	0.02	0.14	0.00	1.00
S11ANGIN	12428	0.02	0.15	0.00	1.00
S12ANGIN	10950	0.02	0.15	0.00	1.00
S13ANGIN	11743	0.03	0.18	0.00	1.00
S14ANGIN	9302	0.02	0.15	0.00	1.00
S15ANGIN	8394	0.03	0.18	0.00	1.00
R2CONHRTF	17455	0.01	0.09	0.00	1.00
R3CONHRTF	17959	0.03	0.16	0.00	1.00
R4CONHRTF	21351	0.03	0.16	0.00	1.00
R5CONHRTF	19564	0.03	0.17	0.00	1.00
R6CONHRTF	18148	0.03	0.18	0.00	1.00
R7CONHRTF	20089	0.03	0.18	0.00	1.00
R8CONHRTF	18439	0.04	0.19	0.00	1.00
R9CONHRTF	17174	0.04	0.20	0.00	1.00
R10CONHRTF	21908	0.03	0.18	0.00	1.00
R11CONHRTF	20445	0.03	0.18	0.00	1.00
R12CONHRTF	18613	0.04	0.19	0.00	1.00

R13CONHRTF	20812	0.04	0.19	0.00	1.00
R14CONHRTF	17004	0.03	0.18	0.00	1.00
R15CONHRTF	15565	0.04	0.19	0.00	1.00
S2CONHRTF	11951	0.01	0.09	0.00	1.00
S3CONHRTF	11892	0.02	0.14	0.00	1.00
S4CONHRTF	13963	0.02	0.15	0.00	1.00
S5CONHRTF	12727	0.02	0.15	0.00	1.00
S6CONHRTF	11623	0.03	0.16	0.00	1.00
S7CONHRTF	12951	0.03	0.16	0.00	1.00
S8CONHRTF	11719	0.03	0.17	0.00	1.00
S9CONHRTF	10617	0.03	0.17	0.00	1.00
S10CONHRTF	13450	0.03	0.16	0.00	1.00
S11CONHRTF	12426	0.03	0.16	0.00	1.00
S12CONHRTF	10947	0.03	0.17	0.00	1.00
S13CONHRTF	11735	0.03	0.17	0.00	1.00
S14CONHRTF	9297	0.03	0.16	0.00	1.00
S15CONHRTF	8400	0.03	0.17	0.00	1.00
R10HRTRHM	21884	0.07	0.26	0.00	1.00
R11HRTRHM	20440	0.09	0.28	0.00	1.00
R12HRTRHM	18607	0.09	0.29	0.00	1.00
R13HRTRHM	20802	0.08	0.27	0.00	1.00
R14HRTRHM	17008	0.10	0.30	0.00	1.00
R15HRTRHM	15554	0.09	0.29	0.00	1.00
S10HRTRHM	13447	0.07	0.25	0.00	1.00
S11HRTRHM	12420	0.08	0.27	0.00	1.00
S12HRTRHM	10942	0.08	0.28	0.00	1.00
S13HRTRHM	11740	0.07	0.25	0.00	1.00
S14HRTRHM	9297	0.09	0.29	0.00	1.00
S15HRTRHM	8391	0.08	0.27	0.00	1.00

### Categorical Variable Codes

Value-----	R2HRTATT	R3HRTATT	R4HRTATT	R5HRTATT	
.d:DK	15	22	18	14	
.m:Missing	67	12			
.q:not asked this wave	2224				
.r:Refuse				1	
0.no	17258	17499	20797	19084	
1.yes	253	458	569	479	
Value-----	R6HRTATT	R7HRTATT	R8HRTATT	R9HRTATT	R10HRTATT
.d:DK	16	26	24	31	100
.m:Missing					26
.r:Refuse		1		4	3
0.no	17681	19651	18067	16800	21416
1.yes	468	451	378	382	489
Value-----	R11HRTATT	R12HRTATT	R13HRTATT	R14HRTATT	R15HRTATT
.d:DK	95	117	88	51	41
.m:Missing	2	3	25	78	101
.r:Refuse	2	2	2	5	4
0.no	20057	18253	20459	16737	15344
1.yes	398	372	338	275	233
Value-----	S2HRTATT	S3HRTATT	S4HRTATT	S5HRTATT	
.d:DK	10	16	11	5	
.m:Missing	7	9			
.q:not asked this wave	1123				
.u:not coupled	5976	5659	6870	6537	
.v:SP NR	578	416	536	311	
0.no	11799	11622	13613	12421	
1.yes	149	269	354	304	
Value-----	S6HRTATT	S7HRTATT	S8HRTATT	S9HRTATT	S10HRTATT
.d:DK	7	9	8	15	51

.m:Missing					17
.r:Refuse				2	1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11342	12694	11516	10398	13161
1.yes	283	265	204	225	278
Value-----	S11HRTATT	S12HRTATT	S13HRTATT	S14HRTATT	S15HRTATT
.d:DK	43	57	35	21	21
.m:Missing	2	3	13	39	47
.r:Refuse	1	1	1	2	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	12198	10740	11554	9158	8281
1.yes	232	211	175	138	117
Value-----	R1ANGIN	R2ANGIN	R3ANGIN	R4ANGIN	R5ANGIN
.d:DK		10	12	13	8
.m:Missing		67	11		
.q:not asked this wave		2224			
.r:Refuse					1
0.no	12109	17203	16601	19898	18289
1.yes	543	313	1367	1473	1280
Value-----	R6ANGIN	R7ANGIN	R8ANGIN	R9ANGIN	R10ANGIN
.d:DK	11	29	25	40	119
.r:Refuse		1		4	2
0.no	16929	18924	17277	16178	21398
1.yes	1225	1175	1167	995	515
Value-----	R11ANGIN	R12ANGIN	R13ANGIN	R14ANGIN	R15ANGIN
.d:DK	95	131	88	54	53
.m:Missing	2		1	78	101
.r:Refuse	2	2	2	4	5
0.no	19881	18096	20008	16532	14963
1.yes	574	518	813	478	601
Value-----	S1ANGIN	S2ANGIN	S3ANGIN	S4ANGIN	S5ANGIN
.d:DK		4	8	4	4
.m:Missing		7	9		
.q:not asked this wave		1123			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9526	11777	11098	13097	11997
1.yes	374	177	801	877	729
Value-----	S6ANGIN	S7ANGIN	S8ANGIN	S9ANGIN	S10ANGIN
.d:DK	4	10	5	18	54
.r:Refuse				2	1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	10939	12293	11101	10072	13177
1.yes	689	665	622	548	276
Value-----	S11ANGIN	S12ANGIN	S13ANGIN	S14ANGIN	S15ANGIN
.d:DK	45	61	34	17	25
.m:Missing	2			39	47
.r:Refuse	1	1	1		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	12125	10695	11349	9077	8127
1.yes	303	255	394	225	267
Value-----		R2CONHRTF	R3CONHRTF	R4CONHRTF	R5CONHRTF
.d:DK		13	21	33	13
.m:Missing		124	11		
.q:not asked this wave		2224			
.r:Refuse		1			1
0.no		17312	17494	20778	18988
1.yes		143	465	573	576
Value-----	R6CONHRTF	R7CONHRTF	R8CONHRTF	R9CONHRTF	R10CONHRTF
.d:DK	17	39	30	39	124
.r:Refuse		1		4	2
0.no	17521	19426	17730	16484	21173
1.yes	627	663	709	690	735

Value-----	R11CONHRTF	R12CONHRTF	R13CONHRTF	R14CONHRTF	R15CONHRTF
.d:DK	106	131	96	58	53
.m:Missing	1		1	78	101
.r:Refuse	2	3	3	6	4
0.no	19762	17908	20003	16415	14970
1.yes	683	705	809	589	595
Value-----		S2CONHRTF	S3CONHRTF	S4CONHRTF	S5CONHRTF
.d:DK		6	15	15	3
.m:Missing		7	9		
.q:not asked this wave		1123			
.r:Refuse		1			
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
0.no		11855	11641	13639	12417
1.yes		96	251	324	310
Value-----	S6CONHRTF	S7CONHRTF	S8CONHRTF	S9CONHRTF	S10CONHRTF
.d:DK	9	17	9	21	57
.r:Refuse				2	1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11317	12614	11367	10292	13091
1.yes	306	337	352	325	359
Value-----	S11CONHRTF	S12CONHRTF	S13CONHRTF	S14CONHRTF	S15CONHRTF
.d:DK	48	64	42	19	19
.m:Missing	1			39	47
.r:Refuse	1	1	1	3	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	12084	10624	11394	9044	8153
1.yes	342	323	341	253	247
Value-----					R10HRTRHM
.d:DK					146
.r:Refuse					4
0.no					20327
1.yes					1557
Value-----	R11HRTRHM	R12HRTRHM	R13HRTRHM	R14HRTRHM	R15HRTRHM
.d:DK	111	137	106	55	62
.m:Missing	1		1	78	101
.r:Refuse	2	3	3	5	6
0.no	18631	16895	19159	15319	14141
1.yes	1809	1712	1643	1689	1413
Value-----					S10HRTRHM
.d:DK					59
.r:Refuse					2
.u:not coupled					7804
.v:SP NR					722
0.no					12531
1.yes					916
Value-----	S11HRTRHM	S12HRTRHM	S13HRTRHM	S14HRTRHM	S15HRTRHM
.d:DK	54	68	37	21	26
.m:Missing	1			39	47
.r:Refuse	1	2	1	1	2
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11404	10013	10937	8446	7715
1.yes	1016	929	803	851	676

## How Constructed:

RwHRTATT, RwANGIN, RwCONHRTF, and RwhRTRHM indicate whether the respondent reported being diagnosed with the specified condition since the last wave or in the last two years. RwANGIN is available in all waves. RwhRTATT and RwCONHRTF are available starting in Wave 2. RwhRTRHM is available starting in Wave 10. These variables are coded as 0.no, and 1.yes. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. Respondents in the AHEAD sample in Wave 2 are not asked these questions about angina, heart attack, or congestive heart failure,



and Rwhrtatt, Rwangin, and Rwconhrtf are assigned special missing code .q in Wave 2. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

Rwhrtatt indicates whether the respondent reported being diagnosed with a heart attack since the last interview or in the last two years. In the HRS cohort in Wave 2 only respondents who were interviewed in HRS Wave 1 were asked this question. Respondents are not asked about a heart attack if they did not report a heart problem in the current wave, or, starting in Wave 3, if they are not currently taking medication for a heart problem and have not seen a doctor for their heart problems in the last 2 years. In either of these cases, respondents are assumed to not have had a heart attack since the last wave and are assigned a value of 0. Starting in Wave 10, the HRS first asks respondents when was their first heart attack and whether they have had any more heart attacks since then, and if the respondent has had more heart attacks they are asked when was their most recent heart attack. The HRS then asks respondents who reported having had a heart attack but not since the last interview or in the last two years, whether they have had a heart attack since the last interview or in the last two years.

Rwangin indicates whether the respondent has had angina or chest pains due to their heart since the last interview or in the last two years. Respondents are not asked about angina if they did not report a heart problem or heart attack in the current wave, or, starting in Wave 3, if they are not currently taking medication for a heart problem and have not seen a doctor for their heart problems in the last 2 years. In either of these cases, respondents are assumed to not have angina and are assigned a value of 0. In Wave 1 and Wave 2 respondents were asked whether they currently have angina. Starting in Wave 3 respondents are asked whether they have had angina since the last interview or in the last two years. Starting in Wave 10, the HRS first asks respondents whether a doctor has ever told them they have angina. If they responded yes, they are then asked when their angina was first diagnosed. The HRS then asks respondents who reported having had angina but not since the last interview or in the last two years, whether they have had angina or chest pains due to their heart since the last interview or in the last two years.

Rwconhrtf indicates whether the respondent reported being diagnosed with congestive heart failure since the last interview or in the last two years. In the HRS cohort in Wave 2, only respondents who were interviewed in Wave 1 were asked this question. Respondents are not asked about congestive heart failure if they did not report a heart problem in the current wave, or, starting in Wave 3, if they are not currently taking medication for a heart problem and have not seen a doctor for their heart problems in the last 2 years. In either of these cases, respondents are assumed to not have congestive heart failure and are assigned a value of 0. Starting in Wave 10, the HRS first asks respondents when their congestive heart failure was first diagnosed. The HRS then asks respondents who reported having had congestive heart failure but not since the last interview or in the last two years, whether they have had congestive heart failure since the last interview or in the last two years.

Rwhrtrhm indicates whether the respondent reported being diagnosed with an abnormal heart rhythm since the last interview or in the last two years. Respondents are not asked about abnormal heart rhythm if they did not report a heart problem in the current wave, or if they are not currently taking medication for a heart problem and have not seen a doctor for their heart problems in the last 2 years. In either of these cases, respondents are assumed to not have an abnormal heart rhythm and are assigned a value of 0. The HRS first asks respondents when their abnormal heart rhythm was first diagnosed. The HRS then asks respondents who reported having had an abnormal heart rhythm but not since the last interview or in the last two years, whether they have had an abnormal heart rhythm since the last interview or in the last two years.

Swhrtatt, Swangin, Swconhrtf, and Swhrtrhm indicate whether the respondent's current wave's spouse has been diagnosed with the specified condition since the last interview or in the last two years, and are taken from Rwhrtatt, Rwangin, Rwconhrtf, and Rwhrtrhm. In addition to the special missing codes employed by Rwhrtatt, Rwangin, Rwconhrtf, and Rwhrtrhm, Swhrtatt, Swangin, Swconhrtf, and Swhrtrhm employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In the HRS sample in Wave 2 only respondents who were interviewed in HRS Wave 1 were asked whether they had a heart attack since the last interview or in the last two years. Respondents in the AHEAD sample in Wave 2 are not asked about having had a heart attack. Starting in Wave 3, respondents who report not taking any heart medication and report not having seen a doctor about their heart in the past 2 years are

not asked whether they had a heart attack. Starting in Wave 10, the HRS first asks respondents when was their first heart attack and whether they have had any more heart attacks since then, and if the respondent has had more heart attacks they are asked when was their most recent heart attack. The HRS then asks respondents who reported having had a heart attack but not since the last interview or in the last two years, whether they have had a heart attack since the last interview or in the last two years.

In Waves 1 and 2 respondents were asked whether they currently have angina or chest pains due to their heart. Starting in Wave 3 respondents are asked whether they have had angina or chest pains due to their heart since the last interview or in the last two years. Starting in Wave 3, respondents who report not taking any heart medication and report not having seen a doctor about their heart in the past 2 years are not asked about having had angina. Starting in Wave 10, the HRS first asks respondents if a doctor has ever told them they have angina. If they respond yes they are then asked when their angina was first diagnosed. The HRS then asks respondents who reported having had angina but not since the last interview or in the last two years, whether they have had angina or any chest pains due to their heart since the last interview or in the last two years. Due to an added entry question starting in Wave 10 which specified that a doctor had to have diagnosed angina, instead of just having experienced angina or chest pains due to their heart (as was asked in all earlier waves), the frequency of reports of angina decreased significantly.

In the HRS sample in Wave 2 only respondents who were interviewed in HRS Wave 1 were asked whether they had congestive heart failure since the last interview or in the last two years. Respondents in the AHEAD sample in Wave 2 are not asked about having had congestive heart failure since the last interview or in the last two years and are assigned special missing code .q in Wave 2. Starting in Wave 3, respondents who report not taking any heart medication and report not having seen a doctor about their heart in the past 2 years are not asked about having had congestive heart failure. Starting in Wave 10, the HRS first asks respondents whether they have ever been told by a doctor they had congestive heart failure. If they respond yes, they are asked when their congestive heart failure was first diagnosed. The HRS then asks respondents who reported having had congestive heart failure but not since the last interview or in the last two years, whether they have had congestive heart failure since the last interview or in the last two years.

Questions about having an abnormal heart rhythm since the last interview begin in Wave 10, and so RWHRTRHM is available starting in Wave 10. The HRS first asks respondents when their abnormal heart rhythm was first diagnosed. The HRS then asks respondents who reported having had an abnormal heart rhythm but not since the last interview or in the last two years, whether they have had an abnormal heart rhythm since the last interview or in the last two years.

## HRS Variables Used:

```
RAND HRS:
R10HEARTE      r10hearte:w10 r ever had heart problems
R10IWENDY      r10iwendy:w10 interview end year
R11HEARTE      r11hearte:w11 r ever had heart problems
R11IWENDY      r11iwendy:w11 interview end year
R12HEARTE      r12hearte:w12 r ever had heart problems
R12IWENDY      r12iwendy:w12 interview end year
R13HEARTE      r13hearte:w13 r ever had heart problems
R13IWENDY      r13iwendy:w13 interview end year
R14HEARTE      r14hearte:w14 r ever had heart problems
R14IWENDY      r14iwendy:w14 interview end year
R15HEARTE      r15hearte:w15 r ever had heart problems
R15IWENDY      r15iwendy:w15 interview end year
R1HEARTE       r1hearte:w1 r ever had heart problems
R2HEARTE       r2hearte:w2 r ever had heart problems
R3HEARTE       r3hearte:w3 r ever had heart problems
R4HEARTE       r4hearte:w4 r ever had heart problems
R5HEARTE       r5hearte:w5 r ever had heart problems
R6HEARTE       r6hearte:w6 r ever had heart problems
R7HEARTE       r7hearte:w7 r ever had heart problems
R8HEARTE       r8hearte:w8 r ever had heart problems
R9HEARTE       r9hearte:w9 r ever had heart problems
Wave 1:
V407           b16a:hrt attk/myocrl:imp
```

V409 b17:anigma/chest pai:imp  
V411 b18:congestv hrt fai:imp

Wave 2 AHEAD:  
BN\_INHH ahd w1: # r's responding in hhold

Wave 2 HRS:  
W369 b15a.heart attack/myocar  
W371 b16.angina/chest pains  
W373 b17.congestive heart fai  
WN\_INHH hrs w2: # in hhold (r1/r2 only)

Wave 3 AHEAD:  
D829 b7a. heart medication  
D830 b7b. heart seen dr  
D834 b7d. heart attack  
D840 b7i. angina  
D843 b7k. congestive heart

Wave 3 HRS:  
E829 b7a. heart medication  
E830 b7b. heart seen dr  
E834 b7d. heart attack  
E840 b7i. angina  
E843 b7kb. congestive heart

Wave 4:  
F1157 b7a. heart medication  
F1158 b7b. heart seen dr  
F1162 b7d. heart attack  
F1168 b7i. angina  
F1171 b7kb. congestive heart

Wave 5:  
G1290 b7a. heart medication  
G1291 b7b. heart seen dr  
G1295 b7d. heart attack  
G1301 b7i. angina  
G1304 b7kb. congestive heart

Wave 6:  
HC037 heart medication  
HC038 has r seen heart doctor  
HC040 heart attack  
HC045 angina  
HC048 congestive heart failure

Wave 7:  
JC037 heart medication  
JC038 has r seen heart doctor  
JC040 heart attack  
JC045 angina  
JC048 congestive heart failure

Wave 8:  
KC037 heart medication  
KC038 has r seen heart doctor  
KC040 heart attack  
KC045 angina  
KC048 congestive heart failure

Wave 9:  
LC037 heart medication  
LC038 has r seen heart doctor  
LC040 heart attack  
LC045 angina  
LC048 congestive heart failure  
LC240 has had shingles

Wave 10:  
MC037 heart medication  
MC038 has r seen heart doctor  
MC040 heart attack  
MC045 angina

MC048 congestive heart failure  
MC240 has had shingles  
MC257 ever had heart attack  
MC258 year first had heart attack  
MC260 ever had angina  
MC261 year had first angina  
MC263 ever had heart failure  
MC264 year first had heart failure  
MC266 ever had abnormal heart rhythm  
MC267 year first had abnormal heart rhythm  
MC269 recent report abnormal heart rhythm  
MC276 year of most recent heart attack  
MZ076 r ever interviewed  
MZ242 r has been asked about shingles in pw

## Wave 11:

NC036 heart condition  
NC037 heart medication  
NC038 has r seen heart doctor  
NC040 heart attack  
NC045 angina  
NC048 congestive heart failure  
NC240 has had shingles  
NC257 ever had heart attack  
NC258 year first had heart attack  
NC260 ever had angina  
NC261 year had first angina  
NC263 ever had heart failure  
NC264 year first had heart failure  
NC266 ever had abnormal heart rhythm  
NC267 year first had abnormal heart rhythm  
NC269 recent report abnormal heart rhythm  
NC276 year of most recent heart attack  
NZ076 r ever interviewed  
NZ093 prev wave iw year  
NZ242 r has been asked about shingles in pw  
NZ255 heart disease baseline

## Wave 12:

OC036 heart condition  
OC037 heart medication  
OC038 has r seen heart doctor  
OC040 heart attack  
OC045 angina  
OC048 congestive heart failure  
OC240 has had shingles  
OC257 ever had heart attack  
OC258 year first had heart attack  
OC260 ever had angina  
OC261 year had first angina  
OC263 ever had heart failure  
OC264 year first had heart failure  
OC266 ever had abnormal heart rhythm  
OC267 year first had abnormal heart rhythm  
OC269 recent report abnormal heart rhythm  
OC276 year of most recent heart attack  
OZ093 prev wave iw year  
OZ242 r has been asked about shingles in pw

## Wave 13:

PC036 heart condition  
PC037 heart medication  
PC038 has r seen heart doctor  
PC040 heart attack  
PC045 angina  
PC048 congestive heart failure

PC240 has had shingles  
PC257 ever had heart attack  
PC258 year first had heart attack  
PC260 ever had angina  
PC261 year had first angina  
PC263 ever had heart failure  
PC264 year first had heart failure  
PC266 ever had abnormal heart rhythm  
PC267 year first had abnormal heart rhythm  
PC269 recent report abnormal heart rhythm  
PC276 year of most recent heart attack  
PZ093 prev wave iw year  
PZ242 r has been asked about shingles in pw

## Wave 14:

QC036 heart condition  
QC037 heart medication  
QC038 has r seen heart doctor  
QC040 heart attack  
QC045 angina  
QC048 congestive heart failure  
QC240 has had shingles  
QC257 ever had heart attack  
QC258 year first had heart attack  
QC260 ever had angina  
QC261 year had first angina  
QC263 ever had heart failure  
QC264 year first had heart failure  
QC266 ever had abnormal heart rhythm  
QC267 year first had abnormal heart rhythm  
QC269 recent report abnormal heart rhythm  
QC276 year of most recent heart attack  
QZ093 prev wave iw year  
QZ242 r has been asked about shingles in pw

## Wave 15:

RC036 heart condition  
RC037 heart medication  
RC038 has r seen heart doctor  
RC040 heart attack  
RC045 angina  
RC048 congestive heart failure  
RC240 has had shingles  
RC257 ever had heart attack  
RC258 year first had heart attack  
RC260 ever had angina  
RC261 year had first angina  
RC263 ever had heart failure  
RC264 year first had heart failure  
RC266 ever had abnormal heart rhythm  
RC267 year first had abnormal heart rhythm  
RC269 recent report abnormal heart rhythm  
RC276 year of most recent heart attack  
RZ093 prev wave iw year  
RZ242 r has been asked about shingles in pw

<b>Doctor Diagnosed Diseases: Whether Disease Limits Activity</b>
---

Wave	Variable	Label	Type
01	R1LUNGLMT	r1lunglmt:w1 r whether lung condition limits activity	Categ
02	R2LUNGLMT	r2lunglmt:w2 r whether lung condition limits activity	Categ
03	R3LUNGLMT	r3lunglmt:w3 r whether lung condition limits activity	Categ
04	R4LUNGLMT	r4lunglmt:w4 r whether lung condition limits activity	Categ
05	R5LUNGLMT	r5lunglmt:w5 r whether lung condition limits activity	Categ
06	R6LUNGLMT	r6lunglmt:w6 r whether lung condition limits activity	Categ
07	R7LUNGLMT	r7lunglmt:w7 r whether lung condition limits activity	Categ
08	R8LUNGLMT	r8lunglmt:w8 r whether lung condition limits activity	Categ
09	R9LUNGLMT	r9lunglmt:w9 r whether lung condition limits activity	Categ
10	R10LUNGLMT	r10lunglmt:w10 r whether lung condition limits activity	Categ
11	R11LUNGLMT	r11lunglmt:w11 r whether lung condition limits activity	Categ
01	S1LUNGLMT	s1lunglmt:w1 s whether lung condition limits activity	Categ
02	S2LUNGLMT	s2lunglmt:w2 s whether lung condition limits activity	Categ
03	S3LUNGLMT	s3lunglmt:w3 s whether lung condition limits activity	Categ
04	S4LUNGLMT	s4lunglmt:w4 s whether lung condition limits activity	Categ
05	S5LUNGLMT	s5lunglmt:w5 s whether lung condition limits activity	Categ
06	S6LUNGLMT	s6lunglmt:w6 s whether lung condition limits activity	Categ
07	S7LUNGLMT	s7lunglmt:w7 s whether lung condition limits activity	Categ
08	S8LUNGLMT	s8lunglmt:w8 s whether lung condition limits activity	Categ
09	S9LUNGLMT	s9lunglmt:w9 s whether lung condition limits activity	Categ
10	S10LUNGLMT	s10lunglmt:w10 s whether lung condition limits activity	Categ
11	S11LUNGLMT	s11lunglmt:w11 s whether lung condition limits activity	Categ
03	R3ANGLMT	r3anglmt:w3 r whether angina limits activity	Categ
04	R4ANGLMT	r4anglmt:w4 r whether angina limits activity	Categ
05	R5ANGLMT	r5anglmt:w5 r whether angina limits activity	Categ
06	R6ANGLMT	r6anglmt:w6 r whether angina limits activity	Categ
07	R7ANGLMT	r7anglmt:w7 r whether angina limits activity	Categ
08	R8ANGLMT	r8anglmt:w8 r whether angina limits activity	Categ
09	R9ANGLMT	r9anglmt:w9 r whether angina limits activity	Categ
10	R10ANGLMT	r10anglmt:w10 r whether angina limits activity	Categ
11	R11ANGLMT	r11anglmt:w11 r whether angina limits activity	Categ
03	S3ANGLMT	s3anglmt:w3 s whether angina limits activity	Categ
04	S4ANGLMT	s4anglmt:w4 s whether angina limits activity	Categ
05	S5ANGLMT	s5anglmt:w5 s whether angina limits activity	Categ
06	S6ANGLMT	s6anglmt:w6 s whether angina limits activity	Categ
07	S7ANGLMT	s7anglmt:w7 s whether angina limits activity	Categ
08	S8ANGLMT	s8anglmt:w8 s whether angina limits activity	Categ
09	S9ANGLMT	s9anglmt:w9 s whether angina limits activity	Categ
10	S10ANGLMT	s10anglmt:w10 s whether angina limits activity	Categ
11	S11ANGLMT	s11anglmt:w11 s whether angina limits activity	Categ
03	R3ARTHLMT	r3arthlmt:w3 r whether arthritis limits activity	Categ
04	R4ARTHLMT	r4arthlmt:w4 r whether arthritis limits activity	Categ
05	R5ARTHLMT	r5arthlmt:w5 r whether arthritis limits activity	Categ
06	R6ARTHLMT	r6arthlmt:w6 r whether arthritis limits activity	Categ
07	R7ARTHLMT	r7arthlmt:w7 r whether arthritis limits activity	Categ
08	R8ARTHLMT	r8arthlmt:w8 r whether arthritis limits activity	Categ
09	R9ARTHLMT	r9arthlmt:w9 r whether arthritis limits activity	Categ
10	R10ARTHLMT	r10arthlmt:w10 r whether arthritis limits activity	Categ
11	R11ARTHLMT	r11arthlmt:w11 r whether arthritis limits activity	Categ
03	S3ARTHLMT	s3arthlmt:w3 s whether arthritis limits activity	Categ
04	S4ARTHLMT	s4arthlmt:w4 s whether arthritis limits activity	Categ
05	S5ARTHLMT	s5arthlmt:w5 s whether arthritis limits activity	Categ

06	S6ARTHLMT	s6arthlmt:w6	s whether arthritis limits activity	Categ
07	S7ARTHLMT	s7arthlmt:w7	s whether arthritis limits activity	Categ
08	S8ARTHLMT	s8arthlmt:w8	s whether arthritis limits activity	Categ
09	S9ARTHLMT	s9arthlmt:w9	s whether arthritis limits activity	Categ
10	S10ARTHLMT	s10arthlmt:w10	s whether arthritis limits activity	Categ
11	S11ARTHLMT	s11arthlmt:w11	s whether arthritis limits activity	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LUNGLMT	1018	0.40	0.49	0.00	1.00
R2LUNGLMT	1192	0.46	0.50	0.00	1.00
R3LUNGLMT	1748	0.42	0.49	0.00	1.00
R4LUNGLMT	1928	0.44	0.50	0.00	1.00
R5LUNGLMT	1801	0.44	0.50	0.00	1.00
R6LUNGLMT	1759	0.46	0.50	0.00	1.00
R7LUNGLMT	1901	0.45	0.50	0.00	1.00
R8LUNGLMT	1867	0.47	0.50	0.00	1.00
R9LUNGLMT	1871	0.45	0.50	0.00	1.00
R10LUNGLMT	2168	0.46	0.50	0.00	1.00
R11LUNGLMT	2098	0.46	0.50	0.00	1.00
S1LUNGLMT	743	0.37	0.48	0.00	1.00
S2LUNGLMT	652	0.41	0.49	0.00	1.00
S3LUNGLMT	1071	0.39	0.49	0.00	1.00
S4LUNGLMT	1120	0.42	0.49	0.00	1.00
S5LUNGLMT	1047	0.43	0.49	0.00	1.00
S6LUNGLMT	980	0.43	0.50	0.00	1.00
S7LUNGLMT	1056	0.42	0.49	0.00	1.00
S8LUNGLMT	1027	0.43	0.50	0.00	1.00
S9LUNGLMT	1003	0.41	0.49	0.00	1.00
S10LUNGLMT	1144	0.43	0.50	0.00	1.00
S11LUNGLMT	1092	0.46	0.50	0.00	1.00
R3ANGLMT	1849	0.39	0.49	0.00	1.00
R4ANGLMT	1472	0.51	0.50	0.00	1.00
R5ANGLMT	1279	0.49	0.50	0.00	1.00
R6ANGLMT	1223	0.50	0.50	0.00	1.00
R7ANGLMT	1174	0.46	0.50	0.00	1.00
R8ANGLMT	1165	0.45	0.50	0.00	1.00
R9ANGLMT	992	0.44	0.50	0.00	1.00
R10ANGLMT	513	0.51	0.50	0.00	1.00
R11ANGLMT	569	0.53	0.50	0.00	1.00
S3ANGLMT	1122	0.37	0.48	0.00	1.00
S4ANGLMT	876	0.50	0.50	0.00	1.00
S5ANGLMT	729	0.47	0.50	0.00	1.00
S6ANGLMT	688	0.47	0.50	0.00	1.00
S7ANGLMT	664	0.43	0.50	0.00	1.00
S8ANGLMT	621	0.43	0.50	0.00	1.00
S9ANGLMT	547	0.43	0.50	0.00	1.00
S10ANGLMT	275	0.51	0.50	0.00	1.00
S11ANGLMT	301	0.54	0.50	0.00	1.00
R3ARTHLMT	3822	0.46	0.50	0.00	1.00
R4ARTHLMT	11247	0.41	0.49	0.00	1.00
R5ARTHLMT	11120	0.40	0.49	0.00	1.00
R6ARTHLMT	10835	0.41	0.49	0.00	1.00
R7ARTHLMT	11454	0.44	0.50	0.00	1.00
R8ARTHLMT	11021	0.44	0.50	0.00	1.00
R9ARTHLMT	10577	0.44	0.50	0.00	1.00
R10ARTHLMT	11963	0.48	0.50	0.00	1.00

R11ARTHLMT	11617	0.48	0.50	0.00	1.00
S3ARTHLMT	1793	0.42	0.49	0.00	1.00
S4ARTHLMT	6830	0.39	0.49	0.00	1.00
S5ARTHLMT	6748	0.38	0.49	0.00	1.00
S6ARTHLMT	6580	0.38	0.49	0.00	1.00
S7ARTHLMT	6910	0.41	0.49	0.00	1.00
S8ARTHLMT	6584	0.41	0.49	0.00	1.00
S9ARTHLMT	6162	0.40	0.49	0.00	1.00
S10ARTHLMT	6877	0.45	0.50	0.00	1.00
S11ARTHLMT	6605	0.46	0.50	0.00	1.00

### Categorical Variable Codes

Value-----	R1LUNGLMT	R2LUNGLMT	R3LUNGLMT	R4LUNGLMT	R5LUNGLMT
.d:DK		4	4	3	1
.j:no job		2			
.m:Missing		149	11	7	5
.s:skipped		533			
.x:does not have condition	11634	17937	16228	19446	17771
0.no	614	649	1022	1084	1012
1.yes	404	543	726	844	789

Value-----	R6LUNGLMT	R7LUNGLMT	R8LUNGLMT	R9LUNGLMT	R10LUNGLMT
.d:DK	2	2	4	4	32
.m:Missing	51	71	74	77	72
.r:Refuse					1
.x:does not have condition	16353	18155	16524	15265	19761
0.no	946	1037	995	1037	1175
1.yes	813	864	872	834	993

Value-----	R11LUNGLMT				
.d:DK	21				
.m:Missing	96				
.r:Refuse	2				
.x:does not have condition	18337				
0.no	1127				
1.yes	971				

Value-----	S1LUNGLMT	S2LUNGLMT	S3LUNGLMT	S4LUNGLMT	S5LUNGLMT
.d:DK		3	2		
.j:no job		1			
.m:Missing			8	3	4
.s:skipped		375			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.x:does not have condition	9157	12057	10835	12855	11679
0.no	469	387	653	654	602
1.yes	274	265	418	466	445

Value-----	S6LUNGLMT	S7LUNGLMT	S8LUNGLMT	S9LUNGLMT	S10LUNGLMT
.d:DK	1	2	2		12
.m:Missing	24	27	40	42	32
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:does not have condition	10627	11883	10659	9595	12320
0.no	558	615	583	593	653
1.yes	422	441	444	410	491

Value-----	S11LUNGLMT				
.d:DK	10				
.m:Missing	46				
.u:not coupled	7483				
.v:SP NR	595				
.x:does not have condition	11328				
0.no	595				
1.yes	497				

Value-----		R3ANGLMT	R4ANGLMT	R5ANGLMT
.d:DK		12	13	8
.m:Missing		11		
.r:Refuse			1	1



.x:does not have condition			16119	19898	18290
0.no			1137	721	651
1.yes			712	751	628
Value-----	R6ANGLMT	R7ANGLMT	R8ANGLMT	R9ANGLMT	R10ANGLMT
.d:DK	13	30	26	36	64
.m:Missing					66
.r:Refuse		1		1	
.x:does not have condition	16929	18924	17278	16188	21391
0.no	615	636	635	554	253
1.yes	608	538	530	438	260
Value-----	R11ANGLMT				
.d:DK	74				
.m:Missing	255				
.x:does not have condition	19656				
0.no	266				
1.yes	303				
Value-----			S3ANGLMT	S4ANGLMT	S5ANGLMT
.d:DK			8	4	4
.m:Missing			9		
.r:Refuse				1	
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
.x:does not have condition			10777	13097	11997
0.no			707	439	384
1.yes			415	437	345
Value-----	S6ANGLMT	S7ANGLMT	S8ANGLMT	S9ANGLMT	S10ANGLMT
.d:DK	5	11	6	15	30
.m:Missing					38
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:does not have condition	10939	12293	11101	10078	13165
0.no	368	376	353	310	136
1.yes	320	288	268	237	139
Value-----	S11ANGLMT				
.d:DK	36				
.m:Missing	136				
.u:not coupled	7483				
.v:SP NR	595				
.x:does not have condition	12003				
0.no	137				
1.yes	164				
Value-----			R3ARTHLMT	R4ARTHLMT	R5ARTHLMT
.d:DK			7	10	10
.m:Missing			17	21	13
.q:not asked this wave			10964		
.x:does not have condition			3181	10106	8435
0.no			2072	6580	6619
1.yes			1750	4667	4501
Value-----	R6ARTHLMT	R7ARTHLMT	R8ARTHLMT	R9ARTHLMT	R10ARTHLMT
.d:DK	13	27	21	14	37
.m:Missing	189	217	286	307	298
.r:Refuse	1				
.x:does not have condition	7127	8431	7141	6319	9736
0.no	6355	6415	6164	5935	6198
1.yes	4480	5039	4857	4642	5765
Value-----	R11ARTHLMT				
.d:DK	51				
.m:Missing	329				
.r:Refuse	1				
.x:does not have condition	8556				
0.no	6019				
1.yes	5598				
Value-----			S3ARTHLMT	S4ARTHLMT	S5ARTHLMT
.d:DK			2	4	7
.m:Missing			14	14	8
.q:not asked this wave			8306		
.u:not coupled			5659	6870	6537

.v:SP NR			416	536	311
.x:does not have condition			1801	7130	5967
0.no			1032	4192	4192
1.yes			761	2638	2556
Value-----	S6ARTHLMT	S7ARTHLMT	S8ARTHLMT	S9ARTHLMT	S10ARTHLMT
.d:DK	4	9	4	2	18
.m:Missing	96	117	171	174	174
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:does not have condition	4952	5932	4969	4302	6439
0.no	4065	4102	3917	3686	3811
1.yes	2515	2808	2667	2476	3066
Value-----	S11ARTHLMT				
.d:DK	25				
.m:Missing	199				
.u:not coupled	7483				
.v:SP NR	595				
.x:does not have condition	5647				
0.no	3587				
1.yes	3018				

## How Constructed:

RwLUNGLMT, RwANGLMT, and Rwarthlmt indicate whether a specified health condition limits the daily activity of the respondent. RwLUNGLMT indicates whether lung disease limits the daily activities of the respondent. RwANGLMT indicates whether angina limits the daily activities of the respondent. Rwarthlmt indicates whether arthritis limits the daily activities of the respondent. RwLUNGLMT, RwANGLMT, and Rwarthlmt are coded as 0.no and 1.yes. Respondents who have never been diagnosed with the specified condition or are not currently experiencing angina are not asked these questions and these variables are assigned a special missing code .x. In Wave 2, respondents asked whether lung disease limits their daily activities have the option of saying that they have no job, these instances are assigned special missing .j. In Wave 2, if respondents reported having lung disease in the first wave, then RwLUNGLMT is not available and is assigned special missing .s. Wave 3 HRS respondents are not asked about arthritis limiting their daily activity and so Rwarthlmt is assigned special missing .q in Wave 3. Starting in Wave 6, if the respondent reported a heart problem in a previous wave and has been previously interviewed, then RwANGLMT is not asked and is assigned special missing .s. Don't know, refused, or other missing responses of RwLUNGLMT, RwANGLMT, and Rwarthlmt are assigned special missing codes .d, .r, and .m, respectively. These variables are not available starting in Wave 12. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwLUNGLMT, SwANGLMT, and Swarthlmt indicate whether a specified health condition limits the daily activity of the respondent's current wave's spouse, and is taken from RwLUNGLMT, RwANGLMT, and Rwarthlmt. In addition to the special missing codes employed by RwLUNGLMT, RwANGLMT, and Rwarthlmt, SwLUNGLMT, SwANGLMT, and Swarthlmt employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are asked whether lung disease limits their daily activity starting in Wave 1. Respondents have the option of responding that they have no job only in Wave 2, and these responses are assigned special missing code .j to RwLUNGLMT. In Wave 2, if respondents reported having lung disease in the first wave, then this question is not asked and RwLUNGLMT is assigned special missing .s.

Respondents are asked whether angina and arthritis limit their daily activities starting in Wave 3. Wave 3 HRS respondents are not asked about arthritis limiting their daily activity and so Rwarthlmt is assigned special missing .q in Wave 3.

Starting in Wave 6, if the respondent reported a heart problem in a previous wave and has been previously interviewed, then whether angina limits daily activity is not asked and RwANGLMT is assigned special missing .s.

Questions about whether lung disease, angina, and arthritis limit daily activities are no longer asked starting in Wave 12.

**HRS Variables Used:**

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RAND HRS:
R10ARTHRE      r10arthre:w10 r ever had arthritis
R10HEARTE      r10hearte:w10 r ever had heart problems
R10LUNGE       r10lunge:w10 r ever had lung disease
R11ARTHRE      r11arthre:w11 r ever had arthritis
R11HEARTE      r11hearte:w11 r ever had heart problems
R11LUNGE       r11lunge:w11 r ever had lung disease
R1LUNGE        r1lunge:w1 r ever had lung disease
R2LUNGE        r2lunge:w2 r ever had lung disease
R3ARTHRE       r3arthre:w3 r ever had arthritis
R3HEARTE       r3hearte:w3 r ever had heart problems
R3LUNGE        r3lunge:w3 r ever had lung disease
R4ARTHRE       r4arthre:w4 r ever had arthritis
R4HEARTE       r4hearte:w4 r ever had heart problems
R4LUNGE        r4lunge:w4 r ever had lung disease
R5ARTHRE       r5arthre:w5 r ever had arthritis
R5HEARTE       r5hearte:w5 r ever had heart problems
R5LUNGE        r5lunge:w5 r ever had lung disease
R6ARTHRE       r6arthre:w6 r ever had arthritis
R6HEARTE       r6hearte:w6 r ever had heart problems
R6LUNGE        r6lunge:w6 r ever had lung disease
R7ARTHRE       r7arthre:w7 r ever had arthritis
R7HEARTE       r7hearte:w7 r ever had heart problems
R7LUNGE        r7lunge:w7 r ever had lung disease
R8ARTHRE       r8arthre:w8 r ever had arthritis
R8HEARTE       r8hearte:w8 r ever had heart problems
R8LUNGE        r8lunge:w8 r ever had lung disease
R9ARTHRE       r9arthre:w9 r ever had arthritis
R9HEARTE       r9hearte:w9 r ever had heart problems
R9LUNGE        r9lunge:w9 r ever had lung disease

Wave 1:
V405           b15d:cond limit acti:imp

Wave 2 AHEAD:
B235           b6. lung disease: ever
B238           b6a. lung disease: limit activity

Wave 2 HRS:
W366           b14d.limit usual activit

Wave 3 AHEAD:
D826           b6f. lung limit activity
D829           b7a. heart medication
D830           b7b. heart seen dr
D842           b8k. heart recent angina limit
D871           b1le. arthritis limit activity
DN_INHH        dn_inhh: # r's responding in hhold

Wave 3 HRS:
E826           b6f. lung limit activity
E829           b7a. heart medication
E830           b7b. heart seen dr
E842           b7ka. heart recent angina limit
EN_INHH        hrs w3: # r's responding in hhold

Wave 4:
F1154          b6f. lung limit activity
F1168          b7i. angina
F1170          b7ka. heart recent angina limit
F1199          b1le. arthritis limit activity

Wave 5:
G1287          b6f. lung limit activity
G1301          b7i. angina
G1303          b7ka. heart recent angina limit
G1332          b1le.arthritis limit activity

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Wave 6:  
HC035 lung limit activity  
HC047 limit activities due to angina  
HC075 arthritis limit activity  
HZ076 r ever interviewed  
HZ105 prev wave r has heart problems

Wave 7:  
JC035 lung limit activity  
JC047 limit activities due to angina  
JC075 arthritis limit activity  
JZ076 r ever interviewed  
JZ105 prev wave r has heart problems

Wave 8:  
KC035 lung limit activity  
KC047 limit activities due to angina  
KC075 arthritis limit activity  
KZ076 r ever interviewed  
KZ105 prev wave r has heart problems

Wave 9:  
LC035 lung limit activity  
LC047 limit activities due to angina  
LC075 arthritis limit activity  
LZ076 r ever interviewed  
LZ105 prev wave r has heart problems

Wave 10:  
MC035 lung limit activity  
MC047 limit activities due to angina  
MC075 arthritis limit activity  
MZ076 r ever interviewed  
MZ105 prev wave r has heart problems

Wave 11:  
NC035 lung limit activity  
NC047 limit activities due to angina  
NC075 arthritis limit activity  
NZ076 r ever interviewed  
NZ105 prev wave r has heart problems

**Doctor Diagnosed Diseases: Whether Receives Treatment or Medication for Disease**

Wave	Variable	Label	Type
01	R1RXHIBP	r1rxhibp:w1 r takes meds for high blood pressure	Categ
02	R2RXHIBP	r2rxhibp:w2 r takes meds for high blood pressure	Categ
03	R3RXHIBP	r3rxhibp:w3 r takes meds for high blood pressure	Categ
04	R4RXHIBP	r4rxhibp:w4 r takes meds for high blood pressure	Categ
05	R5RXHIBP	r5rxhibp:w5 r takes meds for high blood pressure	Categ
06	R6RXHIBP	r6rxhibp:w6 r takes meds for high blood pressure	Categ
07	R7RXHIBP	r7rxhibp:w7 r takes meds for high blood pressure	Categ
08	R8RXHIBP	r8rxhibp:w8 r takes meds for high blood pressure	Categ
09	R9RXHIBP	r9rxhibp:w9 r takes meds for high blood pressure	Categ
10	R10RXHIBP	r10rxhibp:w10 r takes meds for high blood pressure	Categ
11	R11RXHIBP	r11rxhibp:w11 r takes meds for high blood pressure	Categ
12	R12RXHIBP	r12rxhibp:w12 r takes meds for high blood pressure	Categ
13	R13RXHIBP	r13rxhibp:w13 r takes meds for high blood pressure	Categ
14	R14RXHIBP	r14rxhibp:w14 r takes meds for high blood pressure	Categ
15	R15RXHIBP	r15rxhibp:w15 r takes meds for high blood pressure	Categ
01	S1RXHIBP	s1rxhibp:w1 s takes meds for high blood pressure	Categ
02	S2RXHIBP	s2rxhibp:w2 s takes meds for high blood pressure	Categ
03	S3RXHIBP	s3rxhibp:w3 s takes meds for high blood pressure	Categ
04	S4RXHIBP	s4rxhibp:w4 s takes meds for high blood pressure	Categ
05	S5RXHIBP	s5rxhibp:w5 s takes meds for high blood pressure	Categ
06	S6RXHIBP	s6rxhibp:w6 s takes meds for high blood pressure	Categ
07	S7RXHIBP	s7rxhibp:w7 s takes meds for high blood pressure	Categ
08	S8RXHIBP	s8rxhibp:w8 s takes meds for high blood pressure	Categ
09	S9RXHIBP	s9rxhibp:w9 s takes meds for high blood pressure	Categ
10	S10RXHIBP	s10rxhibp:w10 s takes meds for high blood pressure	Categ
11	S11RXHIBP	s11rxhibp:w11 s takes meds for high blood pressure	Categ
12	S12RXHIBP	s12rxhibp:w12 s takes meds for high blood pressure	Categ
13	S13RXHIBP	s13rxhibp:w13 s takes meds for high blood pressure	Categ
14	S14RXHIBP	s14rxhibp:w14 s takes meds for high blood pressure	Categ
15	S15RXHIBP	s15rxhibp:w15 s takes meds for high blood pressure	Categ
01	R1RXDIABO	r1rxdiabo:w1 r takes oral meds for diabetes	Categ
02	R2RXDIABO	r2rxdiabo:w2 r takes oral meds for diabetes	Categ
03	R3RXDIABO	r3rxdiabo:w3 r takes oral meds for diabetes	Categ
04	R4RXDIABO	r4rxdiabo:w4 r takes oral meds for diabetes	Categ
05	R5RXDIABO	r5rxdiabo:w5 r takes oral meds for diabetes	Categ
06	R6RXDIABO	r6rxdiabo:w6 r takes oral meds for diabetes	Categ
07	R7RXDIABO	r7rxdiabo:w7 r takes oral meds for diabetes	Categ
08	R8RXDIABO	r8rxdiabo:w8 r takes oral meds for diabetes	Categ
09	R9RXDIABO	r9rxdiabo:w9 r takes oral meds for diabetes	Categ
10	R10RXDIABO	r10rxdiabo:w10 r takes oral meds for diabetes	Categ
11	R11RXDIABO	r11rxdiabo:w11 r takes oral meds for diabetes	Categ
12	R12RXDIABO	r12rxdiabo:w12 r takes oral meds for diabetes	Categ
13	R13RXDIABO	r13rxdiabo:w13 r takes oral meds for diabetes	Categ
14	R14RXDIABO	r14rxdiabo:w14 r takes oral meds for diabetes	Categ
15	R15RXDIABO	r15rxdiabo:w15 r takes oral meds for diabetes	Categ
01	S1RXDIABO	s1rxdiabo:w1 s takes oral meds for diabetes	Categ
02	S2RXDIABO	s2rxdiabo:w2 s takes oral meds for diabetes	Categ
03	S3RXDIABO	s3rxdiabo:w3 s takes oral meds for diabetes	Categ
04	S4RXDIABO	s4rxdiabo:w4 s takes oral meds for diabetes	Categ
05	S5RXDIABO	s5rxdiabo:w5 s takes oral meds for diabetes	Categ
06	S6RXDIABO	s6rxdiabo:w6 s takes oral meds for diabetes	Categ
07	S7RXDIABO	s7rxdiabo:w7 s takes oral meds for diabetes	Categ
08	S8RXDIABO	s8rxdiabo:w8 s takes oral meds for diabetes	Categ
09	S9RXDIABO	s9rxdiabo:w9 s takes oral meds for diabetes	Categ

10	S10RXDIABO	s10rxdiabo:w10 s takes oral meds for diabetes	Categ
11	S11RXDIABO	s11rxdiabo:w11 s takes oral meds for diabetes	Categ
12	S12RXDIABO	s12rxdiabo:w12 s takes oral meds for diabetes	Categ
13	S13RXDIABO	s13rxdiabo:w13 s takes oral meds for diabetes	Categ
14	S14RXDIABO	s14rxdiabo:w14 s takes oral meds for diabetes	Categ
15	S15RXDIABO	s15rxdiabo:w15 s takes oral meds for diabetes	Categ
01	R1RXDIABI	r1rxdiabi:w1 r takes insulin for diabetes	Categ
02	R2RXDIABI	r2rxdiabi:w2 r takes insulin for diabetes	Categ
03	R3RXDIABI	r3rxdiabi:w3 r takes insulin for diabetes	Categ
04	R4RXDIABI	r4rxdiabi:w4 r takes insulin for diabetes	Categ
05	R5RXDIABI	r5rxdiabi:w5 r takes insulin for diabetes	Categ
06	R6RXDIABI	r6rxdiabi:w6 r takes insulin for diabetes	Categ
07	R7RXDIABI	r7rxdiabi:w7 r takes insulin for diabetes	Categ
08	R8RXDIABI	r8rxdiabi:w8 r takes insulin for diabetes	Categ
09	R9RXDIABI	r9rxdiabi:w9 r takes insulin for diabetes	Categ
10	R10RXDIABI	r10rxdiabi:w10 r takes insulin for diabetes	Categ
11	R11RXDIABI	r11rxdiabi:w11 r takes insulin for diabetes	Categ
12	R12RXDIABI	r12rxdiabi:w12 r takes insulin for diabetes	Categ
13	R13RXDIABI	r13rxdiabi:w13 r takes insulin for diabetes	Categ
14	R14RXDIABI	r14rxdiabi:w14 r takes insulin for diabetes	Categ
15	R15RXDIABI	r15rxdiabi:w15 r takes insulin for diabetes	Categ
01	S1RXDIABI	s1rxdiabi:w1 s takes insulin for diabetes	Categ
02	S2RXDIABI	s2rxdiabi:w2 s takes insulin for diabetes	Categ
03	S3RXDIABI	s3rxdiabi:w3 s takes insulin for diabetes	Categ
04	S4RXDIABI	s4rxdiabi:w4 s takes insulin for diabetes	Categ
05	S5RXDIABI	s5rxdiabi:w5 s takes insulin for diabetes	Categ
06	S6RXDIABI	s6rxdiabi:w6 s takes insulin for diabetes	Categ
07	S7RXDIABI	s7rxdiabi:w7 s takes insulin for diabetes	Categ
08	S8RXDIABI	s8rxdiabi:w8 s takes insulin for diabetes	Categ
09	S9RXDIABI	s9rxdiabi:w9 s takes insulin for diabetes	Categ
10	S10RXDIABI	s10rxdiabi:w10 s takes insulin for diabetes	Categ
11	S11RXDIABI	s11rxdiabi:w11 s takes insulin for diabetes	Categ
12	S12RXDIABI	s12rxdiabi:w12 s takes insulin for diabetes	Categ
13	S13RXDIABI	s13rxdiabi:w13 s takes insulin for diabetes	Categ
14	S14RXDIABI	s14rxdiabi:w14 s takes insulin for diabetes	Categ
15	S15RXDIABI	s15rxdiabi:w15 s takes insulin for diabetes	Categ
01	R1RXDIAB	r1rxdiab:w1 r takes meds for diabetes	Categ
02	R2RXDIAB	r2rxdiab:w2 r takes meds for diabetes	Categ
03	R3RXDIAB	r3rxdiab:w3 r takes meds for diabetes	Categ
04	R4RXDIAB	r4rxdiab:w4 r takes meds for diabetes	Categ
05	R5RXDIAB	r5rxdiab:w5 r takes meds for diabetes	Categ
06	R6RXDIAB	r6rxdiab:w6 r takes meds for diabetes	Categ
07	R7RXDIAB	r7rxdiab:w7 r takes meds for diabetes	Categ
08	R8RXDIAB	r8rxdiab:w8 r takes meds for diabetes	Categ
09	R9RXDIAB	r9rxdiab:w9 r takes meds for diabetes	Categ
10	R10RXDIAB	r10rxdiab:w10 r takes meds for diabetes	Categ
11	R11RXDIAB	r11rxdiab:w11 r takes meds for diabetes	Categ
12	R12RXDIAB	r12rxdiab:w12 r takes meds for diabetes	Categ
13	R13RXDIAB	r13rxdiab:w13 r takes meds for diabetes	Categ
14	R14RXDIAB	r14rxdiab:w14 r takes meds for diabetes	Categ
15	R15RXDIAB	r15rxdiab:w15 r takes meds for diabetes	Categ
01	S1RXDIAB	s1rxdiab:w1 s takes meds for diabetes	Categ
02	S2RXDIAB	s2rxdiab:w2 s takes meds for diabetes	Categ
03	S3RXDIAB	s3rxdiab:w3 s takes meds for diabetes	Categ
04	S4RXDIAB	s4rxdiab:w4 s takes meds for diabetes	Categ
05	S5RXDIAB	s5rxdiab:w5 s takes meds for diabetes	Categ
06	S6RXDIAB	s6rxdiab:w6 s takes meds for diabetes	Categ
07	S7RXDIAB	s7rxdiab:w7 s takes meds for diabetes	Categ
08	S8RXDIAB	s8rxdiab:w8 s takes meds for diabetes	Categ

09	S9RXDIAB	s9rxdiab:w9 s takes meds for diabetes	Categ
10	S10RXDIAB	s10rxdiab:w10 s takes meds for diabetes	Categ
11	S11RXDIAB	s11rxdiab:w11 s takes meds for diabetes	Categ
12	S12RXDIAB	s12rxdiab:w12 s takes meds for diabetes	Categ
13	S13RXDIAB	s13rxdiab:w13 s takes meds for diabetes	Categ
14	S14RXDIAB	s14rxdiab:w14 s takes meds for diabetes	Categ
15	S15RXDIAB	s15rxdiab:w15 s takes meds for diabetes	Categ
01	R1RXSTROK	r1rxstrok:w1 r takes meds for stroke	Categ
02	R2RXSTROK	r2rxstrok:w2 r takes meds for stroke	Categ
03	R3RXSTROK	r3rxstrok:w3 r takes meds for stroke	Categ
04	R4RXSTROK	r4rxstrok:w4 r takes meds for stroke	Categ
05	R5RXSTROK	r5rxstrok:w5 r takes meds for stroke	Categ
06	R6RXSTROK	r6rxstrok:w6 r takes meds for stroke	Categ
07	R7RXSTROK	r7rxstrok:w7 r takes meds for stroke	Categ
08	R8RXSTROK	r8rxstrok:w8 r takes meds for stroke	Categ
09	R9RXSTROK	r9rxstrok:w9 r takes meds for stroke	Categ
10	R10RXSTROK	r10rxstrok:w10 r takes meds for stroke	Categ
11	R11RXSTROK	r11rxstrok:w11 r takes meds for stroke	Categ
12	R12RXSTROK	r12rxstrok:w12 r takes meds for stroke	Categ
13	R13RXSTROK	r13rxstrok:w13 r takes meds for stroke	Categ
14	R14RXSTROK	r14rxstrok:w14 r takes meds for stroke	Categ
15	R15RXSTROK	r15rxstrok:w15 r takes meds for stroke	Categ
01	S1RXSTROK	s1rxstrok:w1 s takes meds for stroke	Categ
02	S2RXSTROK	s2rxstrok:w2 s takes meds for stroke	Categ
03	S3RXSTROK	s3rxstrok:w3 s takes meds for stroke	Categ
04	S4RXSTROK	s4rxstrok:w4 s takes meds for stroke	Categ
05	S5RXSTROK	s5rxstrok:w5 s takes meds for stroke	Categ
06	S6RXSTROK	s6rxstrok:w6 s takes meds for stroke	Categ
07	S7RXSTROK	s7rxstrok:w7 s takes meds for stroke	Categ
08	S8RXSTROK	s8rxstrok:w8 s takes meds for stroke	Categ
09	S9RXSTROK	s9rxstrok:w9 s takes meds for stroke	Categ
10	S10RXSTROK	s10rxstrok:w10 s takes meds for stroke	Categ
11	S11RXSTROK	s11rxstrok:w11 s takes meds for stroke	Categ
12	S12RXSTROK	s12rxstrok:w12 s takes meds for stroke	Categ
13	S13RXSTROK	s13rxstrok:w13 s takes meds for stroke	Categ
14	S14RXSTROK	s14rxstrok:w14 s takes meds for stroke	Categ
15	S15RXSTROK	s15rxstrok:w15 s takes meds for stroke	Categ
01	R1RXANGINA	r1rxangina:w1 r takes meds for angina	Categ
02	R2RXANGINA	r2rxangina:w2 r takes meds for angina	Categ
03	R3RXANGINA	r3rxangina:w3 r takes meds for angina	Categ
04	R4RXANGINA	r4rxangina:w4 r takes meds for angina	Categ
05	R5RXANGINA	r5rxangina:w5 r takes meds for angina	Categ
06	R6RXANGINA	r6rxangina:w6 r takes meds for angina	Categ
07	R7RXANGINA	r7rxangina:w7 r takes meds for angina	Categ
08	R8RXANGINA	r8rxangina:w8 r takes meds for angina	Categ
09	R9RXANGINA	r9rxangina:w9 r takes meds for angina	Categ
10	R10RXANGINA	r10rxangina:w10 r takes meds for angina	Categ
11	R11RXANGINA	r11rxangina:w11 r takes meds for angina	Categ
12	R12RXANGINA	r12rxangina:w12 r takes meds for angina	Categ
13	R13RXANGINA	r13rxangina:w13 r takes meds for angina	Categ
14	R14RXANGINA	r14rxangina:w14 r takes meds for angina	Categ
15	R15RXANGINA	r15rxangina:w15 r takes meds for angina	Categ
01	S1RXANGINA	s1rxangina:w1 s takes meds for angina	Categ
02	S2RXANGINA	s2rxangina:w2 s takes meds for angina	Categ
03	S3RXANGINA	s3rxangina:w3 s takes meds for angina	Categ
04	S4RXANGINA	s4rxangina:w4 s takes meds for angina	Categ
05	S5RXANGINA	s5rxangina:w5 s takes meds for angina	Categ
06	S6RXANGINA	s6rxangina:w6 s takes meds for angina	Categ
07	S7RXANGINA	s7rxangina:w7 s takes meds for angina	Categ

08	S8RXANGINA	s8rxangina:w8 s takes meds for angina	Categ
09	S9RXANGINA	s9rxangina:w9 s takes meds for angina	Categ
10	S10RXANGINA	s10rxangina:w10 s takes meds for angina	Categ
11	S11RXANGINA	s11rxangina:w11 s takes meds for angina	Categ
12	S12RXANGINA	s12rxangina:w12 s takes meds for angina	Categ
13	S13RXANGINA	s13rxangina:w13 s takes meds for angina	Categ
14	S14RXANGINA	s14rxangina:w14 s takes meds for angina	Categ
15	S15RXANGINA	s15rxangina:w15 s takes meds for angina	Categ
01	R1RXCHF	r1rxchf:w1 r takes meds for congestive heart failure	Categ
02	R2RXCHF	r2rxchf:w2 r takes meds for congestive heart failure	Categ
03	R3RXCHF	r3rxchf:w3 r takes meds for congestive heart failure	Categ
04	R4RXCHF	r4rxchf:w4 r takes meds for congestive heart failure	Categ
05	R5RXCHF	r5rxchf:w5 r takes meds for congestive heart failure	Categ
06	R6RXCHF	r6rxchf:w6 r takes meds for congestive heart failure	Categ
07	R7RXCHF	r7rxchf:w7 r takes meds for congestive heart failure	Categ
08	R8RXCHF	r8rxchf:w8 r takes meds for congestive heart failure	Categ
09	R9RXCHF	r9rxchf:w9 r takes meds for congestive heart failure	Categ
10	R10RXCHF	r10rxchf:w10 r takes meds for congestive heart failure	Categ
11	R11RXCHF	r11rxchf:w11 r takes meds for congestive heart failure	Categ
12	R12RXCHF	r12rxchf:w12 r takes meds for congestive heart failure	Categ
13	R13RXCHF	r13rxchf:w13 r takes meds for congestive heart failure	Categ
14	R14RXCHF	r14rxchf:w14 r takes meds for congestive heart failure	Categ
15	R15RXCHF	r15rxchf:w15 r takes meds for congestive heart failure	Categ
01	S1RXCHF	s1rxchf:w1 s takes meds for congestive heart failure	Categ
02	S2RXCHF	s2rxchf:w2 s takes meds for congestive heart failure	Categ
03	S3RXCHF	s3rxchf:w3 s takes meds for congestive heart failure	Categ
04	S4RXCHF	s4rxchf:w4 s takes meds for congestive heart failure	Categ
05	S5RXCHF	s5rxchf:w5 s takes meds for congestive heart failure	Categ
06	S6RXCHF	s6rxchf:w6 s takes meds for congestive heart failure	Categ
07	S7RXCHF	s7rxchf:w7 s takes meds for congestive heart failure	Categ
08	S8RXCHF	s8rxchf:w8 s takes meds for congestive heart failure	Categ
09	S9RXCHF	s9rxchf:w9 s takes meds for congestive heart failure	Categ
10	S10RXCHF	s10rxchf:w10 s takes meds for congestive heart failure	Categ
11	S11RXCHF	s11rxchf:w11 s takes meds for congestive heart failure	Categ
12	S12RXCHF	s12rxchf:w12 s takes meds for congestive heart failure	Categ
13	S13RXCHF	s13rxchf:w13 s takes meds for congestive heart failure	Categ
14	S14RXCHF	s14rxchf:w14 s takes meds for congestive heart failure	Categ
15	S15RXCHF	s15rxchf:w15 s takes meds for congestive heart failure	Categ
01	R1RXARTHR	r1rxarthr:w1 r takes meds for arthritis	Categ
02	R2RXARTHR	r2rxarthr:w2 r takes meds for arthritis	Categ
03	R3RXARTHR	r3rxarthr:w3 r takes meds for arthritis	Categ
04	R4RXARTHR	r4rxarthr:w4 r takes meds for arthritis	Categ
05	R5RXARTHR	r5rxarthr:w5 r takes meds for arthritis	Categ
06	R6RXARTHR	r6rxarthr:w6 r takes meds for arthritis	Categ
07	R7RXARTHR	r7rxarthr:w7 r takes meds for arthritis	Categ
08	R8RXARTHR	r8rxarthr:w8 r takes meds for arthritis	Categ
09	R9RXARTHR	r9rxarthr:w9 r takes meds for arthritis	Categ
10	R10RXARTHR	r10rxarthr:w10 r takes meds for arthritis	Categ
11	R11RXARTHR	r11rxarthr:w11 r takes meds for arthritis	Categ
01	S1RXARTHR	s1rxarthr:w1 s takes meds for arthritis	Categ
02	S2RXARTHR	s2rxarthr:w2 s takes meds for arthritis	Categ
03	S3RXARTHR	s3rxarthr:w3 s takes meds for arthritis	Categ
04	S4RXARTHR	s4rxarthr:w4 s takes meds for arthritis	Categ
05	S5RXARTHR	s5rxarthr:w5 s takes meds for arthritis	Categ
06	S6RXARTHR	s6rxarthr:w6 s takes meds for arthritis	Categ
07	S7RXARTHR	s7rxarthr:w7 s takes meds for arthritis	Categ
08	S8RXARTHR	s8rxarthr:w8 s takes meds for arthritis	Categ
09	S9RXARTHR	s9rxarthr:w9 s takes meds for arthritis	Categ
10	S10RXARTHR	s10rxarthr:w10 s takes meds for arthritis	Categ



11	S11RXARTHR	s11rxarthr:w11 s takes meds for arthritis	Categ
01	R1RXLUNG	r1rxlung:w1 r takes meds for lung condition	Categ
02	R2RXLUNG	r2rxlung:w2 r takes meds for lung condition	Categ
03	R3RXLUNG	r3rxlung:w3 r takes meds for lung condition	Categ
04	R4RXLUNG	r4rxlung:w4 r takes meds for lung condition	Categ
05	R5RXLUNG	r5rxlung:w5 r takes meds for lung condition	Categ
06	R6RXLUNG	r6rxlung:w6 r takes meds for lung condition	Categ
07	R7RXLUNG	r7rxlung:w7 r takes meds for lung condition	Categ
08	R8RXLUNG	r8rxlung:w8 r takes meds for lung condition	Categ
09	R9RXLUNG	r9rxlung:w9 r takes meds for lung condition	Categ
10	R10RXLUNG	r10rxlung:w10 r takes meds for lung condition	Categ
11	R11RXLUNG	r11rxlung:w11 r takes meds for lung condition	Categ
12	R12RXLUNG	r12rxlung:w12 r takes meds for lung condition	Categ
13	R13RXLUNG	r13rxlung:w13 r takes meds for lung condition	Categ
14	R14RXLUNG	r14rxlung:w14 r takes meds for lung condition	Categ
15	R15RXLUNG	r15rxlung:w15 r takes meds for lung condition	Categ
01	S1RXLUNG	s1rxlung:w1 s takes meds for lung condition	Categ
02	S2RXLUNG	s2rxlung:w2 s takes meds for lung condition	Categ
03	S3RXLUNG	s3rxlung:w3 s takes meds for lung condition	Categ
04	S4RXLUNG	s4rxlung:w4 s takes meds for lung condition	Categ
05	S5RXLUNG	s5rxlung:w5 s takes meds for lung condition	Categ
06	S6RXLUNG	s6rxlung:w6 s takes meds for lung condition	Categ
07	S7RXLUNG	s7rxlung:w7 s takes meds for lung condition	Categ
08	S8RXLUNG	s8rxlung:w8 s takes meds for lung condition	Categ
09	S9RXLUNG	s9rxlung:w9 s takes meds for lung condition	Categ
10	S10RXLUNG	s10rxlung:w10 s takes meds for lung condition	Categ
11	S11RXLUNG	s11rxlung:w11 s takes meds for lung condition	Categ
12	S12RXLUNG	s12rxlung:w12 s takes meds for lung condition	Categ
13	S13RXLUNG	s13rxlung:w13 s takes meds for lung condition	Categ
14	S14RXLUNG	s14rxlung:w14 s takes meds for lung condition	Categ
15	S15RXLUNG	s15rxlung:w15 s takes meds for lung condition	Categ
01	R1RXPSYCH	r1rxpsych:w1 r takes meds for psych condition	Categ
02	R2RXPSYCH	r2rxpsych:w2 r takes meds for psych condition	Categ
03	R3RXPSYCH	r3rxpsych:w3 r takes meds for psych condition	Categ
04	R4RXPSYCH	r4rxpsych:w4 r takes meds for psych condition	Categ
05	R5RXPSYCH	r5rxpsych:w5 r takes meds for psych condition	Categ
06	R6RXPSYCH	r6rxpsych:w6 r takes meds for psych condition	Categ
07	R7RXPSYCH	r7rxpsych:w7 r takes meds for psych condition	Categ
08	R8RXPSYCH	r8rxpsych:w8 r takes meds for psych condition	Categ
09	R9RXPSYCH	r9rxpsych:w9 r takes meds for psych condition	Categ
10	R10RXPSYCH	r10rxpsych:w10 r takes meds for psych condition	Categ
11	R11RXPSYCH	r11rxpsych:w11 r takes meds for psych condition	Categ
01	S1RXPSYCH	s1rxpsych:w1 s takes meds for psych condition	Categ
02	S2RXPSYCH	s2rxpsych:w2 s takes meds for psych condition	Categ
03	S3RXPSYCH	s3rxpsych:w3 s takes meds for psych condition	Categ
04	S4RXPSYCH	s4rxpsych:w4 s takes meds for psych condition	Categ
05	S5RXPSYCH	s5rxpsych:w5 s takes meds for psych condition	Categ
06	S6RXPSYCH	s6rxpsych:w6 s takes meds for psych condition	Categ
07	S7RXPSYCH	s7rxpsych:w7 s takes meds for psych condition	Categ
08	S8RXPSYCH	s8rxpsych:w8 s takes meds for psych condition	Categ
09	S9RXPSYCH	s9rxpsych:w9 s takes meds for psych condition	Categ
10	S10RXPSYCH	s10rxpsych:w10 s takes meds for psych condition	Categ
11	S11RXPSYCH	s11rxpsych:w11 s takes meds for psych condition	Categ
01	R1TRPSYCH	r1trpsych:w1 r receives psychological treatment	Categ
02	R2TRPSYCH	r2trpsych:w2 r receives psychological treatment	Categ
03	R3TRPSYCH	r3trpsych:w3 r receives psychological treatment	Categ
04	R4TRPSYCH	r4trpsych:w4 r receives psychological treatment	Categ
05	R5TRPSYCH	r5trpsych:w5 r receives psychological treatment	Categ

06	R6TRPSYCH	r6trpsych:w6	r	receives psychological treatment	Categ
07	R7TRPSYCH	r7trpsych:w7	r	receives psychological treatment	Categ
08	R8TRPSYCH	r8trpsych:w8	r	receives psychological treatment	Categ
09	R9TRPSYCH	r9trpsych:w9	r	receives psychological treatment	Categ
10	R10TRPSYCH	r10trpsych:w10	r	receives psychological treatment	Categ
11	R11TRPSYCH	r11trpsych:w11	r	receives psychological treatment	Categ
12	R12TRPSYCH	r12trpsych:w12	r	receives psychological treatment	Categ
13	R13TRPSYCH	r13trpsych:w13	r	receives psychological treatment	Categ
14	R14TRPSYCH	r14trpsych:w14	r	receives psychological treatment	Categ
15	R15TRPSYCH	r15trpsych:w15	r	receives psychological treatment	Categ
01	S1TRPSYCH	s1trpsych:w1	s	receives psychological treatment	Categ
02	S2TRPSYCH	s2trpsych:w2	s	receives psychological treatment	Categ
03	S3TRPSYCH	s3trpsych:w3	s	receives psychological treatment	Categ
04	S4TRPSYCH	s4trpsych:w4	s	receives psychological treatment	Categ
05	S5TRPSYCH	s5trpsych:w5	s	receives psychological treatment	Categ
06	S6TRPSYCH	s6trpsych:w6	s	receives psychological treatment	Categ
07	S7TRPSYCH	s7trpsych:w7	s	receives psychological treatment	Categ
08	S8TRPSYCH	s8trpsych:w8	s	receives psychological treatment	Categ
09	S9TRPSYCH	s9trpsych:w9	s	receives psychological treatment	Categ
10	S10TRPSYCH	s10trpsych:w10	s	receives psychological treatment	Categ
11	S11TRPSYCH	s11trpsych:w11	s	receives psychological treatment	Categ
12	S12TRPSYCH	s12trpsych:w12	s	receives psychological treatment	Categ
13	S13TRPSYCH	s13trpsych:w13	s	receives psychological treatment	Categ
14	S14TRPSYCH	s14trpsych:w14	s	receives psychological treatment	Categ
15	S15TRPSYCH	s15trpsych:w15	s	receives psychological treatment	Categ
01	R1CNCRCHEM	r1cncrchem:w1	r	chemotherapy cancer treatment	Categ
02	R2CNCRCHEM	r2cncrchem:w2	r	chemotherapy cancer treatment	Categ
03	R3CNCRCHEM	r3cncrchem:w3	r	chemotherapy cancer treatment	Categ
04	R4CNCRCHEM	r4cncrchem:w4	r	chemotherapy cancer treatment	Categ
05	R5CNCRCHEM	r5cncrchem:w5	r	chemotherapy cancer treatment	Categ
06	R6CNCRCHEM	r6cncrchem:w6	r	chemotherapy cancer treatment	Categ
07	R7CNCRCHEM	r7cncrchem:w7	r	chemotherapy cancer treatment	Categ
08	R8CNCRCHEM	r8cncrchem:w8	r	chemotherapy cancer treatment	Categ
09	R9CNCRCHEM	r9cncrchem:w9	r	chemotherapy cancer treatment	Categ
10	R10CNCRCHEM	r10cncrchem:w10	r	chemotherapy cancer treatment	Categ
11	R11CNCRCHEM	r11cncrchem:w11	r	chemotherapy cancer treatment	Categ
12	R12CNCRCHEM	r12cncrchem:w12	r	chemotherapy cancer treatment	Categ
13	R13CNCRCHEM	r13cncrchem:w13	r	chemotherapy cancer treatment	Categ
14	R14CNCRCHEM	r14cncrchem:w14	r	chemotherapy cancer treatment	Categ
15	R15CNCRCHEM	r15cncrchem:w15	r	chemotherapy cancer treatment	Categ
01	S1CNCRCHEM	s1cncrchem:w1	s	chemotherapy cancer treatment	Categ
02	S2CNCRCHEM	s2cncrchem:w2	s	chemotherapy cancer treatment	Categ
03	S3CNCRCHEM	s3cncrchem:w3	s	chemotherapy cancer treatment	Categ
04	S4CNCRCHEM	s4cncrchem:w4	s	chemotherapy cancer treatment	Categ
05	S5CNCRCHEM	s5cncrchem:w5	s	chemotherapy cancer treatment	Categ
06	S6CNCRCHEM	s6cncrchem:w6	s	chemotherapy cancer treatment	Categ
07	S7CNCRCHEM	s7cncrchem:w7	s	chemotherapy cancer treatment	Categ
08	S8CNCRCHEM	s8cncrchem:w8	s	chemotherapy cancer treatment	Categ
09	S9CNCRCHEM	s9cncrchem:w9	s	chemotherapy cancer treatment	Categ
10	S10CNCRCHEM	s10cncrchem:w10	s	chemotherapy cancer treatment	Categ
11	S11CNCRCHEM	s11cncrchem:w11	s	chemotherapy cancer treatment	Categ
12	S12CNCRCHEM	s12cncrchem:w12	s	chemotherapy cancer treatment	Categ
13	S13CNCRCHEM	s13cncrchem:w13	s	chemotherapy cancer treatment	Categ
14	S14CNCRCHEM	s14cncrchem:w14	s	chemotherapy cancer treatment	Categ
15	S15CNCRCHEM	s15cncrchem:w15	s	chemotherapy cancer treatment	Categ
01	R1CNCRSURG	r1cncrsurg:w1	r	surgery cancer treatment	Categ
02	R2CNCRSURG	r2cncrsurg:w2	r	surgery cancer treatment	Categ
03	R3CNCRSURG	r3cncrsurg:w3	r	surgery cancer treatment	Categ
04	R4CNCRSURG	r4cncrsurg:w4	r	surgery cancer treatment	Categ

05	R5CNCRSURG	r5cncrsurg:w5	r surgery cancer treatment	Categ
06	R6CNCRSURG	r6cncrsurg:w6	r surgery cancer treatment	Categ
07	R7CNCRSURG	r7cncrsurg:w7	r surgery cancer treatment	Categ
08	R8CNCRSURG	r8cncrsurg:w8	r surgery cancer treatment	Categ
09	R9CNCRSURG	r9cncrsurg:w9	r surgery cancer treatment	Categ
10	R10CNCRSURG	r10cncrsurg:w10	r surgery cancer treatment	Categ
11	R11CNCRSURG	r11cncrsurg:w11	r surgery cancer treatment	Categ
12	R12CNCRSURG	r12cncrsurg:w12	r surgery cancer treatment	Categ
13	R13CNCRSURG	r13cncrsurg:w13	r surgery cancer treatment	Categ
14	R14CNCRSURG	r14cncrsurg:w14	r surgery cancer treatment	Categ
15	R15CNCRSURG	r15cncrsurg:w15	r surgery cancer treatment	Categ

01	S1CNCRSURG	s1cncrsurg:w1	s surgery cancer treatment	Categ
02	S2CNCRSURG	s2cncrsurg:w2	s surgery cancer treatment	Categ
03	S3CNCRSURG	s3cncrsurg:w3	s surgery cancer treatment	Categ
04	S4CNCRSURG	s4cncrsurg:w4	s surgery cancer treatment	Categ
05	S5CNCRSURG	s5cncrsurg:w5	s surgery cancer treatment	Categ
06	S6CNCRSURG	s6cncrsurg:w6	s surgery cancer treatment	Categ
07	S7CNCRSURG	s7cncrsurg:w7	s surgery cancer treatment	Categ
08	S8CNCRSURG	s8cncrsurg:w8	s surgery cancer treatment	Categ
09	S9CNCRSURG	s9cncrsurg:w9	s surgery cancer treatment	Categ
10	S10CNCRSURG	s10cncrsurg:w10	s surgery cancer treatment	Categ
11	S11CNCRSURG	s11cncrsurg:w11	s surgery cancer treatment	Categ
12	S12CNCRSURG	s12cncrsurg:w12	s surgery cancer treatment	Categ
13	S13CNCRSURG	s13cncrsurg:w13	s surgery cancer treatment	Categ
14	S14CNCRSURG	s14cncrsurg:w14	s surgery cancer treatment	Categ
15	S15CNCRSURG	s15cncrsurg:w15	s surgery cancer treatment	Categ

01	R1CNCRRADN	r1cncrradn:w1	r radiation cancer treatment	Categ
02	R2CNCRRADN	r2cncrradn:w2	r radiation cancer treatment	Categ
03	R3CNCRRADN	r3cncrradn:w3	r radiation cancer treatment	Categ
04	R4CNCRRADN	r4cncrradn:w4	r radiation cancer treatment	Categ
05	R5CNCRRADN	r5cncrradn:w5	r radiation cancer treatment	Categ
06	R6CNCRRADN	r6cncrradn:w6	r radiation cancer treatment	Categ
07	R7CNCRRADN	r7cncrradn:w7	r radiation cancer treatment	Categ
08	R8CNCRRADN	r8cncrradn:w8	r radiation cancer treatment	Categ
09	R9CNCRRADN	r9cncrradn:w9	r radiation cancer treatment	Categ
10	R10CNCRRADN	r10cncrradn:w10	r radiation cancer treatment	Categ
11	R11CNCRRADN	r11cncrradn:w11	r radiation cancer treatment	Categ
12	R12CNCRRADN	r12cncrradn:w12	r radiation cancer treatment	Categ
13	R13CNCRRADN	r13cncrradn:w13	r radiation cancer treatment	Categ
14	R14CNCRRADN	r14cncrradn:w14	r radiation cancer treatment	Categ
15	R15CNCRRADN	r15cncrradn:w15	r radiation cancer treatment	Categ

01	S1CNCRRADN	s1cncrradn:w1	s radiation cancer treatment	Categ
02	S2CNCRRADN	s2cncrradn:w2	s radiation cancer treatment	Categ
03	S3CNCRRADN	s3cncrradn:w3	s radiation cancer treatment	Categ
04	S4CNCRRADN	s4cncrradn:w4	s radiation cancer treatment	Categ
05	S5CNCRRADN	s5cncrradn:w5	s radiation cancer treatment	Categ
06	S6CNCRRADN	s6cncrradn:w6	s radiation cancer treatment	Categ
07	S7CNCRRADN	s7cncrradn:w7	s radiation cancer treatment	Categ
08	S8CNCRRADN	s8cncrradn:w8	s radiation cancer treatment	Categ
09	S9CNCRRADN	s9cncrradn:w9	s radiation cancer treatment	Categ
10	S10CNCRRADN	s10cncrradn:w10	s radiation cancer treatment	Categ
11	S11CNCRRADN	s11cncrradn:w11	s radiation cancer treatment	Categ
12	S12CNCRRADN	s12cncrradn:w12	s radiation cancer treatment	Categ
13	S13CNCRRADN	s13cncrradn:w13	s radiation cancer treatment	Categ
14	S14CNCRRADN	s14cncrradn:w14	s radiation cancer treatment	Categ
15	S15CNCRRADN	s15cncrradn:w15	s radiation cancer treatment	Categ

01	R1CNCROTHR	r1cncrothr:w1	r other cancer treatment	Categ
02	R2CNCROTHR	r2cncrothr:w2	r other cancer treatment	Categ
03	R3CNCROTHR	r3cncrothr:w3	r other cancer treatment	Categ

04	R4CNCROTHR	r4cncrothr:w4	r other cancer treatment	Categ
05	R5CNCROTHR	r5cncrothr:w5	r other cancer treatment	Categ
06	R6CNCROTHR	r6cncrothr:w6	r other cancer treatment	Categ
07	R7CNCROTHR	r7cncrothr:w7	r other cancer treatment	Categ
08	R8CNCROTHR	r8cncrothr:w8	r other cancer treatment	Categ
09	R9CNCROTHR	r9cncrothr:w9	r other cancer treatment	Categ
10	R10CNCROTHR	r10cncrothr:w10	r other cancer treatment	Categ
11	R11CNCROTHR	r11cncrothr:w11	r other cancer treatment	Categ
12	R12CNCROTHR	r12cncrothr:w12	r other cancer treatment	Categ
13	R13CNCROTHR	r13cncrothr:w13	r other cancer treatment	Categ
14	R14CNCROTHR	r14cncrothr:w14	r other cancer treatment	Categ
15	R15CNCROTHR	r15cncrothr:w15	r other cancer treatment	Categ
01	S1CNCROTHR	s1cncrothr:w1	s other cancer treatment	Categ
02	S2CNCROTHR	s2cncrothr:w2	s other cancer treatment	Categ
03	S3CNCROTHR	s3cncrothr:w3	s other cancer treatment	Categ
04	S4CNCROTHR	s4cncrothr:w4	s other cancer treatment	Categ
05	S5CNCROTHR	s5cncrothr:w5	s other cancer treatment	Categ
06	S6CNCROTHR	s6cncrothr:w6	s other cancer treatment	Categ
07	S7CNCROTHR	s7cncrothr:w7	s other cancer treatment	Categ
08	S8CNCROTHR	s8cncrothr:w8	s other cancer treatment	Categ
09	S9CNCROTHR	s9cncrothr:w9	s other cancer treatment	Categ
10	S10CNCROTHR	s10cncrothr:w10	s other cancer treatment	Categ
11	S11CNCROTHR	s11cncrothr:w11	s other cancer treatment	Categ
12	S12CNCROTHR	s12cncrothr:w12	s other cancer treatment	Categ
13	S13CNCROTHR	s13cncrothr:w13	s other cancer treatment	Categ
14	S14CNCROTHR	s14cncrothr:w14	s other cancer treatment	Categ
15	S15CNCROTHR	s15cncrothr:w15	s other cancer treatment	Categ
03	R3CNCRMEDS	r3cncrmeds:w3	r medication cancer treatment	Categ
04	R4CNCRMEDS	r4cncrmeds:w4	r medication cancer treatment	Categ
05	R5CNCRMEDS	r5cncrmeds:w5	r medication cancer treatment	Categ
06	R6CNCRMEDS	r6cncrmeds:w6	r medication cancer treatment	Categ
07	R7CNCRMEDS	r7cncrmeds:w7	r medication cancer treatment	Categ
08	R8CNCRMEDS	r8cncrmeds:w8	r medication cancer treatment	Categ
09	R9CNCRMEDS	r9cncrmeds:w9	r medication cancer treatment	Categ
10	R10CNCRMEDS	r10cncrmeds:w10	r medication cancer treatment	Categ
11	R11CNCRMEDS	r11cncrmeds:w11	r medication cancer treatment	Categ
12	R12CNCRMEDS	r12cncrmeds:w12	r medication cancer treatment	Categ
13	R13CNCRMEDS	r13cncrmeds:w13	r medication cancer treatment	Categ
14	R14CNCRMEDS	r14cncrmeds:w14	r medication cancer treatment	Categ
15	R15CNCRMEDS	r15cncrmeds:w15	r medication cancer treatment	Categ
03	S3CNCRMEDS	s3cncrmeds:w3	s medication cancer treatment	Categ
04	S4CNCRMEDS	s4cncrmeds:w4	s medication cancer treatment	Categ
05	S5CNCRMEDS	s5cncrmeds:w5	s medication cancer treatment	Categ
06	S6CNCRMEDS	s6cncrmeds:w6	s medication cancer treatment	Categ
07	S7CNCRMEDS	s7cncrmeds:w7	s medication cancer treatment	Categ
08	S8CNCRMEDS	s8cncrmeds:w8	s medication cancer treatment	Categ
09	S9CNCRMEDS	s9cncrmeds:w9	s medication cancer treatment	Categ
10	S10CNCRMEDS	s10cncrmeds:w10	s medication cancer treatment	Categ
11	S11CNCRMEDS	s11cncrmeds:w11	s medication cancer treatment	Categ
12	S12CNCRMEDS	s12cncrmeds:w12	s medication cancer treatment	Categ
13	S13CNCRMEDS	s13cncrmeds:w13	s medication cancer treatment	Categ
14	S14CNCRMEDS	s14cncrmeds:w14	s medication cancer treatment	Categ
15	S15CNCRMEDS	s15cncrmeds:w15	s medication cancer treatment	Categ
03	R3RXHRTAT	r3rxhrtat:w3	r takes meds for heart attack	Categ
04	R4RXHRTAT	r4rxhrtat:w4	r takes meds for heart attack	Categ
05	R5RXHRTAT	r5rxhrtat:w5	r takes meds for heart attack	Categ
06	R6RXHRTAT	r6rxhrtat:w6	r takes meds for heart attack	Categ
07	R7RXHRTAT	r7rxhrtat:w7	r takes meds for heart attack	Categ
08	R8RXHRTAT	r8rxhrtat:w8	r takes meds for heart attack	Categ

09	R9RXHRTAT	r9rxhrtat:w9 r	takes meds for heart attack	Categ
10	R10RXHRTAT	r10rxhrtat:w10 r	takes meds for heart attack	Categ
11	R11RXHRTAT	r11rxhrtat:w11 r	takes meds for heart attack	Categ
12	R12RXHRTAT	r12rxhrtat:w12 r	takes meds for heart attack	Categ
13	R13RXHRTAT	r13rxhrtat:w13 r	takes meds for heart attack	Categ
14	R14RXHRTAT	r14rxhrtat:w14 r	takes meds for heart attack	Categ
15	R15RXHRTAT	r15rxhrtat:w15 r	takes meds for heart attack	Categ
03	S3RXHRTAT	r3rxhrtat:w3 s	takes meds for heart attack	Categ
04	S4RXHRTAT	r4rxhrtat:w4 s	takes meds for heart attack	Categ
05	S5RXHRTAT	r5rxhrtat:w5 s	takes meds for heart attack	Categ
06	S6RXHRTAT	r6rxhrtat:w6 s	takes meds for heart attack	Categ
07	S7RXHRTAT	r7rxhrtat:w7 s	takes meds for heart attack	Categ
08	S8RXHRTAT	r8rxhrtat:w8 s	takes meds for heart attack	Categ
09	S9RXHRTAT	r9rxhrtat:w9 s	takes meds for heart attack	Categ
10	S10RXHRTAT	r10rxhrtat:w10 s	takes meds for heart attack	Categ
11	S11RXHRTAT	r11rxhrtat:w11 s	takes meds for heart attack	Categ
12	S12RXHRTAT	r12rxhrtat:w12 s	takes meds for heart attack	Categ
13	S13RXHRTAT	r13rxhrtat:w13 s	takes meds for heart attack	Categ
14	S14RXHRTAT	r14rxhrtat:w14 s	takes meds for heart attack	Categ
15	S15RXHRTAT	r15rxhrtat:w15 s	takes meds for heart attack	Categ
03	R3RXHEART	r3rxheart:w3 r	takes meds for heart problems	Categ
04	R4RXHEART	r4rxheart:w4 r	takes meds for heart problems	Categ
05	R5RXHEART	r5rxheart:w5 r	takes meds for heart problems	Categ
06	R6RXHEART	r6rxheart:w6 r	takes meds for heart problems	Categ
07	R7RXHEART	r7rxheart:w7 r	takes meds for heart problems	Categ
08	R8RXHEART	r8rxheart:w8 r	takes meds for heart problems	Categ
09	R9RXHEART	r9rxheart:w9 r	takes meds for heart problems	Categ
10	R10RXHEART	r10rxheart:w10 r	takes meds for heart problems	Categ
11	R11RXHEART	r11rxheart:w11 r	takes meds for heart problems	Categ
12	R12RXHEART	r12rxheart:w12 r	takes meds for heart problems	Categ
13	R13RXHEART	r13rxheart:w13 r	takes meds for heart problems	Categ
14	R14RXHEART	r14rxheart:w14 r	takes meds for heart problems	Categ
15	R15RXHEART	r15rxheart:w15 r	takes meds for heart problems	Categ
03	S3RXHEART	s3rxheart:w3 s	takes meds for heart problems	Categ
04	S4RXHEART	s4rxheart:w4 s	takes meds for heart problems	Categ
05	S5RXHEART	s5rxheart:w5 s	takes meds for heart problems	Categ
06	S6RXHEART	s6rxheart:w6 s	takes meds for heart problems	Categ
07	S7RXHEART	s7rxheart:w7 s	takes meds for heart problems	Categ
08	S8RXHEART	s8rxheart:w8 s	takes meds for heart problems	Categ
09	S9RXHEART	s9rxheart:w9 s	takes meds for heart problems	Categ
10	S10RXHEART	s10rxheart:w10 s	takes meds for heart problems	Categ
11	S11RXHEART	s11rxheart:w11 s	takes meds for heart problems	Categ
12	S12RXHEART	s12rxheart:w12 s	takes meds for heart problems	Categ
13	S13RXHEART	s13rxheart:w13 s	takes meds for heart problems	Categ
14	S14RXHEART	s14rxheart:w14 s	takes meds for heart problems	Categ
15	S15RXHEART	s15rxheart:w15 s	takes meds for heart problems	Categ
09	R9RXMEMORY	r9rxmemory:w9 r	takes meds for memory problem	Categ
10	R10RXMEMORY	r10rxmemory:w10 r	takes meds for memory problem	Categ
11	R11RXMEMORY	r11rxmemory:w11 r	takes meds for memory problem	Categ
12	R12RXMEMORY	r12rxmemory:w12 r	takes meds for memory problem	Categ
13	R13RXMEMORY	r13rxmemory:w13 r	takes meds for memory problem	Categ
14	R14RXMEMORY	r14rxmemory:w14 r	takes meds for memory problem	Categ
15	R15RXMEMORY	r15rxmemory:w15 r	takes meds for memory problem	Categ
09	S9RXMEMORY	s9rxmemory:w9 s	takes meds for memory problem	Categ
10	S10RXMEMORY	s10rxmemory:w10 s	takes meds for memory problem	Categ
11	S11RXMEMORY	s11rxmemory:w11 s	takes meds for memory problem	Categ
12	S12RXMEMORY	s12rxmemory:w12 s	takes meds for memory problem	Categ
13	S13RXMEMORY	s13rxmemory:w13 s	takes meds for memory problem	Categ

14	S14RXMEMRY	s14rxmemry:w14 s takes meds for memory problem	Categ
15	S15RXMEMRY	s15rxmemry:w15 s takes meds for memory problem	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RXHIBP	12652	0.25	0.43	0.00	1.00
R2RXHIBP	7789	0.05	0.21	0.00	1.00
R3RXHIBP	17967	0.37	0.48	0.00	1.00
R4RXHIBP	21359	0.38	0.49	0.00	1.00
R5RXHIBP	19555	0.43	0.50	0.00	1.00
R6RXHIBP	18008	0.47	0.50	0.00	1.00
R7RXHIBP	19955	0.47	0.50	0.00	1.00
R8RXHIBP	18284	0.52	0.50	0.00	1.00
R9RXHIBP	17063	0.55	0.50	0.00	1.00
R10RXHIBP	21840	0.52	0.50	0.00	1.00
R11RXHIBP	20327	0.54	0.50	0.00	1.00
R12RXHIBP	18520	0.56	0.50	0.00	1.00
R13RXHIBP	20637	0.52	0.50	0.00	1.00
R14RXHIBP	16983	0.54	0.50	0.00	1.00
R15RXHIBP	15527	0.55	0.50	0.00	1.00
S1RXHIBP	9900	0.24	0.43	0.00	1.00
S2RXHIBP	6074	0.04	0.20	0.00	1.00
S3RXHIBP	11908	0.34	0.47	0.00	1.00
S4RXHIBP	13971	0.36	0.48	0.00	1.00
S5RXHIBP	12723	0.41	0.49	0.00	1.00
S6RXHIBP	11563	0.45	0.50	0.00	1.00
S7RXHIBP	12893	0.45	0.50	0.00	1.00
S8RXHIBP	11629	0.49	0.50	0.00	1.00
S9RXHIBP	10562	0.52	0.50	0.00	1.00
S10RXHIBP	13402	0.49	0.50	0.00	1.00
S11RXHIBP	12354	0.51	0.50	0.00	1.00
S12RXHIBP	10897	0.52	0.50	0.00	1.00
S13RXHIBP	11652	0.49	0.50	0.00	1.00
S14RXHIBP	9271	0.51	0.50	0.00	1.00
S15RXHIBP	8364	0.52	0.50	0.00	1.00
R1RXDIABO	12652	0.05	0.22	0.00	1.00
R2RXDIABO	18639	0.05	0.21	0.00	1.00
R3RXDIABO	17987	0.07	0.26	0.00	1.00
R4RXDIABO	21378	0.09	0.28	0.00	1.00
R5RXDIABO	19576	0.10	0.30	0.00	1.00
R6RXDIABO	18129	0.12	0.33	0.00	1.00
R7RXDIABO	20087	0.13	0.34	0.00	1.00
R8RXDIABO	18421	0.15	0.35	0.00	1.00
R9RXDIABO	17169	0.16	0.37	0.00	1.00
R10RXDIABO	21884	0.16	0.37	0.00	1.00
R11RXDIABO	20301	0.17	0.38	0.00	1.00
R12RXDIABO	18471	0.18	0.38	0.00	1.00
R13RXDIABO	20641	0.18	0.38	0.00	1.00
R14RXDIABO	16843	0.19	0.39	0.00	1.00
R15RXDIABO	15485	0.20	0.40	0.00	1.00
S1RXDIABO	9900	0.05	0.22	0.00	1.00
S2RXDIABO	12360	0.04	0.19	0.00	1.00
S3RXDIABO	11913	0.07	0.26	0.00	1.00
S4RXDIABO	13975	0.08	0.28	0.00	1.00
S5RXDIABO	12729	0.10	0.30	0.00	1.00
S6RXDIABO	11614	0.12	0.33	0.00	1.00
S7RXDIABO	12945	0.12	0.33	0.00	1.00
S8RXDIABO	11698	0.14	0.35	0.00	1.00

S9RXDIABO	10614	0.16	0.36	0.00	1.00
S10RXDIABO	13414	0.16	0.37	0.00	1.00
S11RXDIABO	12316	0.17	0.38	0.00	1.00
S12RXDIABO	10851	0.18	0.38	0.00	1.00
S13RXDIABO	11623	0.18	0.38	0.00	1.00
S14RXDIABO	9202	0.18	0.39	0.00	1.00
S15RXDIABO	8351	0.19	0.39	0.00	1.00
R1RXDIABI	12652	0.03	0.17	0.00	1.00
R2RXDIABI	18637	0.02	0.14	0.00	1.00
R3RXDIABI	17987	0.04	0.20	0.00	1.00
R4RXDIABI	21381	0.04	0.19	0.00	1.00
R5RXDIABI	19574	0.04	0.20	0.00	1.00
R6RXDIABI	18129	0.04	0.20	0.00	1.00
R7RXDIABI	20088	0.04	0.20	0.00	1.00
R8RXDIABI	18421	0.05	0.21	0.00	1.00
R9RXDIABI	17174	0.05	0.22	0.00	1.00
R10RXDIABI	21882	0.05	0.22	0.00	1.00
R11RXDIABI	20301	0.06	0.24	0.00	1.00
R12RXDIABI	18469	0.06	0.24	0.00	1.00
R13RXDIABI	19911	0.07	0.25	0.00	1.00
R14RXDIABI	16840	0.05	0.21	0.00	1.00
R15RXDIABI	15483	0.06	0.24	0.00	1.00
S1RXDIABI	9900	0.03	0.16	0.00	1.00
S2RXDIABI	12360	0.02	0.12	0.00	1.00
S3RXDIABI	11913	0.04	0.19	0.00	1.00
S4RXDIABI	13977	0.04	0.18	0.00	1.00
S5RXDIABI	12728	0.04	0.19	0.00	1.00
S6RXDIABI	11613	0.04	0.19	0.00	1.00
S7RXDIABI	12944	0.04	0.19	0.00	1.00
S8RXDIABI	11699	0.04	0.20	0.00	1.00
S9RXDIABI	10618	0.05	0.21	0.00	1.00
S10RXDIABI	13413	0.05	0.21	0.00	1.00
S11RXDIABI	12316	0.05	0.23	0.00	1.00
S12RXDIABI	10852	0.06	0.23	0.00	1.00
S13RXDIABI	11219	0.06	0.24	0.00	1.00
S14RXDIABI	9199	0.04	0.21	0.00	1.00
S15RXDIABI	8348	0.06	0.23	0.00	1.00
R1RXDIAB	12652	0.07	0.26	0.00	1.00
R2RXDIAB	18639	0.06	0.23	0.00	1.00
R3RXDIAB	17987	0.11	0.31	0.00	1.00
R4RXDIAB	21381	0.11	0.32	0.00	1.00
R5RXDIAB	19576	0.13	0.33	0.00	1.00
R6RXDIAB	18130	0.14	0.35	0.00	1.00
R7RXDIAB	20089	0.15	0.36	0.00	1.00
R8RXDIAB	18422	0.17	0.37	0.00	1.00
R9RXDIAB	17174	0.18	0.39	0.00	1.00
R10RXDIAB	21892	0.18	0.39	0.00	1.00
R11RXDIAB	20311	0.20	0.40	0.00	1.00
R12RXDIAB	18476	0.20	0.40	0.00	1.00
R13RXDIAB	20645	0.20	0.40	0.00	1.00
R14RXDIAB	16844	0.19	0.39	0.00	1.00
R15RXDIAB	15488	0.21	0.41	0.00	1.00
S1RXDIAB	9900	0.07	0.25	0.00	1.00
S2RXDIAB	12360	0.05	0.21	0.00	1.00
S3RXDIAB	11913	0.10	0.30	0.00	1.00
S4RXDIAB	13977	0.11	0.31	0.00	1.00
S5RXDIAB	12729	0.12	0.33	0.00	1.00
S6RXDIAB	11614	0.14	0.35	0.00	1.00
S7RXDIAB	12945	0.14	0.35	0.00	1.00

S8RXDIAB	11699	0.16	0.37	0.00	1.00
S9RXDIAB	10618	0.18	0.38	0.00	1.00
S10RXDIAB	13417	0.18	0.38	0.00	1.00
S11RXDIAB	12321	0.19	0.39	0.00	1.00
S12RXDIAB	10853	0.20	0.40	0.00	1.00
S13RXDIAB	11625	0.20	0.40	0.00	1.00
S14RXDIAB	9202	0.19	0.39	0.00	1.00
S15RXDIAB	8352	0.20	0.40	0.00	1.00
R1RXSTROK	12652	0.01	0.12	0.00	1.00
R2RXSTROK	11137	0.01	0.08	0.00	1.00
R3RXSTROK	17890	0.03	0.16	0.00	1.00
R4RXSTROK	21268	0.03	0.17	0.00	1.00
R5RXSTROK	19559	0.03	0.17	0.00	1.00
R6RXSTROK	18148	0.03	0.17	0.00	1.00
R7RXSTROK	20105	0.03	0.18	0.00	1.00
R8RXSTROK	18444	0.03	0.18	0.00	1.00
R9RXSTROK	17176	0.03	0.18	0.00	1.00
R10RXSTROK	21999	0.03	0.17	0.00	1.00
R11RXSTROK	20525	0.03	0.17	0.00	1.00
R12RXSTROK	18707	0.03	0.17	0.00	1.00
R13RXSTROK	20888	0.03	0.16	0.00	1.00
R14RXSTROK	17131	0.03	0.17	0.00	1.00
R15RXSTROK	15706	0.03	0.16	0.00	1.00
S1RXSTROK	9900	0.01	0.12	0.00	1.00
S2RXSTROK	8532	0.01	0.07	0.00	1.00
S3RXSTROK	11870	0.02	0.15	0.00	1.00
S4RXSTROK	13937	0.02	0.16	0.00	1.00
S5RXSTROK	12727	0.03	0.16	0.00	1.00
S6RXSTROK	11629	0.03	0.16	0.00	1.00
S7RXSTROK	12960	0.03	0.16	0.00	1.00
S8RXSTROK	11720	0.03	0.16	0.00	1.00
S9RXSTROK	10628	0.03	0.17	0.00	1.00
S10RXSTROK	13497	0.02	0.16	0.00	1.00
S11RXSTROK	12466	0.02	0.15	0.00	1.00
S12RXSTROK	10996	0.02	0.15	0.00	1.00
S13RXSTROK	11769	0.02	0.15	0.00	1.00
S14RXSTROK	9357	0.03	0.16	0.00	1.00
S15RXSTROK	8465	0.02	0.15	0.00	1.00
R1RXANGINA	12652	0.03	0.18	0.00	1.00
R2RXANGINA	11518	0.02	0.15	0.00	1.00
R3RXANGINA	17967	0.06	0.24	0.00	1.00
R4RXANGINA	21368	0.05	0.22	0.00	1.00
R5RXANGINA	19565	0.05	0.22	0.00	1.00
R6RXANGINA	18150	0.05	0.22	0.00	1.00
R7RXANGINA	20090	0.04	0.20	0.00	1.00
R8RXANGINA	18438	0.04	0.21	0.00	1.00
R9RXANGINA	17172	0.04	0.19	0.00	1.00
R10RXANGINA	21432	0.02	0.13	0.00	1.00
R11RXANGINA	20225	0.02	0.14	0.00	1.00
R12RXANGINA	18305	0.02	0.14	0.00	1.00
R13RXANGINA	23144	0.02	0.15	0.00	1.00
R14RXANGINA	16442	0.02	0.13	0.00	1.00
R15RXANGINA	15468	0.02	0.16	0.00	1.00
S1RXANGINA	9900	0.03	0.17	0.00	1.00
S2RXANGINA	8728	0.02	0.13	0.00	1.00
S3RXANGINA	11899	0.05	0.22	0.00	1.00
S4RXANGINA	13973	0.05	0.21	0.00	1.00
S5RXANGINA	12724	0.04	0.20	0.00	1.00
S6RXANGINA	11628	0.04	0.20	0.00	1.00



S7RXANGINA	12956	0.04	0.19	0.00	1.00
S8RXANGINA	11722	0.04	0.19	0.00	1.00
S9RXANGINA	10621	0.03	0.18	0.00	1.00
S10RXANGINA	13175	0.02	0.12	0.00	1.00
S11RXANGINA	12303	0.02	0.14	0.00	1.00
S12RXANGINA	10780	0.02	0.13	0.00	1.00
S13RXANGINA	11705	0.02	0.14	0.00	1.00
S14RXANGINA	9026	0.02	0.12	0.00	1.00
S15RXANGINA	8348	0.02	0.14	0.00	1.00
R1RXCHF	12652	0.01	0.12	0.00	1.00
R2RXCHF	11459	0.01	0.11	0.00	1.00
R3RXCHF	17925	0.02	0.15	0.00	1.00
R4RXCHF	21362	0.02	0.15	0.00	1.00
R5RXCHF	19555	0.02	0.15	0.00	1.00
R6RXCHF	18138	0.03	0.16	0.00	1.00
R7RXCHF	20080	0.03	0.16	0.00	1.00
R8RXCHF	18426	0.03	0.17	0.00	1.00
R9RXCHF	17170	0.03	0.17	0.00	1.00
R10RXCHF	21445	0.03	0.16	0.00	1.00
R11RXCHF	20264	0.02	0.16	0.00	1.00
R12RXCHF	18391	0.03	0.17	0.00	1.00
R13RXCHF	20748	0.03	0.17	0.00	1.00
R14RXCHF	16642	0.02	0.14	0.00	1.00
R15RXCHF	15519	0.03	0.17	0.00	1.00
S1RXCHF	9900	0.01	0.12	0.00	1.00
S2RXCHF	8726	0.01	0.10	0.00	1.00
S3RXCHF	11869	0.02	0.13	0.00	1.00
S4RXCHF	13971	0.02	0.14	0.00	1.00
S5RXCHF	12723	0.02	0.14	0.00	1.00
S6RXCHF	11622	0.02	0.15	0.00	1.00
S7RXCHF	12949	0.02	0.14	0.00	1.00
S8RXCHF	11714	0.02	0.16	0.00	1.00
S9RXCHF	10619	0.02	0.15	0.00	1.00
S10RXCHF	13208	0.02	0.14	0.00	1.00
S11RXCHF	12347	0.02	0.14	0.00	1.00
S12RXCHF	10844	0.02	0.15	0.00	1.00
S13RXCHF	11716	0.02	0.15	0.00	1.00
S14RXCHF	9131	0.02	0.12	0.00	1.00
S15RXCHF	8377	0.02	0.14	0.00	1.00
R1RXARTHR	12652	0.14	0.35	0.00	1.00
R2RXARTHR	7751	0.04	0.20	0.00	1.00
R3RXARTHR	17946	0.21	0.41	0.00	1.00
R4RXARTHR	21333	0.22	0.41	0.00	1.00
R5RXARTHR	19537	0.25	0.43	0.00	1.00
R6RXARTHR	18124	0.27	0.44	0.00	1.00
R7RXARTHR	20087	0.26	0.44	0.00	1.00
R8RXARTHR	18422	0.25	0.43	0.00	1.00
R9RXARTHR	17154	0.26	0.44	0.00	1.00
R10RXARTHR	21953	0.23	0.42	0.00	1.00
R11RXARTHR	20494	0.23	0.42	0.00	1.00
S1RXARTHR	9900	0.13	0.34	0.00	1.00
S2RXARTHR	6079	0.04	0.19	0.00	1.00
S3RXARTHR	11894	0.18	0.39	0.00	1.00
S4RXARTHR	13953	0.19	0.39	0.00	1.00
S5RXARTHR	12715	0.22	0.42	0.00	1.00
S6RXARTHR	11616	0.25	0.43	0.00	1.00
S7RXARTHR	12957	0.23	0.42	0.00	1.00
S8RXARTHR	11713	0.22	0.42	0.00	1.00
S9RXARTHR	10619	0.23	0.42	0.00	1.00

S10RXARTHR	13483	0.21	0.41	0.00	1.00
S11RXARTHR	12450	0.21	0.41	0.00	1.00
R1RXLUNG	12652	0.03	0.17	0.00	1.00
R2RXLUNG	10917	0.01	0.11	0.00	1.00
R3RXLUNG	17976	0.05	0.21	0.00	1.00
R4RXLUNG	21372	0.04	0.20	0.00	1.00
R5RXLUNG	19570	0.05	0.21	0.00	1.00
R6RXLUNG	18111	0.05	0.23	0.00	1.00
R7RXLUNG	20052	0.05	0.23	0.00	1.00
R8RXLUNG	18390	0.06	0.24	0.00	1.00
R9RXLUNG	17137	0.07	0.25	0.00	1.00
R10RXLUNG	21930	0.06	0.24	0.00	1.00
R11RXLUNG	20438	0.06	0.24	0.00	1.00
R12RXLUNG	18620	0.06	0.24	0.00	1.00
R13RXLUNG	20757	0.06	0.24	0.00	1.00
R14RXLUNG	17003	0.07	0.25	0.00	1.00
R15RXLUNG	15584	0.07	0.25	0.00	1.00
S1RXLUNG	9900	0.03	0.16	0.00	1.00
S2RXLUNG	8366	0.01	0.10	0.00	1.00
S3RXLUNG	11905	0.04	0.20	0.00	1.00
S4RXLUNG	13975	0.04	0.19	0.00	1.00
S5RXLUNG	12726	0.04	0.20	0.00	1.00
S6RXLUNG	11608	0.05	0.21	0.00	1.00
S7RXLUNG	12939	0.04	0.21	0.00	1.00
S8RXLUNG	11687	0.05	0.22	0.00	1.00
S9RXLUNG	10598	0.06	0.23	0.00	1.00
S10RXLUNG	13460	0.05	0.22	0.00	1.00
S11RXLUNG	12421	0.05	0.22	0.00	1.00
S12RXLUNG	10946	0.05	0.22	0.00	1.00
S13RXLUNG	11693	0.05	0.22	0.00	1.00
S14RXLUNG	9292	0.05	0.22	0.00	1.00
S15RXLUNG	8402	0.05	0.22	0.00	1.00
R1RXPSYCH	12652	0.04	0.20	0.00	1.00
R2RXPSYCH	10709	0.02	0.14	0.00	1.00
R3RXPSYCH	17975	0.06	0.24	0.00	1.00
R4RXPSYCH	21366	0.07	0.25	0.00	1.00
R5RXPSYCH	19551	0.08	0.27	0.00	1.00
R6RXPSYCH	18048	0.09	0.29	0.00	1.00
R7RXPSYCH	19958	0.10	0.29	0.00	1.00
R8RXPSYCH	18282	0.11	0.31	0.00	1.00
R9RXPSYCH	16996	0.11	0.31	0.00	1.00
R10RXPSYCH	21854	0.14	0.35	0.00	1.00
R11RXPSYCH	20321	0.15	0.35	0.00	1.00
S1RXPSYCH	9900	0.04	0.18	0.00	1.00
S2RXPSYCH	8304	0.02	0.13	0.00	1.00
S3RXPSYCH	11909	0.06	0.23	0.00	1.00
S4RXPSYCH	13971	0.06	0.24	0.00	1.00
S5RXPSYCH	12718	0.07	0.25	0.00	1.00
S6RXPSYCH	11575	0.08	0.27	0.00	1.00
S7RXPSYCH	12894	0.08	0.28	0.00	1.00
S8RXPSYCH	11643	0.09	0.29	0.00	1.00
S9RXPSYCH	10540	0.10	0.30	0.00	1.00
S10RXPSYCH	13435	0.12	0.33	0.00	1.00
S11RXPSYCH	12369	0.13	0.34	0.00	1.00
R1TRPSYCH	12652	0.02	0.15	0.00	1.00
R2TRPSYCH	10710	0.01	0.10	0.00	1.00
R3TRPSYCH	17975	0.02	0.15	0.00	1.00
R4TRPSYCH	21364	0.03	0.17	0.00	1.00

R5TRPSYCH	19556	0.03	0.16	0.00	1.00
R6TRPSYCH	18051	0.03	0.17	0.00	1.00
R7TRPSYCH	19972	0.04	0.19	0.00	1.00
R8TRPSYCH	18284	0.04	0.19	0.00	1.00
R9TRPSYCH	17004	0.04	0.20	0.00	1.00
R10TRPSYCH	21864	0.05	0.23	0.00	1.00
R11TRPSYCH	20327	0.06	0.23	0.00	1.00
R12TRPSYCH	18524	0.07	0.25	0.00	1.00
R13TRPSYCH	20703	0.08	0.27	0.00	1.00
R14TRPSYCH	17008	0.10	0.31	0.00	1.00
R15TRPSYCH	15545	0.09	0.29	0.00	1.00
S1TRPSYCH	9900	0.02	0.13	0.00	1.00
S2TRPSYCH	8304	0.01	0.09	0.00	1.00
S3TRPSYCH	11909	0.02	0.14	0.00	1.00
S4TRPSYCH	13970	0.02	0.15	0.00	1.00
S5TRPSYCH	12721	0.02	0.15	0.00	1.00
S6TRPSYCH	11578	0.03	0.16	0.00	1.00
S7TRPSYCH	12902	0.03	0.17	0.00	1.00
S8TRPSYCH	11644	0.03	0.18	0.00	1.00
S9TRPSYCH	10544	0.03	0.18	0.00	1.00
S10TRPSYCH	13438	0.04	0.20	0.00	1.00
S11TRPSYCH	12373	0.05	0.21	0.00	1.00
S12TRPSYCH	10920	0.06	0.23	0.00	1.00
S13TRPSYCH	11692	0.06	0.24	0.00	1.00
S14TRPSYCH	9303	0.09	0.28	0.00	1.00
S15TRPSYCH	8386	0.08	0.26	0.00	1.00
R1CNCRCHEM	12652	0.01	0.09	0.00	1.00
R2CNCRCHEM	19191	0.01	0.10	0.00	1.00
R3CNCRCHEM	17979	0.01	0.10	0.00	1.00
R4CNCRCHEM	21373	0.01	0.09	0.00	1.00
R5CNCRCHEM	19563	0.01	0.12	0.00	1.00
R6CNCRCHEM	18109	0.02	0.12	0.00	1.00
R7CNCRCHEM	17779	0.00	0.04	0.00	1.00
R8CNCRCHEM	18391	0.02	0.12	0.00	1.00
R9CNCRCHEM	14615	0.00	0.01	0.00	1.00
R10CNCRCHEM	21929	0.02	0.13	0.00	1.00
R11CNCRCHEM	17614	0.00	0.02	0.00	1.00
R12CNCRCHEM	18645	0.01	0.12	0.00	1.00
R13CNCRCHEM	19034	0.00	0.05	0.00	1.00
R14CNCRCHEM	17077	0.01	0.11	0.00	1.00
R15CNCRCHEM	13214	0.00	0.01	0.00	1.00
S1CNCRCHEM	9900	0.01	0.09	0.00	1.00
S2CNCRCHEM	12726	0.01	0.09	0.00	1.00
S3CNCRCHEM	11909	0.01	0.10	0.00	1.00
S4CNCRCHEM	13972	0.01	0.09	0.00	1.00
S5CNCRCHEM	12723	0.01	0.12	0.00	1.00
S6CNCRCHEM	11600	0.02	0.13	0.00	1.00
S7CNCRCHEM	11541	0.00	0.03	0.00	1.00
S8CNCRCHEM	11689	0.02	0.12	0.00	1.00
S9CNCRCHEM	9099	0.00	0.02	0.00	1.00
S10CNCRCHEM	13456	0.02	0.13	0.00	1.00
S11CNCRCHEM	10777	0.00	0.03	0.00	1.00
S12CNCRCHEM	10961	0.02	0.12	0.00	1.00
S13CNCRCHEM	10685	0.00	0.04	0.00	1.00
S14CNCRCHEM	9321	0.01	0.12	0.00	1.00
S15CNCRCHEM	7133	0.00	0.02	0.00	1.00
R1CNCRSURG	12652	0.01	0.10	0.00	1.00
R2CNCRSURG	19191	0.01	0.11	0.00	1.00
R3CNCRSURG	17979	0.01	0.07	0.00	1.00

R4CNCRSURG	21373	0.01	0.07	0.00	1.00
R5CNCRSURG	19563	0.02	0.15	0.00	1.00
R6CNCRSURG	18109	0.02	0.15	0.00	1.00
R7CNCRSURG	17779	0.00	0.05	0.00	1.00
R8CNCRSURG	18391	0.02	0.14	0.00	1.00
R9CNCRSURG	14615	0.00	0.01	0.00	1.00
R10CNCRSURG	21929	0.02	0.14	0.00	1.00
R11CNCRSURG	17614	0.00	0.02	0.00	1.00
R12CNCRSURG	18645	0.02	0.14	0.00	1.00
R13CNCRSURG	19034	0.00	0.05	0.00	1.00
R14CNCRSURG	17077	0.02	0.14	0.00	1.00
R15CNCRSURG	13214	0.00	0.02	0.00	1.00
S1CNCRSURG	9900	0.01	0.10	0.00	1.00
S2CNCRSURG	12726	0.01	0.11	0.00	1.00
S3CNCRSURG	11909	0.01	0.07	0.00	1.00
S4CNCRSURG	13972	0.01	0.07	0.00	1.00
S5CNCRSURG	12723	0.02	0.15	0.00	1.00
S6CNCRSURG	11600	0.02	0.15	0.00	1.00
S7CNCRSURG	11541	0.00	0.05	0.00	1.00
S8CNCRSURG	11689	0.02	0.14	0.00	1.00
S9CNCRSURG	9099	0.00	0.02	0.00	1.00
S10CNCRSURG	13456	0.02	0.15	0.00	1.00
S11CNCRSURG	10777	0.00	0.02	0.00	1.00
S12CNCRSURG	10961	0.02	0.15	0.00	1.00
S13CNCRSURG	10685	0.00	0.05	0.00	1.00
S14CNCRSURG	9321	0.02	0.15	0.00	1.00
S15CNCRSURG	7133	0.00	0.02	0.00	1.00
R1CNCRRADN	12652	0.01	0.08	0.00	1.00
R2CNCRRADN	19191	0.01	0.09	0.00	1.00
R3CNCRRADN	17979	0.00	0.07	0.00	1.00
R4CNCRRADN	21373	0.01	0.07	0.00	1.00
R5CNCRRADN	19563	0.01	0.10	0.00	1.00
R6CNCRRADN	18109	0.01	0.11	0.00	1.00
R7CNCRRADN	17779	0.00	0.03	0.00	1.00
R8CNCRRADN	18391	0.01	0.11	0.00	1.00
R9CNCRRADN	14615	0.00	0.01	0.00	1.00
R10CNCRRADN	21929	0.01	0.11	0.00	1.00
R11CNCRRADN	17614	0.00	0.02	0.00	1.00
R12CNCRRADN	18645	0.01	0.11	0.00	1.00
R13CNCRRADN	19034	0.00	0.04	0.00	1.00
R14CNCRRADN	17077	0.01	0.10	0.00	1.00
R15CNCRRADN	13214	0.00	0.01	0.00	1.00
S1CNCRRADN	9900	0.01	0.08	0.00	1.00
S2CNCRRADN	12726	0.01	0.09	0.00	1.00
S3CNCRRADN	11909	0.00	0.07	0.00	1.00
S4CNCRRADN	13972	0.00	0.07	0.00	1.00
S5CNCRRADN	12723	0.01	0.11	0.00	1.00
S6CNCRRADN	11600	0.01	0.11	0.00	1.00
S7CNCRRADN	11541	0.00	0.03	0.00	1.00
S8CNCRRADN	11689	0.01	0.11	0.00	1.00
S9CNCRRADN	9099	0.00	0.01	0.00	1.00
S10CNCRRADN	13456	0.01	0.12	0.00	1.00
S11CNCRRADN	10777	0.00	0.02	0.00	1.00
S12CNCRRADN	10961	0.01	0.11	0.00	1.00
S13CNCRRADN	10685	0.00	0.03	0.00	1.00
S14CNCRRADN	9321	0.01	0.10	0.00	1.00
S15CNCRRADN	7133	0.00	0.01	0.00	1.00
R1CNCROTHR	12652	0.00	0.06	0.00	1.00
R2CNCROTHR	18502	0.00	0.07	0.00	1.00

R3CNCROTHR	17979	0.00	0.05	0.00	1.00
R4CNCROTHR	21373	0.00	0.05	0.00	1.00
R5CNCROTHR	19563	0.00	0.03	0.00	1.00
R6CNCROTHR	18109	0.00	0.03	0.00	1.00
R7CNCROTHR	17779	0.00	0.01	0.00	1.00
R8CNCROTHR	18391	0.00	0.06	0.00	1.00
R9CNCROTHR	14615	0.00	0.00	0.00	0.00
R10CNCROTHR	21929	0.00	0.06	0.00	1.00
R11CNCROTHR	17614	0.00	0.01	0.00	1.00
R12CNCROTHR	18645	0.00	0.06	0.00	1.00
R13CNCROTHR	19034	0.00	0.02	0.00	1.00
R14CNCROTHR	17077	0.01	0.07	0.00	1.00
R15CNCROTHR	13214	0.00	0.02	0.00	1.00
S1CNCROTHR	9900	0.00	0.05	0.00	1.00
S2CNCROTHR	12379	0.00	0.06	0.00	1.00
S3CNCROTHR	11909	0.00	0.04	0.00	1.00
S4CNCROTHR	13972	0.00	0.05	0.00	1.00
S5CNCROTHR	12723	0.00	0.03	0.00	1.00
S6CNCROTHR	11600	0.00	0.03	0.00	1.00
S7CNCROTHR	11541	0.00	0.01	0.00	1.00
S8CNCROTHR	11689	0.00	0.06	0.00	1.00
S9CNCROTHR	9099	0.00	0.00	0.00	0.00
S10CNCROTHR	13456	0.00	0.06	0.00	1.00
S11CNCROTHR	10777	0.00	0.01	0.00	1.00
S12CNCROTHR	10961	0.00	0.06	0.00	1.00
S13CNCROTHR	10685	0.00	0.02	0.00	1.00
S14CNCROTHR	9321	0.01	0.08	0.00	1.00
S15CNCROTHR	7133	0.00	0.02	0.00	1.00
R3CNCRMEDS	17979	0.01	0.07	0.00	1.00
R4CNCRMEDS	21373	0.01	0.08	0.00	1.00
R5CNCRMEDS	19563	0.01	0.09	0.00	1.00
R6CNCRMEDS	18109	0.01	0.09	0.00	1.00
R7CNCRMEDS	17779	0.00	0.03	0.00	1.00
R8CNCRMEDS	18391	0.01	0.10	0.00	1.00
R9CNCRMEDS	14615	0.00	0.01	0.00	1.00
R10CNCRMEDS	21929	0.01	0.08	0.00	1.00
R11CNCRMEDS	17614	0.00	0.02	0.00	1.00
R12CNCRMEDS	18645	0.01	0.08	0.00	1.00
R13CNCRMEDS	19034	0.00	0.03	0.00	1.00
R14CNCRMEDS	17077	0.01	0.09	0.00	1.00
R15CNCRMEDS	13214	0.00	0.01	0.00	1.00
S3CNCRMEDS	11909	0.01	0.07	0.00	1.00
S4CNCRMEDS	13972	0.01	0.08	0.00	1.00
S5CNCRMEDS	12723	0.01	0.08	0.00	1.00
S6CNCRMEDS	11600	0.01	0.09	0.00	1.00
S7CNCRMEDS	11541	0.00	0.02	0.00	1.00
S8CNCRMEDS	11689	0.01	0.10	0.00	1.00
S9CNCRMEDS	9099	0.00	0.01	0.00	1.00
S10CNCRMEDS	13456	0.01	0.09	0.00	1.00
S11CNCRMEDS	10777	0.00	0.02	0.00	1.00
S12CNCRMEDS	10961	0.01	0.09	0.00	1.00
S13CNCRMEDS	10685	0.00	0.03	0.00	1.00
S14CNCRMEDS	9321	0.01	0.10	0.00	1.00
S15CNCRMEDS	7133	0.00	0.01	0.00	1.00
R3RXHRTAT	17957	0.02	0.15	0.00	1.00
R4RXHRTAT	21366	0.02	0.15	0.00	1.00
R5RXHRTAT	19562	0.02	0.14	0.00	1.00
R6RXHRTAT	18148	0.02	0.15	0.00	1.00
R7RXHRTAT	20099	0.02	0.14	0.00	1.00

R8RXHRTAT	18442	0.02	0.13	0.00	1.00
R9RXHRTAT	17188	0.02	0.13	0.00	1.00
R10RXHRTAT	20750	0.02	0.15	0.00	1.00
R11RXHRTAT	20202	0.02	0.12	0.00	1.00
R12RXHRTAT	18310	0.02	0.13	0.00	1.00
R13RXHRTAT	20684	0.02	0.13	0.00	1.00
R14RXHRTAT	16588	0.01	0.09	0.00	1.00
R15RXHRTAT	15455	0.01	0.12	0.00	1.00
S3RXHRTAT	11891	0.02	0.14	0.00	1.00
S4RXHRTAT	13967	0.02	0.14	0.00	1.00
S5RXHRTAT	12725	0.02	0.14	0.00	1.00
S6RXHRTAT	11625	0.02	0.14	0.00	1.00
S7RXHRTAT	12957	0.02	0.13	0.00	1.00
S8RXHRTAT	11720	0.02	0.12	0.00	1.00
S9RXHRTAT	10628	0.02	0.13	0.00	1.00
S10RXHRTAT	12756	0.02	0.15	0.00	1.00
S11RXHRTAT	12305	0.02	0.12	0.00	1.00
S12RXHRTAT	10793	0.02	0.13	0.00	1.00
S13RXHRTAT	11676	0.02	0.12	0.00	1.00
S14RXHRTAT	9083	0.01	0.09	0.00	1.00
S15RXHRTAT	8338	0.01	0.11	0.00	1.00
R3RXHEART	17371	0.14	0.34	0.00	1.00
R4RXHEART	19980	0.11	0.31	0.00	1.00
R5RXHEART	18592	0.13	0.34	0.00	1.00
R6RXHEART	17577	0.16	0.36	0.00	1.00
R7RXHEART	19547	0.15	0.36	0.00	1.00
R8RXHEART	17880	0.16	0.37	0.00	1.00
R9RXHEART	16658	0.17	0.37	0.00	1.00
R10RXHEART	21390	0.14	0.35	0.00	1.00
R11RXHEART	20489	0.16	0.37	0.00	1.00
R12RXHEART	18641	0.16	0.37	0.00	1.00
R13RXHEART	20829	0.15	0.36	0.00	1.00
R14RXHEART	17101	0.16	0.36	0.00	1.00
R15RXHEART	15697	0.16	0.37	0.00	1.00
S3RXHEART	11542	0.12	0.33	0.00	1.00
S4RXHEART	13221	0.10	0.30	0.00	1.00
S5RXHEART	12212	0.12	0.33	0.00	1.00
S6RXHEART	11294	0.14	0.35	0.00	1.00
S7RXHEART	12641	0.14	0.34	0.00	1.00
S8RXHEART	11386	0.15	0.36	0.00	1.00
S9RXHEART	10322	0.16	0.37	0.00	1.00
S10RXHEART	13152	0.13	0.34	0.00	1.00
S11RXHEART	12449	0.15	0.36	0.00	1.00
S12RXHEART	10962	0.15	0.36	0.00	1.00
S13RXHEART	11748	0.14	0.34	0.00	1.00
S14RXHEART	9337	0.15	0.36	0.00	1.00
S15RXHEART	8454	0.15	0.36	0.00	1.00
R9RXMEMRY	17110	0.03	0.16	0.00	1.00
R10RXMEMRY	21975	0.02	0.15	0.00	1.00
R11RXMEMRY	20444	0.02	0.15	0.00	1.00
R12RXMEMRY	18653	0.02	0.15	0.00	1.00
R13RXMEMRY	20811	0.02	0.14	0.00	1.00
R14RXMEMRY	16949	0.02	0.13	0.00	1.00
R15RXMEMRY	15657	0.02	0.14	0.00	1.00
S9RXMEMRY	10595	0.02	0.14	0.00	1.00
S10RXMEMRY	13485	0.01	0.12	0.00	1.00
S11RXMEMRY	12429	0.02	0.12	0.00	1.00
S12RXMEMRY	10973	0.02	0.13	0.00	1.00

S13RXMEMRY	11738	0.01	0.12	0.00	1.00
S14RXMEMRY	9271	0.01	0.11	0.00	1.00
S15RXMEMRY	8431	0.01	0.12	0.00	1.00

### Categorical Variable Codes

Value-----	R1RXHIBP	R2RXHIBP	R3RXHIBP	R4RXHIBP	R5RXHIBP
.d:DK		2	11	12	8
.m:Missing		143	13	13	14
.q:not asked this wave		8222			
.r:Refuse		2			1
.s:skipped		3659			
0.no	9494	7435	11364	13171	11141
1.yes	3158	354	6603	8188	8414

Value-----	R6RXHIBP	R7RXHIBP	R8RXHIBP	R9RXHIBP	R10RXHIBP
.d:DK	17	21	16	17	31
.m:Missing	140	153	168	136	162
.r:Refuse			1	1	1
0.no	9531	10483	8807	7754	10478
1.yes	8477	9472	9477	9309	11362

Value-----	R11RXHIBP	R12RXHIBP	R13RXHIBP	R14RXHIBP	R15RXHIBP
.d:DK	52	53	75	20	24
.m:Missing	174	173	200	140	172
.r:Refuse	1	1		3	
0.no	9279	8197	9963	7831	6954
1.yes	11048	10323	10674	9152	8573

Value-----	S1RXHIBP	S2RXHIBP	S3RXHIBP	S4RXHIBP	S5RXHIBP
.d:DK		1	3	4	4
.m:Missing			5	3	2
.q:not asked this wave		4350			
.r:Refuse		2			1
.s:skipped		2661			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	7541	5830	7866	8979	7529
1.yes	2359	244	4042	4992	5194

Value-----	S6RXHIBP	S7RXHIBP	S8RXHIBP	S9RXHIBP	S10RXHIBP
.d:DK	4	5	5	4	15
.m:Missing	65	70	93	73	90
.r:Refuse			1	1	1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	6387	7139	5948	5102	6857
1.yes	5176	5754	5681	5460	6545

Value-----	S11RXHIBP	S12RXHIBP	S13RXHIBP	S14RXHIBP	S15RXHIBP
.d:DK	22	26	32	9	11
.m:Missing	100	89	94	77	91
.r:Refuse				1	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	6000	5194	5974	4552	4012
1.yes	6354	5703	5678	4719	4352

Value-----	R1RXDIABO	R2RXDIABO	R3RXDIABO	R4RXDIABO	R5RXDIABO
.d:DK		4	2	3	
.m:Missing		151	2	3	2
.s:skipped		1023			
0.no	12004	17800	16648	19524	17551
1.yes	648	839	1339	1854	2025

Value-----	R6RXDIABO	R7RXDIABO	R8RXDIABO	R9RXDIABO	R10RXDIABO
.d:DK	2	2	2	7	103
.m:Missing	34	40	46	41	47
0.no	15884	17491	15716	14416	18304
1.yes	2245	2596	2705	2753	3580

Value-----	R11RXDIABO	R12RXDIABO	R13RXDIABO	R14RXDIABO	R15RXDIABO
.d:DK	129	110	83	9	12

.m:Missing	124	166	188	290	224
.r:Refuse				4	2
0.no	16809	15141	16910	13622	12434
1.yes	3492	3330	3731	3221	3051
Value-----	S1RXDIABO	S2RXDIABO	S3RXDIABO	S4RXDIABO	S5RXDIABO
.d:DK		3	2	2	
.m:Missing			1	1	1
.s:skipped		725			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9416	11913	11067	12810	11454
1.yes	484	447	846	1165	1275
Value-----	S6RXDIABO	S7RXDIABO	S8RXDIABO	S9RXDIABO	S10RXDIABO
.d:DK			1	4	65
.m:Missing	18	23	29	22	29
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	10215	11333	10057	8963	11237
1.yes	1399	1612	1641	1651	2177
Value-----	S11RXDIABO	S12RXDIABO	S13RXDIABO	S14RXDIABO	S15RXDIABO
.d:DK	83	69	39	2	5
.m:Missing	77	92	116	152	109
.r:Refuse				2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10230	8938	9570	7500	6747
1.yes	2086	1913	2053	1702	1604
Value-----	R1RXDIABI	R2RXDIABI	R3RXDIABI	R4RXDIABI	R5RXDIABI
.d:DK		5	2		2
.m:Missing		151	2	3	2
.r:Refuse		1			
.s:skipped		1023			
0.no	12291	18273	17243	20549	18791
1.yes	361	364	744	832	783
Value-----	R6RXDIABI	R7RXDIABI	R8RXDIABI	R9RXDIABI	R10RXDIABI
.d:DK	2	1	2	2	105
.m:Missing	34	40	46	41	47
0.no	17407	19286	17580	16289	20738
1.yes	722	802	841	885	1144
Value-----	R11RXDIABI	R12RXDIABI	R13RXDIABI	R14RXDIABI	R15RXDIABI
.d:DK	129	112	71	11	14
.m:Missing	124	166	195	291	224
.r:Refuse				4	2
.s:skipped			735		
0.no	19085	17311	18594	16051	14529
1.yes	1216	1158	1317	789	954
Value-----	S1RXDIABI	S2RXDIABI	S3RXDIABI	S4RXDIABI	S5RXDIABI
.d:DK		3	2		1
.m:Missing			1	1	1
.s:skipped		725			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9650	12172	11478	13484	12251
1.yes	250	188	435	493	477
Value-----	S6RXDIABI	S7RXDIABI	S8RXDIABI	S9RXDIABI	S10RXDIABI
.d:DK	1	1			66
.m:Missing	18	23	29	22	29
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11182	12478	11220	10117	12772
1.yes	431	466	479	501	641
Value-----	S11RXDIABI	S12RXDIABI	S13RXDIABI	S14RXDIABI	S15RXDIABI
.d:DK	83	68	39	5	8
.m:Missing	77	92	118	152	109
.r:Refuse				2	1
.s:skipped			402		
.u:not coupled	7483	7125	8025	6684	6202



.v:SP NR	595	610	1109	1104	1055
0.no	11648	10219	10522	8786	7882
1.yes	668	633	697	413	466
Value-----	R1RXDIAB	R2RXDIAB	R3RXDIAB	R4RXDIAB	R5RXDIAB
.d:DK		4	2		
.m:Missing		151	2	3	2
.s:skipped		1023			
0.no	11733	17561	16098	18979	17120
1.yes	919	1078	1889	2402	2456
Value-----	R6RXDIAB	R7RXDIAB	R8RXDIAB	R9RXDIAB	R10RXDIAB
.d:DK	1		1	2	95
.m:Missing	34	40	46	41	47
0.no	15505	17089	15336	14043	17874
1.yes	2625	3000	3086	3131	4018
Value-----	R11RXDIAB	R12RXDIAB	R13RXDIAB	R14RXDIAB	R15RXDIAB
.d:DK	119	105	20	8	9
.m:Missing	124	166	188	290	224
.r:Refuse				4	2
.s:skipped			59		
0.no	16347	14699	16456	13595	12183
1.yes	3964	3777	4189	3249	3305
Value-----	S1RXDIAB	S2RXDIAB	S3RXDIAB	S4RXDIAB	S5RXDIAB
.d:DK		3	2		
.m:Missing			1	1	1
.s:skipped		725			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9227	11790	10746	12493	11197
1.yes	673	570	1167	1484	1532
Value-----	S6RXDIAB	S7RXDIAB	S8RXDIAB	S9RXDIAB	S10RXDIAB
.d:DK					62
.m:Missing	18	23	29	22	29
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	9984	11092	9839	8758	11013
1.yes	1630	1853	1860	1860	2404
Value-----	S11RXDIAB	S12RXDIAB	S13RXDIAB	S14RXDIAB	S15RXDIAB
.d:DK	78	67	10	2	4
.m:Missing	77	92	116	152	109
.r:Refuse				2	1
.s:skipped			27		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	9998	8712	9341	7486	6643
1.yes	2323	2141	2284	1716	1709
Value-----	R1RXSTROK	R2RXSTROK	R3RXSTROK	R4RXSTROK	R5RXSTROK
.d:DK		12	5	22	18
.m:Missing		164	96	94	1
.q:not asked this wave		8222			
.s:skipped		282			
0.no	12479	11072	17398	20631	19001
1.yes	173	65	492	637	558
Value-----	R6RXSTROK	R7RXSTROK	R8RXSTROK	R9RXSTROK	R10RXSTROK
.d:DK	17	23	24	36	30
.m:Missing		1	1	5	5
0.no	17582	19442	17854	16605	21347
1.yes	566	663	590	571	652
Value-----	R11RXSTROK	R12RXSTROK	R13RXSTROK	R14RXSTROK	R15RXSTROK
.d:DK	29	35	20	15	14
.m:Missing		5	3		3
.r:Refuse			1		
0.no	19892	18169	20322	16646	15287
1.yes	633	538	566	485	419
Value-----	S1RXSTROK	S2RXSTROK	S3RXSTROK	S4RXSTROK	S5RXSTROK
.d:DK			1	3	3
.m:Missing			45	38	

.q:not asked this wave		4350				
.s:skipped		206				
.u:not coupled	2373	5976	5659	6870	6537	
.v:SP NR	379	578	416	536	311	
0.no	9766	8489	11587	13593	12406	
1.yes	134	43	283	344	321	
Value-----	S6RXSTROK	S7RXSTROK	S8RXSTROK	S9RXSTROK	S10RXSTROK	
.d:DK	3	8	8	10	9	
.m:Missing				2	2	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
0.no	11322	12602	11393	10308	13162	
1.yes	307	358	327	320	335	
Value-----	S11RXSTROK	S12RXSTROK	S13RXSTROK	S14RXSTROK	S15RXSTROK	
.d:DK	10	14	7	1	1	
.m:Missing		2	2			
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
0.no	12160	10749	11494	9118	8264	
1.yes	306	247	275	239	201	
Value-----	R1RXANGINA	R2RXANGINA	R3RXANGINA	R4RXANGINA	R5RXANGINA	
.d:DK		12	3	8	6	
.h:takes heart meds			10	8	6	
.m:Missing		65	11			
.q:not asked this wave		8222				
.r:Refuse					1	
0.no	12235	11261	16907	20248	18588	
1.yes	417	257	1060	1120	977	
Value-----	R6RXANGINA	R7RXANGINA	R8RXANGINA	R9RXANGINA	R10RXANGINA	
.d:DK	3	5	6	10	33	
.h:takes heart meds	9	23	18	22	288	
.m:Missing					114	
.s:skipped	3	11	7	13	167	
0.no	17259	19229	17615	16497	21042	
1.yes	891	861	823	675	390	
Value-----	R11RXANGINA	R12RXANGINA	R13RXANGINA	R14RXANGINA	R15RXANGINA	
.d:DK	54	80	22	27	10	
.h:takes heart meds	179	223	12	404	25	
.m:Missing	96	139	108	272	220	
.r:Refuse				1		
0.no	19801	17934	22622	16140	15084	
1.yes	424	371	522	302	384	
Value-----	S1RXANGINA	S2RXANGINA	S3RXANGINA	S4RXANGINA	S5RXANGINA	
.d:DK		5	2	3	4	
.h:takes heart meds			6	2	2	
.m:Missing		5	9			
.q:not asked this wave		4350				
.u:not coupled	2373	5976	5659	6870	6537	
.v:SP NR	379	578	416	536	311	
0.no	9612	8575	11285	13311	12179	
1.yes	288	153	614	662	545	
Value-----	S6RXANGINA	S7RXANGINA	S8RXANGINA	S9RXANGINA	S10RXANGINA	
.d:DK		2	2	2	21	
.h:takes heart meds	2	8	3	11	171	
.m:Missing					62	
.s:skipped	2	2	1	6	79	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
0.no	11126	12483	11293	10254	12967	
1.yes	502	473	429	367	208	
Value-----	S11RXANGINA	S12RXANGINA	S13RXANGINA	S14RXANGINA	S15RXANGINA	
.d:DK	26	41	10	11	4	
.h:takes heart meds	92	109	3	191	12	
.m:Missing	55	82	60	130	102	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
0.no	12074	10598	11455	8887	8188	
1.yes	229	182	250	139	160	

Value-----	R1RXCHF	R2RXCHF	R3RXCHF	R4RXCHF	R5RXCHF
.d:DK		13	6	10	5
.h:takes heart meds			36	12	17
.m:Missing		122	24		
.q:not asked this wave		8222			
.r:Refuse		1			1
0.no	12467	11331	17533	20879	19094
1.yes	185	128	392	483	461
Value-----	R6RXCHF	R7RXCHF	R8RXCHF	R9RXCHF	R10RXCHF
.d:DK	8	11	9	10	40
.h:takes heart meds	17	29	27	27	288
.m:Missing					115
.s:skipped	2	9	7	10	146
0.no	17635	19557	17844	16632	20893
1.yes	503	523	582	538	552
Value-----	R11RXCHF	R12RXCHF	R13RXCHF	R14RXCHF	R15RXCHF
.d:DK	52	75	50	24	4
.h:takes heart meds	170	191	46	298	40
.m:Missing	68	90	68	180	160
.r:Refuse				2	
0.no	19760	17871	20155	16305	15072
1.yes	504	520	593	337	447
Value-----	S1RXCHF	S2RXCHF	S3RXCHF	S4RXCHF	S5RXCHF
.d:DK		6	4	5	2
.h:takes heart meds			26	2	5
.m:Missing		5	17		
.q:not asked this wave		4350			
.r:Refuse		1			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9758	8635	11659	13701	12466
1.yes	142	91	210	270	257
Value-----	S6RXCHF	S7RXCHF	S8RXCHF	S9RXCHF	S10RXCHF
.d:DK	3	3	2	5	23
.h:takes heart meds	7	15	10	11	158
.m:Missing					55
.s:skipped		1	2	5	64
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11364	12684	11424	10369	12942
1.yes	258	265	290	250	266
Value-----	S11RXCHF	S12RXCHF	S13RXCHF	S14RXCHF	S15RXCHF
.d:DK	23	39	19	10	1
.h:takes heart meds	76	96	18	127	17
.m:Missing	30	33	25	89	71
.r:Refuse				1	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	12093	10597	11455	8991	8202
1.yes	254	247	261	140	175
Value-----	R1RXARTHR	R2RXARTHR	R3RXARTHR	R4RXARTHR	R5RXARTHR
.d:DK		17	18	30	28
.m:Missing		147	27	21	13
.q:not asked this wave		8222			
.s:skipped		3680			
0.no	10828	7435	14208	16740	14640
1.yes	1824	316	3738	4593	4897
Value-----	R6RXARTHR	R7RXARTHR	R8RXARTHR	R9RXARTHR	R10RXARTHR
.d:DK	32	35	33	47	58
.m:Missing	9	6	14	16	23
.r:Refuse		1			
0.no	13198	14861	13799	12661	16910
1.yes	4926	5226	4623	4493	5043
Value-----	R11RXARTHR				
.d:DK	43				
.m:Missing	17				
0.no	15701				

1.yes		4793				
Value-----	S1RXARTH	S2RXARTH	S3RXARTH	S4RXARTH	S5RXARTH	
.d:DK		14	3	11	7	
.m:Missing			19	14	8	
.q:not asked this wave		4350				
.s:skipped		2645				
.u:not coupled	2373	5976	5659	6870	6537	
.v:SP NR	379	578	416	536	311	
0.no	8584	5856	9724	11298	9863	
1.yes	1316	223	2170	2655	2852	
Value-----	S6RXARTH	S7RXARTH	S8RXARTH	S9RXARTH	S10RXARTH	
.d:DK	14	10	11	13	19	
.m:Missing	2	1	4	8	6	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
0.no	8720	9942	9094	8130	10691	
1.yes	2896	3015	2619	2489	2792	
Value-----	S11RXARTH					
.d:DK	19					
.m:Missing	7					
.u:not coupled	7483					
.v:SP NR	595					
0.no	9866					
1.yes	2584					
Value-----	R1RXLUNG	R2RXLUNG	R3RXLUNG	R4RXLUNG	R5RXLUNG	
.d:DK		1	4	5	3	
.m:Missing		149	11	7	5	
.q:not asked this wave		8222				
.s:skipped		528				
0.no	12277	10790	17156	20443	18624	
1.yes	375	127	820	929	946	
Value-----	R6RXLUNG	R7RXLUNG	R8RXLUNG	R9RXLUNG	R10RXLUNG	
.d:DK	3	6	5	3	32	
.m:Missing	51	71	74	77	72	
0.no	17126	18978	17291	16001	20620	
1.yes	985	1074	1099	1136	1310	
Value-----	R11RXLUNG	R12RXLUNG	R13RXLUNG	R14RXLUNG	R15RXLUNG	
.d:DK	20	28	44	7	8	
.m:Missing	96	99	111	134	130	
.r:Refuse				2	1	
0.no	19152	17437	19464	15860	14560	
1.yes	1286	1183	1293	1143	1024	
Value-----	S1RXLUNG	S2RXLUNG	S3RXLUNG	S4RXLUNG	S5RXLUNG	
.d:DK		1	3			
.m:Missing			8	3	4	
.q:not asked this wave		4350				
.s:skipped		371				
.u:not coupled	2373	5976	5659	6870	6537	
.v:SP NR	379	578	416	536	311	
0.no	9638	8288	11424	13458	12186	
1.yes	262	78	481	517	540	
Value-----	S6RXLUNG	S7RXLUNG	S8RXLUNG	S9RXLUNG	S10RXLUNG	
.d:DK		2	1		16	
.m:Missing	24	27	40	42	32	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
0.no	11082	12367	11093	9996	12781	
1.yes	526	572	594	602	679	
Value-----	S11RXLUNG	S12RXLUNG	S13RXLUNG	S14RXLUNG	S15RXLUNG	
.d:DK	9	14	21	3	4	
.m:Missing	46	52	64	63	59	
.r:Refuse					1	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
0.no	11765	10389	11113	8797	7972	
1.yes	656	557	580	495	430	

Value-----	R1RXPSYCH	R2RXPSYCH	R3RXPSYCH	R4RXPSYCH	R5RXPSYCH
.d:DK		3	2	4	10
.m:Missing		175	14	14	16
.q:not asked this wave		8222			
.r:Refuse		2			1
.s:skipped		706			
0.no	12125	10502	16858	19900	18058
1.yes	527	207	1117	1466	1493

Value-----	R6RXPSYCH	R7RXPSYCH	R8RXPSYCH	R9RXPSYCH	R10RXPSYCH
.d:DK	8	17	9	14	24
.m:Missing	109	153	177	206	155
.r:Refuse		1	1	1	1
0.no	16431	18052	16298	15109	18756
1.yes	1617	1906	1984	1887	3098

Value-----	R11RXPSYCH
.d:DK	16
.m:Missing	216
.r:Refuse	1
0.no	17326
1.yes	2995

Value-----	S1RXPSYCH	S2RXPSYCH	S3RXPSYCH	S4RXPSYCH	S5RXPSYCH
.d:DK			1	1	4
.m:Missing			6	6	7
.q:not asked this wave		4350			
.r:Refuse		1			1
.s:skipped		433			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9550	8157	11243	13108	11859
1.yes	350	147	666	863	859

Value-----	S6RXPSYCH	S7RXPSYCH	S8RXPSYCH	S9RXPSYCH	S10RXPSYCH
.d:DK	4	8	3	4	6
.m:Missing	53	66	82	95	66
.r:Refuse				1	1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	10675	11826	10559	9524	11771
1.yes	900	1068	1084	1016	1664

Value-----	S11RXPSYCH
.d:DK	8
.m:Missing	98
.r:Refuse	1
.u:not coupled	7483
.v:SP NR	595
0.no	10774
1.yes	1595

Value-----	R1TRPSYCH	R2TRPSYCH	R3TRPSYCH	R4TRPSYCH	R5TRPSYCH
.d:DK		3	2	5	5
.m:Missing		175	14	14	16
.q:not asked this wave		8222			
.r:Refuse		2		1	1
.s:skipped		705			
0.no	12376	10607	17544	20764	19010
1.yes	276	103	431	600	546

Value-----	R6TRPSYCH	R7TRPSYCH	R8TRPSYCH	R9TRPSYCH	R10TRPSYCH
.d:DK	3	4	7	6	15
.m:Missing	109	153	177	206	155
.r:Refuse		2	1	1	
0.no	17482	19199	17561	16300	20686
1.yes	569	773	723	704	1178

Value-----	R11TRPSYCH	R12TRPSYCH	R13TRPSYCH	R14TRPSYCH	R15TRPSYCH
.d:DK	11	32	26		6
.m:Missing	216	189	183	136	172
.r:Refuse		2		2	
0.no	19184	17254	19069	15238	14085
1.yes	1143	1270	1634	1770	1460

Value-----	S1TRPSYCH	S2TRPSYCH	S3TRPSYCH	S4TRPSYCH	S5TRPSYCH

.d:DK			1	2	1
.m:Missing			6	6	7
.q:not asked this wave		4350			
.r:Refuse		1			1
.s:skipped		433			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9720	8232	11661	13634	12424
1.yes	180	72	248	336	297
Value-----	S6TRPSYCH	S7TRPSYCH	S8TRPSYCH	S9TRPSYCH	S10TRPSYCH
.d:DK			2		4
.m:Missing	53	66	82	95	66
.r:Refuse	1			1	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11276	12500	11258	10184	12859
1.yes	302	402	386	360	579
Value-----	S11TRPSYCH	S12TRPSYCH	S13TRPSYCH	S14TRPSYCH	S15TRPSYCH
.d:DK	5	12	13		2
.m:Missing	98	80	73	54	78
.r:Refuse				1	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11798	10282	10954	8509	7754
1.yes	575	638	738	794	632
Value-----	R1CNCRCHEM	R2CNCRCHEM	R3CNCRCHEM	R4CNCRCHEM	R5CNCRCHEM
.d:DK		2	3		6
.m:Missing		133	9	10	9
.r:Refuse				1	
.s:skipped		491			
0.no	12537	18996	17812	21190	19291
1.yes	115	195	167	183	272
Value-----	R6CNCRCHEM	R7CNCRCHEM	R8CNCRCHEM	R9CNCRCHEM	R10CNCRCHEM
.d:DK	12	1	4		22
.m:Missing	44		74		83
.s:skipped		2349		2602	
0.no	17834	17756	18102	14612	21573
1.yes	275	23	289	3	356
Value-----	R11CNCRCHEM	R12CNCRCHEM	R13CNCRCHEM	R14CNCRCHEM	R15CNCRCHEM
.d:DK	12	12	3	2	
.m:Missing	5	90		67	2
.s:skipped	2923		1875		2507
0.no	17606	18370	18993	16853	13212
1.yes	8	275	41	224	2
Value-----	S1CNCRCHEM	S2CNCRCHEM	S3CNCRCHEM	S4CNCRCHEM	S5CNCRCHEM
.d:DK			2		3
.m:Missing			5	6	4
.s:skipped		362			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9814	12620	11795	13848	12535
1.yes	86	106	114	124	188
Value-----	S6CNCRCHEM	S7CNCRCHEM	S8CNCRCHEM	S9CNCRCHEM	S10CNCRCHEM
.d:DK	5	1	2		11
.m:Missing	27		37		41
.s:skipped		1426		1541	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11414	11528	11507	9096	13217
1.yes	186	13	182	3	239
Value-----	S11CNCRCHEM	S12CNCRCHEM	S13CNCRCHEM	S14CNCRCHEM	S15CNCRCHEM
.d:DK	7	3	1		
.m:Missing	2	48		37	
.s:skipped	1690		1092		1333
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10770	10794	10669	9193	7131
1.yes	7	167	16	128	2

Value-----	R1CNCRSURG	R2CNCRSURG	R3CNCRSURG	R4CNCRSURG	R5CNCRSURG
.d:DK		2	3		6
.m:Missing		133	9	10	9
.r:Refuse				1	
.s:skipped		491			
0.no	12513	18957	17879	21256	19126
1.yes	139	234	100	117	437
Value-----	R6CNCRSURG	R7CNCRSURG	R8CNCRSURG	R9CNCRSURG	R10CNCRSURG
.d:DK	12	1	4		22
.m:Missing	44		74		83
.s:skipped		2349		2602	
0.no	17695	17733	18037	14612	21490
1.yes	414	46	354	3	439
Value-----	R11CNCRSURG	R12CNCRSURG	R13CNCRSURG	R14CNCRSURG	R15CNCRSURG
.d:DK	12	12	3	2	
.m:Missing	5	90		67	2
.s:skipped	2923		1875		2507
0.no	17610	18266	18992	16751	13209
1.yes	4	379	42	326	5
Value-----	S1CNCRSURG	S2CNCRSURG	S3CNCRSURG	S4CNCRSURG	S5CNCRSURG
.d:DK			2		3
.m:Missing			5	6	4
.s:skipped		362			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9793	12576	11845	13897	12423
1.yes	107	150	64	75	300
Value-----	S6CNCRSURG	S7CNCRSURG	S8CNCRSURG	S9CNCRSURG	S10CNCRSURG
.d:DK	5	1	2		11
.m:Missing	27		37		41
.s:skipped		1426		1541	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11343	11512	11461	9096	13163
1.yes	257	29	228	3	293
Value-----	S11CNCRSURG	S12CNCRSURG	S13CNCRSURG	S14CNCRSURG	S15CNCRSURG
.d:DK	7	3	1		
.m:Missing	2	48		37	
.s:skipped	1690		1092		1333
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10773	10715	10661	9115	7130
1.yes	4	246	24	206	3
Value-----	R1CNCRRADN	R2CNCRRADN	R3CNCRRADN	R4CNCRRADN	R5CNCRRADN
.d:DK		2	3		6
.m:Missing		133	9	10	9
.r:Refuse				1	
.s:skipped		491			
0.no	12568	19030	17902	21265	19347
1.yes	84	161	77	108	216
Value-----	R6CNCRRADN	R7CNCRRADN	R8CNCRRADN	R9CNCRRADN	R10CNCRRADN
.d:DK	12	1	4		22
.m:Missing	44		74		83
.s:skipped		2349		2602	
0.no	17897	17762	18184	14613	21660
1.yes	212	17	207	2	269
Value-----	R11CNCRRADN	R12CNCRRADN	R13CNCRRADN	R14CNCRRADN	R15CNCRRADN
.d:DK	12	12	3	2	
.m:Missing	5	90		67	2
.s:skipped	2923		1875		2507
0.no	17610	18421	19003	16890	13213
1.yes	4	224	31	187	1
Value-----	S1CNCRRADN	S2CNCRRADN	S3CNCRRADN	S4CNCRRADN	S5CNCRRADN
.d:DK			2		3
.m:Missing			5	6	4
.s:skipped		362			

.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9842	12624	11856	13904	12578
1.yes	58	102	53	68	145
Value-----	S6CNCRRADN	S7CNCRRADN	S8CNCRRADN	S9CNCRRADN	S10CNCRRADN
.d:DK	5	1	2		11
.m:Missing	27		37		41
.s:skipped		1426		1541	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11457	11533	11552	9097	13274
1.yes	143	8	137	2	182
Value-----	S11CNCRRADN	S12CNCRRADN	S13CNCRRADN	S14CNCRRADN	S15CNCRRADN
.d:DK	7	3	1		
.m:Missing	2	48		37	
.s:skipped	1690		1092		1333
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10773	10825	10674	9222	7132
1.yes	4	136	11	99	1
Value-----	R1CNCROTHR	R2CNCROTHR	R3CNCROTHR	R4CNCROTHR	R5CNCROTHR
.d:DK		2	3		6
.m:Missing		817	9	10	9
.r:Refuse				1	
.s:skipped		496			
0.no	12605	18423	17939	21320	19546
1.yes	47	79	40	53	17
Value-----	R6CNCROTHR	R7CNCROTHR	R8CNCROTHR	R9CNCROTHR	R10CNCROTHR
.d:DK	12	1	4		22
.m:Missing	44		74		83
.s:skipped		2349		2602	
0.no	18087	17778	18322	14615	21844
1.yes	22	1	69		85
Value-----	R11CNCROTHR	R12CNCROTHR	R13CNCROTHR	R14CNCROTHR	R15CNCROTHR
.d:DK	12	12	3	2	
.m:Missing	5	90		67	2
.s:skipped	2923		1875		2507
0.no	17613	18578	19026	16986	13209
1.yes	1	67	8	91	5
Value-----	S1CNCROTHR	S2CNCROTHR	S3CNCROTHR	S4CNCROTHR	S5CNCROTHR
.d:DK		2	2		3
.m:Missing		342	5	6	4
.s:skipped		367			
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	9871	12329	11886	13935	12712
1.yes	29	50	23	37	11
Value-----	S6CNCROTHR	S7CNCROTHR	S8CNCROTHR	S9CNCROTHR	S10CNCROTHR
.d:DK	5	1	2		11
.m:Missing	27		37		41
.s:skipped		1426		1541	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11588	11540	11644	9099	13400
1.yes	12	1	45		56
Value-----	S11CNCROTHR	S12CNCROTHR	S13CNCROTHR	S14CNCROTHR	S15CNCROTHR
.d:DK	7	3	1		
.m:Missing	2	48		37	
.s:skipped	1690		1092		1333
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10776	10916	10681	9267	7129
1.yes	1	45	4	54	4
Value-----			R3CNCRMEDS	R4CNCRMEDS	R5CNCRMEDS
.d:DK			3		6
.m:Missing			9	10	9
.r:Refuse				1	



0.no			17878	21220	19417
1.yes			101	153	146
Value-----	R6CNCRMEDS	R7CNCRMEDS	R8CNCRMEDS	R9CNCRMEDS	R10CNCRMEDS
.d:DK	12	1	4		22
.m:Missing	44		74		83
.s:skipped		2349		2602	
0.no	17977	17764	18223	14613	21770
1.yes	132	15	168	2	159
Value-----	R11CNCRMEDS	R12CNCRMEDS	R13CNCRMEDS	R14CNCRMEDS	R15CNCRMEDS
.d:DK	12	12	3	2	
.m:Missing	5	90		67	2
.s:skipped	2923		1875		2507
0.no	17610	18516	19013	16924	13212
1.yes	4	129	21	153	2
Value-----			S3CNCRMEDS	S4CNCRMEDS	S5CNCRMEDS
.d:DK			2		3
.m:Missing			5	6	4
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			11844	13871	12631
1.yes			65	101	92
Value-----	S6CNCRMEDS	S7CNCRMEDS	S8CNCRMEDS	S9CNCRMEDS	S10CNCRMEDS
.d:DK	5	1	2		11
.m:Missing	27		37		41
.s:skipped		1426		1541	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11514	11535	11578	9097	13358
1.yes	86	6	111	2	98
Value-----	S11CNCRMEDS	S12CNCRMEDS	S13CNCRMEDS	S14CNCRMEDS	S15CNCRMEDS
.d:DK	7	3	1		
.m:Missing	2	48		37	
.s:skipped	1690		1092		1333
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10773	10881	10673	9234	7132
1.yes	4	80	12	87	1
Value-----			R3RXHRTAT	R4RXHRTAT	R5RXHRTAT
.d:DK			10	12	7
.h:takes heart meds			13	6	8
.m:Missing			11		
.r:Refuse					1
0.no			17554	20888	19170
1.yes			403	478	392
Value-----	R6RXHRTAT	R7RXHRTAT	R8RXHRTAT	R9RXHRTAT	R10RXHRTAT
.d:DK	4	5	7	11	34
.h:takes heart meds	12	14	16	6	806
.m:Missing					122
.s:skipped	1	11	4	12	322
0.no	17745	19721	18115	16873	20265
1.yes	403	378	327	315	485
Value-----	R11RXHRTAT	R12RXHRTAT	R13RXHRTAT	R14RXHRTAT	R15RXHRTAT
.d:DK	52	75	59	28	4
.h:takes heart meds	131	150	18	275	18
.m:Missing	169	212	150	254	246
.r:Refuse			1	1	
0.no	19887	18003	20340	16453	15245
1.yes	315	307	344	135	210
Value-----			S3RXHRTAT	S4RXHRTAT	S5RXHRTAT
.d:DK			8	7	2
.h:takes heart meds			8	4	3
.m:Missing			9		
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			11656	13673	12475
1.yes			235	294	250

Value-----	S6RXHRTAT	S7RXHRTAT	S8RXHRTAT	S9RXHRTAT	S10RXHRTAT
.d:DK	2	3	2	5	21
.h:takes heart meds	5	5	6	2	507
.m:Missing					65
.s:skipped		3		5	159
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11380	12734	11540	10439	12471
1.yes	245	223	180	189	285
Value-----	S11RXHRTAT	S12RXHRTAT	S13RXHRTAT	S14RXHRTAT	S15RXHRTAT
.d:DK	24	39	22	14	1
.h:takes heart meds	66	73	7	134	10
.m:Missing	81	107	73	127	117
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	12113	10617	11492	9015	8228
1.yes	192	176	184	68	110
Value-----			R3RXHEART	R4RXHEART	R5RXHEART
.d:DK			5	4	11
.m:Missing			2	3	2
.r:Refuse			1		
.s:skipped			612	1397	973
0.no			15003	17780	16148
1.yes			2368	2200	2444
Value-----	R6RXHEART	R7RXHEART	R8RXHEART	R9RXHEART	R10RXHEART
.d:DK			1		12
.s:skipped	588	582	588	559	632
0.no	14830	16644	15002	13869	18375
1.yes	2747	2903	2878	2789	3015
Value-----	R11RXHEART	R12RXHEART	R13RXHEART	R14RXHEART	R15RXHEART
.d:DK	62	103	70	43	23
.m:Missing	3	1	12		3
.r:Refuse		2	1	2	
0.no	17166	15570	17747	14396	13200
1.yes	3323	3071	3082	2705	2497
Value-----			S3RXHEART	S4RXHEART	S5RXHEART
.d:DK			1	2	3
.m:Missing			2	1	
.r:Refuse			1		
.s:skipped			370	754	515
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			10132	11850	10742
1.yes			1410	1371	1470
Value-----	S6RXHEART	S7RXHEART	S8RXHEART	S9RXHEART	S10RXHEART
.d:DK			1		8
.s:skipped	338	327	341	318	348
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	9668	10899	9678	8686	11388
1.yes	1626	1742	1708	1636	1764
Value-----	S11RXHEART	S12RXHEART	S13RXHEART	S14RXHEART	S15RXHEART
.d:DK	26	49	28	21	11
.m:Missing	1		1		1
.r:Refuse		1	1		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10531	9264	10132	7925	7199
1.yes	1918	1698	1616	1412	1255
Value-----				R9RXMEMORY	R10RXMEMORY
.d:DK				15	37
.m:Missing				92	20
.r:Refuse					2
0.no				16652	21500
1.yes				458	475
Value-----	R11RXMEMORY	R12RXMEMORY	R13RXMEMORY	R14RXMEMORY	R15RXMEMORY
.d:DK	33	29	35	18	18

.m:Missing		74	63	63	177	46
.r:Refuse		3	2	3	2	2
0.no		19982	18202	20370	16671	15353
1.yes		462	451	441	278	304

Value-----				S9RXMEMRY	S10RXMEMRY
.d:DK				5	13
.m:Missing				40	9
.r:Refuse					1
.u:not coupled				6212	7804
.v:SP NR				365	722
0.no				10392	13286
1.yes				203	199

Value-----		S11RXMEMRY	S12RXMEMRY	S13RXMEMRY	S14RXMEMRY	S15RXMEMRY
.d:DK		15	10	9	5	6
.m:Missing		31	28	30	82	28
.r:Refuse		1	1	1		1
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		12236	10794	11564	9156	8309
1.yes		193	179	174	115	122

## How Constructed:

These variables indicate whether the respondent takes medication or receives treatment for a condition. These variables are coded as 0.no, and 1.yes. If the respondent does not have the condition or is not currently experiencing the condition, and therefore would have no need to take medication treating it, then the variable is assigned a value of 0. AHEAD respondents in Wave 2 are not asked about taking medication for high blood pressure, stroke, angina, congestive heart failure, arthritis, lung disease, and psychiatric problem, and so RWRXHIBP, RWRXSTROK, RWRXANGINA, RWRXCHF, RWRXARTHR, RWRXLUNG, and RWRTRPSYCH are assigned special missing .q in Wave 2. In Wave 2, if respondents reported having the specific condition in the first wave, then RWRXHIBP, RWRXDIABO, RWRXDIABI, RWRXDIAB, RWRXSTROK, RWRXARTHR, RWRXLUNG, RWRXPSYCH, RWRTRPSYCH, RWCNCRCHEM, RWCCHRSURG, RWCNCRRADN, and RWCNCROTHR are not available and are assigned special missing .s. Starting in Wave 3, respondents who reported having heart problems and taking medication for their heart may not be asked about taking medication for angina, congestive heart failure, or heart attack, in which case RWRXANGINA, RWRXCHF, and RWRXHRTAT are assigned special missing .h. In Waves 3 through 10, if the respondent reported a heart problem in a previous wave and has been previously interviewed, then RWRXHEART is not available and is assigned special missing .s. In Waves 6 through 10, if the respondent reported a heart problem in a previous wave and has been previously interviewed, then RWRXANGINA, RWRXCHF, and RWRXHRTAT are not available and are assigned special missing .s. Starting in Wave 7 and continuing in the following odd numbered waves, if the respondent has been previously interviewed, then RWCNCRCHEM, RWCNCRSURG, RWCNCRRADN, RWCNCROTHR, and RWCNCRMEDS are not available and are assigned special missing .s. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RWRXHIBP indicates whether the respondent takes medication for high blood pressure. The respondent is asked about taking medication for high blood pressure after reporting a high blood pressure diagnosis.

RWRXDIABO indicates whether the respondent takes oral medication for diabetes, and RWRXDIABI indicates whether the respondent uses insulin shots or a pump for diabetes. RWRXDIAB indicates whether the respondent either takes oral medication or uses insulin shots for diabetes. The respondent is asked about taking medication for diabetes after reporting a diabetes or high blood sugar diagnosis. Starting in Wave 13, respondents are first asked whether they have been diagnosed with diabetes or high blood sugar, and if so, are then asked what stage of diabetes they are in. In Wave 13, the respondent is not asked if they take insulin shots for diabetes if they report having borderline diabetes, pre-diabetes, that their blood sugar is a little high, or they have impaired glucose tolerance, in which case RWRXDIABI is assigned special missing .s. Starting in Wave 14, the respondent is also not asked if they take oral medication or insulin shots for diabetes if they had diabetes or high blood sugar before but don't have it now and don't take medication for it, or if they report never having had diabetes or high blood sugar in the diabetes stage question, in which case RWRXDIABO and RWRXDIABI are assigned a value of 0.

RWRXSTROK indicates whether the respondent takes medication for stroke. The respondent is asked about taking medication for stroke after reporting a stroke.

RwRXANGINA indicates whether the respondent takes medication for angina. The respondent is asked about taking medication for angina after reporting a diagnosis of angina or a heart attack. Starting in Wave 3, respondents who reported having heart problems and taking medication for their heart may not be asked about taking medication for angina, in which case RwRXANGINA is assigned special missing .h. In Waves 6 through 10, if the respondent reported a heart problem in a previous wave and has been previously interviewed, then RwRXANGINA is skipped and is assigned special missing .s.

RwRXCHF indicates whether the respondent takes medication for congestive heart failure. The respondent is asked about taking medication for congestive heart failure after reporting a diagnosis of congestive heart failure. Starting in Wave 3, respondents who reported having heart problems and taking medication for their heart may not be asked about taking medication for congestive heart failure, in which case RwRXCHF is assigned special missing .h. In Waves 6 through 10, if the respondent reported a heart problem in a previous wave and has been previously interviewed, then RwRXCHF is skipped and is assigned special missing .s.

RwRXARTHR indicates whether the respondent takes medication for arthritis or rheumatism (bursitis/tendinitis included). The respondent is asked about taking medication for arthritis after reporting a diagnosis of arthritis. RwRXARTHR is not available starting in Wave 12.

RwRXLUNG indicates whether the respondent takes medication for chronic lung disease, such as chronic bronchitis or emphysema, not including asthma. The respondent is asked about taking medication for lung disease after reporting a diagnosis of lung disease.

RwRXPSYCH indicates whether the respondent takes medication for an emotional, nervous or psychiatric problem. The respondent is asked about taking medication for psychiatric conditions after reporting a diagnosis of a psychiatric condition. In Waves 1 and 2, respondents are asked if they take tranquilizers, sleeping pills, antidepressants, or pills for nerves. In Waves 3 through 11, respondents are asked if they take tranquilizers, antidepressants, or pills for nerves. RwRXPSYCH is not available starting in Wave 12.

RwTRPSYCH indicates whether the respondent receives treatment for an emotional, nervous or psychiatric problem. The respondent is asked about receiving treatment for psychiatric conditions after reporting a diagnosis of a psychiatric condition. Starting in Wave 14, the variable indicates whether the respondent receives treatment for an emotional, nervous or psychiatric problem or whether they receive treatment for depression, asked in separate questions.

RwCNCRCHEM indicates whether the respondent receives chemotherapy or medication for the treatment of cancer. The respondent is presented with a list of cancer treatments and asked which treatment(s) for cancer they have received after reporting a diagnosis of cancer. If the respondent has been diagnosed with cancer but has not been treated for cancer, RwCNCRCHEM is set to 0. Starting in Wave 7 and continuing in the odd numbered waves, previously interviewed respondents are not asked about their cancer treatments, and are assigned special missing .s.

RwCNCRSURG indicates whether the respondent had surgery or a biopsy for the treatment of cancer. The respondent is presented with a list of cancer treatments and asked which treatment(s) for cancer they have received after reporting a diagnosis of cancer. If the respondent has been diagnosed with cancer but has not been treated for cancer, RwCNCRSURG is set to 0. Starting in Wave 7 and continuing in the odd numbered waves, previously interviewed respondents are not asked about their cancer treatments, and are assigned special missing .s.

RwCNCRRADN indicates whether the respondent had radiation or x-ray for the treatment of cancer. The respondent is presented with a list of cancer treatments and asked which treatment(s) for cancer they have received after reporting a diagnosis of cancer. If the respondent has been diagnosed with cancer but has not been treated for cancer, RwCNCRRADN is set to 0. Starting in Wave 7 and continuing in the odd numbered waves, previously interviewed respondents are not asked about their cancer treatments, and are assigned special missing .s.

RwCNCROTHR indicates whether the respondent had another unspecified type of treatment for cancer. The respondent is presented with a list of cancer treatments, which includes a choice of "other", and asked which treatment(s) for cancer they have received after reporting a diagnosis of cancer. If the respondent has been diagnosed with cancer but has not been treated for cancer, RwCNCROTHR is set to 0. Starting in Wave 7 and continuing in the odd numbered waves, previously interviewed respondents are not asked about their cancer treatments, and are assigned special missing .s.

RwCNCRMEDS indicates whether the respondent receives medications or treatment for symptoms (pain, nausea, rashes) for the treatment of cancer. The respondent is presented with a list of cancer treatments and asked which treatment(s) for cancer they have received after reporting a diagnosis of cancer. If the respondent has been diagnosed with cancer but has not been treated for cancer, RwCNCRMEDS is set to 0. Starting in Wave 7 and continuing in the odd numbered waves, previously interviewed respondents are not asked about their cancer treatments, and are assigned special missing .s. RwCNCRMEDS is available starting in Wave 3.

RwRXHRTAT indicates whether the respondent takes medication for a heart attack or myocardial infarction. The respondent is asked about taking medication for heart attack after reporting a diagnosis of a heart attack. RwRXHRTAT is available starting in Wave 3. Starting in Wave 3, respondents who reported having heart problems and taking medication for their heart may not be asked about taking medication for heart attack, in which case RxRXHRTAT is assigned special missing .h. In Waves 6 through 10, if the respondent reported a heart problem in a previous wave and has been previously interviewed, then RwRXHRTAT is skipped and is assigned special missing .s.

RwRXHEART indicates whether the respondent takes medication for heart problems. The respondent is asked about taking medication for heart problems after reporting a diagnosis of a heart problem. RwRXHEART is available starting in Wave 3. In Waves 3 through 10, if the respondent reported a heart problem in a previous wave and has been previously interviewed, then RwRXHEART is skipped and is assigned special missing .s.

RwRXMEMRY in Wave 9 indicates whether the respondent takes medication for a memory-related disease. In Wave 10 and onward, RwRXMEMRY indicates whether the respondent takes medication for a memory-related disease (Alzheimer's or dementia). The respondent is asked about receiving treatment for a memory-related disease after reporting a diagnosis of a memory-related disease in Wave 9, or reporting a diagnosis of Alzheimer's or dementia in Wave 10 and onward. RwRXMEMRY is available starting in Wave 9.

SwRXHIBP, SwRXDIABO, SwRXDIABI, SwRXDIAB, SwRXSTROK, SwRXANGINA, SwRXCHF, SwRXARTHR, SwRXLUNG, SwRXPSYCH, SwTRPSYCH, SwCNCRCHEM, SwCNCRSURG, SwCNCRRADN, SwCNCROTHR, SwCNCRMEDS, SwRXHRTAT, SwRXHEART, and SwRXMEMRY indicate whether the respondent's current wave's spouse takes medication or receives treatment for the specified condition, and are taken from corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In Waves 1 and 2, respondents are asked if they take tranquilizers, sleeping pills, antidepressants, or pills for nerves when inquiring about taking medication for psychiatric conditions. In Waves 3 through 11, respondents are asked if they take tranquilizers, antidepressants, or pills for nerves when inquiring about taking medication for psychiatric conditions.

Respondents are asked about taking medication for heart attack and heart problems starting in Wave 3.

AHEAD respondents in Wave 2 are not asked about taking medication for high blood pressure, stroke, angina, congestive heart failure, arthritis, lung disease, and psychiatric problem, and so SwRXHIBP, SwRXSTROK, SwRXANGINA, SwRXCHF, SwRXARTHR, SwRXLUNG, and SwTRPSYCH are assigned special missing .q in Wave 2.

In Wave 2, if respondents reported having the specific condition in the first wave, then respondents are not asked about taking medication for high blood pressure, oral medication or insulin for diabetes, stroke, arthritis, lung disease, psychiatric treatment, and various cancer treatments, and so SwRXHIBP, SwRXDIABO, SwRXDIABI, SwRXDIAB, SwRXSTROK, SwRXARTHR, SwRXLUNG, SwRXPSYCH, SwTRPSYCH, SwCNCRCHEM, SwCHCRSURG, SwCNCRRADN, and SwCNCROTHR are assigned special missing .s.

Starting in Wave 3, respondents who reported having heart problems and taking medication for their heart may not be asked about taking medication for angina, congestive heart failure, or heart attack, in which case SwRXANGINA, SwRXCHF, and RxRXHRTAT are assigned special missing .h. In Waves 3 through 10, if the respondent reported a heart problem in a previous wave and has been previously interviewed, then the respondent is not asked about taking heart medication and RwRXHEART is assigned special missing .s. In

Waves 6 through 10, if the respondent reported a heart problem in a previous wave and has been previously interviewed, then the respondent is not asked about taking medication for angina, congestive heart failure, and heart attack, and RWRXANGINA, RWRXCHF, and RWRXHRTAT are assigned special missing .s.

In Wave 13, respondents who report having a condition other than diabetes when asked about their stage of diabetes or high blood sugar are not asked whether they take insulin for diabetes, and so RWRXDIABI is assigned special missing .s.

In Waves 14 and 15, the variable RWRTRPSYCH indicates whether the respondent receives psychiatric or psychological treatment for psychiatric conditions and for depression (asked in separate questions), whilst the previous waves only recorded whether they received treatment for psychiatric conditions.

Starting in Wave 14, the HRS has adjusted the questions asking whether the respondent takes medication for high blood pressure, diabetes, psychiatric conditions, depression, heart conditions, or Alzheimer's disease/dementia by allowing the respondent to report that they never had the condition or that they had the condition before but do not have it now and do not take medication for it. In either case, the corresponding variable is assigned a value of 0 if these answer options are selected by the respondent.

Respondents begin to be asked about taking medication for cancer treatment in Wave 3. In Waves 1 and 2, respondents with cancer diagnoses were only asked about receiving chemotherapy/medication, surgery or biopsy, radiation/x-ray, no treatments, or other treatments. In Waves 3 through 10, respondents with cancer diagnoses are asked about receiving chemotherapy or medication, surgery or biopsy, radiation/x-ray, medication, no treatments, or other treatments. Starting in Wave 11, respondents with cancer diagnoses are asked about receiving chemotherapy, surgery, radiation, medications, biopsy, x-ray, other treatments, and no treatments. Thus starting in Wave 11, biopsy and x-ray are treated as separate categories and not combined with surgery and radiation, respectively, as was done in previous waves. Starting in Wave 7 and continuing in the odd numbered waves, previously interviewed respondents are not asked about their cancer treatments. In these cases, RWCNRCHEM, RWCNCRSURG, RWCNCRRADN, RWCNCRMEDS, and RWCNCROTHR are assigned special missing .s.

Respondents are asked questions about taking medication for memory-related disease starting in Wave 9. In Wave 9, RWRXMEMORY is coded as 0 if the respondent does not report a memory-related disease. In Wave 10 and onward, RWRXMEMORY is coded as 0 if the respondent does not report an Alzheimer's disease or dementia diagnosis, but is still asked if they take medication for a memory-related disease.

Respondents are no longer asked about taking medications for arthritis or psychiatric conditions starting in Wave 12.

## HRS Variables Used:

### RAND HRS:

R10ALZHE	r10alzhe:w10	r reports alzheimer this wv
R10ARTHR	r10arthr:w10	r reports arthritis this wv
R10CANCRE	r10cancre:w10	r ever had cancer
R10DEMENE	r10demene:w10	r ever reported dementia
R10DIAB	r10diab:w10	r reports diabetes this wv
R10HEARTE	r10hearte:w10	r ever had heart problems
R10HIBP	r10hibp:w10	r reports high bp this wv
R10LUNG	r10lung:w10	r reports lung disease this wv
R10PSYCH	r10psych:w10	r reports psych prob this wv
R10STROK	r10strok:w10	r reports stroke this wv
R11ALZHE	r11alzhe:w11	r reports alzheimer this wv
R11ARTHR	r11arthr:w11	r reports arthritis this wv
R11CANCRE	r11cancre:w11	r ever had cancer
R11DEMENE	r11demene:w11	r ever reported dementia
R11DIAB	r11diab:w11	r reports diabetes this wv
R11HEARTE	r11hearte:w11	r ever had heart problems
R11HIBP	r11hibp:w11	r reports high bp this wv
R11LUNG	r11lung:w11	r reports lung disease this wv
R11PSYCH	r11psych:w11	r reports psych prob this wv
R11STROK	r11strok:w11	r reports stroke this wv
R12ALZHE	r12alzhe:w12	r reports alzheimer this wv
R12ARTHR	r12arthr:w12	r reports arthritis this wv

R12CANCRE r12cancre:w12 r ever had cancer  
R12DEMENE r12demene:w12 r ever reported dementia  
R12DIAB r12diab:w12 r reports diabetes this wv  
R12HEARTE r12hearte:w12 r ever had heart problems  
R12HIBP r12hibp:w12 r reports high bp this wv  
R12LUNG r12lung:w12 r reports lung disease this wv  
R12PSYCH r12psych:w12 r reports psych prob this wv  
R12STROK r12strok:w12 r reports stroke this wv  
R13ALZHE r13alzhe:w13 r reports alzheimer this wv  
R13ARTHR r13arthr:w13 r reports arthritis this wv  
R13CANCRE r13cancre:w13 r ever had cancer  
R13DEMENE r13demene:w13 r ever reported dementia  
R13DIAB r13diab:w13 r reports diabetes this wv  
R13HEARTE r13hearte:w13 r ever had heart problems  
R13HIBP r13hibp:w13 r reports high bp this wv  
R13LUNG r13lung:w13 r reports lung disease this wv  
R13PSYCH r13psych:w13 r reports psych prob this wv  
R13STROK r13strok:w13 r reports stroke this wv  
R14ALZHE r14alzhe:w14 r reports alzheimer this wv  
R14ARTHR r14arthr:w14 r reports arthritis this wv  
R14CANCRE r14cancre:w14 r ever had cancer  
R14DEMENE r14demene:w14 r ever reported dementia  
R14DIAB r14diab:w14 r reports diabetes this wv  
R14HEARTE r14hearte:w14 r ever had heart problems  
R14HIBP r14hibp:w14 r reports high bp this wv  
R14LUNG r14lung:w14 r reports lung disease this wv  
R14PSYCH r14psych:w14 r reports psych prob this wv  
R14STROK r14strok:w14 r reports stroke this wv  
R15ALZHE r15alzhe:w15 r reports alzheimer this wv  
R15ARTHR r15arthr:w15 r reports arthritis this wv  
R15CANCRE r15cancre:w15 r ever had cancer  
R15DEMENE r15demene:w15 r ever reported dementia  
R15DIAB r15diab:w15 r reports diabetes this wv  
R15HEARTE r15hearte:w15 r ever had heart problems  
R15HIBP r15hibp:w15 r reports high bp this wv  
R15LUNG r15lung:w15 r reports lung disease this wv  
R15PSYCH r15psych:w15 r reports psych prob this wv  
R15STROK r15strok:w15 r reports stroke this wv  
R1ARTHR r1arthr:w1 r reports arthritis this wv  
R1CANCRE r1cancre:w1 r ever had cancer  
R1DIAB r1diab:w1 r reports diabetes this wv  
R1HEARTE r1hearte:w1 r ever had heart problems  
R1HIBP r1hibp:w1 r reports high bp this wv  
R1LUNG r1lung:w1 r reports lung disease this wv  
R1PSYCH r1psych:w1 r reports psych prob this wv  
R1STROK r1strok:w1 r reports stroke this wv  
R2ARTHR r2arthr:w2 r reports arthritis this wv  
R2CANCRE r2cancre:w2 r ever had cancer  
R2DIAB r2diab:w2 r reports diabetes this wv  
R2HEARTE r2hearte:w2 r ever had heart problems  
R2HIBP r2hibp:w2 r reports high bp this wv  
R2LUNG r2lung:w2 r reports lung disease this wv  
R2PSYCH r2psych:w2 r reports psych prob this wv  
R2STROK r2strok:w2 r reports stroke this wv  
R3ARTHR r3arthr:w3 r reports arthritis this wv  
R3CANCRE r3cancre:w3 r ever had cancer  
R3DIAB r3diab:w3 r reports diabetes this wv  
R3HEARTE r3hearte:w3 r ever had heart problems  
R3HIBP r3hibp:w3 r reports high bp this wv  
R3LUNG r3lung:w3 r reports lung disease this wv  
R3PSYCH r3psych:w3 r reports psych prob this wv  
R3STROK r3strok:w3 r reports stroke this wv  
R4ARTHR r4arthr:w4 r reports arthritis this wv

R4CANCRE r4cancre:w4 r ever had cancer  
R4DIAB r4diab:w4 r reports diabetes this wv  
R4HEARTE r4hearte:w4 r ever had heart problems  
R4HIBP r4hibp:w4 r reports high bp this wv  
R4LUNG r4lung:w4 r reports lung disease this wv  
R4PSYCH r4psych:w4 r reports psych prob this wv  
R4STROK r4strok:w4 r reports stroke this wv  
R5ARTHR r5arthr:w5 r reports arthritis this wv  
R5CANCRE r5cancre:w5 r ever had cancer  
R5DIAB r5diab:w5 r reports diabetes this wv  
R5HEARTE r5hearte:w5 r ever had heart problems  
R5HIBP r5hibp:w5 r reports high bp this wv  
R5LUNG r5lung:w5 r reports lung disease this wv  
R5PSYCH r5psych:w5 r reports psych prob this wv  
R5STROK r5strok:w5 r reports stroke this wv  
R6ARTHR r6arthr:w6 r reports arthritis this wv  
R6CANCRE r6cancre:w6 r ever had cancer  
R6DIAB r6diab:w6 r reports diabetes this wv  
R6HEARTE r6hearte:w6 r ever had heart problems  
R6HIBP r6hibp:w6 r reports high bp this wv  
R6LUNG r6lung:w6 r reports lung disease this wv  
R6PSYCH r6psych:w6 r reports psych prob this wv  
R6STROK r6strok:w6 r reports stroke this wv  
R7ARTHR r7arthr:w7 r reports arthritis this wv  
R7CANCRE r7cancre:w7 r ever had cancer  
R7DIAB r7diab:w7 r reports diabetes this wv  
R7HEARTE r7hearte:w7 r ever had heart problems  
R7HIBP r7hibp:w7 r reports high bp this wv  
R7LUNG r7lung:w7 r reports lung disease this wv  
R7PSYCH r7psych:w7 r reports psych prob this wv  
R7STROK r7strok:w7 r reports stroke this wv  
R8ARTHR r8arthr:w8 r reports arthritis this wv  
R8CANCRE r8cancre:w8 r ever had cancer  
R8DIAB r8diab:w8 r reports diabetes this wv  
R8HEARTE r8hearte:w8 r ever had heart problems  
R8HIBP r8hibp:w8 r reports high bp this wv  
R8LUNG r8lung:w8 r reports lung disease this wv  
R8PSYCH r8psych:w8 r reports psych prob this wv  
R8STROK r8strok:w8 r reports stroke this wv  
R9ARTHR r9arthr:w9 r reports arthritis this wv  
R9CANCRE r9cancre:w9 r ever had cancer  
R9DIAB r9diab:w9 r reports diabetes this wv  
R9HEARTE r9hearte:w9 r ever had heart problems  
R9HIBP r9hibp:w9 r reports high bp this wv  
R9LUNG r9lung:w9 r reports lung disease this wv  
R9MEMRYE r9memrye:w9 r ever had memory problem  
R9PSYCH r9psych:w9 r reports psych prob this wv  
R9STROK r9strok:w9 r reports stroke this wv

## Wave 1:

V326 b6a:taking hbp med :imp  
V335 b8c:meds you swallow:imp  
V336 b8d:insulin injectio: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  
V402 b15a:taking med for :imp  
V410 b17a:meds for chest :imp  
V412 b18a:taking meds for:imp



V421	b22d:meds for stroke:imp
V423	b24:psych probs last:imp
V424	b24a:psych treatment:imp
V425	b24b:use tranq/antid:imp
V428	b25b:meds-arthr/rheu:imp
Wave 2 AHEAD:	
B219	b4. diabetes: now
B223	b4a.diabetes: swallow medication
B224	b4b.diabetes: insulin
B232A1	b5b. cancer treatment type-1
B232A2	b5b. cancer treatment type-2
B232A3	b5b. cancer treatment type-3
B232A4	b5b. cancer treatment type-4
BN_INHH	ahd w1: # r's responding in hhold
Wave 2 HRS:	
W329	b6b.taking meds for high
W337	b8c.oral medication
W338	b8d.insulin injections
W344	1: b12.seen a doctor
W345	1: b13.treatments
W346	1: b13.treatments
W347	1: b13.treatments
W354	2: b12.seen a doctor
W355	2: b13.treatments
W356	2: b13.treatments
W357	2: b13.treatments
W363	b14a.medication/treatmen
W372	b16a.medications for che
W374	b17a.medications for hea
W383	b21d.medication for stro
W385	b23a.psychiatric treatme
W386	b23b.medication for nerv
W389	b24b.medication for arth
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D113	w1 heart v244/245/252
D370	w1 interv
D782	b3a. hp medication
D789	b4a.diabetes swallowed
D790	b4b.diabetes-insulin
D803	b5b. past cancer treated
D804M1	b5c. cancer treatment
D804M2	b5c. cancer treatment
D804M3	b5c. cancer treatment
D804M4	b5c. cancer treatment
D823	b6b. lung medication
D829	b7a. heart medication
D830	b7b. heart seen dr
D834	b7d. heart attack
D837	b7f. heart attack medication
D841	b7j. angina medication
D845	b7n. congestive medication
D850	b9a. stroke doctor
D851	b9b. stroke problems
D856	b9g. stroke medication
D863	b10b. psych in year
D864	b10c. psych medication
D870	b11d.arthritis medication
DN_INHH	dn_inhh: # r's responding in hhold
Wave 3 HRS:	
E113	prev wave heart v244/245/252
E370	prev wave interv
E782	b3a. hp medication

E789 b4a.diabetes swallowed  
 E790 b4b.diabetes-insulin  
 E803 b5b. past cancer treated  
 E804M1 b5c. cancer treatment  
 E804M2 b5c. cancer treatment  
 E804M3 b5c. cancer treatment  
 E804M4 b5c. cancer treatment  
 E823 b6b. lung medication  
 E829 b7a. heart medication  
 E830 b7b. heart seen dr  
 E834 b7d. heart attack  
 E837 b7f. heart attack medication  
 E841 b7j. angina medication  
 E845 b7n. congestive medication  
 E850 b9a. stroke doctor  
 E851 b9b. stroke problems  
 E856 b9g. stroke medication  
 E863 b10b. psych treatment  
 E864 b10c. psych medication  
 E870 b11d.arthritis medication  
 EN\_INHH hrs w3: # r's responding in hhold

## Wave 4:

F1110 b3a. hp medication  
 F1117 b4a.diabetes swallowed  
 F1118 b4b.diabetes-insulin  
 F1131 b5b. past cancer treated  
 F1132M1 b5c. cancer treatment  
 F1132M2 b5c. cancer treatment  
 F1132M3 b5c. cancer treatment  
 F1132M4 b5c. cancer treatment  
 F1151 b6b. lung medication  
 F1157 b7a. heart medication  
 F1162 b7d. heart attack  
 F1165 b7f. heart attack medication  
 F1168 b7i. angina  
 F1169 b7j. angina medication  
 F1173 b7n. congestive medication  
 F1178 b9a. stroke doctor  
 F1179 b9b. stroke problems  
 F1184 b9g. stroke medication  
 F1191 b10b. psych in year  
 F1192 b10c. psych medication  
 F1198 b11d.arthritis medication

## Wave 5:

G1239 b3a. hbp medication  
 G1248 b4a.diabetes swallowed  
 G1249 b4b.diabetes-insulin  
 G1264 b5b. past cancer treated  
 G1265M1 b5c. cancer treatment  
 G1265M2 b5c. cancer treatment  
 G1265M3 b5c. cancer treatment  
 G1265M4 b5c. cancer treatment  
 G1284 b6b. lung medication  
 G1290 b7a. heart medication  
 G1295 b7d. heart attack  
 G1298 b7f. heart attack medication  
 G1301 b7i. angina  
 G1302 b7j. angina medication  
 G1304 b7kb. congestive heart  
 G1306 b7n. congestive medication  
 G1311 b9a. stroke doctor  
 G1312 b9b. stroke problems  
 G1317 b9g. stroke medication

G1324	b10b. psych in year
G1325	b10c. psych medication
G1331	b11d.arthritis medication
G234	pr234.prev wave heart
G6969	m10-3a. hp medication
G753	cs22y30.previous wave interv
Wave 6:	
HC006	blood pressure medication
HC011	swallowed medication for diabetes
HC012	taking insulin - diabetes
HC020	past cancer treated
HC021M1	cancer treatment-type- 1
HC021M2	cancer treatment-type- 2
HC021M3	cancer treatment-type- 3
HC021M4	cancer treatment-type- 4
HC021M5	cancer treatment-type- 5
HC032	lung medication
HC036	heart condition
HC037	heart medication
HC042	heart attack medication
HC046	angina medication
HC050	congestive heart failure medication
HC054	r seen doctor for stroke
HC055	stroke problems
HC060	stroke medication
HC067	psychiatric treatment
HC068	psychiatric medication
HC074	arthritis medication
HZ076	r ever interviewed
HZ105	prev wave r has heart problems
Wave 7:	
JC006	blood pressure medication
JC011	swallowed medication for diabetes
JC012	taking insulin - diabetes
JC020	past cancer treated
JC021M1	cancer treatment-type- 1
JC021M2	cancer treatment-type- 2
JC021M3	cancer treatment-type- 3
JC021M4	cancer treatment-type- 4
JC032	lung medication
JC036	heart condition
JC037	heart medication
JC042	heart attack medication
JC046	angina medication
JC050	congestive heart failure medication
JC054	r seen doctor for stroke
JC055	stroke problems
JC060	stroke medication
JC067	psychiatric treatment
JC068	psychiatric medication
JC074	arthritis medication
JZ076	r ever interviewed
JZ105	prev wave r has heart problems
Wave 8:	
KC006	blood pressure medication
KC011	swallowed medication for diabetes
KC012	taking insulin - diabetes
KC020	past cancer treated
KC021M1	cancer treatment-type- 1
KC021M2	cancer treatment-type- 2
KC021M3	cancer treatment-type- 3
KC021M4	cancer treatment-type- 4
KC021M5	cancer treatment-type

KC032 lung medication  
KC036 heart condition  
KC037 heart medication  
KC042 heart attack medication  
KC046 angina medication  
KC050 congestive heart failure medication  
KC054 r seen doctor for stroke  
KC055 stroke problems  
KC060 stroke medication  
KC067 psychiatric treatment  
KC068 psychiatric medication  
KC074 arthritis medication  
KZ076 r ever interviewed  
KZ105 prev wave r has heart problems

## Wave 9:

LC006 blood pressure medication  
LC011 swallowed medication for diabetes  
LC012 taking insulin - diabetes  
LC020 past cancer treated  
LC021M1 cancer treatment-type- 1  
LC021M2 cancer treatment-type- 2  
LC021M3 cancer treatment-type- 3  
LC021M4 cancer treatment-type- 4  
LC032 lung medication  
LC036 heart condition  
LC037 heart medication  
LC042 heart attack medication  
LC046 angina medication  
LC050 congestive heart failure medication  
LC054 r seen doctor for stroke  
LC055 stroke problems  
LC060 stroke medication  
LC067 psychiatric treatment  
LC068 psychiatric medication  
LC074 arthritis medication  
LC210 prescription for memory problem  
LZ076 r ever interviewed  
LZ105 prev wave r has heart problems

## Wave 10:

MC006 blood pressure medication  
MC011 swallowed medication for diabetes  
MC012 taking insulin - diabetes  
MC020 past cancer treated  
MC021M1 cancer treatment-type- 1  
MC021M2 cancer treatment-type- 2  
MC021M3 cancer treatment-type- 3  
MC021M4 cancer treatment-type- 4  
MC021M5 cancer treatment-type -5  
MC032 lung medication  
MC036 heart condition  
MC037 heart medication  
MC042 heart attack medication  
MC046 angina medication  
MC050 congestive heart failure medication  
MC054 r seen doctor for stroke  
MC055 stroke problems  
MC060 stroke medication  
MC067 psychiatric treatment  
MC068 psychiatric medication  
MC074 arthritis medication  
MC210 prescription for memory problem  
MZ076 r ever interviewed  
MZ105 prev wave r has heart problems

## Wave 11:

NC006 blood pressure medication  
NC011 swallowed medication for diabetes  
NC012 taking insulin - diabetes  
NC020 past cancer treated  
NC021M1 cancer treatment-type- 1  
NC021M2 cancer treatment-type- 2  
NC021M3 cancer treatment-type- 3  
NC021M4 cancer treatment-type- 4  
NC021M5 cancer treatment-type -5  
NC032 lung medication  
NC036 heart condition  
NC037 heart medication  
NC042 heart attack medication  
NC046 angina medication  
NC050 congestive heart failure medication  
NC054 r seen doctor for stroke  
NC055 stroke problems  
NC060 stroke medication  
NC067 psychiatric treatment  
NC068 psychiatric medication  
NC074 arthritis medication  
NC210 prescription for memory problem  
NZ076 r ever interviewed  
NZ105 prev wave r has heart problems

## Wave 12:

OC006 blood pressure medication  
OC011 swallowed medication for diabetes  
OC012 taking insulin - diabetes  
OC020 past cancer treated  
OC021M1 cancer treatment-type- 1  
OC021M2 cancer treatment-type- 2  
OC021M3 cancer treatment-type- 3  
OC021M4 cancer treatment-type- 4  
OC021M5 cancer treatment-type -5  
OC021M6 cancer treatment-type -6  
OC021M7 cancer treatment-type -7  
OC032 lung medication  
OC037 heart medication  
OC042 heart attack medication  
OC046 angina medication  
OC050 congestive heart failure medication  
OC054 r seen doctor for stroke  
OC055 stroke problems  
OC060 stroke medication  
OC067 psychiatric treatment  
OC210 prescription for memory problem  
OZ076 r ever interviewed  
OZ105 prev wave r has heart problems

## Wave 13:

PC006 blood pressure medication  
PC011 swallowed medication for diabetes  
PC012 taking insulin - diabetes  
PC020 past cancer treated  
PC021M1 cancer treatment-type- 1  
PC021M2 cancer treatment-type- 2  
PC021M3 cancer treatment-type- 3  
PC021M4 cancer treatment-type- 4  
PC021M5 cancer treatment-type- 5  
PC021M6 cancer treatment-type- 6  
PC021M7 cancer treatment-type- 7  
PC032 lung medication  
PC037 heart medication

PC042 heart attack medication  
PC046 angina medication  
PC050 congestive heart failure medication  
PC054 r seen doctor for stroke  
PC055 stroke problems  
PC060 stroke medication  
PC067 psychiatric treatment  
PC210 prescription for memory problem  
PC232U1 branchpoint for c232y  
PZ076 r ever interviewed  
PZ105 prev wave r has heart problems

## Wave 14:

QC006 blood pressure medication  
QC011 swallowed medication for diabetes  
QC012 taking insulin - diabetes  
QC020 past cancer treated  
QC021M1 cancer treatment-type- 1  
QC021M2 cancer treatment-type- 2  
QC021M3 cancer treatment-type- 3  
QC021M4 cancer treatment-type- 4  
QC021M5 cancer treatment-type- 5  
QC021M6 cancer treatment-type- 6  
QC021M7 cancer treatment-type- 7  
QC032 lung medication  
QC037 heart medication  
QC042 heart attack medication  
QC046 angina medication  
QC050 congestive heart failure medication  
QC054 r seen doctor for stroke  
QC055 stroke problems  
QC060 stroke medication  
QC184 psychiatric treatment  
QC210 prescription for memory problem  
QC232U1 branchpoint for c232y  
QC300 depression treatment  
QZ076 r ever interviewed  
QZ105 prev wave r has heart problems

## Wave 15:

RC006 blood pressure medication  
RC011 swallowed medication for diabetes  
RC012 taking insulin - diabetes  
RC020 past cancer treated  
RC021M1 cancer treatment-type- 1  
RC021M2 cancer treatment-type- 2  
RC021M3 cancer treatment-type- 3  
RC021M4 cancer treatment-type- 4  
RC021M5 cancer treatment-type- 5  
RC021M6 cancer treatment-type- 6  
RC021M7 cancer treatment-type- 7  
RC032 lung medication  
RC037 heart medication  
RC042 heart attack medication  
RC046 angina medication  
RC050 congestive heart failure medication  
RC054 r seen doctor for stroke  
RC055 stroke problems  
RC060 stroke medication  
RC184 psychiatric treatment  
RC210 prescription for memory problem  
RC232U1 branchpoint for c232y  
RC300 depression treatment  
RZ076 r ever interviewed  
RZ105 prev wave r has heart problems

<b>Doctor Diagnosed Diseases: Age When Diagnosed</b>
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Wave	Variable	Label	Type
0A	RADIAGDIAB	radiagdiab: r age first diagnosed with diabetes	Cont
01	S1DIAGDIAB	s1diagdiab:w1 s age first diagnosed with diabetes	Cont
07	S7DIAGDIAB	s7diagdiab:w7 s age first diagnosed with diabetes	Cont
08	S8DIAGDIAB	s8diagdiab:w8 s age first diagnosed with diabetes	Cont
09	S9DIAGDIAB	s9diagdiab:w9 s age first diagnosed with diabetes	Cont
10	S10DIAGDIAB	s10diagdiab:w10 s age first diagnosed with diabetes	Cont
11	S11DIAGDIAB	s11diagdiab:w11 s age first diagnosed with diabetes	Cont
12	S12DIAGDIAB	s12diagdiab:w12 s age first diagnosed with diabetes	Cont
13	S13DIAGDIAB	s13diagdiab:w13 s age first diagnosed with diabetes	Cont
14	S14DIAGDIAB	s14diagdiab:w14 s age first diagnosed with diabetes	Cont
15	S15DIAGDIAB	s15diagdiab:w15 s age first diagnosed with diabetes	Cont
01	R1RECCANCR	r1reccancr:w1 r age most recent cancer diagnosis	Cont
02	R2RECCANCR	r2reccancr:w2 r age most recent cancer diagnosis	Cont
03	R3RECCANCR	r3reccancr:w3 r age most recent cancer diagnosis	Cont
04	R4RECCANCR	r4reccancr:w4 r age most recent cancer diagnosis	Cont
05	R5RECCANCR	r5reccancr:w5 r age most recent cancer diagnosis	Cont
06	R6RECCANCR	r6reccancr:w6 r age most recent cancer diagnosis	Cont
07	R7RECCANCR	r7reccancr:w7 r age most recent cancer diagnosis	Cont
08	R8RECCANCR	r8reccancr:w8 r age most recent cancer diagnosis	Cont
09	R9RECCANCR	r9reccancr:w9 r age most recent cancer diagnosis	Cont
10	R10RECCANCR	r10reccancr:w10 r age most recent cancer diagnosis	Cont
11	R11RECCANCR	r11reccancr:w11 r age most recent cancer diagnosis	Cont
12	R12RECCANCR	r12reccancr:w12 r age most recent cancer diagnosis	Cont
13	R13RECCANCR	r13reccancr:w13 r age most recent cancer diagnosis	Cont
14	R14RECCANCR	r14reccancr:w14 r age most recent cancer diagnosis	Cont
15	R15RECCANCR	r15reccancr:w15 r age most recent cancer diagnosis	Cont
01	S1RECCANCR	s1reccancr:w1 s age most recent cancer diagnosis	Cont
02	S2RECCANCR	s2reccancr:w2 s age most recent cancer diagnosis	Cont
03	S3RECCANCR	s3reccancr:w3 s age most recent cancer diagnosis	Cont
04	S4RECCANCR	s4reccancr:w4 s age most recent cancer diagnosis	Cont
05	S5RECCANCR	s5reccancr:w5 s age most recent cancer diagnosis	Cont
06	S6RECCANCR	s6reccancr:w6 s age most recent cancer diagnosis	Cont
07	S7RECCANCR	s7reccancr:w7 s age most recent cancer diagnosis	Cont
08	S8RECCANCR	s8reccancr:w8 s age most recent cancer diagnosis	Cont
09	S9RECCANCR	s9reccancr:w9 s age most recent cancer diagnosis	Cont
10	S10RECCANCR	s10reccancr:w10 s age most recent cancer diagnosis	Cont
11	S11RECCANCR	s11reccancr:w11 s age most recent cancer diagnosis	Cont
12	S12RECCANCR	s12reccancr:w12 s age most recent cancer diagnosis	Cont
13	S13RECCANCR	s13reccancr:w13 s age most recent cancer diagnosis	Cont
14	S14RECCANCR	s14reccancr:w14 s age most recent cancer diagnosis	Cont
15	S15RECCANCR	s15reccancr:w15 s age most recent cancer diagnosis	Cont
01	R1RECHRTATT	r1rechrtatt:w1 r age most recent heart attack	Cont
02	R2RECHRTATT	r2rechrtatt:w2 r age most recent heart attack	Cont
03	R3RECHRTATT	r3rechrtatt:w3 r age most recent heart attack	Cont
04	R4RECHRTATT	r4rechrtatt:w4 r age most recent heart attack	Cont
05	R5RECHRTATT	r5rechrtatt:w5 r age most recent heart attack	Cont
06	R6RECHRTATT	r6rechrtatt:w6 r age most recent heart attack	Cont
07	R7RECHRTATT	r7rechrtatt:w7 r age most recent heart attack	Cont
08	R8RECHRTATT	r8rechrtatt:w8 r age most recent heart attack	Cont
09	R9RECHRTATT	r9rechrtatt:w9 r age most recent heart attack	Cont
10	R10RECHRTATT	r10rechrtatt:w10 r age most recent heart attack	Cont
11	R11RECHRTATT	r11rechrtatt:w11 r age most recent heart attack	Cont
12	R12RECHRTATT	r12rechrtatt:w12 r age most recent heart attack	Cont

13	R13RECHRTATT	r13rechrtatt:w13 r age most recent heart attack	Cont
14	R14RECHRTATT	r14rechrtatt:w14 r age most recent heart attack	Cont
15	R15RECHRTATT	r15rechrtatt:w15 r age most recent heart attack	Cont
01	S1RECHRTATT	s1rechrtatt:w1 s age most recent heart attack	Cont
02	S2RECHRTATT	s2rechrtatt:w2 s age most recent heart attack	Cont
03	S3RECHRTATT	s3rechrtatt:w3 s age most recent heart attack	Cont
04	S4RECHRTATT	s4rechrtatt:w4 s age most recent heart attack	Cont
05	S5RECHRTATT	s5rechrtatt:w5 s age most recent heart attack	Cont
06	S6RECHRTATT	s6rechrtatt:w6 s age most recent heart attack	Cont
07	S7RECHRTATT	s7rechrtatt:w7 s age most recent heart attack	Cont
08	S8RECHRTATT	s8rechrtatt:w8 s age most recent heart attack	Cont
09	S9RECHRTATT	s9rechrtatt:w9 s age most recent heart attack	Cont
10	S10RECHRTATT	s10rechrtatt:w10 s age most recent heart attack	Cont
11	S11RECHRTATT	s11rechrtatt:w11 s age most recent heart attack	Cont
12	S12RECHRTATT	s12rechrtatt:w12 s age most recent heart attack	Cont
13	S13RECHRTATT	s13rechrtatt:w13 s age most recent heart attack	Cont
14	S14RECHRTATT	s14rechrtatt:w14 s age most recent heart attack	Cont
15	S15RECHRTATT	s15rechrtatt:w15 s age most recent heart attack	Cont
01	R1RECSTROK	r1recstrok:w1 r age most recent stroke	Cont
02	R2RECSTROK	r2recstrok:w2 r age most recent stroke	Cont
03	R3RECSTROK	r3recstrok:w3 r age most recent stroke	Cont
04	R4RECSTROK	r4recstrok:w4 r age most recent stroke	Cont
05	R5RECSTROK	r5recstrok:w5 r age most recent stroke	Cont
06	R6RECSTROK	r6recstrok:w6 r age most recent stroke	Cont
07	R7RECSTROK	r7recstrok:w7 r age most recent stroke	Cont
08	R8RECSTROK	r8recstrok:w8 r age most recent stroke	Cont
09	R9RECSTROK	r9recstrok:w9 r age most recent stroke	Cont
10	R10RECSTROK	r10recstrok:w10 r age most recent stroke	Cont
11	R11RECSTROK	r11recstrok:w11 r age most recent stroke	Cont
12	R12RECSTROK	r12recstrok:w12 r age most recent stroke	Cont
13	R13RECSTROK	r13recstrok:w13 r age most recent stroke	Cont
14	R14RECSTROK	r14recstrok:w14 r age most recent stroke	Cont
15	R15RECSTROK	r15recstrok:w15 r age most recent stroke	Cont
01	S1RECSTROK	s1recstrok:w1 s age most recent stroke	Cont
02	S2RECSTROK	s2recstrok:w2 s age most recent stroke	Cont
03	S3RECSTROK	s3recstrok:w3 s age most recent stroke	Cont
04	S4RECSTROK	s4recstrok:w4 s age most recent stroke	Cont
05	S5RECSTROK	s5recstrok:w5 s age most recent stroke	Cont
06	S6RECSTROK	s6recstrok:w6 s age most recent stroke	Cont
07	S7RECSTROK	s7recstrok:w7 s age most recent stroke	Cont
08	S8RECSTROK	s8recstrok:w8 s age most recent stroke	Cont
09	S9RECSTROK	s9recstrok:w9 s age most recent stroke	Cont
10	S10RECSTROK	s10recstrok:w10 s age most recent stroke	Cont
11	S11RECSTROK	s11recstrok:w11 s age most recent stroke	Cont
12	S12RECSTROK	s12recstrok:w12 s age most recent stroke	Cont
13	S13RECSTROK	s13recstrok:w13 s age most recent stroke	Cont
14	S14RECSTROK	s14recstrok:w14 s age most recent stroke	Cont
15	S15RECSTROK	s15recstrok:w15 s age most recent stroke	Cont
0A	RAFHRHTATT	rafrhrtatt: r age first heart attack	Cont
10	S10FRHRTATT	s10frhrtatt:w10 s age first heart attack	Cont
11	S11FRHRTATT	s11frhrtatt:w11 s age first heart attack	Cont
12	S12FRHRTATT	s12frhrtatt:w12 s age first heart attack	Cont
13	S13FRHRTATT	s13frhrtatt:w13 s age first heart attack	Cont
14	S14FRHRTATT	s14frhrtatt:w14 s age first heart attack	Cont
15	S15FRHRTATT	s15frhrtatt:w15 s age first heart attack	Cont
0A	RADIAGCHF	radiagchf: r age first diagnosed with congestive heart failu	Cont



10	S10DIAGCHF	s10diagchf:w10	s age first diagnosed with congestive heart f	Cont
11	S11DIAGCHF	s11diagchf:w11	s age first diagnosed with congestive heart f	Cont
12	S12DIAGCHF	s12diagchf:w12	s age first diagnosed with congestive heart f	Cont
13	S13DIAGCHF	s13diagchf:w13	s age first diagnosed with congestive heart f	Cont
14	S14DIAGCHF	s14diagchf:w14	s age first diagnosed with congestive heart f	Cont
15	S15DIAGCHF	s15diagchf:w15	s age first diagnosed with congestive heart f	Cont
0A	RADIAGHRTR	radiaghrtr:	r age first diagnosed with abnormal heart rhythm	Cont
10	S10DIAGHRTR	s10diaghrtr:w10	s age first diagnosed with abnormal heart rh	Cont
11	S11DIAGHRTR	s11diaghrtr:w11	s age first diagnosed with abnormal heart rh	Cont
12	S12DIAGHRTR	s12diaghrtr:w12	s age first diagnosed with abnormal heart rh	Cont
13	S13DIAGHRTR	s13diaghrtr:w13	s age first diagnosed with abnormal heart rh	Cont
14	S14DIAGHRTR	s14diaghrtr:w14	s age first diagnosed with abnormal heart rh	Cont
15	S15DIAGHRTR	s15diaghrtr:w15	s age first diagnosed with abnormal heart rh	Cont
0A	RADIAGANGIN	radiagangin:	r age first diagnosed with angina	Cont
10	S10DIAGANGIN	s10diagangin:w10	s age first diagnosed with angina	Cont
11	S11DIAGANGIN	s11diagangin:w11	s age first diagnosed with angina	Cont
12	S12DIAGANGIN	s12diagangin:w12	s age first diagnosed with angina	Cont
13	S13DIAGANGIN	s13diagangin:w13	s age first diagnosed with angina	Cont
14	S14DIAGANGIN	s14diagangin:w14	s age first diagnosed with angina	Cont
15	S15DIAGANGIN	s15diagangin:w15	s age first diagnosed with angina	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADIAGDIAB	9538	57.09	13.60	0.00	98.00
S1DIAGDIAB	1022	47.37	10.93	5.00	75.00
S7DIAGDIAB	2311	56.58	12.58	2.00	90.00
S8DIAGDIAB	2406	57.32	12.38	2.00	91.00
S9DIAGDIAB	2418	58.17	12.21	5.00	91.00
S10DIAGDIAB	3124	55.95	12.53	2.00	93.00
S11DIAGDIAB	3081	56.02	12.28	2.00	93.00
S12DIAGDIAB	2893	56.15	12.15	2.00	93.00
S13DIAGDIAB	2778	54.54	12.25	2.00	87.00
S14DIAGDIAB	2269	54.45	12.06	2.00	87.00
S15DIAGDIAB	2030	54.12	11.60	2.00	86.00
R1RECCANCR	702	47.93	10.97	0.00	84.00
R2RECCANCR	809	50.46	10.99	0.00	79.00
R3RECCANCR	1140	57.73	15.10	0.00	99.00
R4RECCANCR	1828	59.52	14.54	0.00	99.00
R5RECCANCR	2011	60.77	14.16	0.00	94.00
R6RECCANCR	2249	61.90	13.82	0.00	94.00
R7RECCANCR	2572	61.59	14.09	4.00	97.00
R8RECCANCR	2699	62.30	13.63	0.00	96.00
R9RECCANCR	2793	63.10	13.44	0.00	96.00
R10RECCANCR	3195	61.28	14.14	0.00	99.00
R11RECCANCR	3246	62.06	13.94	4.00	100.00
R12RECCANCR	3137	62.00	13.70	4.00	100.00
R13RECCANCR	3204	60.60	14.30	4.00	97.00
R14RECCANCR	2835	61.20	13.94	4.00	98.00
R15RECCANCR	2739	61.23	13.77	4.00	95.00
S1RECCANCR	535	48.14	11.22	0.00	84.00
S2RECCANCR	563	50.22	11.27	10.00	79.00
S3RECCANCR	802	56.53	14.12	10.00	92.00
S4RECCANCR	1232	58.26	13.76	10.00	93.00
S5RECCANCR	1326	59.65	13.57	0.00	94.00

S6RECCANCR	1452	60.70	13.06	0.00	94.00
S7RECCANCR	1625	60.66	13.28	4.00	92.00
S8RECCANCR	1667	61.56	12.88	0.00	94.00
S9RECCANCR	1691	62.26	12.65	0.00	94.00
S10RECCANCR	1940	60.49	13.60	0.00	91.00
S11RECCANCR	1901	61.15	13.20	4.00	92.00
S12RECCANCR	1770	61.13	12.85	4.00	93.00
S13RECCANCR	1739	60.06	13.30	4.00	95.00
S14RECCANCR	1538	60.63	12.97	4.00	95.00
S15RECCANCR	1446	60.78	13.05	4.00	92.00
R1RECHRTATT	752	51.12	8.24	14.00	78.00
R2RECHRTATT	809	53.26	8.31	17.00	84.00
R3RECHRTATT	1063	59.74	12.97	17.00	95.00
R4RECHRTATT	1332	62.51	13.08	17.00	100.00
R5RECHRTATT	1431	64.08	12.57	25.00	97.00
R6RECHRTATT	1518	65.09	12.24	26.00	96.00
R7RECHRTATT	1574	65.29	12.08	26.00	99.00
R8RECHRTATT	1565	65.79	11.88	26.00	98.00
R9RECHRTATT	1572	66.28	11.60	26.00	97.00
R10RECHRTATT	1527	63.26	12.19	13.00	95.00
R11RECHRTATT	1429	62.61	11.85	13.00	95.00
R12RECHRTATT	1273	62.05	11.59	17.00	96.00
R13RECHRTATT	1353	61.03	12.49	1.00	98.00
R14RECHRTATT	1083	60.68	12.21	1.00	96.00
R15RECHRTATT	1036	60.94	12.30	1.00	95.00
S1RECHRTATT	584	51.60	8.04	17.00	78.00
S2RECHRTATT	568	53.17	8.09	17.00	83.00
S3RECHRTATT	713	57.99	11.71	17.00	95.00
S4RECHRTATT	862	60.34	11.73	28.00	95.00
S5RECHRTATT	911	61.82	11.25	28.00	89.00
S6RECHRTATT	949	62.60	10.88	29.00	90.00
S7RECHRTATT	978	62.79	10.67	29.00	91.00
S8RECHRTATT	941	63.02	10.41	29.00	90.00
S9RECHRTATT	929	63.89	10.49	29.00	97.00
S10RECHRTATT	896	61.38	11.32	13.00	90.00
S11RECHRTATT	826	61.08	10.97	13.00	89.00
S12RECHRTATT	720	60.52	10.80	17.00	94.00
S13RECHRTATT	732	60.01	11.55	17.00	92.00
S14RECHRTATT	584	59.64	11.62	17.00	92.00
S15RECHRTATT	542	60.28	11.85	17.00	94.00
R1RECSTROK	394	51.19	9.96	6.00	74.00
R2RECSTROK	440	53.07	9.77	6.00	75.00
R3RECSTROK	758	63.45	14.44	6.00	98.00
R4RECSTROK	1161	65.39	14.06	6.00	100.00
R5RECSTROK	1234	66.29	13.70	6.00	97.00
R6RECSTROK	1323	67.31	13.70	6.00	102.00
R7RECSTROK	1422	66.51	13.89	6.00	97.00
R8RECSTROK	1436	66.59	13.57	6.00	99.00
R9RECSTROK	1458	67.19	13.56	6.00	98.00
R10RECSTROK	1681	64.69	14.14	3.00	96.00
R11RECSTROK	1713	65.32	14.09	3.00	100.00
R12RECSTROK	1599	65.10	13.87	1.00	102.00
R13RECSTROK	1652	62.76	14.22	3.00	96.00
R14RECSTROK	1454	63.17	14.39	3.00	101.00
R15RECSTROK	1326	63.30	14.15	3.00	102.00
S1RECSTROK	296	51.52	10.46	6.00	74.00
S2RECSTROK	306	52.84	10.70	6.00	75.00
S3RECSTROK	476	61.39	13.56	21.00	90.00
S4RECSTROK	664	62.45	12.77	6.00	93.00

S5RECSTROK	689	63.17	12.24	6.00	95.00
S6RECSTROK	704	64.00	11.88	6.00	91.00
S7RECSTROK	755	63.49	12.39	6.00	92.00
S8RECSTROK	779	63.76	12.46	22.00	93.00
S9RECSTROK	757	64.66	12.48	21.00	97.00
S10RECSTROK	853	62.70	13.05	3.00	92.00
S11RECSTROK	836	63.42	12.84	3.00	94.00
S12RECSTROK	772	63.23	12.53	3.00	96.00
S13RECSTROK	781	61.55	13.23	3.00	96.00
S14RECSTROK	668	62.29	13.51	3.00	93.00
S15RECSTROK	594	62.11	13.28	3.00	94.00
RAFRHRTATT	2594	62.14	14.05	1.00	97.00
S10FRHRTATT	968	59.46	12.62	2.00	94.00
S11FRHRTATT	1022	60.19	12.34	13.00	93.00
S12FRHRTATT	916	60.11	12.08	17.00	93.00
S13FRHRTATT	760	57.84	11.96	17.00	85.00
S14FRHRTATT	650	59.20	12.52	17.00	87.00
S15FRHRTATT	519	57.83	12.42	17.00	85.00
RADIAGCHF	1942	67.21	14.53	0.00	101.00
S10DIAGCHF	501	63.32	12.54	23.00	96.00
S11DIAGCHF	567	63.93	12.33	23.00	91.00
S12DIAGCHF	529	63.69	12.29	23.00	91.00
S13DIAGCHF	412	60.87	12.42	3.00	87.00
S14DIAGCHF	396	63.96	13.21	3.00	93.00
S15DIAGCHF	280	61.43	13.01	3.00	91.00
RADIAGHRTR	2390	56.59	19.40	0.00	101.00
S10DIAGHRTR	1225	57.05	18.35	0.00	93.00
S11DIAGHRTR	1050	56.46	18.01	0.00	93.00
S12DIAGHRTR	852	54.92	17.88	0.00	91.00
S13DIAGHRTR	781	51.73	17.72	0.00	88.00
S14DIAGHRTR	593	51.50	17.27	0.00	84.00
S15DIAGHRTR	500	50.37	16.78	0.00	86.00
RADIAGANGIN	1446	59.93	14.49	6.00	100.00
S10DIAGANGIN	476	56.71	12.87	11.00	94.00
S11DIAGANGIN	531	58.44	12.90	12.00	90.00
S12DIAGANGIN	522	58.13	12.81	12.00	87.00
S13DIAGANGIN	442	56.13	12.28	16.00	85.00
S14DIAGANGIN	383	57.40	13.01	16.00	86.00
S15DIAGANGIN	321	56.04	12.72	16.00	84.00

### How Constructed:

RADIAGDIAB indicates the age at which the respondent was first diagnosed with diabetes. Respondents are asked the year in which they were first diagnosed with diabetes, and these responses are converted to their age at diagnosis. RADIAGDIAB is asked in Wave 1, is skipped for Waves 2 through 6, and is asked again starting in Wave 7. As such RADIAGDIAB is assigned special missing .q in Waves 2 through 6. Respondents who have never been diagnosed with diabetes are not asked this question and are assigned a special missing code .x. If the age first diagnosed with diabetes is provided in multiple waves, the first provided age is used. If the calculated age is greater than the respondent's current age, then RADIAGDIAB is assigned special missing .i. The respondent is not asked if they take insulin shots for diabetes if they report having borderline diabetes, pre-diabetes, that their blood sugar is a little high, or they have impaired glucose tolerance, in which case RADIAGDIAB is assigned special missing .s. Don't know, refused, or other missing responses of RADIAGDIAB are assigned special missing codes .d, .r, and .m, respectively.

SwDIAGDIAB indicates the age at which the respondent's current wave's spouse was first diagnosed with diabetes, and is taken from RADIAGDIAB. In addition to the special missing codes employed by RADIAGDIAB, SwDIAGDIAB employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwRECCANCR indicates the most recent age at which the respondent was diagnosed with cancer. Respondents are asked the year in which they were most recently diagnosed with cancer, and these responses are converted to their age at diagnosis. Previous responses are carried forward if the respondent does not report a new cancer diagnosis. Respondents who have never been diagnosed with cancer are not asked this question and are assigned a special missing code .x. Respondents in the AHEAD sample in Wave 2 are not asked this question and are assigned special missing code .q in Wave 2. Starting in Wave 3, respondents are assigned special missing .n if they report a previous or current cancer diagnosis but report not seeing a doctor for their cancer or not receiving any cancer treatments in the past 2 years. RwRECCANCR is set to special missing .i if the calculated age is below 0 or greater than their current age. Don't know, refused, or other missing responses of RwRECCANCR are assigned special missing codes .d, .r, and .m, respectively. RwRECCANCR is set to plain missing (.) for respondents who did not participate in the current Wave.

SwRECCANCR indicates the most recent age at which the respondent's current wave's spouse was diagnosed with cancer, and is taken from RwRECCANCR. In addition to the special missing codes employed by RwRECCANCR, SwRECCANCR employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwRECHRTATT indicates the most recent age at which the respondent had a heart attack. Respondents are asked the year in which they were most recently diagnosed with a heart attack, and these responses are converted to their age at diagnosis. Responses are carried forward from previous waves if the respondent did not report a new heart attack. Respondents who have never had a heart attack are not asked this question and are assigned a special missing code .x. Respondents in the AHEAD sample in Wave 2 are not asked this question and are assigned special missing code .q in Wave 2. Starting in Wave 10, respondents who had been previously interviewed are not asked this question and are assigned special missing .s. Starting in Wave 10, RwRECHRTATT takes the value of the respondent's age of first heart attack if the respondent reports having only 1 heart attack in their lifetime. RwRECHRTATT is set to special missing .i if the calculated age is greater than their current age. Don't know, refused, or other missing responses of RwRECHRTATT are assigned special missing codes .d, .r, and .m, respectively. RwRECHRTATT is set to plain missing (.) for respondents who did not participate in the current wave.

SwRECHRTATT indicates the most recent age at which the respondent's current wave's spouse had a heart attack, and is taken from RwRECHRTATT. In addition to the special missing codes employed by RwRECHRTATT, SwRECHRTATT employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwRECSTROK indicates the most recent age at which the respondent had a stroke. Respondents are asked the year in which they were diagnosed with their most recent stroke, and these responses are converted to their age at diagnosis. Responses are carried forward from previous waves if the respondent did not report a new stroke. Respondents who have never had a stroke are not asked this question and are assigned a special missing code .x. Respondents in the AHEAD sample in Wave 2 are not asked this question and are assigned special missing code .q in Wave 2. If the calculation of age from the year of diagnosis and year of birth results in a negative number or an age greater than their current age, then RwRECSTROK is assigned special missing .i. If the respondent reports having a suspected stroke or transient ischemic attack (TIA) and the question is skipped, then RwRECSTROK is assigned special missing .t. Don't know, refused, or other missing responses of RwRECSTROK are assigned special missing codes .d, .r, and .m, respectively. RwRECSTROK is set to plain missing (.) for respondents who did not participate in the current wave.

SwRECSTROK indicates the most recent age at which the respondent's current wave's spouse had a stroke, and is taken from RwRECSTROK. In addition to the special missing codes employed by RwRECSTROK, SwRECSTROK employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RAFRHRTATT indicates the age at which the respondent had their first heart attack. Respondents are asked the year in which they were first diagnosed with a heart attack, and these responses are converted to their age at diagnosis. RAFRHRTATT is available starting in Wave 10, and so is assigned special missing .q in Waves 1 through 9. Respondents who have never had a heart attack are not asked this question and are assigned a special missing code .x. If the age of first heart attack is provided in multiple waves, the first provided age is used. RAFRHRTATT is set to special missing .i if the calculated age is greater than their current age. Respondents who had been previously interviewed are not asked this question and are assigned special missing .s. Don't know, refused, or other missing responses of RAFRHRTATT are assigned special missing codes .d, .r, and .m, respectively. RAFRHRTATT is set to plain missing (.) for respondents who did not participate in any of the waves that ask this question.

SwFRHRTATT indicates the age at which the respondent's current wave's spouse had their first attack, and is taken from RAFRHRTATT. In addition to the special missing codes employed by RAFRHRTATT, SwFRHRTATT employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RADIAGCHF indicates the age at which the respondent was first diagnosed with congestive heart failure. Respondents are asked the year in which they were first diagnosed with congestive heart failure, and these responses are converted to their age at diagnosis. RADIAGCHF is available starting in Wave 10, and so is assigned special missing .q in Waves 1 through 9. If the age first diagnosed with congestive heart failure is provided in multiple waves, the first provided age is used. If the calculation of age from the year of diagnosis and year of birth results in a negative number or an age that is greater than their current age, then RADIAGCHF is assigned special missing .i. Respondents who had been previously interviewed are not asked this question and are assigned special missing .s. Don't know, refused, or other missing responses of RADIAGCHF are assigned special missing codes .d, .r, and .m, respectively. RADIAGCHF is set to plain missing (.) for respondents who did not participate in any of the waves that ask this question.

SwDIAGCHF indicates the age at which the respondent's current wave's spouse was first diagnosed with congestive heart failure, and is taken from RADIAGCHF. In addition to the special missing codes employed by RADIAGCHF, SwDIAGCHF employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RADIAGHRTR indicates the age at which the respondent was first diagnosed with abnormal heart rhythm. Respondents are asked the year in which they were first diagnosed with abnormal heart rhythm, and these responses are converted to their age at diagnosis. RADIAGHRTR is available starting in Wave 10, and so is assigned special missing .q in Waves 1 through 9. If the age first diagnosed with abnormal heart rhythm is provided in multiple waves, the first provided age is used. RADIAGHRTR is set to special missing .i if the calculated age is greater than their current age. Respondents who had been previously interviewed are not asked this question and are assigned special missing .s. Don't know, refused, or other missing responses of RADIAGHRTR are assigned special missing codes .d, .r, and .m, respectively. RADIAGHRTR is set to plain missing (.) for respondents who did not participate in any of the waves that ask this question.

SwDIAGHRTR indicates the age at which the respondent's current wave's spouse was first diagnosed with abnormal heart rhythm, and is taken from RADIAGHRTR. In addition to the special missing codes employed by RADIAGHRTR, SwDIAGHRTR employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RADIAGANGIN indicates the age at which the respondent was first diagnosed with angina. Respondents are asked the year in which they were first diagnosed with angina, and these responses are converted to their age at diagnosis. RADIAGANGIN is available starting in Wave 10, and so is assigned special missing .q in Waves 1 through 9. If the age first diagnosed with angina is provided in multiple waves, the first provided age is used. RADIAGANGIN is set to special missing .i if the calculated age is greater than their current age. Respondents who had been previously interviewed are not asked this question and are assigned special missing .s. Don't know, refused, or other missing responses of RADIAGANGIN are assigned special missing codes .d, .r, and .m, respectively. RADIAGANGIN is set to plain missing (.) for respondents who did not participate in any of the waves that ask this question.

SwDIAGANGIN indicates the age at which the respondent's current wave's spouse was first diagnosed with angina, and is taken from RADIAGANGIN. In addition to the special missing codes employed by RADIAGANGIN, SwDIAGANGIN employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that there may be extreme values for the age at first diagnosis or most recent event and these have been left to the discretion of the user.

## Cross Wave Differences in HRS

Respondents are asked when they were diagnosed with diabetes in Wave 1 and Wave 7 and onward, and so RADIAGDIAB is available in Wave 1, is unavailable for Waves 2 through 6, and is available again starting in Wave 7.

Respondents in the AHEAD sample in Wave 2 are not asked when their most recent cancer diagnosis, heart attack or stroke occurred, and so RwRECCANCR, RwRECHRTATT, and RwRECSTROK are assigned special missing code .q in Wave 2.

Starting in Wave 10, respondents who had been previously interviewed are not asked when their most recent heart attack occurred, and so RwRECHRTATT is assigned special missing .s. Starting in Wave 10, respondents are not asked when their most recent heart attack occurred if they report a value for when their first heart attack occurred and they report only having one heart attack in their lifetime, and so RwRECHRTATT takes the value of age at the respondent's first heart attack. Starting in Wave 10, RwRECHRTATT is created using two variables, whereas previous waves only used one variable.

Respondents are asked questions about when their first heart attack, diagnosis of congestive heart failure, diagnosis of abnormal heart rhythm, and diagnosis of angina occurred beginning in Wave 10. Respondents who had been previously interviewed are not asked these questions and are assigned special missing .s.

## HRS Variables Used:

### RAND HRS:

R10CANCRE	r10cancre:w10	r ever had cancer
R10DIABE	r10diabe:w10	r ever had diabetes
R10HEARTE	r10hearte:w10	r ever had heart problems
R10IWENDY	r10iwendy:w10	interview end year
R10STROKE	r10stroke:w10	r ever had stroke
R11CANCRE	r11cancre:w11	r ever had cancer
R11DIABE	r11diabe:w11	r ever had diabetes
R11HEARTE	r11hearte:w11	r ever had heart problems
R11IWENDY	r11iwendy:w11	interview end year
R11STROKE	r11stroke:w11	r ever had stroke
R12CANCRE	r12cancre:w12	r ever had cancer
R12DIABE	r12diabe:w12	r ever had diabetes
R12HEARTE	r12hearte:w12	r ever had heart problems
R12IWENDY	r12iwendy:w12	interview end year
R12STROKE	r12stroke:w12	r ever had stroke
R13CANCRE	r13cancre:w13	r ever had cancer
R13DIABE	r13diabe:w13	r ever had diabetes
R13HEARTE	r13hearte:w13	r ever had heart problems
R13IWENDY	r13iwendy:w13	interview end year
R13STROKE	r13stroke:w13	r ever had stroke
R14CANCRE	r14cancre:w14	r ever had cancer
R14DIABE	r14diabe:w14	r ever had diabetes
R14HEARTE	r14hearte:w14	r ever had heart problems
R14IWENDY	r14iwendy:w14	interview end year
R14STROKE	r14stroke:w14	r ever had stroke
R15CANCRE	r15cancre:w15	r ever had cancer
R15DIABE	r15diabe:w15	r ever had diabetes
R15HEARTE	r15hearte:w15	r ever had heart problems

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R15IWENDY      r15iwendy:w15 interview end year
R15STROKE      r15stroke:w15 r ever had stroke
R1CANCRE       r1cancre:w1  r ever had cancer
R1DIABE        r1diabe:w1  r ever had diabetes
R1HEARTE       r1hearte:w1  r ever had heart problems
R1IWENDY       r1iwendy:w1  interview end year
R1STROKE       r1stroke:w1  r ever had stroke
R2CANCRE       r2cancre:w2  r ever had cancer
R2HEARTE       r2hearte:w2  r ever had heart problems
R2IWENDY       r2iwendy:w2  interview end year
R2STROKE       r2stroke:w2  r ever had stroke
R3CANCRE       r3cancre:w3  r ever had cancer
R3HEARTE       r3hearte:w3  r ever had heart problems
R3IWENDY       r3iwendy:w3  interview end year
R3STROKE       r3stroke:w3  r ever had stroke
R4CANCRE       r4cancre:w4  r ever had cancer
R4HEARTE       r4hearte:w4  r ever had heart problems
R4IWENDY       r4iwendy:w4  interview end year
R4STROKE       r4stroke:w4  r ever had stroke
R5CANCRE       r5cancre:w5  r ever had cancer
R5HEARTE       r5hearte:w5  r ever had heart problems
R5IWENDY       r5iwendy:w5  interview end year
R5STROKE       r5stroke:w5  r ever had stroke
R6CANCRE       r6cancre:w6  r ever had cancer
R6HEARTE       r6hearte:w6  r ever had heart problems
R6IWENDY       r6iwendy:w6  interview end year
R6STROKE       r6stroke:w6  r ever had stroke
R7CANCRE       r7cancre:w7  r ever had cancer
R7DIABE        r7diabe:w7  r ever had diabetes
R7HEARTE       r7hearte:w7  r ever had heart problems
R7IWENDY       r7iwendy:w7  interview end year
R7STROKE       r7stroke:w7  r ever had stroke
R8CANCRE       r8cancre:w8  r ever had cancer
R8DIABE        r8diabe:w8  r ever had diabetes
R8HEARTE       r8hearte:w8  r ever had heart problems
R8IWENDY       r8iwendy:w8  interview end year
R8STROKE       r8stroke:w8  r ever had stroke
R9CANCRE       r9cancre:w9  r ever had cancer
R9DIABE        r9diabe:w9  r ever had diabetes
R9HEARTE       r9hearte:w9  r ever had heart problems
R9IWENDY       r9iwendy:w9  interview end year
R9STROKE       r9stroke:w9  r ever had stroke
RABYEAR        rabyear: r birth year

Wave 1:
V329           b7a:year 1st diagnos:imp
V339           b10:year last cancer:imp
V408           b16b:1st hrt attk/mi:imp
V418           b22a:year of stroke :imp

Wave 2 AHEAD:
BN_INHH        ahd w1: # r's responding in hhold

Wave 2 HRS:
W342           1: b10.year diagnosed
W370           b15b.heart attack-year
W380           b21a.stroke-year
WN_INHH        hrs w2: # in hhold (r1/r2 only)

Wave 3 AHEAD:
D802           b5a. doctor past cancer
D803           b5b. past cancer treated
D806           b5e. new cancer?
D814           b5k.year recent cancer
D839           b7y.year recent heartattack
D860           b9n.year recent stroke
DN_INHH        dn_inhh: # r's responding in hhold

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## Wave 3 HRS:

E802 b5a. doctor past cancer  
E803 b5b. past cancer treated  
E806 b5e. new cancer?  
E814 b5k.year recent cancer  
E839 b7y.year recent heartattack  
E860 b9n.year recent stroke  
EN\_INHH hrs w3: # r's responding in hhold

## Wave 4:

F1129 b5.cancer  
F1130 b5a. doctor past cancer  
F1131 b5b. past cancer treated  
F1141 b5j.year recent cancer  
F1166 b7g.year recent heartattack  
F1188 b9n.year recent stroke

## Wave 5:

G1262 b5.cancer  
G1263 b5a. doctor past cancer  
G1264 b5b. past cancer treated  
G1267 b5e. new cancer?  
G1274 b5j.year recent cancer  
G1299 b7g.year recent heartattack  
G1321 b9n.year recent stroke

## Wave 6:

HC018 cancer of any kind excluding skin  
HC019 r seen doc concerning cancer  
HC020 past cancer treated  
HC024 new cancer excluding skin  
HC028 year recent cancer  
HC043 yr recent heart attack  
HC064 most recent stroke-year

## Wave 7:

JC018 cancer of any kind excluding skin  
JC019 r seen doc concerning cancer  
JC020 past cancer treated  
JC024 new cancer excluding skin  
JC028 year recent cancer  
JC043 yr recent heart attack  
JC064 most recent stroke-year  
JC214 year diabetes first diagnosed  
JZ204 first year r was diagnosed with diabetes

## Wave 8:

KC018 cancer of any kind excluding skin  
KC019 r seen doc concerning cancer  
KC020 past cancer treated  
KC024 new cancer excluding skin  
KC028 year recent cancer  
KC043 yr recent heart attack  
KC064 most recent stroke-year  
KC214 year diabetes first diagnosed  
KZ204 first year r was diagnosed with diabetes

## Wave 9:

LC018 cancer of any kind excluding skin  
LC019 r seen doc concerning cancer  
LC020 past cancer treated  
LC024 new cancer excluding skin  
LC028 year recent cancer  
LC043 yr recent heart attack  
LC064 most recent stroke-year  
LC214 year diabetes first diagnosed  
LZ204 first year r was diagnosed with diabetes

## Wave 10:

MC018 cancer of any kind excluding skin



MC019 r seen doc concerning cancer  
MC020 past cancer treated  
MC024 new cancer excluding skin  
MC028 year recent cancer  
MC043 yr recent heart attack  
MC064 most recent stroke-year  
MC214 year diabetes first diagnosed  
MC258 year first had heart attack  
MC261 year had first angina  
MC264 year first had heart failure  
MC267 year first had abnormal heart rhythm  
MC276 year of most recent heart attack  
MZ076 r ever interviewed  
MZ204 first year r was diagnosed with diabetes

## Wave 11:

NC018 cancer of any kind excluding skin  
NC019 r seen doc concerning cancer  
NC020 past cancer treated  
NC024 new cancer excluding skin  
NC028 year recent cancer  
NC043 yr recent heart attack  
NC064 most recent stroke-year  
NC214 year diabetes first diagnosed  
NC258 year first had heart attack  
NC261 year had first angina  
NC264 year first had heart failure  
NC267 year first had abnormal heart rhythm  
NC276 year of most recent heart attack  
NZ076 r ever interviewed  
NZ204 first year r was diagnosed with diabetes

## Wave 12:

OC018 cancer of any kind excluding skin  
OC019 r seen doc concerning cancer  
OC020 past cancer treated  
OC024 new cancer excluding skin  
OC028 year recent cancer  
OC043 yr recent heart attack  
OC064 most recent stroke-year  
OC214 year diabetes first diagnosed  
OC258 year first had heart attack  
OC261 year had first angina  
OC264 year first had heart failure  
OC267 year first had abnormal heart rhythm  
OC276 year of most recent heart attack  
OZ076 r ever interviewed  
OZ204 first year r was diagnosed with diabetes

## Wave 13:

PC018 cancer of any kind excluding skin  
PC019 r seen doc concerning cancer  
PC020 past cancer treated  
PC024 new cancer excluding skin  
PC028 year recent cancer  
PC043 yr recent heart attack  
PC064 most recent stroke-year  
PC214 year diabetes first diagnosed  
PC258 year first had heart attack  
PC261 year had first angina  
PC264 year first had heart failure  
PC267 year first had abnormal heart rhythm  
PC276 year of most recent heart attack  
PZ076 r ever interviewed  
PZ204 first year r was diagnosed with diabetes

## Wave 14:

QC018 cancer of any kind excluding skin  
QC019 r seen doc concerning cancer  
QC020 past cancer treated  
QC024 new cancer excluding skin  
QC028 year recent cancer  
QC043 yr recent heart attack  
QC064 most recent stroke-year  
QC214 year diabetes first diagnosed  
QC258 year first had heart attack  
QC261 year had first angina  
QC264 year first had heart failure  
QC267 year first had abnormal heart rhythm  
QC276 year of most recent heart attack  
QZ076 r ever interviewed  
QZ204 first year r was diagnosed with diabetes

## Wave 15:

RC018 cancer of any kind excluding skin  
RC019 r seen doc concerning cancer  
RC020 past cancer treated  
RC024 new cancer excluding skin  
RC028 year recent cancer  
RC043 yr recent heart attack  
RC064 most recent stroke-year  
RC214 year diabetes first diagnosed  
RC258 year first had heart attack  
RC261 year had first angina  
RC264 year first had heart failure  
RC267 year first had abnormal heart rhythm  
RC276 year of most recent heart attack  
RZ076 r ever interviewed  
RZ204 first year r was diagnosed with diabetes

**Medical Procedures: Ever Have Procedure**

Wave	Variable	Label	Type
01	R1HRTSRGE	r1hrtsrge:w1 r ever had heart surgery	Categ
02	R2HRTSRGE	r2hrtsrge:w2 r ever had heart surgery	Categ
01	S1HRTSRGE	s1hrtsrge:w1 s ever had heart surgery	Categ
02	S2HRTSRGE	s2hrtsrge:w2 s ever had heart surgery	Categ
02	R2JOINTRE	r2jointre:w2 r ever had joint replaced	Categ
02	S2JOINTRE	s2jointre:w2 s ever had joint replaced	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HRTSRGE	1666	0.19	0.39	0.00	1.00
R2HRTSRGE	635	0.52	0.50	0.00	1.00
S1HRTSRGE	1286	0.21	0.41	0.00	1.00
S2HRTSRGE	466	0.59	0.49	0.00	1.00
R2JOINTRE	8216	0.07	0.26	0.00	1.00
S2JOINTRE	4349	0.06	0.24	0.00	1.00

**Categorical Variable Codes**

Value-----	R1HRTSRGE	R2HRTSRGE
.d:DK		4
.m:Missing		361
.q:not asked this wave		8221
.s:skipped		616
.x:does not have condition	10986	9980
0.no	1345	304
1.yes	321	331

Value-----	S1HRTSRGE	S2HRTSRGE
.d:DK		4
.m:Missing		140
.q:not asked this wave		4349
.s:skipped		457
.u:not coupled	2373	5976
.v:SP NR	379	578
.x:does not have condition	8614	7672
0.no	1014	193
1.yes	272	273

Value-----	R2JOINTRE
.d:DK	6
.q:not asked this wave	11595
0.no	7636
1.yes	580

Value-----	S2JOINTRE
.d:DK	1
.q:not asked this wave	8738
.u:not coupled	5976
.v:SP NR	578
0.no	4073
1.yes	276

## How Constructed:

RwHRTSRGE indicates whether the respondent has ever had heart surgery. RwHRTSRGE is coded as 0.no, and 1.yes. Respondents who have not ever been diagnosed with a heart condition are not asked about heart surgery and are assigned a special missing code .x. Respondents in the HRS cohort in Wave 2 are not asked about heart surgery if they reported ever having heart problems in Wave 1 but having no heart problems since then, and so are assigned special missing .s in Wave 2. Respondents in the AHEAD sample in Wave 2 are not asked these questions and are assigned special missing code .q in Wave 2. Questions about ever having had heart surgery are not asked after Wave 2. Don't know, refused, or other missing responses of RwHRTSRGE are assigned special missing codes .d, .r, and .m, respectively. RwHRTSRGE is set to plain missing (.) for respondents who did not participate in the current wave.

SwHRTSRGE indicates whether the respondent's current wave's spouse has ever had heart surgery, and is taken from RwHRTSRGE. In addition to the special missing codes employed by RwHRTSRGE, SwHRTSRGE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwJOINTRE indicates whether the respondent has ever had joint replacement surgery. A question about ever having had joint replacement surgery is only asked in Wave 2. RwJOINTRE is coded as 0.no, and 1.yes. Don't know, refused, or other missing responses of RwJOINTRE are assigned special missing codes .d, .r, and .m, respectively. Respondents in the AHEAD sample in Wave 2 are not asked this question and are assigned special missing code .q, in Wave 2. RwJOINTRE is set to plain missing (.) for respondents who did not participate in the current wave.

SwJOINTRE indicates whether the respondent's current wave's spouse has ever had joint replacement surgery, and is taken from RwJOINTRE. In addition to the special missing codes employed by RwJOINTRE, SwJOINTRE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are only asked whether they have ever had heart surgery in Waves 1 and 2, and so RwHRTSRGE is only available in Wave 1 and Wave 2. Respondents in the AHEAD sample in Wave 2 are not asked whether they ever had heart surgery and are assigned special missing code .q in Wave 2. Respondents in the HRS cohort in Wave 2 are not asked about heart surgery if they reported having ever had heart problems in Wave 1 but not experiencing heart problems between Waves 1 and 2.

Respondents are only asked whether they have ever had joint replacement surgery in Wave 2, and so RwJOINTRE is only available in Wave 2. Respondents in the AHEAD sample in Wave 2 are not asked whether they ever had joint replacement surgery and are assigned special missing code .q in Wave 2.

## HRS Variables Used:

```
RAND HRS:
  R1HEARTE      r1hearte:w1 r ever had heart problems
  R2ARTHRE      r2arthre:w2 r ever had arthritis
  R2HEARTE      r2hearte:w2 r ever had heart problems
Wave 1:
  V416          b21:ever heart surge:imp
Wave 2 AHEAD:
  B280          b13. joint replacement
  BN_INHH      ahd w1: # r's responding in hhold
Wave 2 HRS:
  W378         b20.heart surgery
  WN_INHH      hrs w2: # in hhold (r1/r2 only)
```

<b>Medical Procedures: Had Procedure Since Last Wave</b>
--

Wave	Variable	Label	Type
03	R3HRTSRG	r3hrtsrg:w3 r had heart surgery since last wave	Categ
04	R4HRTSRG	r4hrtsrg:w4 r had heart surgery since last wave	Categ
05	R5HRTSRG	r5hrtsrg:w5 r had heart surgery since last wave	Categ
06	R6HRTSRG	r6hrtsrg:w6 r had heart surgery since last wave	Categ
07	R7HRTSRG	r7hrtsrg:w7 r had heart surgery since last wave	Categ
08	R8HRTSRG	r8hrtsrg:w8 r had heart surgery since last wave	Categ
09	R9HRTSRG	r9hrtsrg:w9 r had heart surgery since last wave	Categ
10	R10HRTSRG	r10hrtsrg:w10 r had heart surgery since last wave	Categ
11	R11HRTSRG	r11hrtsrg:w11 r had heart surgery since last wave	Categ
12	R12HRTSRG	r12hrtsrg:w12 r had heart surgery since last wave	Categ
13	R13HRTSRG	r13hrtsrg:w13 r had heart surgery since last wave	Categ
14	R14HRTSRG	r14hrtsrg:w14 r had heart surgery since last wave	Categ
15	R15HRTSRG	r15hrtsrg:w15 r had heart surgery since last wave	Categ
03	S3HRTSRG	s3hrtsrg:w3 s had heart surgery since last wave	Categ
04	S4HRTSRG	s4hrtsrg:w4 s had heart surgery since last wave	Categ
05	S5HRTSRG	s5hrtsrg:w5 s had heart surgery since last wave	Categ
06	S6HRTSRG	s6hrtsrg:w6 s had heart surgery since last wave	Categ
07	S7HRTSRG	s7hrtsrg:w7 s had heart surgery since last wave	Categ
08	S8HRTSRG	s8hrtsrg:w8 s had heart surgery since last wave	Categ
09	S9HRTSRG	s9hrtsrg:w9 s had heart surgery since last wave	Categ
10	S10HRTSRG	s10hrtsrg:w10 s had heart surgery since last wave	Categ
11	S11HRTSRG	s11hrtsrg:w11 s had heart surgery since last wave	Categ
12	S12HRTSRG	s12hrtsrg:w12 s had heart surgery since last wave	Categ
13	S13HRTSRG	s13hrtsrg:w13 s had heart surgery since last wave	Categ
14	S14HRTSRG	s14hrtsrg:w14 s had heart surgery since last wave	Categ
15	S15HRTSRG	s15hrtsrg:w15 s had heart surgery since last wave	Categ
03	R3JOINTR	r3jointr:w3 r had joint replaced since last wave	Categ
04	R4JOINTR	r4jointr:w4 r had joint replaced since last wave	Categ
05	R5JOINTR	r5jointr:w5 r had joint replaced since last wave	Categ
06	R6JOINTR	r6jointr:w6 r had joint replaced since last wave	Categ
07	R7JOINTR	r7jointr:w7 r had joint replaced since last wave	Categ
08	R8JOINTR	r8jointr:w8 r had joint replaced since last wave	Categ
09	R9JOINTR	r9jointr:w9 r had joint replaced since last wave	Categ
10	R10JOINTR	r10jointr:w10 r had joint replaced since last wave	Categ
11	R11JOINTR	r11jointr:w11 r had joint replaced since last wave	Categ
12	R12JOINTR	r12jointr:w12 r had joint replaced since last wave	Categ
13	R13JOINTR	r13jointr:w13 r had joint replaced since last wave	Categ
14	R14JOINTR	r14jointr:w14 r had joint replaced since last wave	Categ
15	R15JOINTR	r15jointr:w15 r had joint replaced since last wave	Categ
03	S3JOINTR	s3jointr:w3 s had joint replaced since last wave	Categ
04	S4JOINTR	s4jointr:w4 s had joint replaced since last wave	Categ
05	S5JOINTR	s5jointr:w5 s had joint replaced since last wave	Categ
06	S6JOINTR	s6jointr:w6 s had joint replaced since last wave	Categ
07	S7JOINTR	s7jointr:w7 s had joint replaced since last wave	Categ
08	S8JOINTR	s8jointr:w8 s had joint replaced since last wave	Categ
09	S9JOINTR	s9jointr:w9 s had joint replaced since last wave	Categ
10	S10JOINTR	s10jointr:w10 s had joint replaced since last wave	Categ
11	S11JOINTR	s11jointr:w11 s had joint replaced since last wave	Categ
12	S12JOINTR	s12jointr:w12 s had joint replaced since last wave	Categ
13	S13JOINTR	s13jointr:w13 s had joint replaced since last wave	Categ
14	S14JOINTR	s14jointr:w14 s had joint replaced since last wave	Categ
15	S15JOINTR	s15jointr:w15 s had joint replaced since last wave	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R3HRTRSG	4110	0.09	0.28	0.00	1.00
R4HRTRSG	4307	0.10	0.29	0.00	1.00
R5HRTRSG	4380	0.08	0.27	0.00	1.00
R6HRTRSG	4553	0.09	0.29	0.00	1.00
R7HRTRSG	4789	0.08	0.28	0.00	1.00
R8HRTRSG	4695	0.08	0.27	0.00	1.00
R9HRTRSG	4514	0.08	0.27	0.00	1.00
R10HRTRSG	5026	0.09	0.29	0.00	1.00
R11HRTRSG	4888	0.07	0.26	0.00	1.00
R12HRTRSG	4620	0.07	0.25	0.00	1.00
R13HRTRSG	4652	0.08	0.27	0.00	1.00
R14HRTRSG	4012	0.07	0.26	0.00	1.00
R15HRTRSG	3678	0.07	0.26	0.00	1.00
S3HRTRSG	2496	0.10	0.30	0.00	1.00
S4HRTRSG	2655	0.11	0.31	0.00	1.00
S5HRTRSG	2641	0.09	0.29	0.00	1.00
S6HRTRSG	2687	0.10	0.30	0.00	1.00
S7HRTRSG	2826	0.09	0.29	0.00	1.00
S8HRTRSG	2746	0.09	0.29	0.00	1.00
S9HRTRSG	2618	0.09	0.29	0.00	1.00
S10HRTRSG	2902	0.09	0.29	0.00	1.00
S11HRTRSG	2785	0.08	0.27	0.00	1.00
S12HRTRSG	2533	0.08	0.27	0.00	1.00
S13HRTRSG	2437	0.09	0.28	0.00	1.00
S14HRTRSG	2039	0.08	0.27	0.00	1.00
S15HRTRSG	1860	0.08	0.27	0.00	1.00
R3JOINTR	9100	0.04	0.20	0.00	1.00
R4JOINTR	11253	0.05	0.22	0.00	1.00
R5JOINTR	11128	0.04	0.20	0.00	1.00
R6JOINTR	10846	0.05	0.22	0.00	1.00
R7JOINTR	11471	0.05	0.22	0.00	1.00
R8JOINTR	11039	0.05	0.22	0.00	1.00
R9JOINTR	10580	0.06	0.24	0.00	1.00
R10JOINTR	11973	0.06	0.24	0.00	1.00
R11JOINTR	11649	0.05	0.22	0.00	1.00
R12JOINTR	10984	0.06	0.24	0.00	1.00
R13JOINTR	11282	0.07	0.25	0.00	1.00
R14JOINTR	9916	0.06	0.24	0.00	1.00
R15JOINTR	9249	0.06	0.24	0.00	1.00
S3JOINTR	5643	0.04	0.20	0.00	1.00
S4JOINTR	6831	0.05	0.22	0.00	1.00
S5JOINTR	6754	0.05	0.21	0.00	1.00
S6JOINTR	6583	0.05	0.22	0.00	1.00
S7JOINTR	6911	0.06	0.23	0.00	1.00
S8JOINTR	6586	0.06	0.23	0.00	1.00
S9JOINTR	6159	0.06	0.24	0.00	1.00
S10JOINTR	6879	0.07	0.25	0.00	1.00
S11JOINTR	6618	0.06	0.23	0.00	1.00
S12JOINTR	6002	0.07	0.25	0.00	1.00
S13JOINTR	5900	0.07	0.26	0.00	1.00
S14JOINTR	5036	0.07	0.25	0.00	1.00
S15JOINTR	4622	0.07	0.25	0.00	1.00

**Categorical Variable Codes**

Value-----			R3HRTSRG	R4HRTSRG	R5HRTSRG
.d:DK			8		
.m:Missing			11	3	240
.x:does not have condition			13862	17074	14958
0.no			3745	3893	4024
1.yes			365	414	356
Value-----	R6HRTSRG	R7HRTSRG	R8HRTSRG	R9HRTSRG	R10HRTSRG
.d:DK	1	2	7	1	55
.m:Missing	119	161	161	161	164
.x:does not have condition	13492	15177	13606	12541	16789
0.no	4144	4394	4316	4158	4574
1.yes	409	395	379	356	452
Value-----	R11HRTSRG	R12HRTSRG	R13HRTSRG	R14HRTSRG	R15HRTSRG
.d:DK	50	72	55	22	9
.m:Missing	22	6	1	74	106
.r:Refuse			1	1	1
.x:does not have condition	15594	14049	16203	13037	11929
0.no	4544	4298	4295	3721	3407
1.yes	344	322	357	291	271
Value-----			S3HRTSRG	S4HRTSRG	S5HRTSRG
.d:DK			7		
.m:Missing			9	1	106
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
.x:does not have condition			9404	11322	9983
0.no			2240	2366	2402
1.yes			256	289	239
Value-----	S6HRTSRG	S7HRTSRG	S8HRTSRG	S9HRTSRG	S10HRTSRG
.d:DK	1		2		27
.m:Missing	61	78	72	79	79
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:does not have condition	8883	10064	8908	7943	10500
0.no	2411	2561	2500	2384	2628
1.yes	276	265	246	234	274
Value-----	S11HRTSRG	S12HRTSRG	S13HRTSRG	S14HRTSRG	S15HRTSRG
.d:DK	24	38	18	11	4
.m:Missing	14	3		39	51
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:does not have condition	9653	8438	9323	7269	6551
0.no	2566	2340	2220	1873	1712
1.yes	219	193	217	166	148
Value-----			R3JOINTR	R4JOINTR	R5JOINTR
.d:DK			2	4	2
.m:Missing			27	21	13
.x:does not have condition			8862	10106	8435
0.no			8722	10703	10646
1.yes			378	550	482
Value-----	R6JOINTR	R7JOINTR	R8JOINTR	R9JOINTR	R10JOINTR
.d:DK	3	9	14	11	28
.m:Missing	189	217	274	307	298
.r:Refuse			1	1	1
.x:does not have condition	7127	8432	7141	6318	9734
0.no	10314	10903	10453	9956	11252
1.yes	532	568	586	624	721
Value-----	R11JOINTR	R12JOINTR	R13JOINTR	R14JOINTR	R15JOINTR
.d:DK	21	34	39	11	22
.m:Missing	329	292	265	223	279
.r:Refuse				1	1
.x:does not have condition	8555	7437	9326	6995	6172
0.no	11066	10319	10505	9299	8676
1.yes	583	665	777	617	573
Value-----			S3JOINTR	S4JOINTR	S5JOINTR
.d:DK			2	3	1
.m:Missing			19	14	8
.u:not coupled			5659	6870	6537

.v:SP NR			416	536	311
.x:does not have condition			6252	7130	5967
0.no			5403	6480	6432
1.yes			240	351	322

Value-----		S6JOINTR	S7JOINTR	S8JOINTR	S9JOINTR	S10JOINTR
.d:DK		1	7	3	5	16
.m:Missing		96	117	168	174	174
.r:Refuse				1		1
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.x:does not have condition		4952	5933	4970	4302	6438
0.no		6246	6522	6209	5792	6427
1.yes		337	389	377	367	452

Value-----		S11JOINTR	S12JOINTR	S13JOINTR	S14JOINTR	S15JOINTR
.d:DK		13	18	23	3	13
.m:Missing		199	170	148	118	152
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.x:does not have condition		5646	4822	5707	4201	3679
0.no		6240	5606	5470	4702	4305
1.yes		378	396	430	334	317

## How Constructed:

RwHRTSRG indicates whether the respondent has had heart surgery since the last wave or in the last two years. RwHRTSRG is coded as 0.no, and 1.yes. Respondents who have not been diagnosed with a heart condition are not asked about heart surgery and are assigned a special missing code .x. Questions about whether the respondent has had heart surgery in the last two years were introduced starting in Wave 3. If the respondent is not currently taking medication for a heart problem and has not seen a doctor for their heart problem in the last 2 years, they are assumed to not have had heart surgery and are assigned a value of 0. Don't know, refused, or other missing responses of RwHRTSRG are assigned special missing codes .d, .r, and .m, respectively. RwHRTSRG is set to plain missing (.) for respondents who did not participate in the current wave.

SwHRTSRG indicates whether the respondent's current wave's spouse has had heart surgery since the last wave or in the last two years, and is taken from RwHRTSRG. In addition to the special missing codes employed by RwHRTSRG, SwHRTSRG employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwJOINTR indicates whether the respondent has had joint replacement surgery since the last wave or in the last two years. RwJOINTR is coded as 0.no, and 1.yes. Questions about whether the respondent has had joint replacement surgery in the last two years were introduced starting in Wave 3. Respondents who have not been diagnosed with arthritis are not asked about joint replacement surgery and are assigned a special missing code .x. Don't know, refused, or other missing responses of RwJOINTR are assigned special missing codes .d, .r, and .m, respectively. RwJOINTR is set to plain missing (.) for respondents who did not participate in the current wave.

SwJOINTR indicates whether the respondent's current wave's spouse has had joint replacement surgery since the last wave or in the last two years, and is taken from RwJOINTR. In addition to the special missing codes employed by RwJOINTR, SwJOINTR employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about whether the respondent has had heart surgery in the last two years were introduced starting in Wave 3.

Questions about whether the respondent has had joint replacement surgery in the last two years were introduced starting in Wave 3.



**HRS Variables Used:**

## RAND HRS:

R10ARTHRE	r10arthre:w10	r	ever	had	arthritis
R10HEARTE	r10hearte:w10	r	ever	had	heart problems
R11ARTHRE	r11arthre:w11	r	ever	had	arthritis
R11HEARTE	r11hearte:w11	r	ever	had	heart problems
R12ARTHRE	r12arthre:w12	r	ever	had	arthritis
R12HEARTE	r12hearte:w12	r	ever	had	heart problems
R13ARTHRE	r13arthre:w13	r	ever	had	arthritis
R13HEARTE	r13hearte:w13	r	ever	had	heart problems
R14ARTHRE	r14arthre:w14	r	ever	had	arthritis
R14HEARTE	r14hearte:w14	r	ever	had	heart problems
R15ARTHRE	r15arthre:w15	r	ever	had	arthritis
R15HEARTE	r15hearte:w15	r	ever	had	heart problems
R1HEARTE	r1hearte:w1	r	ever	had	heart problems
R2ARTHRE	r2arthre:w2	r	ever	had	arthritis
R2HEARTE	r2hearte:w2	r	ever	had	heart problems
R3ARTHRE	r3arthre:w3	r	ever	had	arthritis
R3HEARTE	r3hearte:w3	r	ever	had	heart problems
R4ARTHRE	r4arthre:w4	r	ever	had	arthritis
R4HEARTE	r4hearte:w4	r	ever	had	heart problems
R5ARTHRE	r5arthre:w5	r	ever	had	arthritis
R5HEARTE	r5hearte:w5	r	ever	had	heart problems
R6ARTHRE	r6arthre:w6	r	ever	had	arthritis
R6HEARTE	r6hearte:w6	r	ever	had	heart problems
R7ARTHRE	r7arthre:w7	r	ever	had	arthritis
R7HEARTE	r7hearte:w7	r	ever	had	heart problems
R8ARTHRE	r8arthre:w8	r	ever	had	arthritis
R8HEARTE	r8hearte:w8	r	ever	had	heart problems
R9ARTHRE	r9arthre:w9	r	ever	had	arthritis
R9HEARTE	r9hearte:w9	r	ever	had	heart problems

## Wave 3 AHEAD:

D829	b7a.	heart	medication
D830	b7b.	heart	seen dr
D847	b7q.	heart	surgery
D872	b11f.	arthritis	joint replace
DN_INHH	dn_inhh:	#	r's responding in hhold

## Wave 4:

F1157	b7a.	heart	medication
F1158	b7b.	heart	seen dr
F1175	b7q.	heart	surgery
F1200	b11f.	arthritis	joint replace

## Wave 5:

G1290	b7a.	heart	medication
G1291	b7b.	heart	seen dr
G1308	b7q.	heart	surgery
G1333	b11f.	arthritis	joint replace

## Wave 6:

HC037	heart	medication
HC038	has	r seen heart doctor
HC052	heart	surgery
HC076	arthritis	joint replace

## Wave 7:

JC037	heart	medication
JC038	has	r seen heart doctor
JC052	heart	surgery
JC076	arthritis	joint replace

## Wave 8:

KC037	heart	medication
KC038	has	r seen heart doctor
KC052	heart	surgery
KC076	arthritis	joint replace

Wave 9:  
LC037 heart medication  
LC038 has r seen heart doctor  
LC052 heart surgery  
LC076 arthritis joint replace

Wave 10:  
MC037 heart medication  
MC038 has r seen heart doctor  
MC052 heart surgery  
MC076 arthritis joint replace

Wave 11:  
NC037 heart medication  
NC038 has r seen heart doctor  
NC052 heart surgery  
NC076 arthritis joint replace

Wave 12:  
OC037 heart medication  
OC038 has r seen heart doctor  
OC052 heart surgery  
OC076 arthritis joint replace

Wave 13:  
PC037 heart medication  
PC038 has r seen heart doctor  
PC052 heart surgery  
PC076 arthritis joint replace

Wave 14:  
QC037 heart medication  
QC038 has r seen heart doctor  
QC052 heart surgery  
QC076 arthritis joint replace

Wave 15:  
RC037 heart medication  
RC038 has r seen heart doctor  
RC052 heart surgery  
RC076 arthritis joint replace

<b>Whether Receives Treatment for Other Conditions</b>
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Wave	Variable	Label	Type
08	R8RXHCHOL	r8rxhchol:w8 r takes meds for high cholesterol	Categ
09	R9RXHCHOL	r9rxhchol:w9 r takes meds for high cholesterol	Categ
10	R10RXHCHOL	r10rxhchol:w10 r takes meds for high cholesterol	Categ
11	R11RXHCHOL	r11rxhchol:w11 r takes meds for high cholesterol	Categ
12	R12RXHCHOL	r12rxhchol:w12 r takes meds for high cholesterol	Categ
13	R13RXHCHOL	r13rxhchol:w13 r takes meds for high cholesterol	Categ
14	R14RXHCHOL	r14rxhchol:w14 r takes meds for high cholesterol	Categ
15	R15RXHCHOL	r15rxhchol:w15 r takes meds for high cholesterol	Categ
08	S8RXHCHOL	s8rxhchol:w8 s takes meds for high cholesterol	Categ
09	S9RXHCHOL	s9rxhchol:w9 s takes meds for high cholesterol	Categ
10	S10RXHCHOL	s10rxhchol:w10 s takes meds for high cholesterol	Categ
11	S11RXHCHOL	s11rxhchol:w11 s takes meds for high cholesterol	Categ
12	S12RXHCHOL	s12rxhchol:w12 s takes meds for high cholesterol	Categ
13	S13RXHCHOL	s13rxhchol:w13 s takes meds for high cholesterol	Categ
14	S14RXHCHOL	s14rxhchol:w14 s takes meds for high cholesterol	Categ
15	S15RXHCHOL	s15rxhchol:w15 s takes meds for high cholesterol	Categ
08	R8RXBREATH	r8rxbreath:w8 r takes meds for breathing problem	Categ
09	R9RXBREATH	r9rxbreath:w9 r takes meds for breathing problem	Categ
10	R10RXBREATH	r10rxbreath:w10 r takes meds for breathing problem	Categ
11	R11RXBREATH	r11rxbreath:w11 r takes meds for breathing problem	Categ
12	R12RXBREATH	r12rxbreath:w12 r takes meds for breathing problem	Categ
13	R13RXBREATH	r13rxbreath:w13 r takes meds for breathing problem	Categ
14	R14RXBREATH	r14rxbreath:w14 r takes meds for breathing problem	Categ
15	R15RXBREATH	r15rxbreath:w15 r takes meds for breathing problem	Categ
08	S8RXBREATH	s8rxbreath:w8 s takes meds for breathing problem	Categ
09	S9RXBREATH	s9rxbreath:w9 s takes meds for breathing problem	Categ
10	S10RXBREATH	s10rxbreath:w10 s takes meds for breathing problem	Categ
11	S11RXBREATH	s11rxbreath:w11 s takes meds for breathing problem	Categ
12	S12RXBREATH	s12rxbreath:w12 s takes meds for breathing problem	Categ
13	S13RXBREATH	s13rxbreath:w13 s takes meds for breathing problem	Categ
14	S14RXBREATH	s14rxbreath:w14 s takes meds for breathing problem	Categ
15	S15RXBREATH	s15rxbreath:w15 s takes meds for breathing problem	Categ
08	R8RXSTOM	r8rxstom:w8 r takes meds for stomach	Categ
09	R9RXSTOM	r9rxstom:w9 r takes meds for stomach	Categ
10	R10RXSTOM	r10rxstom:w10 r takes meds for stomach	Categ
11	R11RXSTOM	r11rxstom:w11 r takes meds for stomach	Categ
12	R12RXSTOM	r12rxstom:w12 r takes meds for stomach	Categ
13	R13RXSTOM	r13rxstom:w13 r takes meds for stomach	Categ
14	R14RXSTOM	r14rxstom:w14 r takes meds for stomach	Categ
15	R15RXSTOM	r15rxstom:w15 r takes meds for stomach	Categ
08	S8RXSTOM	s8rxstom:w8 s takes meds for stomach	Categ
09	S9RXSTOM	s9rxstom:w9 s takes meds for stomach	Categ
10	S10RXSTOM	s10rxstom:w10 s takes meds for stomach	Categ
11	S11RXSTOM	s11rxstom:w11 s takes meds for stomach	Categ
12	S12RXSTOM	s12rxstom:w12 s takes meds for stomach	Categ
13	S13RXSTOM	s13rxstom:w13 s takes meds for stomach	Categ
14	S14RXSTOM	s14rxstom:w14 s takes meds for stomach	Categ
15	S15RXSTOM	s15rxstom:w15 s takes meds for stomach	Categ
08	R8RXDEPRES	r8rxdepres:w8 r takes meds for depression or anxiety	Categ
09	R9RXDEPRES	r9rxdepres:w9 r takes meds for depression or anxiety	Categ
10	R10RXDEPRES	r10rxdepres:w10 r takes meds for depression or anxiety	Categ

11	R11RXDEPRES	r11rxdepres:w11	r	takes meds for depression or anxiety	Categ
12	R12RXDEPRES	r12rxdepres:w12	r	takes meds for depression or anxiety	Categ
13	R13RXDEPRES	r13rxdepres:w13	r	takes meds for depression or anxiety	Categ
14	R14RXDEPRES	r14rxdepres:w14	r	takes meds for depression or anxiety	Categ
15	R15RXDEPRES	r15rxdepres:w15	r	takes meds for depression or anxiety	Categ
08	S8RXDEPRES	s8rxdepres:w8	s	takes meds for depression or anxiety	Categ
09	S9RXDEPRES	s9rxdepres:w9	s	takes meds for depression or anxiety	Categ
10	S10RXDEPRES	s10rxdepres:w10	s	takes meds for depression or anxiety	Categ
11	S11RXDEPRES	s11rxdepres:w11	s	takes meds for depression or anxiety	Categ
12	S12RXDEPRES	s12rxdepres:w12	s	takes meds for depression or anxiety	Categ
13	S13RXDEPRES	s13rxdepres:w13	s	takes meds for depression or anxiety	Categ
14	S14RXDEPRES	s14rxdepres:w14	s	takes meds for depression or anxiety	Categ
15	S15RXDEPRES	s15rxdepres:w15	s	takes meds for depression or anxiety	Categ
11	R11RXBLDTHN	r11rxblldthn:w11	r	takes blood thinning meds to prevent clots	Categ
12	R12RXBLDTHN	r12rxblldthn:w12	r	takes blood thinning meds to prevent clots	Categ
13	R13RXBLDTHN	r13rxblldthn:w13	r	takes blood thinning meds to prevent clots	Categ
14	R14RXBLDTHN	r14rxblldthn:w14	r	takes blood thinning meds to prevent clots	Categ
15	R15RXBLDTHN	r15rxblldthn:w15	r	takes blood thinning meds to prevent clots	Categ
11	S11RXBLDTHN	s11rxblldthn:w11	s	takes blood thinning meds to prevent clots	Categ
12	S12RXBLDTHN	s12rxblldthn:w12	s	takes blood thinning meds to prevent clots	Categ
13	S13RXBLDTHN	s13rxblldthn:w13	s	takes blood thinning meds to prevent clots	Categ
14	S14RXBLDTHN	s14rxblldthn:w14	s	takes blood thinning meds to prevent clots	Categ
15	S15RXBLDTHN	s15rxblldthn:w15	s	takes blood thinning meds to prevent clots	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8RXHCHOL	18304	0.39	0.49	0.00	1.00
R9RXHCHOL	17061	0.43	0.50	0.00	1.00
R10RXHCHOL	21663	0.41	0.49	0.00	1.00
R11RXHCHOL	20394	0.44	0.50	0.00	1.00
R12RXHCHOL	18609	0.44	0.50	0.00	1.00
R13RXHCHOL	20691	0.41	0.49	0.00	1.00
R14RXHCHOL	16977	0.43	0.49	0.00	1.00
R15RXHCHOL	15494	0.45	0.50	0.00	1.00
S8RXHCHOL	11679	0.40	0.49	0.00	1.00
S9RXHCHOL	10591	0.45	0.50	0.00	1.00
S10RXHCHOL	13318	0.41	0.49	0.00	1.00
S11RXHCHOL	12432	0.44	0.50	0.00	1.00
S12RXHCHOL	10970	0.44	0.50	0.00	1.00
S13RXHCHOL	11713	0.41	0.49	0.00	1.00
S14RXHCHOL	9302	0.43	0.49	0.00	1.00
S15RXHCHOL	8404	0.45	0.50	0.00	1.00
R8RXBREATH	18405	0.15	0.36	0.00	1.00
R9RXBREATH	17154	0.15	0.36	0.00	1.00
R10RXBREATH	21723	0.15	0.36	0.00	1.00
R11RXBREATH	20464	0.16	0.37	0.00	1.00
R12RXBREATH	18662	0.17	0.38	0.00	1.00
R13RXBREATH	20752	0.17	0.37	0.00	1.00
R14RXBREATH	17000	0.19	0.39	0.00	1.00
R15RXBREATH	15529	0.19	0.39	0.00	1.00
S8RXBREATH	11709	0.14	0.35	0.00	1.00
S9RXBREATH	10622	0.14	0.35	0.00	1.00
S10RXBREATH	13342	0.14	0.35	0.00	1.00
S11RXBREATH	12452	0.14	0.35	0.00	1.00
S12RXBREATH	10988	0.15	0.36	0.00	1.00

S13RXBREATH	11725	0.14	0.35	0.00	1.00
S14RXBREATH	9309	0.16	0.36	0.00	1.00
S15RXBREATH	8411	0.16	0.37	0.00	1.00
R8RXSTOM	18405	0.17	0.37	0.00	1.00
R9RXSTOM	17151	0.17	0.37	0.00	1.00
R10RXSTOM	21721	0.17	0.37	0.00	1.00
R11RXSTOM	20460	0.18	0.38	0.00	1.00
R12RXSTOM	18663	0.18	0.39	0.00	1.00
R13RXSTOM	20746	0.17	0.37	0.00	1.00
R14RXSTOM	17007	0.17	0.38	0.00	1.00
R15RXSTOM	15527	0.17	0.38	0.00	1.00
S8RXSTOM	11710	0.16	0.37	0.00	1.00
S9RXSTOM	10622	0.16	0.37	0.00	1.00
S10RXSTOM	13341	0.16	0.36	0.00	1.00
S11RXSTOM	12448	0.16	0.37	0.00	1.00
S12RXSTOM	10988	0.17	0.38	0.00	1.00
S13RXSTOM	11726	0.15	0.36	0.00	1.00
S14RXSTOM	9315	0.16	0.37	0.00	1.00
S15RXSTOM	8416	0.16	0.37	0.00	1.00
R8RXDEPRES	18387	0.17	0.37	0.00	1.00
R9RXDEPRES	17143	0.17	0.37	0.00	1.00
R10RXDEPRES	21714	0.18	0.38	0.00	1.00
R11RXDEPRES	20455	0.19	0.39	0.00	1.00
R12RXDEPRES	18643	0.19	0.39	0.00	1.00
R13RXDEPRES	20741	0.19	0.40	0.00	1.00
R14RXDEPRES	17011	0.19	0.40	0.00	1.00
R15RXDEPRES	15528	0.19	0.40	0.00	1.00
S8RXDEPRES	11709	0.15	0.35	0.00	1.00
S9RXDEPRES	10614	0.15	0.36	0.00	1.00
S10RXDEPRES	13341	0.16	0.37	0.00	1.00
S11RXDEPRES	12444	0.16	0.37	0.00	1.00
S12RXDEPRES	10986	0.17	0.38	0.00	1.00
S13RXDEPRES	11724	0.17	0.38	0.00	1.00
S14RXDEPRES	9319	0.17	0.38	0.00	1.00
S15RXDEPRES	8418	0.17	0.38	0.00	1.00
R11RXBLDTHN	20392	0.16	0.37	0.00	1.00
R12RXBLDTHN	18591	0.16	0.37	0.00	1.00
R13RXBLDTHN	20686	0.15	0.36	0.00	1.00
R14RXBLDTHN	16992	0.16	0.37	0.00	1.00
R15RXBLDTHN	15469	0.17	0.38	0.00	1.00
S11RXBLDTHN	12422	0.15	0.36	0.00	1.00
S12RXBLDTHN	10961	0.15	0.36	0.00	1.00
S13RXBLDTHN	11699	0.14	0.35	0.00	1.00
S14RXBLDTHN	9311	0.16	0.36	0.00	1.00
S15RXBLDTHN	8394	0.16	0.37	0.00	1.00

### Categorical Variable Codes

Value-----			R8RXHCHOL	R9RXHCHOL	R10RXHCHOL	
.d:DK			138	126	84	
.m:Missing			17	19	264	
.r:Refuse			10	11	23	
0.no			11255	9660	12747	
1.yes			7049	7401	8916	
Value-----		R11RXHCHOL	R12RXHCHOL	R13RXHCHOL	R14RXHCHOL	R15RXHCHOL
.d:DK		89	75	80	65	80
.m:Missing		64	55	123	93	135

.r:Refuse		7	8	18	11	14
0.no		11494	10420	12232	9756	8449
1.yes		8900	8189	8459	7221	7045
Value-----				S8RXHCOL	S9RXHCOL	S10RXHCOL
.d:DK				42	38	29
.m:Missing				3	5	150
.r:Refuse				4	6	11
.u:not coupled				6424	6212	7804
.v:SP NR				317	365	722
0.no				7029	5873	7805
1.yes				4650	4718	5513
Value-----	S11RXHCOL	S12RXHCOL	S13RXHCOL	S14RXHCOL	S15RXHCOL	
.d:DK		23	23	22	26	31
.m:Missing		19	16	35	26	25
.r:Refuse		2	3	8	4	6
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		6997	6129	6943	5336	4585
1.yes		5435	4841	4770	3966	3819
Value-----			R8RXBREATH	R9RXBREATH	R10RXBREATH	
.d:DK			38	35	27	
.m:Missing			17	19	264	
.r:Refuse			9	9	20	
0.no			15581	14526	18368	
1.yes			2824	2628	3355	
Value-----	R11RXBREATH	R12RXBREATH	R13RXBREATH	R14RXBREATH	R15RXBREATH	
.d:DK		20	24	20	43	48
.m:Missing		64	55	123	93	136
.r:Refuse		6	6	17	10	10
0.no		17180	15478	17254	13841	12608
1.yes		3284	3184	3498	3159	2921
Value-----			S8RXBREATH	S9RXBREATH	S10RXBREATH	
.d:DK			12	8	5	
.m:Missing			3	5	150	
.r:Refuse			4	5	11	
.u:not coupled			6424	6212	7804	
.v:SP NR			317	365	722	
0.no			10024	9114	11484	
1.yes			1685	1508	1858	
Value-----	S11RXBREATH	S12RXBREATH	S13RXBREATH	S14RXBREATH	S15RXBREATH	
.d:DK		3	5	9	20	25
.m:Missing		19	16	35	26	25
.r:Refuse		2	3	9	3	5
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		10665	9319	10034	7852	7065
1.yes		1787	1669	1691	1457	1346
Value-----			R8RXSTOM	R9RXSTOM	R10RXSTOM	
.d:DK			38	38	30	
.m:Missing			17	19	264	
.r:Refuse			9	9	19	
0.no			15364	14281	18049	
1.yes			3041	2870	3672	
Value-----	R11RXSTOM	R12RXSTOM	R13RXSTOM	R14RXSTOM	R15RXSTOM	
.d:DK		23	23	28	34	49
.m:Missing		64	55	123	93	136
.r:Refuse		7	6	15	12	11
0.no		16844	15235	17283	14075	12846
1.yes		3616	3428	3463	2932	2681
Value-----			S8RXSTOM	S9RXSTOM	S10RXSTOM	
.d:DK			11	8	7	
.m:Missing			3	5	150	
.r:Refuse			4	5	10	
.u:not coupled			6424	6212	7804	
.v:SP NR			317	365	722	
0.no			9853	8922	11266	
1.yes			1857	1700	2075	

Value-----	S11RXSTOM	S12RXSTOM	S13RXSTOM	S14RXSTOM	S15RXSTOM
.d:DK	6	5	9	13	20
.m:Missing	19	16	35	26	25
.r:Refuse	3	3	8	4	5
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10401	9103	9950	7831	7082
1.yes	2047	1885	1776	1484	1334

Value-----		R8RXDEPRES	R9RXDEPRES	R10RXDEPRES
.d:DK		50	45	36
.m:Missing		26	19	264
.r:Refuse		6	10	20
0.no		15343	14254	17834
1.yes		3044	2889	3880

Value-----	R11RXDEPRES	R12RXDEPRES	R13RXDEPRES	R14RXDEPRES	R15RXDEPRES
.d:DK	28	40	32	29	50
.m:Missing	64	55	123	93	136
.r:Refuse	7	9	16	13	9
0.no	16662	15061	16712	13708	12517
1.yes	3793	3582	4029	3303	3011

Value-----		S8RXDEPRES	S9RXDEPRES	S10RXDEPRES
.d:DK		11	16	7
.m:Missing		8	5	150
.r:Refuse			5	10
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
0.no		9996	9041	11196
1.yes		1713	1573	2145

Value-----	S11RXDEPRES	S12RXDEPRES	S13RXDEPRES	S14RXDEPRES	S15RXDEPRES
.d:DK	11	6	11	10	19
.m:Missing	19	16	35	26	25
.r:Refuse	2	4	8	3	4
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10409	9126	9736	7722	6987
1.yes	2035	1860	1988	1597	1431

Value-----	R11RXBLDTHN	R12RXBLDTHN	R13RXBLDTHN	R14RXBLDTHN	R15RXBLDTHN
.d:DK	91	93	86	47	105
.m:Missing	64	55	123	94	136
.r:Refuse	7	8	17	13	13
0.no	17106	15538	17519	14213	12785
1.yes	3286	3053	3167	2779	2684

Value-----	S11RXBLDTHN	S12RXBLDTHN	S13RXBLDTHN	S14RXBLDTHN	S15RXBLDTHN
.d:DK	33	32	35	17	41
.m:Missing	19	16	35	27	25
.r:Refuse	2	3	9	3	6
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10515	9275	10032	7848	7025
1.yes	1907	1686	1667	1463	1369

## How Constructed:

RwRXHCHOL, RwRXBREATH, RwRXSTOM, RwRXDEPRES, and RwRXBLDTHN indicate whether the respondent takes medication for a condition. These variables are coded as 0.no, and 1.yes. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRXHCHOL indicates whether the respondent takes medication for high cholesterol. Starting in Wave 8, respondents are asked if they regularly take prescription medication, and if they do regularly take prescription medication, they are asked if they regularly take medication to help lower their cholesterol. Those who report not regularly taking prescription medication are assigned a value of 0. RwRXHCHOL is available starting in Wave 8.

RwRXBREATH indicates whether the respondent takes medication for asthma, allergies, or other breathing problems. Starting in Wave 8, respondents are asked if they regularly take prescription medication, and if they do regularly take prescription medication, they are asked if they regularly take medication for asthma, allergies, or other breathing problems. Those who report not regularly taking prescription medication are assigned a value of 0. RwRXBREATH is available starting in Wave 8.

RwRXSTOM indicates whether the respondent takes medication for stomach problems. Starting in Wave 8, respondents are asked if they regularly take prescription medication, and if they do regularly take prescription medication, they are asked if they regularly take medication for stomach problems. Those who report not regularly taking prescription medication are assigned a value of 0. RwRXSTOM is available starting in Wave 8.

RwRXDEPRES indicates whether the respondent takes medication to help relieve anxiety or depression. Starting in Wave 8, respondents are asked if they regularly take prescription medication, and if they do regularly take prescription medication, they are asked if they regularly take medication to help relieve anxiety or depression. Those who report not regularly taking prescription medication are assigned a value of 0. RwRXDEPRES is available starting in Wave 8.

RwRXBLDTHN indicates whether the respondent takes a medication other than aspirin to thin their blood or to prevent clots. Starting in Wave 11, respondents are asked if they regularly take prescription medication, and if they do regularly take prescription medication, they are asked if they regularly take medication to thin their blood or prevent clots. Those who report not regularly taking prescription medication are assigned a value of 0. RwRXBLDTHN is available starting in Wave 11.

SwRXHCHOL, SwRXBREATH, SwRXSTOM, SwDEPRES, and SwBLDTHN indicate whether the respondent's current wave's spouse takes medication or receives treatment for the specified condition, and are taken from corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Starting in Wave 8, respondents are asked whether they regularly take prescription medication, and if so, they are asked whether they regularly take prescription medication for cholesterol, breathing problems, stomach problems, or depression or anxiety.

Starting in Wave 11, respondents are asked whether they regularly take prescription medication other than aspirin to thin their blood or to prevent blood clots.

## HRS Variables Used:

### Wave 8:

KN175	take rx drugs regularly
KN360	rx drugs regularly cholesterol
KN362	presc drugs regularly breathing problems
KN363	presc drugs regularly stomach problems
KN365	rx drugs regularly-anxiety or depression

### Wave 9:

LN175	take rx drugs regularly
LN360	rx drugs regularly cholesterol
LN362	presc drugs regularly breathing problems
LN363	presc drugs regularly stomach problems
LN365	rx drugs regularly-anxiety or depression

### Wave 10:

MN175	take rx drugs regularly
MN360	rx drugs regularly cholesterol
MN362	presc drugs regularly breathing problems
MN363	presc drugs regularly stomach problems
MN365	rx drugs regularly-anxiety or depression

### Wave 11:



NN175 take rx drugs regularly  
NN283 rx drugs regularly-aspirin or blood thinners  
NN360 rx drugs regularly cholesterol  
NN362 presc drugs regularly breathing problems  
NN363 presc drugs regularly stomach problems  
NN365 rx drugs regularly-anxiety or depression

Wave 12:  
ON175 take rx drugs regularly  
ON283 rx drugs regularly-aspirin or blood thinners  
ON360 rx drugs regularly cholesterol  
ON362 presc drugs regularly breathing problems  
ON363 presc drugs regularly stomach problems  
ON365 rx drugs regularly-anxiety or depression

Wave 13:  
PN175 take rx drugs regularly  
PN283 rx drugs regularly-aspirin or blood thinners  
PN360 rx drugs regularly cholesterol  
PN362 presc drugs regularly breathing problems  
PN363 presc drugs regularly stomach problems  
PN365 rx drugs regularly-anxiety or depression

Wave 14:  
QN175 take rx drugs regularly  
QN283 rx drugs regularly-aspirin or blood thinners  
QN360 rx drugs regularly cholesterol  
QN362 presc drugs regularly breathing problems  
QN363 presc drugs regularly stomach problems  
QN365 rx drugs regularly-anxiety or depression

Wave 15:  
RN175 take rx drugs regularly  
RN283 rx drugs regularly-aspirin or blood thinners  
RN360 rx drugs regularly cholesterol  
RN362 presc drugs regularly breathing problems  
RN363 presc drugs regularly stomach problems  
RN365 rx drugs regularly-anxiety or depression

<b>Cancer Status</b>
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Wave	Variable	Label	Type
03	R3CANCNST	r3cancrst:w3 r cancer status	Categ
04	R4CANCNST	r4cancrst:w4 r cancer status	Categ
05	R5CANCNST	r5cancrst:w5 r cancer status	Categ
06	R6CANCNST	r6cancrst:w6 r cancer status	Categ
07	R7CANCNST	r7cancrst:w7 r cancer status	Categ
08	R8CANCNST	r8cancrst:w8 r cancer status	Categ
09	R9CANCNST	r9cancrst:w9 r cancer status	Categ
10	R10CANCNST	r10cancrst:w10 r cancer status	Categ
11	R11CANCNST	r11cancrst:w11 r cancer status	Categ
12	R12CANCNST	r12cancrst:w12 r cancer status	Categ
13	R13CANCNST	r13cancrst:w13 r cancer status	Categ
14	R14CANCNST	r14cancrst:w14 r cancer status	Categ
15	R15CANCNST	r15cancrst:w15 r cancer status	Categ
03	S3CANCNST	s3cancrst:w3 s cancer status	Categ
04	S4CANCNST	s4cancrst:w4 s cancer status	Categ
05	S5CANCNST	s5cancrst:w5 s cancer status	Categ
06	S6CANCNST	s6cancrst:w6 s cancer status	Categ
07	S7CANCNST	s7cancrst:w7 s cancer status	Categ
08	S8CANCNST	s8cancrst:w8 s cancer status	Categ
09	S9CANCNST	s9cancrst:w9 s cancer status	Categ
10	S10CANCNST	s10cancrst:w10 s cancer status	Categ
11	S11CANCNST	s11cancrst:w11 s cancer status	Categ
12	S12CANCNST	s12cancrst:w12 s cancer status	Categ
13	S13CANCNST	s13cancrst:w13 s cancer status	Categ
14	S14CANCNST	s14cancrst:w14 s cancer status	Categ
15	S15CANCNST	s15cancrst:w15 s cancer status	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3CANCNST	1017	1.51	0.60	1.00	3.00
R4CANCNST	1048	1.51	0.63	1.00	3.00
R5CANCNST	1293	1.59	0.62	1.00	3.00
R6CANCNST	1284	1.56	0.60	1.00	3.00
R7CANCNST	1990	1.57	0.57	1.00	3.00
R8CANCNST	1560	1.58	0.59	1.00	3.00
R9CANCNST	1557	1.57	0.60	1.00	3.00
R10CANCNST	1506	1.63	0.58	1.00	3.00
R11CANCNST	1664	1.63	0.59	1.00	3.00
R12CANCNST	1489	1.63	0.59	1.00	3.00
R13CANCNST	1439	1.45	0.59	1.00	3.00
R14CANCNST	2202	1.38	0.54	1.00	3.00
R15CANCNST	2083	1.37	0.55	1.00	3.00
S3CANCNST	650	1.50	0.61	1.00	3.00
S4CANCNST	649	1.52	0.65	1.00	3.00
S5CANCNST	819	1.59	0.63	1.00	3.00
S6CANCNST	814	1.55	0.61	1.00	3.00
S7CANCNST	1194	1.57	0.58	1.00	3.00
S8CANCNST	940	1.58	0.59	1.00	3.00
S9CANCNST	942	1.56	0.59	1.00	3.00
S10CANCNST	944	1.65	0.59	1.00	3.00
S11CANCNST	1016	1.64	0.59	1.00	3.00
S12CANCNST	879	1.62	0.58	1.00	3.00
S13CANCNST	850	1.46	0.61	1.00	3.00

S14CANCNST	1184	1.40	0.55	1.00	3.00
S15CANCNST	1123	1.35	0.55	1.00	3.00

### Categorical Variable Codes

Value-----	R3CANCNST	R4CANCNST	R5CANCNST
.c:new cancer this wave	373	788	430
.d:DK	2	11	12
.m:Missing	162	11	9
.n:no cancer treatment	225	353	506
.r:Refuse		1	1
.x:no cancer	16212	19172	17327
1.better	554	590	619
2.stayed the same	410	384	584
3.worse	53	74	90

Value-----	R6CANCNST	R7CANCNST	R8CANCNST	R9CANCNST	R10CANCNST
.c:new cancer this wave	480	546	426	423	787
.d:DK	20	25	26	27	60
.m:Missing	42	57	78	9	87
.n:no cancer treatment	556		547		553
.r:Refuse	2	4	1	1	6
.s:skipped				583	
.x:no cancer	15781	17507	15831	14617	19035
1.better	637	944	727	751	635
2.stayed the same	576	962	754	720	790
3.worse	71	84	79	86	81

Value-----	R11CANCNST	R12CANCNST	R13CANCNST	R14CANCNST	R15CANCNST
.c:new cancer this wave	446	387	653	336	349
.d:DK	62	118	22	13	21
.m:Missing	14	100	88	72	83
.n:no cancer treatment		821	1	17	1
.r:Refuse	7	12	2	2	2
.s:skipped	750		789		
.x:no cancer	17611	15820	17918	14504	13184
1.better	711	641	864	1421	1384
2.stayed the same	857	764	499	719	622
3.worse	96	84	76	62	77

Value-----	S3CANCNST	S4CANCNST	S5CANCNST
.c:new cancer this wave	258	517	281
.d:DK	1	8	5
.m:Missing	108	6	4
.n:no cancer treatment	79	194	271
.r:Refuse		1	
.u:not coupled	5659	6870	6537
.v:SP NR	416	536	311
.x:no cancer	10820	12603	11350
1.better	367	369	394
2.stayed the same	244	225	363
3.worse	39	55	62

Value-----	S6CANCNST	S7CANCNST	S8CANCNST	S9CANCNST	S10CANCNST
.c:new cancer this wave	307	354	269	263	493
.d:DK	13	15	20	17	34
.m:Missing	25	28	40	4	44
.n:no cancer treatment	291		306		284
.r:Refuse	1	2	1		2
.s:skipped				326	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no cancer	10181	11375	10152	9088	11707
1.better	416	572	443	465	391
2.stayed the same	349	569	447	430	497
3.worse	49	53	50	47	56

Value-----	S11CANCNST	S12CANCNST	S13CANCNST	S14CANCNST	S15CANCNST
.c:new cancer this wave	279	258	344	208	184
.d:DK	28	65	10	7	7
.m:Missing	8	54	45	38	43
.n:no cancer treatment		384	1	9	1
.r:Refuse	3	9	1	1	
.s:skipped	378		377		

.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.x:no cancer		10764	9363	10150	7911	7108
1.better		429	376	505	746	767
2.stayed the same		527	461	295	404	316
3.worse		60	42	50	34	40

## How Constructed:

RwCANCST indicates the status of the respondent's cancer reported in the previous wave. RwCANCST is available starting in Wave 3. RwCANCST is coded as 1.better, 2.stayed the same, 3.worse. Starting in Wave 13, respondents who voluntarily report that their cancer is gone or in remission are assigned a value of 1. RwCANCST is assigned special missing .x if the respondent has never had cancer. RwCANCST is assigned special missing .n if the respondent reported a cancer diagnosis but has not seen a doctor about the cancer and has not received treatment for the cancer. RwCANCST is assigned special missing .c if the respondent reported a cancer diagnosis in the current wave. In Waves 9, 11, and 13, this question is not asked and RwCANCST is assigned special missing .s if the respondent had been interviewed previously, reported a cancer diagnosis in the previous interview, reported a cancer diagnosis in the current interview, and reported not seeing a doctor for the cancer. Don't know, refused, or other missing responses of RwCANCST are assigned special missing codes .d, .r, and .m, respectively. RwCANCST is set to plain missing (.) for respondents who did not participate in the current wave.

SwCANCST indicates the status of the respondent's current wave's spouse's previously reported cancer, and is taken from RwCANCST. In addition to the special missing codes employed by RwCANCST, SwCANCST employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Starting in Wave 3, respondents who previously reported a cancer diagnosis are asked about the status of their cancer.

In Waves 9, 11, and 13, this question is not asked if the respondent had been interviewed previously, reported a cancer diagnosis in the previous interview, reported a cancer diagnosis in the current interview, and reported not seeing a doctor for the cancer.

Starting in Wave 13, respondents can voluntarily report that their cancer is gone or in remission, rather than select from better, about the same, and worse.

## HRS Variables Used:

### RAND HRS:

R10CANCRE	r10cancre:w10	r ever had cancer
R11CANCRE	r11cancre:w11	r ever had cancer
R12CANCRE	r12cancre:w12	r ever had cancer
R13CANCRE	r13cancre:w13	r ever had cancer
R14CANCRE	r14cancre:w14	r ever had cancer
R15CANCRE	r15cancre:w15	r ever had cancer
R3CANCRE	r3cancre:w3	r ever had cancer
R4CANCRE	r4cancre:w4	r ever had cancer
R5CANCRE	r5cancre:w5	r ever had cancer
R6CANCRE	r6cancre:w6	r ever had cancer
R7CANCRE	r7cancre:w7	r ever had cancer
R8CANCRE	r8cancre:w8	r ever had cancer
R9CANCRE	r9cancre:w9	r ever had cancer

### Wave 3 AHEAD:

D802	b5a. doctor past cancer
D803	b5b. past cancer treated
D805	b5d. cancer better now

### Wave 3 HRS:

E805	b5d. cancer better now
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### Wave 4:

F1130	b5a. doctor past cancer
F1131	b5b. past cancer treated
F1133	b5d. cancer better now
Wave 5:	
G1263	b5a. doctor past cancer
G1264	b5b. past cancer treated
G1266	b5d. cancer better now
Wave 6:	
HC019	r seen doc concerning cancer
HC020	past cancer treated
HC023	cancer better/worse/same now
Wave 7:	
JC019	r seen doc concerning cancer
JC020	past cancer treated
JC023	cancer better/worse/same now
Wave 8:	
KC019	r seen doc concerning cancer
KC020	past cancer treated
KC023	cancer better/worse/same now
Wave 9:	
LC018	cancer of any kind excluding skin
LC019	r seen doc concerning cancer
LC020	past cancer treated
LC023	cancer better/worse/same now
Wave 10:	
MC019	r seen doc concerning cancer
MC020	past cancer treated
MC023	cancer better/worse/same now
Wave 11:	
NC018	cancer of any kind excluding skin
NC019	r seen doc concerning cancer
NC020	past cancer treated
NC023	cancer better/worse/same now
Wave 12:	
OC019	r seen doc concerning cancer
OC020	past cancer treated
OC023	cancer better/worse/same now
Wave 13:	
PC019	r seen doc concerning cancer
PC020	past cancer treated
PC023	cancer better/worse/same now
Wave 14:	
QC019	r seen doc concerning cancer
QC020	past cancer treated
QC023	cancer better/worse/same now
Wave 15:	
RC019	r seen doc concerning cancer
RC020	past cancer treated
RC023	cancer better/worse/same now

<b>Health Behaviors: Body Mass Index Categories and Obesity</b>
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Wave	Variable	Label	Type
01	R1BMICAT	r1bmicat:w1 r bmi categorization	Categ
02	R2BMICAT	r2bmicat:w2 r bmi categorization	Categ
03	R3BMICAT	r3bmicat:w3 r bmi categorization	Categ
04	R4BMICAT	r4bmicat:w4 r bmi categorization	Categ
05	R5BMICAT	r5bmicat:w5 r bmi categorization	Categ
06	R6BMICAT	r6bmicat:w6 r bmi categorization	Categ
07	R7BMICAT	r7bmicat:w7 r bmi categorization	Categ
08	R8BMICAT	r8bmicat:w8 r bmi categorization	Categ
09	R9BMICAT	r9bmicat:w9 r bmi categorization	Categ
10	R10BMICAT	r10bmicat:w10 r bmi categorization	Categ
11	R11BMICAT	r11bmicat:w11 r bmi categorization	Categ
12	R12BMICAT	r12bmicat:w12 r bmi categorization	Categ
13	R13BMICAT	r13bmicat:w13 r bmi categorization	Categ
14	R14BMICAT	r14bmicat:w14 r bmi categorization	Categ
15	R15BMICAT	r15bmicat:w15 r bmi categorization	Categ
01	S1BMICAT	s1bmicat:w1 s bmi categorization	Categ
02	S2BMICAT	s2bmicat:w2 s bmi categorization	Categ
03	S3BMICAT	s3bmicat:w3 s bmi categorization	Categ
04	S4BMICAT	s4bmicat:w4 s bmi categorization	Categ
05	S5BMICAT	s5bmicat:w5 s bmi categorization	Categ
06	S6BMICAT	s6bmicat:w6 s bmi categorization	Categ
07	S7BMICAT	s7bmicat:w7 s bmi categorization	Categ
08	S8BMICAT	s8bmicat:w8 s bmi categorization	Categ
09	S9BMICAT	s9bmicat:w9 s bmi categorization	Categ
10	S10BMICAT	s10bmicat:w10 s bmi categorization	Categ
11	S11BMICAT	s11bmicat:w11 s bmi categorization	Categ
12	S12BMICAT	s12bmicat:w12 s bmi categorization	Categ
13	S13BMICAT	s13bmicat:w13 s bmi categorization	Categ
14	S14BMICAT	s14bmicat:w14 s bmi categorization	Categ
15	S15BMICAT	s15bmicat:w15 s bmi categorization	Categ
01	R1OBESE	r1obese:w1 r whether obese	Categ
02	R2OBESE	r2obese:w2 r whether obese	Categ
03	R3OBESE	r3obese:w3 r whether obese	Categ
04	R4OBESE	r4obese:w4 r whether obese	Categ
05	R5OBESE	r5obese:w5 r whether obese	Categ
06	R6OBESE	r6obese:w6 r whether obese	Categ
07	R7OBESE	r7obese:w7 r whether obese	Categ
08	R8OBESE	r8obese:w8 r whether obese	Categ
09	R9OBESE	r9obese:w9 r whether obese	Categ
10	R10OBESE	r10obese:w10 r whether obese	Categ
11	R11OBESE	r11obese:w11 r whether obese	Categ
12	R12OBESE	r12obese:w12 r whether obese	Categ
13	R13OBESE	r13obese:w13 r whether obese	Categ
14	R14OBESE	r14obese:w14 r whether obese	Categ
15	R15OBESE	r15obese:w15 r whether obese	Categ
01	S1OBESE	s1obese:w1 s whether obese	Categ
02	S2OBESE	s2obese:w2 s whether obese	Categ
03	S3OBESE	s3obese:w3 s whether obese	Categ
04	S4OBESE	s4obese:w4 s whether obese	Categ
05	S5OBESE	s5obese:w5 s whether obese	Categ
06	S6OBESE	s6obese:w6 s whether obese	Categ
07	S7OBESE	s7obese:w7 s whether obese	Categ
08	S8OBESE	s8obese:w8 s whether obese	Categ
09	S9OBESE	s9obese:w9 s whether obese	Categ

10	S10BESE	s10obese:w10	s whether obese	Categ
11	S11BESE	s11obese:w11	s whether obese	Categ
12	S12BESE	s12obese:w12	s whether obese	Categ
13	S13BESE	s13obese:w13	s whether obese	Categ
14	S14BESE	s14obese:w14	s whether obese	Categ
15	S15BESE	s15obese:w15	s whether obese	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BMICAT	12652	2.96	0.98	1.00	6.00
R2BMICAT	19434	2.84	0.95	1.00	6.00
R3BMICAT	17773	2.86	0.97	1.00	6.00
R4BMICAT	21099	2.91	0.99	1.00	6.00
R5BMICAT	19289	2.95	1.01	1.00	6.00
R6BMICAT	17818	2.98	1.03	1.00	6.00
R7BMICAT	19750	3.03	1.06	1.00	6.00
R8BMICAT	18175	3.10	1.08	1.00	6.00
R9BMICAT	16983	3.13	1.09	1.00	6.00
R10BMICAT	21602	3.22	1.13	1.00	6.00
R11BMICAT	20244	3.22	1.13	1.00	6.00
R12BMICAT	18442	3.23	1.14	1.00	6.00
R13BMICAT	20578	3.30	1.16	1.00	6.00
R14BMICAT	16903	3.31	1.17	1.00	6.00
R15BMICAT	15497	3.32	1.16	1.00	6.00
S1BMICAT	9900	2.95	0.95	1.00	6.00
S2BMICAT	12958	2.87	0.93	1.00	6.00
S3BMICAT	11768	2.89	0.95	1.00	6.00
S4BMICAT	13796	2.95	0.97	1.00	6.00
S5BMICAT	12552	2.99	0.98	1.00	6.00
S6BMICAT	11423	3.03	0.99	1.00	6.00
S7BMICAT	12745	3.07	1.02	1.00	6.00
S8BMICAT	11552	3.13	1.04	1.00	6.00
S9BMICAT	10511	3.16	1.06	1.00	6.00
S10BMICAT	13221	3.24	1.09	1.00	6.00
S11BMICAT	12276	3.24	1.10	1.00	6.00
S12BMICAT	10818	3.27	1.10	1.00	6.00
S13BMICAT	11601	3.32	1.12	1.00	6.00
S14BMICAT	9226	3.34	1.13	1.00	6.00
S15BMICAT	8323	3.33	1.13	1.00	6.00
R1OBESE	12652	0.24	0.42	0.00	1.00
R2OBESE	19434	0.20	0.40	0.00	1.00
R3OBESE	17773	0.21	0.41	0.00	1.00
R4OBESE	21099	0.23	0.42	0.00	1.00
R5OBESE	19289	0.24	0.43	0.00	1.00
R6OBESE	17818	0.25	0.44	0.00	1.00
R7OBESE	19750	0.27	0.44	0.00	1.00
R8OBESE	18175	0.30	0.46	0.00	1.00
R9OBESE	16983	0.31	0.46	0.00	1.00
R10OBESE	21602	0.35	0.48	0.00	1.00
R11OBESE	20244	0.35	0.48	0.00	1.00
R12OBESE	18442	0.35	0.48	0.00	1.00
R13OBESE	20578	0.37	0.48	0.00	1.00
R14OBESE	16903	0.38	0.48	0.00	1.00
R15OBESE	15497	0.38	0.48	0.00	1.00
S1OBESE	9900	0.23	0.42	0.00	1.00
S2OBESE	12958	0.20	0.40	0.00	1.00
S3OBESE	11768	0.21	0.41	0.00	1.00
S4OBESE	13796	0.24	0.43	0.00	1.00

S5OBESE	12552	0.25	0.43	0.00	1.00
S6OBESE	11423	0.26	0.44	0.00	1.00
S7OBESE	12745	0.28	0.45	0.00	1.00
S8OBESE	11552	0.30	0.46	0.00	1.00
S9OBESE	10511	0.32	0.47	0.00	1.00
S10OBESE	13221	0.35	0.48	0.00	1.00
S11OBESE	12276	0.35	0.48	0.00	1.00
S12OBESE	10818	0.36	0.48	0.00	1.00
S13OBESE	11601	0.38	0.49	0.00	1.00
S14OBESE	9226	0.38	0.49	0.00	1.00
S15OBESE	8323	0.38	0.48	0.00	1.00

## Categorical Variable Codes

Value-----	R1BMICAT	R2BMICAT	R3BMICAT	R4BMICAT	R5BMICAT
.d:DK		1	1	14	
.m:Missing		207	216	271	288
.r:Refuse			1		1
1.underweight, less than 18	174	455	454	529	405
2.Normal weight, 18.5 to 24	4350	7480	6776	7554	6694
3.pre-obesity, 25 to 29.9	5147	7570	6802	8158	7548
4.obesity class 1, 30 to 34	2079	2854	2658	3446	3190
5.obesity class 2, 35 to 39	611	749	765	966	985
6.obesity class 3, 40 or gr	291	326	318	446	467

Value-----	R6BMICAT	R7BMICAT	R8BMICAT	R9BMICAT	R10BMICAT
.d:DK	3	28	19	7	146
.m:Missing	344	350	275	227	283
.r:Refuse		1			3
1.underweight, less than 18	398	393	338	304	316
2.Normal weight, 18.5 to 24	6072	6558	5537	5052	5977
3.pre-obesity, 25 to 29.9	6808	7429	6870	6380	7855
4.obesity class 1, 30 to 34	3053	3517	3511	3336	4583
5.obesity class 2, 35 to 39	1036	1215	1254	1272	1814
6.obesity class 3, 40 or gr	451	638	665	639	1057

Value-----	R11BMICAT	R12BMICAT	R13BMICAT	R14BMICAT	R15BMICAT
.d:DK	53	42	80	29	27
.m:Missing	257	263	253	214	199
.r:Refuse			1		
1.underweight, less than 18	344	321	332	284	248
2.Normal weight, 18.5 to 24	5597	4968	5148	4151	3779
3.pre-obesity, 25 to 29.9	7317	6735	7450	6105	5627
4.obesity class 1, 30 to 34	4302	3916	4537	3752	3440
5.obesity class 2, 35 to 39	1689	1553	1912	1586	1490
6.obesity class 3, 40 or gr	995	949	1199	1025	913

Value-----	S1BMICAT	S2BMICAT	S3BMICAT	S4BMICAT	S5BMICAT
.d:DK		1		5	
.m:Missing		129	147	177	177
.r:Refuse			1		1
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
1.underweight, less than 18	114	204	201	216	152
2.Normal weight, 18.5 to 24	3385	4811	4284	4672	4122
3.pre-obesity, 25 to 29.9	4168	5297	4756	5634	5164
4.obesity class 1, 30 to 34	1579	1950	1830	2353	2177
5.obesity class 2, 35 to 39	461	494	505	638	650
6.obesity class 3, 40 or gr	193	202	192	283	287

Value-----	S6BMICAT	S7BMICAT	S8BMICAT	S9BMICAT	S10BMICAT
.d:DK	3	18	11	5	112
.m:Missing	206	204	165	124	173
.r:Refuse		1			2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.underweight, less than 18	131	137	133	118	135
2.Normal weight, 18.5 to 24	3626	3956	3260	2911	3419
3.pre-obesity, 25 to 29.9	4646	5081	4658	4156	5060
4.obesity class 1, 30 to 34	2073	2407	2323	2172	2902
5.obesity class 2, 35 to 39	691	790	801	790	1123
6.obesity class 3, 40 or gr	256	374	377	364	582



Value-----	S11BMICAT	S12BMICAT	S13BMICAT	S14BMICAT	S15BMICAT
.d:DK	44	29	52	17	21
.m:Missing	156	165	125	115	122
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.underweight, less than 18	154	116	138	105	99
2.Normal weight, 18.5 to 24	3141	2693	2695	2089	1892
3.pre-obesity, 25 to 29.9	4678	4159	4337	3518	3206
4.obesity class 1, 30 to 34	2718	2405	2744	2144	1871
5.obesity class 2, 35 to 39	1023	927	1071	843	794
6.obesity class 3, 40 or gr	562	518	616	527	461
Value-----	R1OBESE	R2OBESE	R3OBESE	R4OBESE	R5OBESE
.d:DK		1	1	14	
.m:Missing		207	216	271	288
.r:Refuse			1		1
0.no	9671	15505	14032	16241	14647
1.yes	2981	3929	3741	4858	4642
Value-----	R6OBESE	R7OBESE	R8OBESE	R9OBESE	R10OBESE
.d:DK	3	28	19	7	146
.m:Missing	344	350	275	227	283
.r:Refuse		1			3
0.no	13278	14380	12745	11736	14148
1.yes	4540	5370	5430	5247	7454
Value-----	R11OBESE	R12OBESE	R13OBESE	R14OBESE	R15OBESE
.d:DK	53	42	80	29	27
.m:Missing	257	263	253	214	199
.r:Refuse			1		
0.no	13258	12024	12930	10540	9654
1.yes	6986	6418	7648	6363	5843
Value-----	S1OBESE	S2OBESE	S3OBESE	S4OBESE	S5OBESE
.d:DK		1		5	
.m:Missing		129	147	177	177
.r:Refuse			1		1
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	7667	10312	9241	10522	9438
1.yes	2233	2646	2527	3274	3114
Value-----	S6OBESE	S7OBESE	S8OBESE	S9OBESE	S10OBESE
.d:DK	3	18	11	5	112
.m:Missing	206	204	165	124	173
.r:Refuse		1			2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	8403	9174	8051	7185	8614
1.yes	3020	3571	3501	3326	4607
Value-----	S11OBESE	S12OBESE	S13OBESE	S14OBESE	S15OBESE
.d:DK	44	29	52	17	21
.m:Missing	156	165	125	115	122
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	7973	6968	7170	5712	5197
1.yes	4303	3850	4431	3514	3126

## How Constructed:

RwBMICAT indicates the respondent's reported BMI category according to WHO standards. RwBMICAT is coded as follows: 1.underweight, less than 18.5, 2.normal weight, 18.5 to 24.9, 3.pre-obesity, 25 to 25.9, 4.obesity class 1, 30 to 34.9, 5.obesity class 2, 35 to 39.9, 6.obesity class 3, 40 or greater. RwoBESE indicates whether the respondent's BMI is categorized as obese, meaning a BMI of 30 or greater. RwoBESE is coded as 0.no, and 1.yes. Don't know, refused, or other missing responses of RwBMICAT and RwoBESE are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwBMICAT and SwOBESE indicate the respondent's current wave's spouse's reported BMI category and obesity status, and are taken from RwBMICAT and RwoBESE. In addition to the special missing codes employed by RwBMICAT and RwoBESE, SwBMICAT and SwOBESE employ two additional special missing codes. A special missing

value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

Please see the RAND HRS for any cross wave differences in RwbBMI, RwwHEIGHT, and RwhHEIGHT. Please note that the values used for these measures are those reported by the respondent, not measured in the health assessment.

### HRS Variables Used:

RAND HRS:

R10BMI	r10bmi:w10	self-reported body mass index=kg/m2
R11BMI	r11bmi:w11	self-reported body mass index=kg/m2
R12BMI	r12bmi:w12	self-reported body mass index=kg/m2
R13BMI	r13bmi:w13	self-reported body mass index=kg/m2
R14BMI	r14bmi:w14	self-reported body mass index=kg/m2
R15BMI	r15bmi:w15	self-reported body mass index=kg/m2
R1BMI	r1bmi:w1	self-reported body mass index=kg/m2
R2BMI	r2bmi:w2	self-reported body mass index=kg/m2
R3BMI	r3bmi:w3	self-reported body mass index=kg/m2
R4BMI	r4bmi:w4	self-reported body mass index=kg/m2
R5BMI	r5bmi:w5	self-reported body mass index=kg/m2
R6BMI	r6bmi:w6	self-reported body mass index=kg/m2
R7BMI	r7bmi:w7	self-reported body mass index=kg/m2
R8BMI	r8bmi:w8	self-reported body mass index=kg/m2
R9BMI	r9bmi:w9	self-reported body mass index=kg/m2

<b>Health Behaviors: Drinking Habits</b>
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Wave	Variable	Label	Type
01	R1DRINKCUT	r1drinkcut:w1 r feels should cut down on drinking	Categ
02	R2DRINKCUT	r2drinkcut:w2 r feels should cut down on drinking	Categ
03	R3DRINKCUT	r3drinkcut:w3 r feels should cut down on drinking	Categ
04	R4DRINKCUT	r4drinkcut:w4 r feels should cut down on drinking	Categ
05	R5DRINKCUT	r5drinkcut:w5 r feels should cut down on drinking	Categ
06	R6DRINKCUT	r6drinkcut:w6 r feels should cut down on drinking	Categ
07	R7DRINKCUT	r7drinkcut:w7 r feels should cut down on drinking	Categ
08	R8DRINKCUT	r8drinkcut:w8 r feels should cut down on drinking	Categ
09	R9DRINKCUT	r9drinkcut:w9 r feels should cut down on drinking	Categ
10	R10DRINKCUT	r10drinkcut:w10 r feels should cut down on drinking	Categ
11	R11DRINKCUT	r11drinkcut:w11 r feels should cut down on drinking	Categ
12	R12DRINKCUT	r12drinkcut:w12 r feels should cut down on drinking	Categ
13	R13DRINKCUT	r13drinkcut:w13 r feels should cut down on drinking	Categ
14	R14DRINKCUT	r14drinkcut:w14 r feels should cut down on drinking	Categ
15	R15DRINKCUT	r15drinkcut:w15 r feels should cut down on drinking	Categ
01	S1DRINKCUT	s1drinkcut:w1 s feels should cut down on drinking	Categ
02	S2DRINKCUT	s2drinkcut:w2 s feels should cut down on drinking	Categ
03	S3DRINKCUT	s3drinkcut:w3 s feels should cut down on drinking	Categ
04	S4DRINKCUT	s4drinkcut:w4 s feels should cut down on drinking	Categ
05	S5DRINKCUT	s5drinkcut:w5 s feels should cut down on drinking	Categ
06	S6DRINKCUT	s6drinkcut:w6 s feels should cut down on drinking	Categ
07	S7DRINKCUT	s7drinkcut:w7 s feels should cut down on drinking	Categ
08	S8DRINKCUT	s8drinkcut:w8 s feels should cut down on drinking	Categ
09	S9DRINKCUT	s9drinkcut:w9 s feels should cut down on drinking	Categ
10	S10DRINKCUT	s10drinkcut:w10 s feels should cut down on drinking	Categ
11	S11DRINKCUT	s11drinkcut:w11 s feels should cut down on drinking	Categ
12	S12DRINKCUT	s12drinkcut:w12 s feels should cut down on drinking	Categ
13	S13DRINKCUT	s13drinkcut:w13 s feels should cut down on drinking	Categ
14	S14DRINKCUT	s14drinkcut:w14 s feels should cut down on drinking	Categ
15	S15DRINKCUT	s15drinkcut:w15 s feels should cut down on drinking	Categ
01	R1DRINKCR	r1drinkcr:w1 r others criticize your drinking	Categ
04	R4DRINKCR	r4drinkcr:w4 r others criticize your drinking	Categ
05	R5DRINKCR	r5drinkcr:w5 r others criticize your drinking	Categ
06	R6DRINKCR	r6drinkcr:w6 r others criticize your drinking	Categ
07	R7DRINKCR	r7drinkcr:w7 r others criticize your drinking	Categ
08	R8DRINKCR	r8drinkcr:w8 r others criticize your drinking	Categ
09	R9DRINKCR	r9drinkcr:w9 r others criticize your drinking	Categ
10	R10DRINKCR	r10drinkcr:w10 r others criticize your drinking	Categ
11	R11DRINKCR	r11drinkcr:w11 r others criticize your drinking	Categ
12	R12DRINKCR	r12drinkcr:w12 r others criticize your drinking	Categ
13	R13DRINKCR	r13drinkcr:w13 r others criticize your drinking	Categ
14	R14DRINKCR	r14drinkcr:w14 r others criticize your drinking	Categ
15	R15DRINKCR	r15drinkcr:w15 r others criticize your drinking	Categ
01	S1DRINKCR	s1drinkcr:w1 s others criticize your drinking	Categ
04	S4DRINKCR	s4drinkcr:w4 s others criticize your drinking	Categ
05	S5DRINKCR	s5drinkcr:w5 s others criticize your drinking	Categ
06	S6DRINKCR	s6drinkcr:w6 s others criticize your drinking	Categ
07	S7DRINKCR	s7drinkcr:w7 s others criticize your drinking	Categ
08	S8DRINKCR	s8drinkcr:w8 s others criticize your drinking	Categ
09	S9DRINKCR	s9drinkcr:w9 s others criticize your drinking	Categ
10	S10DRINKCR	s10drinkcr:w10 s others criticize your drinking	Categ
11	S11DRINKCR	s11drinkcr:w11 s others criticize your drinking	Categ
12	S12DRINKCR	s12drinkcr:w12 s others criticize your drinking	Categ
13	S13DRINKCR	s13drinkcr:w13 s others criticize your drinking	Categ

14	S14DRINKCR	s14drinkcr:w14 s others criticize your drinking	Categ
15	S15DRINKCR	s15drinkcr:w15 s others criticize your drinking	Categ
01	R1DRINKBD	r1drinkbd:w1 r feels bad about drinking	Categ
04	R4DRINKBD	r4drinkbd:w4 r feels bad about drinking	Categ
05	R5DRINKBD	r5drinkbd:w5 r feels bad about drinking	Categ
06	R6DRINKBD	r6drinkbd:w6 r feels bad about drinking	Categ
07	R7DRINKBD	r7drinkbd:w7 r feels bad about drinking	Categ
08	R8DRINKBD	r8drinkbd:w8 r feels bad about drinking	Categ
09	R9DRINKBD	r9drinkbd:w9 r feels bad about drinking	Categ
10	R10DRINKBD	r10drinkbd:w10 r feels bad about drinking	Categ
11	R11DRINKBD	r11drinkbd:w11 r feels bad about drinking	Categ
12	R12DRINKBD	r12drinkbd:w12 r feels bad about drinking	Categ
13	R13DRINKBD	r13drinkbd:w13 r feels bad about drinking	Categ
14	R14DRINKBD	r14drinkbd:w14 r feels bad about drinking	Categ
15	R15DRINKBD	r15drinkbd:w15 r feels bad about drinking	Categ
01	S1DRINKBD	s1drinkbd:w1 s feels bad about drinking	Categ
04	S4DRINKBD	s4drinkbd:w4 s feels bad about drinking	Categ
05	S5DRINKBD	s5drinkbd:w5 s feels bad about drinking	Categ
06	S6DRINKBD	s6drinkbd:w6 s feels bad about drinking	Categ
07	S7DRINKBD	s7drinkbd:w7 s feels bad about drinking	Categ
08	S8DRINKBD	s8drinkbd:w8 s feels bad about drinking	Categ
09	S9DRINKBD	s9drinkbd:w9 s feels bad about drinking	Categ
10	S10DRINKBD	s10drinkbd:w10 s feels bad about drinking	Categ
11	S11DRINKBD	s11drinkbd:w11 s feels bad about drinking	Categ
12	S12DRINKBD	s12drinkbd:w12 s feels bad about drinking	Categ
13	S13DRINKBD	s13drinkbd:w13 s feels bad about drinking	Categ
14	S14DRINKBD	s14drinkbd:w14 s feels bad about drinking	Categ
15	S15DRINKBD	s15drinkbd:w15 s feels bad about drinking	Categ
01	R1DRINKNR	r1drinknr:w1 r takes drink for nerve in am	Categ
04	R4DRINKNR	r4drinknr:w4 r takes drink for nerve in am	Categ
05	R5DRINKNR	r5drinknr:w5 r takes drink for nerve in am	Categ
06	R6DRINKNR	r6drinknr:w6 r takes drink for nerve in am	Categ
07	R7DRINKNR	r7drinknr:w7 r takes drink for nerve in am	Categ
08	R8DRINKNR	r8drinknr:w8 r takes drink for nerve in am	Categ
09	R9DRINKNR	r9drinknr:w9 r takes drink for nerve in am	Categ
10	R10DRINKNR	r10drinknr:w10 r takes drink for nerve in am	Categ
11	R11DRINKNR	r11drinknr:w11 r takes drink for nerve in am	Categ
12	R12DRINKNR	r12drinknr:w12 r takes drink for nerve in am	Categ
13	R13DRINKNR	r13drinknr:w13 r takes drink for nerve in am	Categ
14	R14DRINKNR	r14drinknr:w14 r takes drink for nerve in am	Categ
15	R15DRINKNR	r15drinknr:w15 r takes drink for nerve in am	Categ
01	S1DRINKNR	s1drinknr:w1 s takes drink for nerve in am	Categ
04	S4DRINKNR	s4drinknr:w4 s takes drink for nerve in am	Categ
05	S5DRINKNR	s5drinknr:w5 s takes drink for nerve in am	Categ
06	S6DRINKNR	s6drinknr:w6 s takes drink for nerve in am	Categ
07	S7DRINKNR	s7drinknr:w7 s takes drink for nerve in am	Categ
08	S8DRINKNR	s8drinknr:w8 s takes drink for nerve in am	Categ
09	S9DRINKNR	s9drinknr:w9 s takes drink for nerve in am	Categ
10	S10DRINKNR	s10drinknr:w10 s takes drink for nerve in am	Categ
11	S11DRINKNR	s11drinknr:w11 s takes drink for nerve in am	Categ
12	S12DRINKNR	s12drinknr:w12 s takes drink for nerve in am	Categ
13	S13DRINKNR	s13drinknr:w13 s takes drink for nerve in am	Categ
14	S14DRINKNR	s14drinknr:w14 s takes drink for nerve in am	Categ
15	S15DRINKNR	s15drinknr:w15 s takes drink for nerve in am	Categ
01	R1CAGE	r1cage:w1 r cage summary	Cont
04	R4CAGE	r4cage:w4 r cage summary	Cont
05	R5CAGE	r5cage:w5 r cage summary	Cont
06	R6CAGE	r6cage:w6 r cage summary	Cont

07	R7CAGE	r7cage:w7 r cage summary	Cont
08	R8CAGE	r8cage:w8 r cage summary	Cont
09	R9CAGE	r9cage:w9 r cage summary	Cont
10	R10CAGE	r10cage:w10 r cage summary	Cont
11	R11CAGE	r11cage:w11 r cage summary	Cont
12	R12CAGE	r12cage:w12 r cage summary	Cont
13	R13CAGE	r13cage:w13 r cage summary	Cont
14	R14CAGE	r14cage:w14 r cage summary	Cont
15	R15CAGE	r15cage:w15 r cage summary	Cont
01	S1CAGE	s1cage:w1 s cage summary	Cont
04	S4CAGE	s4cage:w4 s cage summary	Cont
05	S5CAGE	s5cage:w5 s cage summary	Cont
06	S6CAGE	s6cage:w6 s cage summary	Cont
07	S7CAGE	s7cage:w7 s cage summary	Cont
08	S8CAGE	s8cage:w8 s cage summary	Cont
09	S9CAGE	s9cage:w9 s cage summary	Cont
10	S10CAGE	s10cage:w10 s cage summary	Cont
11	S11CAGE	s11cage:w11 s cage summary	Cont
12	S12CAGE	s12cage:w12 s cage summary	Cont
13	S13CAGE	s13cage:w13 s cage summary	Cont
14	S14CAGE	s14cage:w14 s cage summary	Cont
15	S15CAGE	s15cage:w15 s cage summary	Cont
01	R1CAGEM	r1cagem:w1 r cage missings	Cont
04	R4CAGEM	r4cagem:w4 r cage missings	Cont
05	R5CAGEM	r5cagem:w5 r cage missings	Cont
06	R6CAGEM	r6cagem:w6 r cage missings	Cont
07	R7CAGEM	r7cagem:w7 r cage missings	Cont
08	R8CAGEM	r8cagem:w8 r cage missings	Cont
09	R9CAGEM	r9cagem:w9 r cage missings	Cont
10	R10CAGEM	r10cagem:w10 r cage missings	Cont
11	R11CAGEM	r11cagem:w11 r cage missings	Cont
12	R12CAGEM	r12cagem:w12 r cage missings	Cont
13	R13CAGEM	r13cagem:w13 r cage missings	Cont
14	R14CAGEM	r14cagem:w14 r cage missings	Cont
15	R15CAGEM	r15cagem:w15 r cage missings	Cont
01	S1CAGEM	s1cagem:w1 s cage missings	Cont
04	S4CAGEM	s4cagem:w4 s cage missings	Cont
05	S5CAGEM	s5cagem:w5 s cage missings	Cont
06	S6CAGEM	s6cagem:w6 s cage missings	Cont
07	S7CAGEM	s7cagem:w7 s cage missings	Cont
08	S8CAGEM	s8cagem:w8 s cage missings	Cont
09	S9CAGEM	s9cagem:w9 s cage missings	Cont
10	S10CAGEM	s10cagem:w10 s cage missings	Cont
11	S11CAGEM	s11cagem:w11 s cage missings	Cont
12	S12CAGEM	s12cagem:w12 s cage missings	Cont
13	S13CAGEM	s13cagem:w13 s cage missings	Cont
14	S14CAGEM	s14cagem:w14 s cage missings	Cont
15	S15CAGEM	s15cagem:w15 s cage missings	Cont
03	R3DRINKB	r3drinkb:w3 r ever binge drinks	Categ
04	R4DRINKB	r4drinkb:w4 r ever binge drinks	Categ
05	R5DRINKB	r5drinkb:w5 r ever binge drinks	Categ
06	R6DRINKB	r6drinkb:w6 r ever binge drinks	Categ
07	R7DRINKB	r7drinkb:w7 r ever binge drinks	Categ
08	R8DRINKB	r8drinkb:w8 r ever binge drinks	Categ
09	R9DRINKB	r9drinkb:w9 r ever binge drinks	Categ
10	R10DRINKB	r10drinkb:w10 r ever binge drinks	Categ
11	R11DRINKB	r11drinkb:w11 r ever binge drinks	Categ
12	R12DRINKB	r12drinkb:w12 r ever binge drinks	Categ
13	R13DRINKB	r13drinkb:w13 r ever binge drinks	Categ

14	R14DRINKB	r14drinkb:w14	r	ever	binge	drinks	Categ
15	R15DRINKB	r15drinkb:w15	r	ever	binge	drinks	Categ
03	S3DRINKB	s3drinkb:w3	s	ever	binge	drinks	Categ
04	S4DRINKB	s4drinkb:w4	s	ever	binge	drinks	Categ
05	S5DRINKB	s5drinkb:w5	s	ever	binge	drinks	Categ
06	S6DRINKB	s6drinkb:w6	s	ever	binge	drinks	Categ
07	S7DRINKB	s7drinkb:w7	s	ever	binge	drinks	Categ
08	S8DRINKB	s8drinkb:w8	s	ever	binge	drinks	Categ
09	S9DRINKB	s9drinkb:w9	s	ever	binge	drinks	Categ
10	S10DRINKB	s10drinkb:w10	s	ever	binge	drinks	Categ
11	S11DRINKB	s11drinkb:w11	s	ever	binge	drinks	Categ
12	S12DRINKB	s12drinkb:w12	s	ever	binge	drinks	Categ
13	S13DRINKB	s13drinkb:w13	s	ever	binge	drinks	Categ
14	S14DRINKB	s14drinkb:w14	s	ever	binge	drinks	Categ
15	S15DRINKB	s15drinkb:w15	s	ever	binge	drinks	Categ
03	R3BINGED	r3binged:w3	r	number	days	binge	Cont
04	R4BINGED	r4binged:w4	r	number	days	binge	Cont
05	R5BINGED	r5binged:w5	r	number	days	binge	Cont
06	R6BINGED	r6binged:w6	r	number	days	binge	Cont
07	R7BINGED	r7binged:w7	r	number	days	binge	Cont
08	R8BINGED	r8binged:w8	r	number	days	binge	Cont
09	R9BINGED	r9binged:w9	r	number	days	binge	Cont
10	R10BINGED	r10binged:w10	r	number	days	binge	Cont
11	R11BINGED	r11binged:w11	r	number	days	binge	Cont
12	R12BINGED	r12binged:w12	r	number	days	binge	Cont
13	R13BINGED	r13binged:w13	r	number	days	binge	Cont
14	R14BINGED	r14binged:w14	r	number	days	binge	Cont
15	R15BINGED	r15binged:w15	r	number	days	binge	Cont
03	S3BINGED	s3binged:w3	s	number	days	binge	Cont
04	S4BINGED	s4binged:w4	s	number	days	binge	Cont
05	S5BINGED	s5binged:w5	s	number	days	binge	Cont
06	S6BINGED	s6binged:w6	s	number	days	binge	Cont
07	S7BINGED	s7binged:w7	s	number	days	binge	Cont
08	S8BINGED	s8binged:w8	s	number	days	binge	Cont
09	S9BINGED	s9binged:w9	s	number	days	binge	Cont
10	S10BINGED	s10binged:w10	s	number	days	binge	Cont
11	S11BINGED	s11binged:w11	s	number	days	binge	Cont
12	S12BINGED	s12binged:w12	s	number	days	binge	Cont
13	S13BINGED	s13binged:w13	s	number	days	binge	Cont
14	S14BINGED	s14binged:w14	s	number	days	binge	Cont
15	S15BINGED	s15binged:w15	s	number	days	binge	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DRINKCUT	12652	0.20	0.40	0.00	1.00
R2DRINKCUT	8219	0.13	0.34	0.00	1.00
R3DRINKCUT	6629	0.08	0.28	0.00	1.00
R4DRINKCUT	3869	0.25	0.43	0.00	1.00
R5DRINKCUT	170	0.31	0.46	0.00	1.00
R6DRINKCUT	158	0.25	0.43	0.00	1.00
R7DRINKCUT	2896	0.29	0.45	0.00	1.00
R8DRINKCUT	161	0.28	0.45	0.00	1.00
R9DRINKCUT	108	0.35	0.48	0.00	1.00
R10DRINKCUT	5559	0.35	0.48	0.00	1.00
R11DRINKCUT	405	0.28	0.45	0.00	1.00
R12DRINKCUT	147	0.40	0.49	0.00	1.00
R13DRINKCUT	4041	0.32	0.47	0.00	1.00
R14DRINKCUT	176	0.43	0.50	0.00	1.00

R15DRINKCUT	145	0.32	0.47	0.00	1.00
S1DRINKCUT	9900	0.19	0.39	0.00	1.00
S2DRINKCUT	4349	0.15	0.35	0.00	1.00
S3DRINKCUT	3447	0.10	0.30	0.00	1.00
S4DRINKCUT	2655	0.24	0.43	0.00	1.00
S5DRINKCUT	157	0.31	0.46	0.00	1.00
S6DRINKCUT	148	0.22	0.42	0.00	1.00
S7DRINKCUT	2016	0.28	0.45	0.00	1.00
S8DRINKCUT	153	0.27	0.45	0.00	1.00
S9DRINKCUT	106	0.35	0.48	0.00	1.00
S10DRINKCUT	3509	0.35	0.48	0.00	1.00
S11DRINKCUT	350	0.30	0.46	0.00	1.00
S12DRINKCUT	139	0.40	0.49	0.00	1.00
S13DRINKCUT	2203	0.32	0.47	0.00	1.00
S14DRINKCUT	160	0.43	0.50	0.00	1.00
S15DRINKCUT	126	0.34	0.48	0.00	1.00
R1DRINKCR	12652	0.10	0.30	0.00	1.00
R4DRINKCR	3869	0.10	0.31	0.00	1.00
R5DRINKCR	169	0.14	0.35	0.00	1.00
R6DRINKCR	158	0.12	0.33	0.00	1.00
R7DRINKCR	2896	0.13	0.33	0.00	1.00
R8DRINKCR	161	0.10	0.30	0.00	1.00
R9DRINKCR	108	0.19	0.40	0.00	1.00
R10DRINKCR	5565	0.14	0.35	0.00	1.00
R11DRINKCR	406	0.11	0.31	0.00	1.00
R12DRINKCR	146	0.16	0.37	0.00	1.00
R13DRINKCR	4046	0.13	0.33	0.00	1.00
R14DRINKCR	178	0.13	0.34	0.00	1.00
R15DRINKCR	145	0.11	0.31	0.00	1.00
S1DRINKCR	9900	0.10	0.29	0.00	1.00
S4DRINKCR	2655	0.10	0.31	0.00	1.00
S5DRINKCR	156	0.14	0.35	0.00	1.00
S6DRINKCR	148	0.11	0.31	0.00	1.00
S7DRINKCR	2015	0.13	0.33	0.00	1.00
S8DRINKCR	153	0.10	0.31	0.00	1.00
S9DRINKCR	106	0.19	0.39	0.00	1.00
S10DRINKCR	3513	0.14	0.35	0.00	1.00
S11DRINKCR	351	0.12	0.32	0.00	1.00
S12DRINKCR	138	0.16	0.37	0.00	1.00
S13DRINKCR	2207	0.13	0.33	0.00	1.00
S14DRINKCR	162	0.13	0.34	0.00	1.00
S15DRINKCR	126	0.12	0.33	0.00	1.00
R1DRINKBD	12652	0.13	0.34	0.00	1.00
R4DRINKBD	3868	0.15	0.36	0.00	1.00
R5DRINKBD	169	0.17	0.38	0.00	1.00
R6DRINKBD	158	0.17	0.38	0.00	1.00
R7DRINKBD	2896	0.20	0.40	0.00	1.00
R8DRINKBD	161	0.20	0.40	0.00	1.00
R9DRINKBD	108	0.17	0.37	0.00	1.00
R10DRINKBD	5564	0.22	0.42	0.00	1.00
R11DRINKBD	405	0.17	0.38	0.00	1.00
R12DRINKBD	146	0.21	0.41	0.00	1.00
R13DRINKBD	4050	0.20	0.40	0.00	1.00
R14DRINKBD	177	0.19	0.39	0.00	1.00
R15DRINKBD	145	0.21	0.41	0.00	1.00
S1DRINKBD	9900	0.13	0.33	0.00	1.00
S4DRINKBD	2654	0.15	0.36	0.00	1.00
S5DRINKBD	156	0.17	0.37	0.00	1.00

S6DRINKBD	148	0.16	0.36	0.00	1.00
S7DRINKBD	2015	0.19	0.39	0.00	1.00
S8DRINKBD	153	0.20	0.40	0.00	1.00
S9DRINKBD	106	0.17	0.38	0.00	1.00
S10DRINKBD	3513	0.23	0.42	0.00	1.00
S11DRINKBD	350	0.19	0.39	0.00	1.00
S12DRINKBD	138	0.20	0.40	0.00	1.00
S13DRINKBD	2208	0.20	0.40	0.00	1.00
S14DRINKBD	161	0.18	0.39	0.00	1.00
S15DRINKBD	126	0.21	0.41	0.00	1.00
R1DRINKNR	12652	0.05	0.22	0.00	1.00
R4DRINKNR	3869	0.05	0.23	0.00	1.00
R5DRINKNR	169	0.09	0.29	0.00	1.00
R6DRINKNR	157	0.07	0.26	0.00	1.00
R7DRINKNR	2897	0.07	0.26	0.00	1.00
R8DRINKNR	161	0.09	0.29	0.00	1.00
R9DRINKNR	108	0.14	0.35	0.00	1.00
R10DRINKNR	5565	0.08	0.27	0.00	1.00
R11DRINKNR	406	0.06	0.25	0.00	1.00
R12DRINKNR	147	0.10	0.29	0.00	1.00
R13DRINKNR	4049	0.09	0.28	0.00	1.00
R14DRINKNR	178	0.11	0.31	0.00	1.00
R15DRINKNR	145	0.12	0.32	0.00	1.00
S1DRINKNR	9900	0.05	0.21	0.00	1.00
S4DRINKNR	2655	0.05	0.21	0.00	1.00
S5DRINKNR	156	0.09	0.29	0.00	1.00
S6DRINKNR	147	0.06	0.24	0.00	1.00
S7DRINKNR	2016	0.07	0.25	0.00	1.00
S8DRINKNR	153	0.10	0.30	0.00	1.00
S9DRINKNR	106	0.13	0.34	0.00	1.00
S10DRINKNR	3514	0.08	0.26	0.00	1.00
S11DRINKNR	351	0.07	0.25	0.00	1.00
S12DRINKNR	139	0.10	0.30	0.00	1.00
S13DRINKNR	2208	0.08	0.28	0.00	1.00
S14DRINKNR	162	0.10	0.31	0.00	1.00
S15DRINKNR	126	0.13	0.33	0.00	1.00
R1CAGE	12652	0.48	0.98	0.00	4.00
R4CAGE	3869	0.56	1.00	0.00	4.00
R5CAGE	170	0.71	1.18	0.00	4.00
R6CAGE	158	0.61	1.10	0.00	4.00
R7CAGE	2898	0.69	1.10	0.00	4.00
R8CAGE	161	0.67	1.16	0.00	4.00
R9CAGE	108	0.85	1.21	0.00	4.00
R10CAGE	5566	0.79	1.12	0.00	4.00
R11CAGE	406	0.63	1.02	0.00	4.00
R12CAGE	147	0.86	1.19	0.00	4.00
R13CAGE	4053	0.73	1.09	0.00	4.00
R14CAGE	178	0.85	1.14	0.00	4.00
R15CAGE	145	0.76	1.17	0.00	4.00
S1CAGE	9900	0.46	0.96	0.00	4.00
S4CAGE	2655	0.54	0.98	0.00	4.00
S5CAGE	157	0.71	1.18	0.00	4.00
S6CAGE	148	0.55	1.05	0.00	4.00
S7CAGE	2017	0.66	1.07	0.00	4.00
S8CAGE	153	0.68	1.17	0.00	4.00
S9CAGE	106	0.84	1.20	0.00	4.00
S10CAGE	3514	0.79	1.12	0.00	4.00
S11CAGE	351	0.67	1.05	0.00	4.00
S12CAGE	139	0.86	1.21	0.00	4.00



S13CAGE	2209	0.73	1.08	0.00	4.00
S14CAGE	162	0.83	1.13	0.00	4.00
S15CAGE	126	0.79	1.20	0.00	4.00
R1CAGEM	42406	2.81	1.83	0.00	4.00
R4CAGEM	21384	3.28	1.54	0.00	4.00
R5CAGEM	19578	3.97	0.37	0.00	4.00
R6CAGEM	18165	3.97	0.37	0.00	4.00
R7CAGEM	20129	3.42	1.40	0.00	4.00
R8CAGEM	18469	3.97	0.37	0.00	4.00
R9CAGEM	17217	3.97	0.32	0.00	4.00
R10CAGEM	22034	2.99	1.74	0.00	4.00
R11CAGEM	20554	3.92	0.56	0.00	4.00
R12CAGEM	18747	3.97	0.35	0.00	4.00
R13CAGEM	20912	3.23	1.58	0.00	4.00
R14CAGEM	17146	3.96	0.40	0.00	4.00
R15CAGEM	15723	3.96	0.38	0.00	4.00
S1CAGEM	42406	3.07	1.69	0.00	4.00
S4CAGEM	21384	3.50	1.32	0.00	4.00
S5CAGEM	19578	3.97	0.36	0.00	4.00
S6CAGEM	18165	3.97	0.36	0.00	4.00
S7CAGEM	20129	3.60	1.20	0.00	4.00
S8CAGEM	18469	3.97	0.36	0.00	4.00
S9CAGEM	17217	3.98	0.31	0.00	4.00
S10CAGEM	22034	3.36	1.46	0.00	4.00
S11CAGEM	20554	3.93	0.52	0.00	4.00
S12CAGEM	18747	3.97	0.34	0.00	4.00
S13CAGEM	20912	3.58	1.23	0.00	4.00
S14CAGEM	17146	3.96	0.39	0.00	4.00
S15CAGEM	15723	3.97	0.36	0.00	4.00
R3DRINKB	17887	0.10	0.29	0.00	1.00
R4DRINKB	21255	0.09	0.28	0.00	1.00
R5DRINKB	19487	0.08	0.27	0.00	1.00
R6DRINKB	18072	0.09	0.29	0.00	1.00
R7DRINKB	20024	0.11	0.31	0.00	1.00
R8DRINKB	18365	0.10	0.30	0.00	1.00
R9DRINKB	17140	0.10	0.30	0.00	1.00
R10DRINKB	21904	0.14	0.34	0.00	1.00
R11DRINKB	20415	0.12	0.33	0.00	1.00
R12DRINKB	18604	0.12	0.33	0.00	1.00
R13DRINKB	20737	0.15	0.36	0.00	1.00
R14DRINKB	17020	0.14	0.34	0.00	1.00
R15DRINKB	15523	0.13	0.34	0.00	1.00
S3DRINKB	11842	0.11	0.31	0.00	1.00
S4DRINKB	13897	0.10	0.30	0.00	1.00
S5DRINKB	12673	0.09	0.29	0.00	1.00
S6DRINKB	11573	0.10	0.31	0.00	1.00
S7DRINKB	12900	0.12	0.33	0.00	1.00
S8DRINKB	11665	0.11	0.32	0.00	1.00
S9DRINKB	10592	0.12	0.32	0.00	1.00
S10DRINKB	13434	0.15	0.36	0.00	1.00
S11DRINKB	12390	0.14	0.35	0.00	1.00
S12DRINKB	10931	0.14	0.35	0.00	1.00
S13DRINKB	11675	0.17	0.38	0.00	1.00
S14DRINKB	9291	0.15	0.36	0.00	1.00
S15DRINKB	8374	0.15	0.36	0.00	1.00
R3BINGED	17887	1.17	7.98	0.00	92.00
R4BINGED	21255	1.07	7.46	0.00	92.00
R5BINGED	19487	0.91	6.93	0.00	92.00

R6BINGED	18072	0.93	6.75	0.00	92.00
R7BINGED	20024	1.14	7.46	0.00	92.00
R8BINGED	18365	1.08	7.40	0.00	92.00
R9BINGED	17140	1.06	7.46	0.00	92.00
R10BINGED	21904	1.20	7.45	0.00	92.00
R11BINGED	20415	0.95	6.34	0.00	92.00
R12BINGED	18604	0.90	6.27	0.00	92.00
R13BINGED	20737	1.11	6.87	0.00	92.00
R14BINGED	17020	1.02	6.53	0.00	92.00
R15BINGED	15523	0.98	6.55	0.00	92.00
S3BINGED	11842	1.27	8.20	0.00	92.00
S4BINGED	13897	1.24	8.04	0.00	92.00
S5BINGED	12673	0.97	6.93	0.00	92.00
S6BINGED	11573	1.03	6.95	0.00	92.00
S7BINGED	12900	1.27	7.80	0.00	92.00
S8BINGED	11665	1.22	7.79	0.00	90.00
S9BINGED	10592	1.24	8.03	0.00	92.00
S10BINGED	13434	1.31	7.61	0.00	92.00
S11BINGED	12390	1.05	6.57	0.00	92.00
S12BINGED	10931	0.98	6.31	0.00	92.00
S13BINGED	11675	1.23	7.16	0.00	92.00
S14BINGED	9291	1.13	6.77	0.00	92.00
S15BINGED	8374	1.08	6.71	0.00	92.00

### Categorical Variable Codes

Value-----	R1DRINKCUT	R2DRINKCUT	R3DRINKCUT	R4DRINKCUT	R5DRINKCUT
.d:DK		2			
.m:Missing				164	29
.n:does not drink			398	10147	10727
.q:not asked this wave		11595	10964		
.r:Refuse		1			
.s:skipped				7204	8652
0.no	10145	7128	6067	2918	118
1.yes	2507	1091	562	951	52

Value-----	R6DRINKCUT	R7DRINKCUT	R8DRINKCUT	R9DRINKCUT	R10DRINKCUT
.d:DK					4
.m:Missing	18	145	21	15	78
.n:does not drink	10011	9656	9252	8790	8534
.r:Refuse	2	3	1		4
.s:skipped	7976	7429	9034	8304	7855
0.no	119	2055	116	70	3625
1.yes	39	841	45	38	1934

Value-----	R11DRINKCUT	R12DRINKCUT	R13DRINKCUT	R14DRINKCUT	R15DRINKCUT
.d:DK	1		5	1	1
.m:Missing	38	10	49	14	16
.n:does not drink	9442	8685	7974	7466	6566
.r:Refuse			4		
.s:skipped	10668	9905	8839	9489	8995
0.no	290	88	2758	100	98
1.yes	115	59	1283	76	47

Value-----	S1DRINKCUT	S2DRINKCUT	S3DRINKCUT	S4DRINKCUT	S5DRINKCUT
.m:Missing				150	29
.n:does not drink			163	6093	6404
.q:not asked this wave		8738	8306		
.r:Refuse		1			
.s:skipped				5080	6140
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	8003	3711	3110	2018	108
1.yes	1897	638	337	637	49

Value-----	S6DRINKCUT	S7DRINKCUT	S8DRINKCUT	S9DRINKCUT	S10DRINKCUT
.d:DK					2
.m:Missing	18	144	21	14	76

.n:does not drink	5843	5647	5357	4896	4720
.r:Refuse	2	2	1		3
.s:skipped	5621	5159	6196	5624	5198
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	115	1458	111	69	2280
1.yes	33	558	42	37	1229

Value-----	S11DRINKCUT	S12DRINKCUT	S13DRINKCUT	S14DRINKCUT	S15DRINKCUT
.d:DK	1		1	1	1
.m:Missing	37	10	48	14	15
.n:does not drink	5163	4570	4065	3683	3170
.r:Refuse			3		
.s:skipped	6925	6293	5458	5500	5154
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	245	83	1505	92	83
1.yes	105	56	698	68	43

Value-----	R1DRINKCR			R4DRINKCR	R5DRINKCR
.d:DK					1
.m:Missing				164	29
.n:does not drink				10147	10727
.s:skipped				7204	8652
0.no	11425			3466	145
1.yes	1227			403	24

Value-----	R6DRINKCR	R7DRINKCR	R8DRINKCR	R9DRINKCR	R10DRINKCR
.d:DK					3
.m:Missing	18	145	21	15	78
.n:does not drink	10011	9657	9252	8790	8533
.r:Refuse	2	2	1		
.s:skipped	7976	7429	9034	8304	7855
0.no	139	2524	145	87	4782
1.yes	19	372	16	21	783

Value-----	R11DRINKCR	R12DRINKCR	R13DRINKCR	R14DRINKCR	R15DRINKCR
.d:DK			4		1
.m:Missing	38	10	49	14	16
.n:does not drink	9442	8686	7972	7465	6566
.r:Refuse			2		
.s:skipped	10668	9905	8839	9489	8995
0.no	361	122	3527	155	129
1.yes	45	24	519	23	16

Value-----	S1DRINKCR			S4DRINKCR	S5DRINKCR
.d:DK					1
.m:Missing				150	29
.n:does not drink				6093	6404
.s:skipped				5080	6140
.u:not coupled	2373			6870	6537
.v:SP NR	379			536	311
0.no	8948			2379	134
1.yes	952			276	22

Value-----	S6DRINKCR	S7DRINKCR	S8DRINKCR	S9DRINKCR	S10DRINKCR
.d:DK					1
.m:Missing	18	144	21	14	76
.n:does not drink	5843	5648	5357	4896	4720
.r:Refuse	2	2	1		
.s:skipped	5621	5159	6196	5624	5198
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	132	1762	137	86	3008
1.yes	16	253	16	20	505

Value-----	S11DRINKCR	S12DRINKCR	S13DRINKCR	S14DRINKCR	S15DRINKCR
.d:DK			1		1
.m:Missing	37	10	48	14	15
.n:does not drink	5163	4571	4063	3682	3170
.r:Refuse			1		
.s:skipped	6925	6293	5458	5500	5154
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	310	116	1923	141	111
1.yes	41	22	284	21	15

Value-----	R1DRINKBD			R4DRINKBD	R5DRINKBD
.d:DK					1
.m:Missing				164	29
.n:does not drink				10148	10727
.s:skipped				7204	8652
0.no	10989			3275	140
1.yes	1663			593	29
Value-----	R6DRINKBD	R7DRINKBD	R8DRINKBD	R9DRINKBD	R10DRINKBD
.d:DK					3
.m:Missing	18	145	21	15	78
.n:does not drink	10011	9657	9252	8790	8533
.r:Refuse	2	2	1		1
.s:skipped	7976	7429	9034	8304	7855
0.no	131	2323	129	90	4318
1.yes	27	573	32	18	1246
Value-----	R11DRINKBD	R12DRINKBD	R13DRINKBD	R14DRINKBD	R15DRINKBD
.d:DK	1		1		1
.m:Missing	38	10	49	14	16
.n:does not drink	9442	8686	7971	7466	6566
.r:Refuse			2		
.s:skipped	10668	9905	8839	9489	8995
0.no	336	116	3235	144	115
1.yes	69	30	815	33	30
Value-----	S1DRINKBD			S4DRINKBD	S5DRINKBD
.d:DK					1
.m:Missing				150	29
.n:does not drink				6094	6404
.s:skipped				5080	6140
.u:not coupled	2373			6870	6537
.v:SP NR	379			536	311
0.no	8644			2261	130
1.yes	1256			393	26
Value-----	S6DRINKBD	S7DRINKBD	S8DRINKBD	S9DRINKBD	S10DRINKBD
.d:DK					1
.m:Missing	18	144	21	14	76
.n:does not drink	5843	5648	5357	4896	4720
.r:Refuse	2	2	1		
.s:skipped	5621	5159	6196	5624	5198
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	125	1636	122	88	2720
1.yes	23	379	31	18	793
Value-----	S11DRINKBD	S12DRINKBD	S13DRINKBD	S14DRINKBD	S15DRINKBD
.d:DK	1				1
.m:Missing	37	10	48	14	15
.n:does not drink	5163	4571	4063	3683	3170
.r:Refuse			1		
.s:skipped	6925	6293	5458	5500	5154
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	285	110	1769	132	100
1.yes	65	28	439	29	26
Value-----	R1DRINKNR			R4DRINKNR	R5DRINKNR
.d:DK					1
.m:Missing				164	29
.n:does not drink				10147	10727
.s:skipped				7204	8652
0.no	11995			3659	154
1.yes	657			210	15
Value-----	R6DRINKNR	R7DRINKNR	R8DRINKNR	R9DRINKNR	R10DRINKNR
.d:DK	1				2
.m:Missing	18	145	21	15	78
.n:does not drink	10011	9657	9252	8790	8533
.r:Refuse	2	1	1		1
.s:skipped	7976	7429	9034	8304	7855
0.no	146	2682	146	93	5124
1.yes	11	215	15	15	441

Value-----	R11DRINKNR	R12DRINKNR	R13DRINKNR	R14DRINKNR	R15DRINKNR
.d:DK			1		1
.m:Missing	38	10	49	14	16
.n:does not drink	9442	8685	7972	7465	6566
.r:Refuse			2		
.s:skipped	10668	9905	8839	9489	8995
0.no	380	133	3694	159	128
1.yes	26	14	355	19	17

Value-----	S1DRINKNR	S4DRINKNR	S5DRINKNR
.d:DK			1
.m:Missing			29
.n:does not drink		6093	6404
.s:skipped		5080	6140
.u:not coupled	2373	6870	6537
.v:SP NR	379	536	311
0.no	9423	2531	142
1.yes	477	124	14

Value-----	S6DRINKNR	S7DRINKNR	S8DRINKNR	S9DRINKNR	S10DRINKNR
.d:DK	1				
.m:Missing	18	144	21	14	76
.n:does not drink	5843	5648	5357	4896	4720
.r:Refuse	2	1	1		
.s:skipped	5621	5159	6196	5624	5198
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	138	1884	138	92	3249
1.yes	9	132	15	14	265

Value-----	S11DRINKNR	S12DRINKNR	S13DRINKNR	S14DRINKNR	S15DRINKNR
.d:DK					1
.m:Missing	37	10	48	14	15
.n:does not drink	5163	4570	4063	3682	3170
.r:Refuse			1		
.s:skipped	6925	6293	5458	5500	5154
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	328	125	2025	145	110
1.yes	23	14	183	17	16

Value-----	R3DRINKB	R4DRINKB	R5DRINKB
.d:DK		78	104
.m:Missing		21	18
.r:Refuse		5	7
0.no		16182	19420
1.yes		1705	1835

Value-----	R6DRINKB	R7DRINKB	R8DRINKB	R9DRINKB	R10DRINKB
.d:DK	83	87	87	68	119
.m:Missing		9	6		1
.r:Refuse	10	9	11	9	10
0.no	16455	17890	16563	15438	18941
1.yes	1617	2134	1802	1702	2963

Value-----	R11DRINKB	R12DRINKB	R13DRINKB	R14DRINKB	R15DRINKB
.d:DK	119	131	147	81	169
.m:Missing	3		7	25	6
.r:Refuse	17	12	21	20	25
0.no	17875	16335	17609	14714	13459
1.yes	2540	2269	3128	2306	2064

Value-----	S3DRINKB	S4DRINKB	S5DRINKB
.d:DK		57	64
.m:Missing		13	11
.r:Refuse		4	6
.u:not coupled		5659	6870
.v:SP NR		416	536
0.no		10574	12522
1.yes		1268	1375

Value-----	S6DRINKB	S7DRINKB	S8DRINKB	S9DRINKB	S10DRINKB
.d:DK	50	56	52	42	65
.m:Missing		5	4		1
.r:Refuse	9	7	7	6	8
.u:not coupled	6313	6781	6424	6212	7804

.v:SP NR		220	380	317	365	722
0.no		10362	11304	10327	9341	11368
1.yes		1211	1596	1338	1251	2066
Value-----		S11DRINKB	S12DRINKB	S13DRINKB	S14DRINKB	S15DRINKB
.d:DK		74	72	88	42	75
.m:Missing		1		4	16	4
.r:Refuse		11	9	11	9	13
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		10652	9379	9680	7865	7110
1.yes		1738	1552	1995	1426	1264

## How Constructed:

RwDRINKCUT, RwDRINKCR, RwDRINKBD, and RwDRINKNR indicate the respondent's feelings about their drinking habits. RwDRINKCUT indicates whether the respondent has ever felt that they should cut down on their drinking. RwDRINKCR indicates whether people have ever annoyed the respondent by criticizing their drinking. RwDRINKBD indicates whether the respondent has ever felt bad or guilty about drinking. RwDRINKNR indicates whether the respondent has ever taken a drink first thing in the morning to steady their nerves or get rid of a hangover. These variables are coded as 0.no, and 1.yes. RwDRINKCUT is asked in all waves, while RwDRINKCR, RwDRINKBD, and RwDRINKNR are asked in Wave 1 and in Wave 4 and the following waves. Respondents in the HRS Wave 2 and 3 samples are not asked RwDRINKCUT, and are assigned special missing .q in Waves 2 and 3, respectively. Starting in Wave 3, if the respondent reports not drinking, then RwDRINKCUT, RwDRINKCR, RwDRINKBD, and RwDRINKNR are assigned special missing .n. Starting in Wave 4, if the respondent has been previously interviewed, then RwDRINKCUT, RwDRINKCR, RwDRINKBD, and RwDRINKNR are not asked and these variables are assigned special missing .s.

RwCAGE is a summary variable for the respondent's feelings about their drinking habits. RwCAGE is equal to RwDRINKCUT + RwDRINKCR + RwDRINKBD + RwDRINKNR. RwCAGEM indicates the number of variables missing in the calculation of RwCAGE. RwCAGE is calculated as long as at least one of the component variables is not missing. RwCAGE and RwCAGEM are calculated only for the waves that ask all 4 component questions.

Don't know, refused, or other missing responses of RwDRINKCUT, RwDRINKCR, RwDRINKBD, RwDRINKNR, and RwCAGE are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwDRINKCUT, SwDRINKCR, SwDRINKBD, SwDRINKNR, SwCAGE and SwCAGEM indicate the respondent's current wave's spouse's feelings about their drinking habits and the accompanying summary variables, and are taken from RwDRINKCUT, RwDRINKCR, RwDRINKBD, RwDRINKNR, RwCAGE and RwCAGEM. In addition to the special missing codes employed by RwDRINKCUT, RwDRINKCR, RwDRINKBD, RwDRINKNR, and RwCAGE, SwDRINKCUT, SwDRINKCR, SwDRINKBD, SwDRINKNR, and SwCAGE employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDRINKB indicates whether the respondent ever binge drinks. RwBINGED indicates the number of days the respondent reports binge drinking in the last 3 months. RwDRINKB and RwBINGED are available starting in Wave 3. Binge drinking is determined by the question: "In the last three months, on how many days have you had four or more drinks on one occasion?" If the respondent reports a value of 0 to this question, reports never drinking, or reports drinking 0 days per week in the last 3 months, then RwDRINKB is coded as 0.no, and RwBINGED is coded as 0. If the respondent reports a number of 1 or greater to this question, then RwDRINKB is coded as 1.yes and RwBINGED takes the numerical value. If RwBINGED is coded as 92, it indicates that the respondent "drinks all the time". Don't know, refused, or other missing responses of RwDRINKB and RwBINGED are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwDRINKB and SwBINGED indicate the respondent's current wave's spouse's binge drinking habits, and are taken from RwDRINKB and RwBINGED. In addition to the special missing codes employed by RwDRINKB and RwBINGED, SwDRINKB and SwBINGED employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are asked whether they feel they should cut down on their drinking in all waves, however, respondents in the HRS Wave 2 and 3 samples are not asked this question and RwdRINKCUT is assigned special missing .q in Waves 2 and 3, respectively. Respondents are asked whether others criticize their drinking, whether they feel bad about drinking, and whether they take a drink for nerve in the morning in Wave 1, are not asked at all in Waves 2 and 3, and are asked again starting in Wave 4. Starting in Wave 4, if the respondent has been previously interviewed, then these three questions are not asked and RwdRINKCR, RwdRINKBD, and RwdRINKNR are assigned special missing .s. RwcAGE and RwcAGEM are calculated in Wave 1 and in Wave 4 and the following waves based on the availability of the questions.

Respondents are asked whether they binge drink and how many days they binge drank starting in Wave 3.

### HRS Variables Used:

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RAND HRS:
  R10DRINK      r10drink:w10 r ever drinks any alcohol
  R11DRINK      r11drink:w11 r ever drinks any alcohol
  R12DRINK      r12drink:w12 r ever drinks any alcohol
  R13DRINK      r13drink:w13 r ever drinks any alcohol
  R14DRINK      r14drink:w14 r ever drinks any alcohol
  R15DRINK      r15drink:w15 r ever drinks any alcohol
  R1DRINK       r1drink:w1  r ever drinks any alcohol
  R2DRINK       r2drink:w2  r ever drinks any alcohol
  R3DRINK       r3drink:w3  r ever drinks any alcohol
  R4DRINK       r4drink:w4  r ever drinks any alcohol
  R5DRINK       r5drink:w5  r ever drinks any alcohol
  R6DRINK       r6drink:w6  r ever drinks any alcohol
  R7DRINK       r7drink:w7  r ever drinks any alcohol
  R8DRINK       r8drink:w8  r ever drinks any alcohol
  R9DRINK       r9drink:w9  r ever drinks any alcohol

Wave 1:
  V508          b37a:felt should cut:imp
  V509          b37b:othrs critcz dr:imp
  V510          b37c:felt bad about :imp
  V511          b37d:drink for nerve:imp

Wave 2 AHEAD:
  B303          b21. ever felt should drink less
  BN_INHH      ahd w1: # r's responding in hhold

Wave 2 HRS:
  WN_INHH      hrs w2: # in hhold (r1/r2 only)

Wave 3 AHEAD:
  D950          b21a.drink-# days per week
  D952          b21c. binge drinking
  D953          b21d.cut down drinking
  DN_INHH      dn_inhh: # r's responding in hhold

Wave 3 HRS:
  E950          b21a. alcohol: num days drink per week
  E952          b21c. alcohol: num days binge
  EN_INHH      hrs w3: # r's responding in hhold

Wave 4:
  F1283         b21a.# drinks: days per week
  F1285         b21c. binge drinking
  F1287         b21d. cage cut down - drinking
  F1288         b21e. cage annoyed - drinking
  F1289         b21f. cage guilty - drinking
  F1290         b21g. cage morning - drinking
  F682          previous wave interv

Wave 5:
  G1416         b21a.# drinks: days per week
  G1418         b21c. binge drinking
  G1421         b21d. cage cut down
  G1422         b21e. cage annoyed
  G1423         b21f. cage guilty
  G1424         b21g. cage morning

```

G753 cs22y30.previous wave interv

Wave 6:

HC129 number days per week- drink alcohol  
HC131 binge drinking  
HC135 r felt need to cut down drinking  
HC136 felt annoyed by criticism about drinking  
HC137 guilt over drinking  
HC138 ever drink in the morning  
HZ076 r ever interviewed

Wave 7:

JC129 number days per week- drink alcohol  
JC131 binge drinking  
JC135 r felt need to cut down drinking  
JC136 felt annoyed by criticism about drinking  
JC137 guilt over drinking  
JC138 ever drink in the morning  
JZ076 r ever interviewed

Wave 8:

KC129 number days per week- drink alcohol  
KC131 binge drinking  
KC135 r felt need to cut down drinking  
KC136 felt annoyed by criticism about drinking  
KC137 guilt over drinking  
KC138 ever drink in the morning  
KZ076 r ever interviewed

Wave 9:

LC129 number days per week- drink alcohol  
LC131 binge drinking  
LC135 r felt need to cut down drinking  
LC136 felt annoyed by criticism about drinking  
LC137 guilt over drinking  
LC138 ever drink in the morning  
LZ076 r ever interviewed

Wave 10:

MC129 number days per week- drink alcohol  
MC131 binge drinking  
MC135 r felt need to cut down drinking  
MC136 felt annoyed by criticism about drinking  
MC137 guilt over drinking  
MC138 ever drink in the morning  
MZ076 r ever interviewed

Wave 11:

NC129 number days per week- drink alcohol  
NC131 binge drinking  
NC135 r felt need to cut down drinking  
NC136 felt annoyed by criticism about drinking  
NC137 guilt over drinking  
NC138 ever drink in the morning  
NZ076 r ever interviewed

Wave 12:

OC129 number days per week- drink alcohol  
OC131 binge drinking  
OC135 r felt need to cut down drinking  
OC136 felt annoyed by criticism about drinking  
OC137 guilt over drinking  
OC138 ever drink in the morning  
OZ076 r ever interviewed

Wave 13:

PC129 number days per week- drink alcohol  
PC131 binge drinking  
PC135 r felt need to cut down drinking  
PC136 felt annoyed by criticism about drinking  
PC137 guilt over drinking



PC138 ever drink in the morning  
PZ076 r ever interviewed

Wave 14:

QC129 number days per week- drink alcohol  
QC131 binge drinking  
QC135 r felt need to cut down drinking  
QC136 felt annoyed by criticism about drinking  
QC137 guilt over drinking  
QC138 ever drink in the morning  
QZ076 r ever interviewed

Wave 15:

RC129 number days per week- drink alcohol  
RC131 binge drinking  
RC135 r felt need to cut down drinking  
RC136 felt annoyed by criticism about drinking  
RC137 guilt over drinking  
RC138 ever drink in the morning  
RZ076 r ever interviewed

<b>Health Behaviors: Smoking</b>
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Wave	Variable	Label	Type
01	R1SMOKEF	r1smokef:w1 r # cigarettes/day	Cont
02	R2SMOKEF	r2smokef:w2 r # cigarettes/day	Cont
03	R3SMOKEF	r3smokef:w3 r # cigarettes/day	Cont
04	R4SMOKEF	r4smokef:w4 r # cigarettes/day	Cont
05	R5SMOKEF	r5smokef:w5 r # cigarettes/day	Cont
06	R6SMOKEF	r6smokef:w6 r # cigarettes/day	Cont
07	R7SMOKEF	r7smokef:w7 r # cigarettes/day	Cont
08	R8SMOKEF	r8smokef:w8 r # cigarettes/day	Cont
09	R9SMOKEF	r9smokef:w9 r # cigarettes/day	Cont
10	R10SMOKEF	r10smokef:w10 r # cigarettes/day	Cont
11	R11SMOKEF	r11smokef:w11 r # cigarettes/day	Cont
12	R12SMOKEF	r12smokef:w12 r # cigarettes/day	Cont
13	R13SMOKEF	r13smokef:w13 r # cigarettes/day	Cont
14	R14SMOKEF	r14smokef:w14 r # cigarettes/day	Cont
15	R15SMOKEF	r15smokef:w15 r # cigarettes/day	Cont
01	S1SMOKEF	s1smokef:w1 s # cigarettes/day	Cont
02	S2SMOKEF	s2smokef:w2 s # cigarettes/day	Cont
03	S3SMOKEF	s3smokef:w3 s # cigarettes/day	Cont
04	S4SMOKEF	s4smokef:w4 s # cigarettes/day	Cont
05	S5SMOKEF	s5smokef:w5 s # cigarettes/day	Cont
06	S6SMOKEF	s6smokef:w6 s # cigarettes/day	Cont
07	S7SMOKEF	s7smokef:w7 s # cigarettes/day	Cont
08	S8SMOKEF	s8smokef:w8 s # cigarettes/day	Cont
09	S9SMOKEF	s9smokef:w9 s # cigarettes/day	Cont
10	S10SMOKEF	s10smokef:w10 s # cigarettes/day	Cont
11	S11SMOKEF	s11smokef:w11 s # cigarettes/day	Cont
12	S12SMOKEF	s12smokef:w12 s # cigarettes/day	Cont
13	S13SMOKEF	s13smokef:w13 s # cigarettes/day	Cont
14	S14SMOKEF	s14smokef:w14 s # cigarettes/day	Cont
15	S15SMOKEF	s15smokef:w15 s # cigarettes/day	Cont
04	R4STRTSMOK	r4strtsmok:w4 r age started smoking	Cont
05	R5STRTSMOK	r5strtsmok:w5 r age started smoking	Cont
06	R6STRTSMOK	r6strtsmok:w6 r age started smoking	Cont
07	R7STRTSMOK	r7strtsmok:w7 r age started smoking	Cont
08	R8STRTSMOK	r8strtsmok:w8 r age started smoking	Cont
09	R9STRTSMOK	r9strtsmok:w9 r age started smoking	Cont
10	R10STRTSMOK	r10strtsmok:w10 r age started smoking	Cont
11	R11STRTSMOK	r11strtsmok:w11 r age started smoking	Cont
12	R12STRTSMOK	r12strtsmok:w12 r age started smoking	Cont
13	R13STRTSMOK	r13strtsmok:w13 r age started smoking	Cont
14	R14STRTSMOK	r14strtsmok:w14 r age started smoking	Cont
15	R15STRTSMOK	r15strtsmok:w15 r age started smoking	Cont
04	S4STRTSMOK	s4strtsmok:w4 s age started smoking	Cont
05	S5STRTSMOK	s5strtsmok:w5 s age started smoking	Cont
06	S6STRTSMOK	s6strtsmok:w6 s age started smoking	Cont
07	S7STRTSMOK	s7strtsmok:w7 s age started smoking	Cont
08	S8STRTSMOK	s8strtsmok:w8 s age started smoking	Cont
09	S9STRTSMOK	s9strtsmok:w9 s age started smoking	Cont
10	S10STRTSMOK	s10strtsmok:w10 s age started smoking	Cont
11	S11STRTSMOK	s11strtsmok:w11 s age started smoking	Cont
12	S12STRTSMOK	s12strtsmok:w12 s age started smoking	Cont
13	S13STRTSMOK	s13strtsmok:w13 s age started smoking	Cont
14	S14STRTSMOK	s14strtsmok:w14 s age started smoking	Cont
15	S15STRTSMOK	s15strtsmok:w15 s age started smoking	Cont

01	R1QUITSMOK	r1quitsmok:w1	r	age	quit	smoking	Cont
04	R4QUITSMOK	r4quitsmok:w4	r	age	quit	smoking	Cont
05	R5QUITSMOK	r5quitsmok:w5	r	age	quit	smoking	Cont
06	R6QUITSMOK	r6quitsmok:w6	r	age	quit	smoking	Cont
07	R7QUITSMOK	r7quitsmok:w7	r	age	quit	smoking	Cont
08	R8QUITSMOK	r8quitsmok:w8	r	age	quit	smoking	Cont
09	R9QUITSMOK	r9quitsmok:w9	r	age	quit	smoking	Cont
10	R10QUITSMOK	r10quitsmok:w10	r	age	quit	smoking	Cont
11	R11QUITSMOK	r11quitsmok:w11	r	age	quit	smoking	Cont
12	R12QUITSMOK	r12quitsmok:w12	r	age	quit	smoking	Cont
13	R13QUITSMOK	r13quitsmok:w13	r	age	quit	smoking	Cont
14	R14QUITSMOK	r14quitsmok:w14	r	age	quit	smoking	Cont
15	R15QUITSMOK	r15quitsmok:w15	r	age	quit	smoking	Cont
01	S1QUITSMOK	s1quitsmok:w1	s	age	quit	smoking	Cont
04	S4QUITSMOK	s4quitsmok:w4	s	age	quit	smoking	Cont
05	S5QUITSMOK	s5quitsmok:w5	s	age	quit	smoking	Cont
06	S6QUITSMOK	s6quitsmok:w6	s	age	quit	smoking	Cont
07	S7QUITSMOK	s7quitsmok:w7	s	age	quit	smoking	Cont
08	S8QUITSMOK	s8quitsmok:w8	s	age	quit	smoking	Cont
09	S9QUITSMOK	s9quitsmok:w9	s	age	quit	smoking	Cont
10	S10QUITSMOK	s10quitsmok:w10	s	age	quit	smoking	Cont
11	S11QUITSMOK	s11quitsmok:w11	s	age	quit	smoking	Cont
12	S12QUITSMOK	s12quitsmok:w12	s	age	quit	smoking	Cont
13	S13QUITSMOK	s13quitsmok:w13	s	age	quit	smoking	Cont
14	S14QUITSMOK	s14quitsmok:w14	s	age	quit	smoking	Cont
15	S15QUITSMOK	s15quitsmok:w15	s	age	quit	smoking	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SMOKEF	12652	5.52	11.31	0.00	95.00
R2SMOKEF	19568	3.51	9.76	0.00	300.00
R3SMOKEF	17628	3.06	8.93	0.00	120.00
R4SMOKEF	21374	2.95	8.36	0.00	160.00
R5SMOKEF	19565	2.60	7.69	0.00	100.00
R6SMOKEF	18150	2.14	6.99	0.00	100.00
R7SMOKEF	19941	2.24	7.10	0.00	140.00
R8SMOKEF	18295	2.14	6.77	0.00	100.00
R9SMOKEF	17064	1.90	6.23	0.00	80.00
R10SMOKEF	21892	2.02	6.15	0.00	140.00
R11SMOKEF	20426	1.80	5.58	0.00	60.00
R12SMOKEF	18630	1.55	5.09	0.00	60.00
R13SMOKEF	20808	1.73	5.40	0.00	90.00
R14SMOKEF	17066	1.47	4.76	0.00	60.00
R15SMOKEF	15528	1.34	4.56	0.00	60.00
S1SMOKEF	9900	5.20	11.09	0.00	95.00
S2SMOKEF	13040	3.60	10.03	0.00	300.00
S3SMOKEF	11659	3.11	9.00	0.00	120.00
S4SMOKEF	13976	2.90	8.44	0.00	160.00
S5SMOKEF	12725	2.54	7.76	0.00	100.00
S6SMOKEF	11624	2.07	6.91	0.00	100.00
S7SMOKEF	12836	2.12	6.86	0.00	100.00
S8SMOKEF	11600	2.04	6.74	0.00	100.00
S9SMOKEF	10533	1.70	5.94	0.00	80.00
S10SMOKEF	13409	1.82	5.88	0.00	100.00
S11SMOKEF	12399	1.61	5.28	0.00	60.00
S12SMOKEF	10950	1.35	4.75	0.00	60.00
S13SMOKEF	11723	1.49	5.03	0.00	60.00
S14SMOKEF	9331	1.26	4.51	0.00	45.00

S15SMOKEF	8372	1.18	4.41	0.00	60.00
R4STRSMOK	2964	17.67	5.73	4.00	70.00
R5STRSMOK	2814	17.71	5.70	5.00	69.00
R6STRSMOK	2731	17.71	5.76	5.00	69.00
R7STRSMOK	4408	17.77	5.74	4.00	69.00
R8STRSMOK	10049	18.08	6.19	3.00	90.00
R9STRSMOK	9369	18.14	6.19	2.00	90.00
R10STRSMOK	12113	18.23	6.18	1.00	90.00
R11STRSMOK	11149	18.16	6.02	1.00	90.00
R12STRSMOK	10215	18.22	6.09	1.00	90.00
R13STRSMOK	11154	18.15	6.11	1.00	65.00
R14STRSMOK	9098	18.16	6.14	1.00	65.00
R15STRSMOK	8240	18.17	6.07	1.00	65.00
S4STRSMOK	2025	17.27	5.17	5.00	70.00
S5STRSMOK	1968	17.30	5.05	5.00	56.00
S6STRSMOK	1877	17.34	5.27	5.00	69.00
S7STRSMOK	3038	17.38	5.19	4.00	69.00
S8STRSMOK	6502	17.53	5.42	3.00	69.00
S9STRSMOK	5859	17.57	5.35	3.00	65.00
S10STRSMOK	7371	17.75	5.55	3.00	65.00
S11STRSMOK	6669	17.71	5.51	3.00	65.00
S12STRSMOK	5965	17.78	5.48	2.00	65.00
S13STRSMOK	6149	17.75	5.63	2.00	65.00
S14STRSMOK	4860	17.71	5.47	2.00	65.00
S15STRSMOK	4327	17.77	5.44	2.00	65.00
R1QUITSMOK	12352	49.76	10.55	7.00	85.00
R4QUITSMOK	11978	48.39	11.52	3.00	83.00
R5QUITSMOK	11285	48.23	11.58	7.00	90.00
R6QUITSMOK	10836	47.96	11.59	3.00	83.00
R7QUITSMOK	11330	46.65	12.12	3.00	83.00
R8QUITSMOK	11701	47.51	13.39	1.00	93.00
R9QUITSMOK	10940	47.12	13.25	1.00	87.00
R10QUITSMOK	11927	44.82	13.62	1.00	86.00
R11QUITSMOK	11042	44.54	13.51	1.00	83.00
R12QUITSMOK	10035	43.95	13.48	1.00	83.00
R13QUITSMOK	9884	42.66	13.38	1.00	83.00
R14QUITSMOK	8047	42.13	13.28	1.00	82.00
R15QUITSMOK	7984	43.22	14.06	1.00	88.00
S1QUITSMOK	9665	49.33	10.86	7.00	85.00
S4QUITSMOK	8834	47.80	11.78	7.00	83.00
S5QUITSMOK	8289	47.58	11.83	7.00	90.00
S6QUITSMOK	7788	47.24	11.82	4.00	83.00
S7QUITSMOK	8030	45.81	12.33	4.00	83.00
S8QUITSMOK	7750	46.11	13.27	2.00	87.00
S9QUITSMOK	7029	45.74	13.25	2.00	87.00
S10QUITSMOK	7458	43.43	13.57	1.00	84.00
S11QUITSMOK	6762	43.10	13.49	1.00	83.00
S12QUITSMOK	5901	42.24	13.43	1.00	82.00
S13QUITSMOK	5550	40.87	13.23	2.00	78.00
S14QUITSMOK	4351	40.24	13.08	4.00	80.00
S15QUITSMOK	4163	41.19	13.85	4.00	87.00

### How Constructed:

RwSMOKEF indicates how many cigarettes the respondent usually smokes per day. If the respondent indicates that they currently smoke, then they are asked the number of cigarettes they usually smoke per day. In all waves, the respondent can report the amount they smoke in number of cigarettes. Starting in the HRS cohort in Wave 2 and the AHEAD and HRS cohorts in Wave 3 through Wave 13, the respondent can also report the amount they smoke in number of packs, which is multiplied by 20 to obtain the number of cigarettes

smoked per day. Only in the HRS cohort in Wave 2 can the respondent report the amount they smoke in cartons, which is multiplied by 200 to obtain the number of cigarettes smoked per day. If the respondent reports never smoking or not currently smoking, then RWSMOKEF is assigned a value of 0. For the HRS cohort in Wave 3, other responses to RWSMOKEF are assigned special missing code .o. Don't know, refused, or other missing responses of RWSMOKEF are assigned special missing codes .d, .r, .m, respectively. RWSMOKEF is set to plain missing (.) for respondents who did not participate in the current wave.

SwSMOKEF indicates how many cigarettes the respondent's current wave's spouse usually smokes per day, and is taken from RWSMOKEF. In addition to the special missing codes employed by RWSMOKEF, SwSMOKEF employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSTRSMOK indicates the age at which the respondent started smoking. RwSTRSMOK is available starting in Wave 4. Respondents can report the age at which they started smoking, the number of years ago they started smoking, or the year in which they started smoking. If the respondent reports the number of years ago they started smoking, this value is subtracted from the respondent's age at the time of interview. If the respondent reports the year in which they started smoking, the respondent's birth year is subtracted from this value to obtain the age at which the respondent started smoking. If the calculated age started smoking takes a value of less than 1 or greater than their current age, then RwSTRSMOK is assigned special missing value .i. If the respondent was asked in the previous wave when they started smoking, then RwSTRSMOK is assigned special missing value .s. If the respondent reports multiple ages that they started smoking across waves, the value from the first wave is used. RwSTRSMOK is assigned special missing .n if the respondent reports never smoking. Don't know, refused, or other missing responses of RwSTRSMOK are assigned special missing codes .d, .r, and .m, respectively. RwSTRSMOK is set to plain missing (.) for respondents who did not participate in the current wave.

SwSTRSMOK indicates the age at which the respondent's current wave's spouse started smoking, and is taken from RwSTRSMOK. In addition to the special missing codes employed by RwSTRSMOK, SwSTRSMOK employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwQUITSMOK indicates the age at which the respondent quit smoking. In Wave 1, respondents report the number of years ago they quit smoking, and this value is subtracted from the respondent's age at the time of interview. RwQUITSMOK is not available in Waves 2 and 3. In Waves 4 and beyond, respondents can report the age at which they quit smoking, the number of years ago they quit smoking, or the year in which they quit smoking. If the respondent reports the number of years ago they quit smoking, this value is subtracted from the respondent's age at the time of interview. If the respondent reports the year in which they quit smoking, the respondent's birth year is subtracted from this value to obtain the age at which the respondent quit smoking. RwQUITSMOK takes the most recent value reported. If the calculated age quit smoking takes a value of less than 1 or greater than their current age, then RwQUITSMOK is assigned special missing value .i. If the respondent was asked in the previous wave when they stopped smoking, then RwQUITSMOK is assigned special missing value .s. RwQUITSMOK is assigned special missing .n if the respondent reports never smoking. RwQUITSMOK is assigned special missing .c if the respondent reports currently smoking. Don't know, refused, or other missing responses of RwQUITSMOK are assigned special missing codes .d, .r, and .m, respectively. RwQUITSMOK is set to plain missing (.) for respondents who did not participate in the current wave.

SwQUITSMOK indicates the age at which the respondent's current wave's spouse quit smoking, and is taken from RwQUITSMOK. In addition to the special missing codes employed by RwQUITSMOK, SwQUITSMOK employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that there may be extreme values for ages the respondent started and quit smoking and have been left to the discretion of the user.

## Cross Wave Differences in HRS

Respondents can report the number of cigarettes they smoke per day in all waves. Respondents can report the number of packs they smoke per day starting in the HRS cohort in Wave 2 and the AHEAD and HRS cohorts

in Wave 3 through Wave 13. Respondents can report the number of cartons they smoke per day only in the HRS cohort of Wave 2.

Respondents are asked when they started smoking starting in Wave 4.

Respondents are asked when they quit smoking in Wave 1 and in Waves 4 and onward. In Wave 1, the respondent can report the number of years ago they quit smoking. Starting in Wave 4, the respondent can report the age at which they quit smoking, the number of years ago they quit smoking, or the year in which they quit smoking.

### HRS Variables Used:

#### RAND HRS:

R10AGEY_E	r10agey_e:w10	r age (years) at ivw endmon
R10IWENDY	r10iwendy:w10	interview end year
R10SMOKEN	r10smoken:w10	r smokes now
R10SMOKEV	r10smokev:w10	r smoke ever
R11AGEY_E	r11agey_e:w11	r age (years) at ivw endmon
R11IWENDY	r11iwendy:w11	interview end year
R11SMOKEN	r11smoken:w11	r smokes now
R11SMOKEV	r11smokev:w11	r smoke ever
R12AGEY_E	r12agey_e:w12	r age (years) at ivw endmon
R12IWENDY	r12iwendy:w12	interview end year
R12SMOKEN	r12smoken:w12	r smokes now
R12SMOKEV	r12smokev:w12	r smoke ever
R13AGEY_E	r13agey_e:w13	r age (years) at ivw endmon
R13IWENDY	r13iwendy:w13	interview end year
R13SMOKEN	r13smoken:w13	r smokes now
R13SMOKEV	r13smokev:w13	r smoke ever
R14AGEY_E	r14agey_e:w14	r age (years) at ivw endmon
R14IWENDY	r14iwendy:w14	interview end year
R14SMOKEN	r14smoken:w14	r smokes now
R14SMOKEV	r14smokev:w14	r smoke ever
R15AGEY_E	r15agey_e:w15	r age (years) at ivw endmon
R15IWENDY	r15iwendy:w15	interview end year
R15SMOKEN	r15smoken:w15	r smokes now
R15SMOKEV	r15smokev:w15	r smoke ever
R1AGEY_E	r1agey_e:w1	r age (years) at ivw endmon
R1IWENDY	r1iwendy:w1	interview end year
R1SMOKEN	r1smoken:w1	r smokes now
R1SMOKEV	r1smokev:w1	r smoke ever
R2AGEY_E	r2agey_e:w2	r age (years) at ivw endmon
R2SMOKEN	r2smoken:w2	r smokes now
R2SMOKEV	r2smokev:w2	r smoke ever
R3AGEY_E	r3agey_e:w3	r age (years) at ivw endmon
R3SMOKEN	r3smoken:w3	r smokes now
R3SMOKEV	r3smokev:w3	r smoke ever
R4AGEY_E	r4agey_e:w4	r age (years) at ivw endmon
R4IWENDY	r4iwendy:w4	interview end year
R4SMOKEN	r4smoken:w4	r smokes now
R4SMOKEV	r4smokev:w4	r smoke ever
R5AGEY_E	r5agey_e:w5	r age (years) at ivw endmon
R5IWENDY	r5iwendy:w5	interview end year
R5SMOKEN	r5smoken:w5	r smokes now
R5SMOKEV	r5smokev:w5	r smoke ever
R6AGEY_E	r6agey_e:w6	r age (years) at ivw endmon
R6IWENDY	r6iwendy:w6	interview end year
R6SMOKEN	r6smoken:w6	r smokes now
R6SMOKEV	r6smokev:w6	r smoke ever
R7AGEY_E	r7agey_e:w7	r age (years) at ivw endmon
R7IWENDY	r7iwendy:w7	interview end year
R7SMOKEN	r7smoken:w7	r smokes now
R7SMOKEV	r7smokev:w7	r smoke ever

R8AGEY_E	r8agey_e:w8 r age (years) at ivw endmon
R8IWENDY	r8iwendy:w8 interview end year
R8SMOKEN	r8smoken:w8 r smokes now
R8SMOKEV	r8smokev:w8 r smoke ever
R9AGEY_E	r9agey_e:w9 r age (years) at ivw endmon
R9IWENDY	r9iwendy:w9 interview end year
R9SMOKEN	r9smoken:w9 r smokes now
R9SMOKEV	r9smokev:w9 r smoke ever
Wave 1:	
V503	b35b:#cigs/day - cur:imp
V504	b35c:yrs ago stop sm:imp
Wave 2 AHEAD:	
B299	b19a. # cigarettes per day now
Wave 2 HRS:	
W453	b40a.number cigarettes
W454	b40a.units
Wave 3 AHEAD:	
D943	b20a. # cig-packs
D944	b20b. packs
Wave 3 HRS:	
E943	b20a. smoke: num cigs per day
E944	b20b. smoke: num packs per day
Wave 4:	
F1268	b20a. # cig-packs
F1269	b20b. packs
F1271	b20c.when start smoking
F1278	b20e. when stop smoking
F1279	b20e2.year stop smoking
F1280	b20e3.stop smoking age
F682	previous wave interv
Wave 5:	
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
G1411	b20e1. when stop smoking
G1412	b20e2.year stop smoking
G1413	b20e3.stop smoking age
G753	cs22y30.previous wave interv
Wave 6:	
HC118	num cigarettes smoked per day
HC119	num packs smoked per day
HC120	age start smoking
HC121	yr started smoking
HC122	yrs ago started smoking
HC125	yrs ago stop smoking
HC126	yr stop smoking
HC127	age stop smoking
HZ076	r ever interviewed
Wave 7:	
JC118	num cigarettes smoked per day
JC119	num packs smoked per day
JC120	age start smoking
JC121	yr started smoking
JC122	yrs ago started smoking
JC125	yrs ago stop smoking
JC126	yr stop smoking
JC127	age stop smoking
JZ076	r ever interviewed
Wave 8:	
KC118	num cigarettes smoked per day
KC119	num packs smoked per day

KC120 age start smoking  
KC121 yr started smoking  
KC122 yrs ago started smoking  
KC125 yrs ago stop smoking  
KC126 yr stop smoking  
KC127 age stop smoking  
KZ076 r ever interviewed

Wave 9:  
LC118 num cigarettes smoked per day  
LC119 num packs smoked per day  
LC120 age start smoking  
LC121 yr started smoking  
LC122 yrs ago started smoking  
LC125 yrs ago stop smoking  
LC126 yr stop smoking  
LC127 age stop smoking  
LZ076 r ever interviewed

Wave 10:  
MC120 age start smoking  
MC121 yr started smoking  
MC122 yrs ago started smoking  
MC125 yrs ago stop smoking  
MC126 yr stop smoking  
MC127 age stop smoking  
MZ076 r ever interviewed  
MZ118 prev wave ever apply for ssdi  
MZ119 prev wave ever apply for workers comp

Wave 11:  
NC118 num cigarettes smoked per day  
NC119 num packs smoked per day  
NC120 age start smoking  
NC121 yr started smoking  
NC122 yrs ago started smoking  
NC125 yrs ago stop smoking  
NC126 yr stop smoking  
NC127 age stop smoking  
NZ076 r ever interviewed

Wave 12:  
OC118 num cigarettes smoked per day  
OC119 num packs smoked per day  
OC120 age start smoking  
OC121 yr started smoking  
OC122 yrs ago started smoking  
OC125 yrs ago stop smoking  
OC126 yr stop smoking  
OC127 age stop smoking  
OZ076 r ever interviewed

Wave 13:  
PC118 num cigarettes smoked per day  
PC119 num packs smoked per day  
PC120 age start smoking  
PC121 yr started smoking  
PC122 yrs ago started smoking  
PC125 yrs ago stop smoking  
PC126 yr stop smoking  
PC127 age stop smoking  
PZ076 r ever interviewed

Wave 14:  
QC118 num cigarettes smoked per day  
QC120 age start smoking  
QC121 yr started smoking  
QC122 yrs ago started smoking  
QC125 yrs ago stop smoking



QC126 yr stop smoking  
QC127 age stop smoking  
QZ076 r ever interviewed

## Wave 15:

RC118 num cigarettes smoked per day  
RC120 age start smoking  
RC121 yr started smoking  
RC122 yrs ago started smoking  
RC125 yrs ago stop smoking  
RC126 yr stop smoking  
RC127 age stop smoking  
RZ076 r ever interviewed

<b>Health Behaviors: Preventive Health</b>
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Wave	Variable	Label	Type
09	R9SHNGLSHTE	r9shnglshte:w9 r shingles vaccine ever	Categ
10	R10SHNGLSHTE	r10shnglshte:w10 r shingles vaccine ever	Categ
11	R11SHNGLSHTE	r11shnglshte:w11 r shingles vaccine ever	Categ
12	R12SHNGLSHTE	r12shnglshte:w12 r shingles vaccine ever	Categ
13	R13SHNGLSHTE	r13shnglshte:w13 r shingles vaccine ever	Categ
14	R14SHNGLSHTE	r14shnglshte:w14 r shingles vaccine ever	Categ
09	S9SHNGLSHTE	s9shnglshte:w9 s shingles vaccine ever	Categ
10	S10SHNGLSHTE	s10shnglshte:w10 s shingles vaccine ever	Categ
11	S11SHNGLSHTE	s11shnglshte:w11 s shingles vaccine ever	Categ
12	S12SHNGLSHTE	s12shnglshte:w12 s shingles vaccine ever	Categ
13	S13SHNGLSHTE	s13shnglshte:w13 s shingles vaccine ever	Categ
14	S14SHNGLSHTE	s14shnglshte:w14 s shingles vaccine ever	Categ
11	R11PNEUSHTE	r11pneushte:w11 r pneumonia vaccine ever	Categ
12	R12PNEUSHTE	r12pneushte:w12 r pneumonia vaccine ever	Categ
13	R13PNEUSHTE	r13pneushte:w13 r pneumonia vaccine ever	Categ
14	R14PNEUSHTE	r14pneushte:w14 r pneumonia vaccine ever	Categ
15	R15PNEUSHTE	r15pneushte:w15 r pneumonia vaccine ever	Categ
11	S11PNEUSHTE	s11pneushte:w11 s pneumonia vaccine ever	Categ
12	S12PNEUSHTE	s12pneushte:w12 s pneumonia vaccine ever	Categ
13	S13PNEUSHTE	s13pneushte:w13 s pneumonia vaccine ever	Categ
14	S14PNEUSHTE	s14pneushte:w14 s pneumonia vaccine ever	Categ
15	S15PNEUSHTE	s15pneushte:w15 s pneumonia vaccine ever	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9SHNGLSHTE	16895	0.05	0.21	0.00	1.00
R10SHNGLSHTE	21467	0.09	0.29	0.00	1.00
R11SHNGLSHTE	20123	0.16	0.37	0.00	1.00
R12SHNGLSHTE	3022	0.95	0.23	0.00	1.00
R13SHNGLSHTE	20541	0.27	0.45	0.00	1.00
R14SHNGLSHTE	17031	0.33	0.47	0.00	1.00
S9SHNGLSHTE	10480	0.05	0.22	0.00	1.00
S10SHNGLSHTE	13234	0.10	0.30	0.00	1.00
S11SHNGLSHTE	12245	0.17	0.37	0.00	1.00
S12SHNGLSHTE	1870	0.92	0.27	0.00	1.00
S13SHNGLSHTE	11605	0.28	0.45	0.00	1.00
S14SHNGLSHTE	9312	0.33	0.47	0.00	1.00
R11PNEUSHTE	20215	0.46	0.50	0.00	1.00
R12PNEUSHTE	8237	0.99	0.12	0.00	1.00
R13PNEUSHTE	20695	0.50	0.50	0.00	1.00
R14PNEUSHTE	8559	0.98	0.13	0.00	1.00
R15PNEUSHTE	15638	0.58	0.49	0.00	1.00
S11PNEUSHTE	12302	0.44	0.50	0.00	1.00
S12PNEUSHTE	4559	0.98	0.15	0.00	1.00
S13PNEUSHTE	11660	0.48	0.50	0.00	1.00
S14PNEUSHTE	4483	0.97	0.17	0.00	1.00
S15PNEUSHTE	8425	0.55	0.50	0.00	1.00

## Categorical Variable Codes

Value-----				R9SHNGLSHTE	R10SHNGLSHTE
.d:DK				318	565
.r:Refuse				4	2
0.no				16083	19432
1.yes				812	2035
Value-----	R11SHNGLSHTE	R12SHNGLSHTE	R13SHNGLSHTE	R14SHNGLSHTE	
.d:DK	430	4	368	112	
.r:Refuse	1		3	3	
.s:skipped		15721			
0.no	16887	163	14952	11462	
1.yes	3236	2859	5589	5569	
Value-----				S9SHNGLSHTE	S10SHNGLSHTE
.d:DK				158	273
.r:Refuse				2	1
.u:not coupled				6212	7804
.v:SP NR				365	722
0.no				9950	11922
1.yes				530	1312
Value-----	S11SHNGLSHTE	S12SHNGLSHTE	S13SHNGLSHTE	S14SHNGLSHTE	
.d:DK	231	4	173	46	
.s:skipped		9138			
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	10219	153	8388	6209	
1.yes	2026	1717	3217	3103	
Value-----	R11PNEUSHTE	R12PNEUSHTE	R13PNEUSHTE	R14PNEUSHTE	R15PNEUSHTE
.d:DK	336	4	215		84
.m:Missing	1				
.r:Refuse	2		2		1
.s:skipped		10506		8587	
0.no	10843	121	10262	144	6587
1.yes	9372	8116	10433	8415	9051
Value-----	S11PNEUSHTE	S12PNEUSHTE	S13PNEUSHTE	S14PNEUSHTE	S15PNEUSHTE
.d:DK	172	4	118		40
.m:Missing	1				
.r:Refuse	1				1
.s:skipped		6449		4875	
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	6915	112	6090	126	3768
1.yes	5387	4447	5570	4357	4657

## How Constructed:

RwSHNGLSHTE and RwpNEUSHTE indicate whether the respondent has ever received a shingles vaccine or a pneumonia vaccine, respectively. RwSHNGLSHTE is available starting in Wave 9 and RwpNEUSHTE is available starting in Wave 11. In Wave 15, the HRS asked whether the respondent has ever received a shingles vaccine but no responses have currently been released. RwSHNGLSHTE and RwpNEUSHTE are coded as 0.no, and 1.yes. Don't know, refused, or other missing responses of RwSHNGLSHTE and RwpNEUSHTE are assigned special missing codes .d, .r, and .m, respectively. In Wave 12, re-interview respondents are not asked RwSHNGLSHTE and RwpNEUSHTE. If the respondent previously reported having received the vaccine, a value of 1 is fed-forward. If they were not asked in the current wave and had reported not receiving the vaccination in a previous wave, then these variables are assigned special missing code .s. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwSHNGLSHTE and SwpNEUSHTE indicate whether the respondent's current wave's spouse has ever received a shingles vaccine or pneumonia vaccine, and are taken from RwSHNGLSHTE and RwpNEUSHTE. In addition to the special missing codes employed by RwSHNGLSHTE and RwpNEUSHTE, SwSHNGLSHTE and SwpNEUSHTE employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are asked whether they have ever received a shingles vaccine starting in Wave 9. In Wave 15, the HRS asked this question but no responses have currently been released. Respondents are asked whether they have ever received a pneumonia vaccine starting in Wave 11.

In Wave 12, re-interviewed respondents are not asked about having received a shingles or pneumonia vaccine. If the respondent previously reported having received the vaccine, then a value of 1 is fed-forward for RwSHNGLSHTE and RwpNEUSHTE. If they were not asked in the current wave and had reported not receiving the vaccination in a previous wave, then these variables are assigned special missing code .s.

### HRS Variables Used:

Wave 9:	
LC246	shingles vaccine
Wave 10:	
MC246	shingles vaccine
Wave 11:	
NC246	shingles vaccine
NC278	had pneumonia vaccination
Wave 12:	
OC246	shingles vaccine
OC278	had pneumonia vaccination
OZ076	r ever interviewed
OZ242	r has been asked about shingles in pw
OZ264	pw pneumonia vaccination
Wave 13:	
PC246	shingles vaccine
PC278	had pneumonia vaccination
PZ076	r ever interviewed
PZ242	r has been asked about shingles in pw
PZ264	pw pneumonia vaccination
Wave 14:	
QC246	shingles vaccine
QC278	had pneumonia vaccination
QZ076	r ever interviewed
QZ242	r has been asked about shingles in pw
QZ264	pw pneumonia vaccination
Wave 15:	
RC246	shingles vaccine
RC278	had pneumonia vaccination
RZ076	r ever interviewed
RZ242	r has been asked about shingles in pw
RZ264	pw pneumonia vaccination

## **Section D: Cognition**

<b>Date Naming</b>
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Wave	Variable	Label	Type
02	R2ORIENT	r2orient:w2 r orientation to date	Cont
03	R3ORIENT	r3orient:w3 r orientation to date	Cont
04	R4ORIENT	r4orient:w4 r orientation to date	Cont
05	R5ORIENT	r5orient:w5 r orientation to date	Cont
06	R6ORIENT	r6orient:w6 r orientation to date	Cont
07	R7ORIENT	r7orient:w7 r orientation to date	Cont
08	R8ORIENT	r8orient:w8 r orientation to date	Cont
09	R9ORIENT	r9orient:w9 r orientation to date	Cont
10	R10ORIENT	r10orient:w10 r orientation to date	Cont
11	R11ORIENT	r11orient:w11 r orientation to date	Cont
12	R12ORIENT	r12orient:w12 r orientation to date	Cont
13	R13ORIENT	r13orient:w13 r orientation to date	Cont
02	S2ORIENT	s2orient:w2 s orientation to date	Cont
03	S3ORIENT	s3orient:w3 s orientation to date	Cont
04	S4ORIENT	s4orient:w4 s orientation to date	Cont
05	S5ORIENT	s5orient:w5 s orientation to date	Cont
06	S6ORIENT	s6orient:w6 s orientation to date	Cont
07	S7ORIENT	s7orient:w7 s orientation to date	Cont
08	S8ORIENT	s8orient:w8 s orientation to date	Cont
09	S9ORIENT	s9orient:w9 s orientation to date	Cont
10	S10ORIENT	s10orient:w10 s orientation to date	Cont
11	S11ORIENT	s11orient:w11 s orientation to date	Cont
12	S12ORIENT	s12orient:w12 s orientation to date	Cont
13	S13ORIENT	s13orient:w13 s orientation to date	Cont
02	R2FORIENT	r2forient:w2 r orientation to date flag	Categ
03	R3FORIENT	r3forient:w3 r orientation to date flag	Categ
04	R4FORIENT	r4forient:w4 r orientation to date flag	Categ
05	R5FORIENT	r5forient:w5 r orientation to date flag	Categ
06	R6FORIENT	r6forient:w6 r orientation to date flag	Categ
07	R7FORIENT	r7forient:w7 r orientation to date flag	Categ
08	R8FORIENT	r8forient:w8 r orientation to date flag	Categ
09	R9FORIENT	r9forient:w9 r orientation to date flag	Categ
10	R10FORIENT	r10forient:w10 r orientation to date flag	Categ
11	R11FORIENT	r11forient:w11 r orientation to date flag	Categ
12	R12FORIENT	r12forient:w12 r orientation to date flag	Categ
13	R13FORIENT	r13forient:w13 r orientation to date flag	Categ
02	S2FORIENT	s2forient:w2 s orientation to date flag	Categ
03	S3FORIENT	s3forient:w3 s orientation to date flag	Categ
04	S4FORIENT	s4forient:w4 s orientation to date flag	Categ
05	S5FORIENT	s5forient:w5 s orientation to date flag	Categ
06	S6FORIENT	s6forient:w6 s orientation to date flag	Categ
07	S7FORIENT	s7forient:w7 s orientation to date flag	Categ
08	S8FORIENT	s8forient:w8 s orientation to date flag	Categ
09	S9FORIENT	s9forient:w9 s orientation to date flag	Categ
10	S10FORIENT	s10forient:w10 s orientation to date flag	Categ
11	S11FORIENT	s11forient:w11 s orientation to date flag	Categ
12	S12FORIENT	s12forient:w12 s orientation to date flag	Categ
13	S13FORIENT	s13forient:w13 s orientation to date flag	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R2ORIENT	7382	3.66	0.72	0.00	4.00

R3ORIENT	16351	3.76	0.57	0.00	4.00
R4ORIENT	12330	3.73	0.62	0.00	4.00
R5ORIENT	9503	3.74	0.62	0.00	4.00
R6ORIENT	9611	3.71	0.67	0.00	4.00
R7ORIENT	13083	3.72	0.65	0.00	4.00
R8ORIENT	10517	3.67	0.71	0.00	4.00
R9ORIENT	10518	3.68	0.71	0.00	4.00
R10ORIENT	16031	3.71	0.64	0.00	4.00
R11ORIENT	10250	3.63	0.74	0.00	4.00
R12ORIENT	9692	3.62	0.77	0.00	4.00
R13ORIENT	13700	3.68	0.68	0.00	4.00
S2ORIENT	3867	3.71	0.63	0.00	4.00
S3ORIENT	10805	3.78	0.53	0.00	4.00
S4ORIENT	7481	3.77	0.56	0.00	4.00
S5ORIENT	5424	3.77	0.58	0.00	4.00
S6ORIENT	5497	3.75	0.60	0.00	4.00
S7ORIENT	7931	3.76	0.57	0.00	4.00
S8ORIENT	6067	3.71	0.65	0.00	4.00
S9ORIENT	6034	3.72	0.64	0.00	4.00
S10ORIENT	9476	3.74	0.59	0.00	4.00
S11ORIENT	5921	3.66	0.69	0.00	4.00
S12ORIENT	5342	3.66	0.71	0.00	4.00
S13ORIENT	7293	3.70	0.64	0.00	4.00
R2FORIENT	19642	-0.62	0.49	-1.00	1.00
R3FORIENT	17991	-0.09	0.29	-1.00	1.00
R4FORIENT	21384	-0.42	0.50	-1.00	1.00
R5FORIENT	19578	-0.51	0.50	-1.00	1.00
R6FORIENT	18165	-0.47	0.50	-1.00	1.00
R7FORIENT	20129	-0.35	0.48	-1.00	1.00
R8FORIENT	18469	-0.43	0.50	-1.00	1.00
R9FORIENT	17217	-0.39	0.49	-1.00	1.00
R10FORIENT	22034	-0.27	0.45	-1.00	1.00
R11FORIENT	20554	-0.50	0.50	-1.00	1.00
R12FORIENT	18747	-0.48	0.50	-1.00	1.00
R13FORIENT	20912	-0.34	0.48	-1.00	1.00
S2FORIENT	13088	-0.70	0.46	-1.00	1.00
S3FORIENT	11916	-0.09	0.29	-1.00	1.00
S4FORIENT	13978	-0.46	0.50	-1.00	1.00
S5FORIENT	12730	-0.57	0.50	-1.00	1.00
S6FORIENT	11632	-0.53	0.50	-1.00	1.00
S7FORIENT	12968	-0.39	0.49	-1.00	1.00
S8FORIENT	11728	-0.48	0.50	-1.00	1.00
S9FORIENT	10640	-0.43	0.50	-1.00	1.00
S10FORIENT	13508	-0.30	0.46	-1.00	1.00
S11FORIENT	12476	-0.52	0.50	-1.00	1.00
S12FORIENT	11012	-0.51	0.50	-1.00	1.00
S13FORIENT	11778	-0.38	0.49	-1.00	1.00

### Categorical Variable Codes

Value-----	R2FORIENT	R3FORIENT	R4FORIENT	R5FORIENT	
-1:missing, not imputed	12260	1640	9054	10075	
0.not imputed	7348	16331	12307	9483	
1.imputed	34	20	23	20	
Value-----	R6FORIENT	R7FORIENT	R8FORIENT	R9FORIENT	R10FORIENT
-1:missing, not imputed	8554	7046	7952	6699	6003
0.not imputed	9598	13061	10486	10499	16017
1.imputed	13	22	31	19	14
Value-----	R11FORIENT	R12FORIENT	R13FORIENT		

-1:missing, not imputed	10304	9055	7212		
0.not imputed	10233	9682	13683		
1.imputed	17	10	17		
Value-----		S2FORIENT	S3FORIENT	S4FORIENT	S5FORIENT
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
-1:missing, not imputed		9221	1111	6497	7306
0.not imputed		3852	10795	7466	5416
1.imputed		15	10	15	8
Value-----	S6FORIENT	S7FORIENT	S8FORIENT	S9FORIENT	S10FORIENT
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
-1:missing, not imputed	6135	5037	5661	4606	4032
0.not imputed	5488	7920	6050	6023	9467
1.imputed	9	11	17	11	9
Value-----	S11FORIENT	S12FORIENT	S13FORIENT		
.u:not coupled	7483	7125	8025		
.v:SP NR	595	610	1109		
-1:missing, not imputed	6555	5670	4485		
0.not imputed	5909	5338	7284		
1.imputed	12	4	9		

## How Constructed:

RwORIENT is a summary measure for the respondent's ability to correctly name the day of the month, the month, the year, and the day of the week (RwDY, RwMO, RwYR, and RwdW in the RAND HRS). It sums RwDY, RwMO, RwYR, and RwdW as long as no components are missing, and ranges from 0 to 4, with a higher score indicating a better orientation to time. RwORIENT is assigned special missing .p if RwDY, RwMO, RwYR, or RwdW is assigned special missing .s or .x, meaning the interview was completed by proxy. RwORIENT is assigned special missing .q for the HRS cohort in Wave 2 when these questions were not asked. RwORIENT is assigned special missing .a if the cognition questions were skipped because the respondent was younger than 65. Otherwise missing responses to RwORIENT are assigned special missing .m. RwORIENT is assigned plain missing (.) if the respondent did not participate in the current wave.

RwFORIENT is a flag variable indicating whether any of the components of RwORIENT are imputed. They are based on the values from RwfDY, RwfMO, RwfYR, and RwfDW in the RAND HRS. RwFORIENT is assigned a value of 0 if none of the components of RwORIENT were imputed, and is assigned a value of 1 if at least one of the components of RwORIENT were imputed. RwFORIENT is assigned a value of -1 if the value for RwORIENT is missing and assigned a value of .p, .q, .n, or .m. RwFORIENT is assigned plain missing (.) if the respondent did not participate in the current wave.

SwORIENT is the current wave's spouse's time orientation score, and is taken from the spouse's values to RwORIENT. SwFORIENT is the current wave's spouse's flag for their time orientation score, and is taken from the spouse's values to RwFORIENT. In addition to the special missing codes used in RwORIENT and RwFORIENT, SwORIENT and SwFORIENT employ two other missing codes: .u and .v. The special missing value .u is used when the respondent does not report being coupled in the current wave. The special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about date naming begin in AHEAD Wave 1, and so RwORIENT is available starting in AHEAD Wave 1. From Wave 4 forward, the questions are only asked of interviewees and re-interviewees who are 65 or older. If the questions were skipped because the respondent is younger than 65, then special missing value .a is assigned.

RwORIENT is not currently available for Waves 14 and 15, but will be incorporated with the next data release.

## HRS Variables Used:

RAND HRS:  
R10DW r10dw:w10 cognition date naming-day of week



R10DY	r10dy:w10	cognition	date	naming-day	of	month
R10MO	r10mo:w10	cognition	date	naming-month		
R10YR	r10yr:w10	cognition	date	naming-year		
R11DW	r11dw:w11	cognition	date	naming-day	of	week
R11DY	r11dy:w11	cognition	date	naming-day	of	month
R11MO	r11mo:w11	cognition	date	naming-month		
R11YR	r11yr:w11	cognition	date	naming-year		
R12DW	r12dw:w12	cognition	date	naming-day	of	week
R12DY	r12dy:w12	cognition	date	naming-day	of	month
R12MO	r12mo:w12	cognition	date	naming-month		
R12YR	r12yr:w12	cognition	date	naming-year		
R13DW	r13dw:w13	cognition	date	naming-day	of	week
R13DY	r13dy:w13	cognition	date	naming-day	of	month
R13MO	r13mo:w13	cognition	date	naming-month		
R13YR	r13yr:w13	cognition	date	naming-year		
R2DW	r2dw:w2	cognition	date	naming-day	of	week
R2DY	r2dy:w2	cognition	date	naming-day	of	month
R2MO	r2mo:w2	cognition	date	naming-month		
R2YR	r2yr:w2	cognition	date	naming-year		
R3DW	r3dw:w3	cognition	date	naming-day	of	week
R3DY	r3dy:w3	cognition	date	naming-day	of	month
R3MO	r3mo:w3	cognition	date	naming-month		
R3YR	r3yr:w3	cognition	date	naming-year		
R4DW	r4dw:w4	cognition	date	naming-day	of	week
R4DY	r4dy:w4	cognition	date	naming-day	of	month
R4MO	r4mo:w4	cognition	date	naming-month		
R4YR	r4yr:w4	cognition	date	naming-year		
R5DW	r5dw:w5	cognition	date	naming-day	of	week
R5DY	r5dy:w5	cognition	date	naming-day	of	month
R5MO	r5mo:w5	cognition	date	naming-month		
R5YR	r5yr:w5	cognition	date	naming-year		
R6DW	r6dw:w6	cognition	date	naming-day	of	week
R6DY	r6dy:w6	cognition	date	naming-day	of	month
R6MO	r6mo:w6	cognition	date	naming-month		
R6YR	r6yr:w6	cognition	date	naming-year		
R7DW	r7dw:w7	cognition	date	naming-day	of	week
R7DY	r7dy:w7	cognition	date	naming-day	of	month
R7MO	r7mo:w7	cognition	date	naming-month		
R7YR	r7yr:w7	cognition	date	naming-year		
R8DW	r8dw:w8	cognition	date	naming-day	of	week
R8DY	r8dy:w8	cognition	date	naming-day	of	month
R8MO	r8mo:w8	cognition	date	naming-month		
R8YR	r8yr:w8	cognition	date	naming-year		
R9DW	r9dw:w9	cognition	date	naming-day	of	week
R9DY	r9dy:w9	cognition	date	naming-day	of	month
R9MO	r9mo:w9	cognition	date	naming-month		
R9YR	r9yr:w9	cognition	date	naming-year		

<b>Numeracy Score</b>
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Wave	Variable	Label	Type
06	R6NUMBER	r6numer:w6 r numeracy score	Cont
07	R7NUMBER	r7numer:w7 r numeracy score	Cont
08	R8NUMBER	r8numer:w8 r numeracy score	Cont
09	R9NUMBER	r9numer:w9 r numeracy score	Cont
10	R10NUMBER	r10numer:w10 r numeracy score	Cont
11	R11NUMBER	r11numer:w11 r numeracy score	Cont
12	R12NUMBER	r12numer:w12 r numeracy score	Cont
13	R13NUMBER	r13numer:w13 r numeracy score	Cont
14	R14NUMBER	r14numer:w14 r numeracy score	Cont
15	R15NUMBER	r15numer:w15 r numeracy score	Cont
06	S6NUMBER	s6numer:w6 s numeracy score	Cont
07	S7NUMBER	s7numer:w7 s numeracy score	Cont
08	S8NUMBER	s8numer:w8 s numeracy score	Cont
09	S9NUMBER	s9numer:w9 s numeracy score	Cont
10	S10NUMBER	s10numer:w10 s numeracy score	Cont
11	S11NUMBER	s11numer:w11 s numeracy score	Cont
12	S12NUMBER	s12numer:w12 s numeracy score	Cont
13	S13NUMBER	s13numer:w13 s numeracy score	Cont
14	S14NUMBER	s14numer:w14 s numeracy score	Cont
15	S15NUMBER	s15numer:w15 s numeracy score	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R6NUMBER	13113	1.28	0.86	0.00	3.00
R7NUMBER	3134	1.45	0.86	0.00	3.00
R8NUMBER	15865	1.30	0.87	0.00	3.00
R9NUMBER	118	1.30	0.77	0.00	3.00
R10NUMBER	19693	1.21	0.87	0.00	3.00
R11NUMBER	447	1.19	0.86	0.00	3.00
R12NUMBER	16778	1.20	0.88	0.00	3.00
R13NUMBER	4397	1.25	0.87	0.00	3.00
R14NUMBER	15655	1.27	0.91	0.00	3.00
R15NUMBER	166	1.16	0.80	0.00	3.00
S6NUMBER	8445	1.38	0.85	0.00	3.00
S7NUMBER	2205	1.50	0.85	0.00	3.00
S8NUMBER	10304	1.39	0.87	0.00	3.00
S9NUMBER	116	1.29	0.77	0.00	3.00
S10NUMBER	12259	1.31	0.87	0.00	3.00
S11NUMBER	383	1.17	0.86	0.00	3.00
S12NUMBER	10034	1.30	0.88	0.00	3.00
S13NUMBER	2411	1.31	0.87	0.00	3.00
S14NUMBER	8654	1.39	0.91	0.00	3.00
S15NUMBER	147	1.14	0.77	0.00	3.00

### How Constructed:

RwNUMBER is the summary measure that scores the respondent's ability for mathematic performance. There are at most 3 questions asked to each respondent that require respondents to do simple computations, such as fraction-based calculations of the number of people affected by a disease, division-based calculations of lottery winnings, and the amount accrued as bank interest.

The number of numeracy questions asked depends on the number of questions the respondent answers correctly.

Every respondent is asked the same first two questions. The first question is: "If the chance of getting a disease is 10 percent, how many people out of 1,000 (one thousand) would be expected to get the disease?" The second question is: "If 5 people all have the winning numbers in the lottery and the prize is two million dollars, how much will each of them get?" If the respondent answered correctly either the number of people that would be expected to get the disease question, or the amount received by each of the lottery winners question, HRS then asks the final question: "Let's say you have \$200 in a savings account. The account earns 10 percent interest each year. How much would you have in the account at the end of two years?"

RwNUMER is the summary score indicating how well the respondent answered the numeracy questions. RwNUMER ranges from 0 to 3. A score of 0 indicates the respondent did not answer any of the first two questions correctly and was not asked the third. A score of 1 to 3 indicates the respondent answered at least one of the first two questions correctly and RwNUMER counts the total number of correct questions. Don't know, refused, or other missing responses of RwNUMER are assigned special missing codes .d, .r, .m, respectively. RwNUMER is set to special missing .p if the cognition questions were skipped because the interview was by proxy. If the respondent was not asked the numeracy questions because they answered the questions in a previous wave, special missing value .x is assigned. RwNUMER is set to plain missing (.) for respondents who did not respond to the current wave.

SwNUMER is the current wave's spouse's numeracy score, and its values are taken from RwNUMER. In addition to the special missing codes used in RwNUMER, SwNUMER employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The questions that are used to calculate numeracy scores begin in Wave 6, and so RwNUMER is available starting in Wave 6. The questions are always asked of new interview respondents. From Wave 7 forward, they are asked of re-interview respondents only in alternative waves, skipping odd-numbered waves and asked in even-numbered waves.

### HRS Variables Used:

#### Wave 6:

HA009	proxy/self interview
HD178	chance get disease
HD179	lottery split 5 ways
HD180	interest on savings

#### Wave 7:

JA009	proxy/self interview
JD178	chance get disease
JD179	lottery split 5 ways
JD180	interest on savings
JZ076	r ever interviewed

#### Wave 8:

KA009	proxy/self interview
KD178	chance get disease
KD179	lottery split 5 ways
KD180	interest on savings
KZ076	r ever interviewed

#### Wave 9:

LA009	proxy/self interview
LD178	chance get disease
LD179	lottery split 5 ways
LD180	interest on savings
LD190	altwave flag for d159 and d178 sequences
LZ076	r ever interviewed

#### Wave 10:

MA009	proxy/self interview
MD178	chance get disease

MD179 lottery split 5 ways  
MD180 interest on savings  
MD190 altwave flag for d159 and d178 sequences  
MZ076 r ever interviewed

Wave 11:  
NA009 proxy/self interview  
ND178 chance get disease  
ND179 lottery split 5 ways  
ND180 interest on savings  
ND190 altwave flag for d159 and d178 sequences  
NZ076 r ever interviewed

Wave 12:  
OA009 proxy/self interview  
OD178 chance get disease  
OD179 lottery split 5 ways  
OD180 interest on savings  
OD190 altwave flag for d159 and d178 sequences  
OZ076 r ever interviewed

Wave 13:  
PA009 proxy/self interview  
PD178 chance get disease  
PD179 lottery split 5 ways  
PD180 interest on savings  
PD190 altwave flag for d159 and d178 sequences  
PZ076 r ever interviewed

Wave 14:  
QA009 proxy/self interview  
QD178 chance get disease  
QD179 lottery split 5 ways  
QD180 interest on savings  
QD190 altwave flag for d159 and d178 sequences  
QZ076 r ever interviewed

Wave 15:  
RA009 proxy/self interview  
RD178 chance get disease  
RD179 lottery split 5 ways  
RD180 interest on savings  
RD190 altwave flag for d159 and d178 sequences  
RZ076 r ever interviewed

<b>Verbal Fluency Score</b>
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Wave	Variable	Label	Type
10	R10VERBF	r10verbf:w10 r verbal fluency score	Cont
11	R11VERBF	r11verbf:w11 r verbal fluency score	Cont
12	R12VERBF	r12verbf:w12 r verbal fluency score	Cont
13	R13VERBF	r13verbf:w13 r verbal fluency score	Cont
14	R14VERBF	r14verbf:w14 r verbal fluency score	Cont
15	R15VERBF	r15verbf:w15 r verbal fluency score	Cont
10	S10VERBF	s10verbf:w10 s verbal fluency score	Cont
11	S11VERBF	s11verbf:w11 s verbal fluency score	Cont
12	S12VERBF	s12verbf:w12 s verbal fluency score	Cont
13	S13VERBF	s13verbf:w13 s verbal fluency score	Cont
14	S14VERBF	s14verbf:w14 s verbal fluency score	Cont
15	S15VERBF	s15verbf:w15 s verbal fluency score	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R10VERBF	20604	15.93	7.22	0.00	90.00
R11VERBF	19395	16.54	7.34	0.00	90.00
R12VERBF	9581	15.05	6.58	0.00	89.00
R13VERBF	13537	16.79	7.09	0.00	89.00
R14VERBF	7605	16.16	6.67	0.00	78.00
R15VERBF	7360	16.40	8.75	0.00	99.00
S10VERBF	12663	16.68	7.17	0.00	90.00
S11VERBF	11819	17.31	7.35	0.00	90.00
S12VERBF	5297	15.97	6.71	0.00	89.00
S13VERBF	7229	17.62	7.08	0.00	89.00
S14VERBF	3928	17.18	6.64	1.00	78.00
S15VERBF	3718	17.32	8.57	1.00	99.00

### How Constructed:

RwVERBF contains the respondent's verbal fluency score, and is available starting in Wave 10. The respondent has one minute to name as many animals as fast as they can. Acceptable answers included any member of the animal kingdom, real or mythical. The HRS collects the total number of animal names, and if some were reported incorrectly, then also the number of incorrect animal names. RwVERBF is the count of the number of acceptable animal names, after subtracting the number of incorrect animal names from the total number of animal names. If that calculation produces a negative value, then RwVERBF is assigned a value of 0. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, or .m, respectively. RwVERBF is set to special missing .p if the cognition questions were skipped because the interview was by proxy. In Waves 10 and 11, RwVERBF is set to special missing .i if the test was declared invalid, reasons include technical/computer problems, language problems, interruptions, or someone else giving answers to the respondent. Starting in Wave 12, RwVERBF is set to special missing .a if this question was skipped because the respondent was younger than 65, and is set to special missing .x if this question was skipped because the respondent had answered this question in a previous interview. RwVERBF is set to plain missing (.) for respondents who did not respond to the current wave.

SwVERBF is the current wave's spouse's verbal fluency score, and is taken from the spouse's values to RwVERBF. In addition to the special missing codes used in RwVERBF, SwVERBF employs two additional missing codes: .u and .v. The special missing value .u is used when the respondent does not report being coupled in the current wave. The special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The question about verbal fluency begins in Wave 10, and so RwVERBF is available starting in Wave 10. In Waves 10 and 11, the original HRS coded invalid tests, don't know or not ascertained and refused in the question for total animal answers. From Wave 12, they do not code invalid, don't know, not ascertained, or refused responses. Starting in Wave 12, this test was not given to respondents who had been asked this question in a previous interview, or to those who were younger than 65.

### HRS Variables Used:

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RAND HRS:
  R12AGEY_E      r12agey_e:w12 r age (years) at ivw endmon
  R13AGEY_E      r13agey_e:w13 r age (years) at ivw endmon
  R14AGEY_E      r14agey_e:w14 r age (years) at ivw endmon
  R15AGEY_E      r15agey_e:w15 r age (years) at ivw endmon

Wave 10:
  MA009          proxy/self interview
  MD196          total animals answers
  MD197          animal mistakes
  MD198          animal mistakes number

Wave 11:
  NA009          proxy/self interview
  ND196          total animals answers
  ND197          animal mistakes
  ND198          animal mistakes number

Wave 12:
  OA009          proxy/self interview
  OD196          total animals answers
  OD197          animal mistakes
  OD198          animal mistakes number
  OZ076          r ever interviewed

Wave 13:
  PA009          proxy/self interview
  PD196          total animals answers
  PD197          animal mistakes
  PD198          animal mistakes number
  PZ076          r ever interviewed

Wave 14:
  QA009          proxy/self interview
  QD196          total animals answers
  QD198          animal mistakes number
  QZ076          r ever interviewed

Wave 15:
  RA009          proxy/self interview
  RD196          total animals answers
  RD198          animal mistakes number
  RZ076          r ever interviewed

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<b>JORM IQCODE Test</b>
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Wave	Variable	Label	Type
03	R3CIQSCORE1	r3ciqscore1:w3 r JORM family/friend details	Categ
04	R4CIQSCORE1	r4ciqscore1:w4 r JORM family/friend details	Categ
05	R5CIQSCORE1	r5ciqscore1:w5 r JORM family/friend details	Categ
06	R6CIQSCORE1	r6ciqscore1:w6 r JORM family/friend details	Categ
07	R7CIQSCORE1	r7ciqscore1:w7 r JORM family/friend details	Categ
08	R8CIQSCORE1	r8ciqscore1:w8 r JORM family/friend details	Categ
09	R9CIQSCORE1	r9ciqscore1:w9 r JORM family/friend details	Categ
10	R10CIQSCORE1	r10ciqscore1:w10 r JORM family/friend details	Categ
11	R11CIQSCORE1	r11ciqscore1:w11 r JORM family/friend details	Categ
12	R12CIQSCORE1	r12ciqscore1:w12 r JORM family/friend details	Categ
13	R13CIQSCORE1	r13ciqscore1:w13 r JORM family/friend details	Categ
14	R14CIQSCORE1	r14ciqscore1:w14 r JORM family/friend details	Categ
15	R15CIQSCORE1	r15ciqscore1:w15 r JORM family/friend details	Categ
03	S3CIQSCORE1	s3ciqscore1:w3 s JORM family/friend details	Categ
04	S4CIQSCORE1	s4ciqscore1:w4 s JORM family/friend details	Categ
05	S5CIQSCORE1	s5ciqscore1:w5 s JORM family/friend details	Categ
06	S6CIQSCORE1	s6ciqscore1:w6 s JORM family/friend details	Categ
07	S7CIQSCORE1	s7ciqscore1:w7 s JORM family/friend details	Categ
08	S8CIQSCORE1	s8ciqscore1:w8 s JORM family/friend details	Categ
09	S9CIQSCORE1	s9ciqscore1:w9 s JORM family/friend details	Categ
10	S10CIQSCORE1	s10ciqscore1:w10 s JORM family/friend details	Categ
11	S11CIQSCORE1	s11ciqscore1:w11 s JORM family/friend details	Categ
12	S12CIQSCORE1	s12ciqscore1:w12 s JORM family/friend details	Categ
13	S13CIQSCORE1	s13ciqscore1:w13 s JORM family/friend details	Categ
14	S14CIQSCORE1	s14ciqscore1:w14 s JORM family/friend details	Categ
15	S15CIQSCORE1	s15ciqscore1:w15 s JORM family/friend details	Categ
03	R3CIQSCORE2	r3ciqscore2:w3 r JORM recent events	Categ
04	R4CIQSCORE2	r4ciqscore2:w4 r JORM recent events	Categ
05	R5CIQSCORE2	r5ciqscore2:w5 r JORM recent events	Categ
06	R6CIQSCORE2	r6ciqscore2:w6 r JORM recent events	Categ
07	R7CIQSCORE2	r7ciqscore2:w7 r JORM recent events	Categ
08	R8CIQSCORE2	r8ciqscore2:w8 r JORM recent events	Categ
09	R9CIQSCORE2	r9ciqscore2:w9 r JORM recent events	Categ
10	R10CIQSCORE2	r10ciqscore2:w10 r JORM recent events	Categ
11	R11CIQSCORE2	r11ciqscore2:w11 r JORM recent events	Categ
12	R12CIQSCORE2	r12ciqscore2:w12 r JORM recent events	Categ
13	R13CIQSCORE2	r13ciqscore2:w13 r JORM recent events	Categ
14	R14CIQSCORE2	r14ciqscore2:w14 r JORM recent events	Categ
15	R15CIQSCORE2	r15ciqscore2:w15 r JORM recent events	Categ
03	S3CIQSCORE2	s3ciqscore2:w3 s JORM recent events	Categ
04	S4CIQSCORE2	s4ciqscore2:w4 s JORM recent events	Categ
05	S5CIQSCORE2	s5ciqscore2:w5 s JORM recent events	Categ
06	S6CIQSCORE2	s6ciqscore2:w6 s JORM recent events	Categ
07	S7CIQSCORE2	s7ciqscore2:w7 s JORM recent events	Categ
08	S8CIQSCORE2	s8ciqscore2:w8 s JORM recent events	Categ
09	S9CIQSCORE2	s9ciqscore2:w9 s JORM recent events	Categ
10	S10CIQSCORE2	s10ciqscore2:w10 s JORM recent events	Categ
11	S11CIQSCORE2	s11ciqscore2:w11 s JORM recent events	Categ
12	S12CIQSCORE2	s12ciqscore2:w12 s JORM recent events	Categ
13	S13CIQSCORE2	s13ciqscore2:w13 s JORM recent events	Categ
14	S14CIQSCORE2	s14ciqscore2:w14 s JORM recent events	Categ
15	S15CIQSCORE2	s15ciqscore2:w15 s JORM recent events	Categ
03	R3CIQSCORE3	r3ciqscore3:w3 r JORM recent conversations	Categ

04	R4CIQSCORE3	r4ciqscore3:w4	r	JORM	recent conversations	Categ
05	R5CIQSCORE3	r5ciqscore3:w5	r	JORM	recent conversations	Categ
06	R6CIQSCORE3	r6ciqscore3:w6	r	JORM	recent conversations	Categ
07	R7CIQSCORE3	r7ciqscore3:w7	r	JORM	recent conversations	Categ
08	R8CIQSCORE3	r8ciqscore3:w8	r	JORM	recent conversations	Categ
09	R9CIQSCORE3	r9ciqscore3:w9	r	JORM	recent conversations	Categ
10	R10CIQSCORE3	r10ciqscore3:w10	r	JORM	recent conversations	Categ
11	R11CIQSCORE3	r11ciqscore3:w11	r	JORM	recent conversations	Categ
12	R12CIQSCORE3	r12ciqscore3:w12	r	JORM	recent conversations	Categ
13	R13CIQSCORE3	r13ciqscore3:w13	r	JORM	recent conversations	Categ
14	R14CIQSCORE3	r14ciqscore3:w14	r	JORM	recent conversations	Categ
15	R15CIQSCORE3	r15ciqscore3:w15	r	JORM	recent conversations	Categ
03	S3CIQSCORE3	s3ciqscore3:w3	s	JORM	recent conversations	Categ
04	S4CIQSCORE3	s4ciqscore3:w4	s	JORM	recent conversations	Categ
05	S5CIQSCORE3	s5ciqscore3:w5	s	JORM	recent conversations	Categ
06	S6CIQSCORE3	s6ciqscore3:w6	s	JORM	recent conversations	Categ
07	S7CIQSCORE3	s7ciqscore3:w7	s	JORM	recent conversations	Categ
08	S8CIQSCORE3	s8ciqscore3:w8	s	JORM	recent conversations	Categ
09	S9CIQSCORE3	s9ciqscore3:w9	s	JORM	recent conversations	Categ
10	S10CIQSCORE3	s10ciqscore3:w10	s	JORM	recent conversations	Categ
11	S11CIQSCORE3	s11ciqscore3:w11	s	JORM	recent conversations	Categ
12	S12CIQSCORE3	s12ciqscore3:w12	s	JORM	recent conversations	Categ
13	S13CIQSCORE3	s13ciqscore3:w13	s	JORM	recent conversations	Categ
14	S14CIQSCORE3	s14ciqscore3:w14	s	JORM	recent conversations	Categ
15	S15CIQSCORE3	s15ciqscore3:w15	s	JORM	recent conversations	Categ
03	R3CIQSCORE4	r3ciqscore4:w3	r	JORM	address and telephone number	Categ
04	R4CIQSCORE4	r4ciqscore4:w4	r	JORM	address and telephone number	Categ
05	R5CIQSCORE4	r5ciqscore4:w5	r	JORM	address and telephone number	Categ
06	R6CIQSCORE4	r6ciqscore4:w6	r	JORM	address and telephone number	Categ
07	R7CIQSCORE4	r7ciqscore4:w7	r	JORM	address and telephone number	Categ
08	R8CIQSCORE4	r8ciqscore4:w8	r	JORM	address and telephone number	Categ
09	R9CIQSCORE4	r9ciqscore4:w9	r	JORM	address and telephone number	Categ
10	R10CIQSCORE4	r10ciqscore4:w10	r	JORM	address and telephone number	Categ
11	R11CIQSCORE4	r11ciqscore4:w11	r	JORM	address and telephone number	Categ
12	R12CIQSCORE4	r12ciqscore4:w12	r	JORM	address and telephone number	Categ
13	R13CIQSCORE4	r13ciqscore4:w13	r	JORM	address and telephone number	Categ
14	R14CIQSCORE4	r14ciqscore4:w14	r	JORM	address and telephone number	Categ
15	R15CIQSCORE4	r15ciqscore4:w15	r	JORM	address and telephone number	Categ
03	S3CIQSCORE4	s3ciqscore4:w3	s	JORM	address and telephone number	Categ
04	S4CIQSCORE4	s4ciqscore4:w4	s	JORM	address and telephone number	Categ
05	S5CIQSCORE4	s5ciqscore4:w5	s	JORM	address and telephone number	Categ
06	S6CIQSCORE4	s6ciqscore4:w6	s	JORM	address and telephone number	Categ
07	S7CIQSCORE4	s7ciqscore4:w7	s	JORM	address and telephone number	Categ
08	S8CIQSCORE4	s8ciqscore4:w8	s	JORM	address and telephone number	Categ
09	S9CIQSCORE4	s9ciqscore4:w9	s	JORM	address and telephone number	Categ
10	S10CIQSCORE4	s10ciqscore4:w10	s	JORM	address and telephone number	Categ
11	S11CIQSCORE4	s11ciqscore4:w11	s	JORM	address and telephone number	Categ
12	S12CIQSCORE4	s12ciqscore4:w12	s	JORM	address and telephone number	Categ
13	S13CIQSCORE4	s13ciqscore4:w13	s	JORM	address and telephone number	Categ
14	S14CIQSCORE4	s14ciqscore4:w14	s	JORM	address and telephone number	Categ
15	S15CIQSCORE4	s15ciqscore4:w15	s	JORM	address and telephone number	Categ
03	R3CIQSCORE5	r3ciqscore5:w3	r	JORM	day and month	Categ
04	R4CIQSCORE5	r4ciqscore5:w4	r	JORM	day and month	Categ
05	R5CIQSCORE5	r5ciqscore5:w5	r	JORM	day and month	Categ
06	R6CIQSCORE5	r6ciqscore5:w6	r	JORM	day and month	Categ
07	R7CIQSCORE5	r7ciqscore5:w7	r	JORM	day and month	Categ
08	R8CIQSCORE5	r8ciqscore5:w8	r	JORM	day and month	Categ
09	R9CIQSCORE5	r9ciqscore5:w9	r	JORM	day and month	Categ
10	R10CIQSCORE5	r10ciqscore5:w10	r	JORM	day and month	Categ



11	R11CIQSCORE5	r11ciqscore5:w11	r	JORM day and month	Categ
12	R12CIQSCORE5	r12ciqscore5:w12	r	JORM day and month	Categ
13	R13CIQSCORE5	r13ciqscore5:w13	r	JORM day and month	Categ
14	R14CIQSCORE5	r14ciqscore5:w14	r	JORM day and month	Categ
15	R15CIQSCORE5	r15ciqscore5:w15	r	JORM day and month	Categ
03	S3CIQSCORE5	s3ciqscore5:w3	s	JORM day and month	Categ
04	S4CIQSCORE5	s4ciqscore5:w4	s	JORM day and month	Categ
05	S5CIQSCORE5	s5ciqscore5:w5	s	JORM day and month	Categ
06	S6CIQSCORE5	s6ciqscore5:w6	s	JORM day and month	Categ
07	S7CIQSCORE5	s7ciqscore5:w7	s	JORM day and month	Categ
08	S8CIQSCORE5	s8ciqscore5:w8	s	JORM day and month	Categ
09	S9CIQSCORE5	s9ciqscore5:w9	s	JORM day and month	Categ
10	S10CIQSCORE5	s10ciqscore5:w10	s	JORM day and month	Categ
11	S11CIQSCORE5	s11ciqscore5:w11	s	JORM day and month	Categ
12	S12CIQSCORE5	s12ciqscore5:w12	s	JORM day and month	Categ
13	S13CIQSCORE5	s13ciqscore5:w13	s	JORM day and month	Categ
14	S14CIQSCORE5	s14ciqscore5:w14	s	JORM day and month	Categ
15	S15CIQSCORE5	s15ciqscore5:w15	s	JORM day and month	Categ
03	R3CIQSCORE6	r3ciqscore6:w3	r	JORM where things are usually kept	Categ
04	R4CIQSCORE6	r4ciqscore6:w4	r	JORM where things are usually kept	Categ
05	R5CIQSCORE6	r5ciqscore6:w5	r	JORM where things are usually kept	Categ
06	R6CIQSCORE6	r6ciqscore6:w6	r	JORM where things are usually kept	Categ
07	R7CIQSCORE6	r7ciqscore6:w7	r	JORM where things are usually kept	Categ
08	R8CIQSCORE6	r8ciqscore6:w8	r	JORM where things are usually kept	Categ
09	R9CIQSCORE6	r9ciqscore6:w9	r	JORM where things are usually kept	Categ
10	R10CIQSCORE6	r10ciqscore6:w10	r	JORM where things are usually kept	Categ
11	R11CIQSCORE6	r11ciqscore6:w11	r	JORM where things are usually kept	Categ
12	R12CIQSCORE6	r12ciqscore6:w12	r	JORM where things are usually kept	Categ
13	R13CIQSCORE6	r13ciqscore6:w13	r	JORM where things are usually kept	Categ
14	R14CIQSCORE6	r14ciqscore6:w14	r	JORM where things are usually kept	Categ
15	R15CIQSCORE6	r15ciqscore6:w15	r	JORM where things are usually kept	Categ
03	S3CIQSCORE6	s3ciqscore6:w3	s	JORM where things are usually kept	Categ
04	S4CIQSCORE6	s4ciqscore6:w4	s	JORM where things are usually kept	Categ
05	S5CIQSCORE6	s5ciqscore6:w5	s	JORM where things are usually kept	Categ
06	S6CIQSCORE6	s6ciqscore6:w6	s	JORM where things are usually kept	Categ
07	S7CIQSCORE6	s7ciqscore6:w7	s	JORM where things are usually kept	Categ
08	S8CIQSCORE6	s8ciqscore6:w8	s	JORM where things are usually kept	Categ
09	S9CIQSCORE6	s9ciqscore6:w9	s	JORM where things are usually kept	Categ
10	S10CIQSCORE6	s10ciqscore6:w10	s	JORM where things are usually kept	Categ
11	S11CIQSCORE6	s11ciqscore6:w11	s	JORM where things are usually kept	Categ
12	S12CIQSCORE6	s12ciqscore6:w12	s	JORM where things are usually kept	Categ
13	S13CIQSCORE6	s13ciqscore6:w13	s	JORM where things are usually kept	Categ
14	S14CIQSCORE6	s14ciqscore6:w14	s	JORM where things are usually kept	Categ
15	S15CIQSCORE6	s15ciqscore6:w15	s	JORM where things are usually kept	Categ
03	R3CIQSCORE7	r3ciqscore7:w3	r	JORM where to find things	Categ
04	R4CIQSCORE7	r4ciqscore7:w4	r	JORM where to find things	Categ
05	R5CIQSCORE7	r5ciqscore7:w5	r	JORM where to find things	Categ
06	R6CIQSCORE7	r6ciqscore7:w6	r	JORM where to find things	Categ
07	R7CIQSCORE7	r7ciqscore7:w7	r	JORM where to find things	Categ
08	R8CIQSCORE7	r8ciqscore7:w8	r	JORM where to find things	Categ
09	R9CIQSCORE7	r9ciqscore7:w9	r	JORM where to find things	Categ
10	R10CIQSCORE7	r10ciqscore7:w10	r	JORM where to find things	Categ
11	R11CIQSCORE7	r11ciqscore7:w11	r	JORM where to find things	Categ
12	R12CIQSCORE7	r12ciqscore7:w12	r	JORM where to find things	Categ
13	R13CIQSCORE7	r13ciqscore7:w13	r	JORM where to find things	Categ
14	R14CIQSCORE7	r14ciqscore7:w14	r	JORM where to find things	Categ
15	R15CIQSCORE7	r15ciqscore7:w15	r	JORM where to find things	Categ
03	S3CIQSCORE7	s3ciqscore7:w3	s	JORM where to find things	Categ

04	S4CIQSCORE7	s4ciqscore7:w4	s	JORM where to find things	Categ
05	S5CIQSCORE7	s5ciqscore7:w5	s	JORM where to find things	Categ
06	S6CIQSCORE7	s6ciqscore7:w6	s	JORM where to find things	Categ
07	S7CIQSCORE7	s7ciqscore7:w7	s	JORM where to find things	Categ
08	S8CIQSCORE7	s8ciqscore7:w8	s	JORM where to find things	Categ
09	S9CIQSCORE7	s9ciqscore7:w9	s	JORM where to find things	Categ
10	S10CIQSCORE7	s10ciqscore7:w10	s	JORM where to find things	Categ
11	S11CIQSCORE7	s11ciqscore7:w11	s	JORM where to find things	Categ
12	S12CIQSCORE7	s12ciqscore7:w12	s	JORM where to find things	Categ
13	S13CIQSCORE7	s13ciqscore7:w13	s	JORM where to find things	Categ
14	S14CIQSCORE7	s14ciqscore7:w14	s	JORM where to find things	Categ
15	S15CIQSCORE7	s15ciqscore7:w15	s	JORM where to find things	Categ
03	R3CIQSCORE8	r3ciqscore8:w3	r	JORM work familiar machines	Categ
04	R4CIQSCORE8	r4ciqscore8:w4	r	JORM work familiar machines	Categ
05	R5CIQSCORE8	r5ciqscore8:w5	r	JORM work familiar machines	Categ
06	R6CIQSCORE8	r6ciqscore8:w6	r	JORM work familiar machines	Categ
07	R7CIQSCORE8	r7ciqscore8:w7	r	JORM work familiar machines	Categ
08	R8CIQSCORE8	r8ciqscore8:w8	r	JORM work familiar machines	Categ
09	R9CIQSCORE8	r9ciqscore8:w9	r	JORM work familiar machines	Categ
10	R10CIQSCORE8	r10ciqscore8:w10	r	JORM work familiar machines	Categ
11	R11CIQSCORE8	r11ciqscore8:w11	r	JORM work familiar machines	Categ
12	R12CIQSCORE8	r12ciqscore8:w12	r	JORM work familiar machines	Categ
13	R13CIQSCORE8	r13ciqscore8:w13	r	JORM work familiar machines	Categ
14	R14CIQSCORE8	r14ciqscore8:w14	r	JORM work familiar machines	Categ
15	R15CIQSCORE8	r15ciqscore8:w15	r	JORM work familiar machines	Categ
03	S3CIQSCORE8	s3ciqscore8:w3	s	JORM work familiar machines	Categ
04	S4CIQSCORE8	s4ciqscore8:w4	s	JORM work familiar machines	Categ
05	S5CIQSCORE8	s5ciqscore8:w5	s	JORM work familiar machines	Categ
06	S6CIQSCORE8	s6ciqscore8:w6	s	JORM work familiar machines	Categ
07	S7CIQSCORE8	s7ciqscore8:w7	s	JORM work familiar machines	Categ
08	S8CIQSCORE8	s8ciqscore8:w8	s	JORM work familiar machines	Categ
09	S9CIQSCORE8	s9ciqscore8:w9	s	JORM work familiar machines	Categ
10	S10CIQSCORE8	s10ciqscore8:w10	s	JORM work familiar machines	Categ
11	S11CIQSCORE8	s11ciqscore8:w11	s	JORM work familiar machines	Categ
12	S12CIQSCORE8	s12ciqscore8:w12	s	JORM work familiar machines	Categ
13	S13CIQSCORE8	s13ciqscore8:w13	s	JORM work familiar machines	Categ
14	S14CIQSCORE8	s14ciqscore8:w14	s	JORM work familiar machines	Categ
15	S15CIQSCORE8	s15ciqscore8:w15	s	JORM work familiar machines	Categ
03	R3CIQSCORE9	r3ciqscore9:w3	r	JORM new gadget or machine	Categ
04	R4CIQSCORE9	r4ciqscore9:w4	r	JORM new gadget or machine	Categ
05	R5CIQSCORE9	r5ciqscore9:w5	r	JORM new gadget or machine	Categ
06	R6CIQSCORE9	r6ciqscore9:w6	r	JORM new gadget or machine	Categ
07	R7CIQSCORE9	r7ciqscore9:w7	r	JORM new gadget or machine	Categ
08	R8CIQSCORE9	r8ciqscore9:w8	r	JORM new gadget or machine	Categ
09	R9CIQSCORE9	r9ciqscore9:w9	r	JORM new gadget or machine	Categ
10	R10CIQSCORE9	r10ciqscore9:w10	r	JORM new gadget or machine	Categ
11	R11CIQSCORE9	r11ciqscore9:w11	r	JORM new gadget or machine	Categ
12	R12CIQSCORE9	r12ciqscore9:w12	r	JORM new gadget or machine	Categ
13	R13CIQSCORE9	r13ciqscore9:w13	r	JORM new gadget or machine	Categ
14	R14CIQSCORE9	r14ciqscore9:w14	r	JORM new gadget or machine	Categ
15	R15CIQSCORE9	r15ciqscore9:w15	r	JORM new gadget or machine	Categ
03	S3CIQSCORE9	s3ciqscore9:w3	s	JORM new gadget or machine	Categ
04	S4CIQSCORE9	s4ciqscore9:w4	s	JORM new gadget or machine	Categ
05	S5CIQSCORE9	s5ciqscore9:w5	s	JORM new gadget or machine	Categ
06	S6CIQSCORE9	s6ciqscore9:w6	s	JORM new gadget or machine	Categ
07	S7CIQSCORE9	s7ciqscore9:w7	s	JORM new gadget or machine	Categ
08	S8CIQSCORE9	s8ciqscore9:w8	s	JORM new gadget or machine	Categ
09	S9CIQSCORE9	s9ciqscore9:w9	s	JORM new gadget or machine	Categ
10	S10CIQSCORE9	s10ciqscore9:w10	s	JORM new gadget or machine	Categ

11	S11CIQSCORE9	s11ciqscore9:w11	s	JORM new gadget or machine	Categ
12	S12CIQSCORE9	s12ciqscore9:w12	s	JORM new gadget or machine	Categ
13	S13CIQSCORE9	s13ciqscore9:w13	s	JORM new gadget or machine	Categ
14	S14CIQSCORE9	s14ciqscore9:w14	s	JORM new gadget or machine	Categ
15	S15CIQSCORE9	s15ciqscore9:w15	s	JORM new gadget or machine	Categ
03	R3CIQSCORE10	r3ciqscore10:w3	r	JORM new things in general	Categ
04	R4CIQSCORE10	r4ciqscore10:w4	r	JORM new things in general	Categ
05	R5CIQSCORE10	r5ciqscore10:w5	r	JORM new things in general	Categ
06	R6CIQSCORE10	r6ciqscore10:w6	r	JORM new things in general	Categ
07	R7CIQSCORE10	r7ciqscore10:w7	r	JORM new things in general	Categ
08	R8CIQSCORE10	r8ciqscore10:w8	r	JORM new things in general	Categ
09	R9CIQSCORE10	r9ciqscore10:w9	r	JORM new things in general	Categ
10	R10CIQSCORE10	r10ciqscore10:w10	r	JORM new things in general	Categ
11	R11CIQSCORE10	r11ciqscore10:w11	r	JORM new things in general	Categ
12	R12CIQSCORE10	r12ciqscore10:w12	r	JORM new things in general	Categ
13	R13CIQSCORE10	r13ciqscore10:w13	r	JORM new things in general	Categ
14	R14CIQSCORE10	r14ciqscore10:w14	r	JORM new things in general	Categ
15	R15CIQSCORE10	r15ciqscore10:w15	r	JORM new things in general	Categ
03	S3CIQSCORE10	s3ciqscore10:w3	s	JORM new things in general	Categ
04	S4CIQSCORE10	s4ciqscore10:w4	s	JORM new things in general	Categ
05	S5CIQSCORE10	s5ciqscore10:w5	s	JORM new things in general	Categ
06	S6CIQSCORE10	s6ciqscore10:w6	s	JORM new things in general	Categ
07	S7CIQSCORE10	s7ciqscore10:w7	s	JORM new things in general	Categ
08	S8CIQSCORE10	s8ciqscore10:w8	s	JORM new things in general	Categ
09	S9CIQSCORE10	s9ciqscore10:w9	s	JORM new things in general	Categ
10	S10CIQSCORE10	s10ciqscore10:w10	s	JORM new things in general	Categ
11	S11CIQSCORE10	s11ciqscore10:w11	s	JORM new things in general	Categ
12	S12CIQSCORE10	s12ciqscore10:w12	s	JORM new things in general	Categ
13	S13CIQSCORE10	s13ciqscore10:w13	s	JORM new things in general	Categ
14	S14CIQSCORE10	s14ciqscore10:w14	s	JORM new things in general	Categ
15	S15CIQSCORE10	s15ciqscore10:w15	s	JORM new things in general	Categ
03	R3CIQSCORE11	r3ciqscore11:w3	r	JORM story in a book or on TV	Categ
04	R4CIQSCORE11	r4ciqscore11:w4	r	JORM story in a book or on TV	Categ
05	R5CIQSCORE11	r5ciqscore11:w5	r	JORM story in a book or on TV	Categ
06	R6CIQSCORE11	r6ciqscore11:w6	r	JORM story in a book or on TV	Categ
07	R7CIQSCORE11	r7ciqscore11:w7	r	JORM story in a book or on TV	Categ
08	R8CIQSCORE11	r8ciqscore11:w8	r	JORM story in a book or on TV	Categ
09	R9CIQSCORE11	r9ciqscore11:w9	r	JORM story in a book or on TV	Categ
10	R10CIQSCORE11	r10ciqscore11:w10	r	JORM story in a book or on TV	Categ
11	R11CIQSCORE11	r11ciqscore11:w11	r	JORM story in a book or on TV	Categ
12	R12CIQSCORE11	r12ciqscore11:w12	r	JORM story in a book or on TV	Categ
13	R13CIQSCORE11	r13ciqscore11:w13	r	JORM story in a book or on TV	Categ
14	R14CIQSCORE11	r14ciqscore11:w14	r	JORM story in a book or on TV	Categ
15	R15CIQSCORE11	r15ciqscore11:w15	r	JORM story in a book or on TV	Categ
03	S3CIQSCORE11	s3ciqscore11:w3	s	JORM story in a book or on TV	Categ
04	S4CIQSCORE11	s4ciqscore11:w4	s	JORM story in a book or on TV	Categ
05	S5CIQSCORE11	s5ciqscore11:w5	s	JORM story in a book or on TV	Categ
06	S6CIQSCORE11	s6ciqscore11:w6	s	JORM story in a book or on TV	Categ
07	S7CIQSCORE11	s7ciqscore11:w7	s	JORM story in a book or on TV	Categ
08	S8CIQSCORE11	s8ciqscore11:w8	s	JORM story in a book or on TV	Categ
09	S9CIQSCORE11	s9ciqscore11:w9	s	JORM story in a book or on TV	Categ
10	S10CIQSCORE11	s10ciqscore11:w10	s	JORM story in a book or on TV	Categ
11	S11CIQSCORE11	s11ciqscore11:w11	s	JORM story in a book or on TV	Categ
12	S12CIQSCORE11	s12ciqscore11:w12	s	JORM story in a book or on TV	Categ
13	S13CIQSCORE11	s13ciqscore11:w13	s	JORM story in a book or on TV	Categ
14	S14CIQSCORE11	s14ciqscore11:w14	s	JORM story in a book or on TV	Categ
15	S15CIQSCORE11	s15ciqscore11:w15	s	JORM story in a book or on TV	Categ
03	R3CIQSCORE12	r3ciqscore12:w3	r	JORM making decisions on everyday matters	Categ

04	R4CIQSCORE12	r4ciqscore12:w4	r	JORM making decisions on everyday matters	Categ
05	R5CIQSCORE12	r5ciqscore12:w5	r	JORM making decisions on everyday matters	Categ
06	R6CIQSCORE12	r6ciqscore12:w6	r	JORM making decisions on everyday matters	Categ
07	R7CIQSCORE12	r7ciqscore12:w7	r	JORM making decisions on everyday matters	Categ
08	R8CIQSCORE12	r8ciqscore12:w8	r	JORM making decisions on everyday matters	Categ
09	R9CIQSCORE12	r9ciqscore12:w9	r	JORM making decisions on everyday matters	Categ
10	R10CIQSCORE12	r10ciqscore12:w10	r	JORM making decisions on everyday matter	Categ
11	R11CIQSCORE12	r11ciqscore12:w11	r	JORM making decisions on everyday matter	Categ
12	R12CIQSCORE12	r12ciqscore12:w12	r	JORM making decisions on everyday matter	Categ
13	R13CIQSCORE12	r13ciqscore12:w13	r	JORM making decisions on everyday matter	Categ
14	R14CIQSCORE12	r14ciqscore12:w14	r	JORM making decisions on everyday matter	Categ
15	R15CIQSCORE12	r15ciqscore12:w15	r	JORM making decisions on everyday matter	Categ
03	S3CIQSCORE12	s3ciqscore12:w3	s	JORM making decisions on everyday matters	Categ
04	S4CIQSCORE12	s4ciqscore12:w4	s	JORM making decisions on everyday matters	Categ
05	S5CIQSCORE12	s5ciqscore12:w5	s	JORM making decisions on everyday matters	Categ
06	S6CIQSCORE12	s6ciqscore12:w6	s	JORM making decisions on everyday matters	Categ
07	S7CIQSCORE12	s7ciqscore12:w7	s	JORM making decisions on everyday matters	Categ
08	S8CIQSCORE12	s8ciqscore12:w8	s	JORM making decisions on everyday matters	Categ
09	S9CIQSCORE12	s9ciqscore12:w9	s	JORM making decisions on everyday matters	Categ
10	S10CIQSCORE12	s10ciqscore12:w10	s	JORM making decisions on everyday matter	Categ
11	S11CIQSCORE12	s11ciqscore12:w11	s	JORM making decisions on everyday matter	Categ
12	S12CIQSCORE12	s12ciqscore12:w12	s	JORM making decisions on everyday matter	Categ
13	S13CIQSCORE12	s13ciqscore12:w13	s	JORM making decisions on everyday matter	Categ
14	S14CIQSCORE12	s14ciqscore12:w14	s	JORM making decisions on everyday matter	Categ
15	S15CIQSCORE12	s15ciqscore12:w15	s	JORM making decisions on everyday matter	Categ
03	R3CIQSCORE13	r3ciqscore13:w3	r	JORM handling money for shopping	Categ
04	R4CIQSCORE13	r4ciqscore13:w4	r	JORM handling money for shopping	Categ
05	R5CIQSCORE13	r5ciqscore13:w5	r	JORM handling money for shopping	Categ
06	R6CIQSCORE13	r6ciqscore13:w6	r	JORM handling money for shopping	Categ
07	R7CIQSCORE13	r7ciqscore13:w7	r	JORM handling money for shopping	Categ
08	R8CIQSCORE13	r8ciqscore13:w8	r	JORM handling money for shopping	Categ
09	R9CIQSCORE13	r9ciqscore13:w9	r	JORM handling money for shopping	Categ
10	R10CIQSCORE13	r10ciqscore13:w10	r	JORM handling money for shopping	Categ
11	R11CIQSCORE13	r11ciqscore13:w11	r	JORM handling money for shopping	Categ
12	R12CIQSCORE13	r12ciqscore13:w12	r	JORM handling money for shopping	Categ
13	R13CIQSCORE13	r13ciqscore13:w13	r	JORM handling money for shopping	Categ
14	R14CIQSCORE13	r14ciqscore13:w14	r	JORM handling money for shopping	Categ
15	R15CIQSCORE13	r15ciqscore13:w15	r	JORM handling money for shopping	Categ
03	S3CIQSCORE13	s3ciqscore13:w3	s	JORM handling money for shopping	Categ
04	S4CIQSCORE13	s4ciqscore13:w4	s	JORM handling money for shopping	Categ
05	S5CIQSCORE13	s5ciqscore13:w5	s	JORM handling money for shopping	Categ
06	S6CIQSCORE13	s6ciqscore13:w6	s	JORM handling money for shopping	Categ
07	S7CIQSCORE13	s7ciqscore13:w7	s	JORM handling money for shopping	Categ
08	S8CIQSCORE13	s8ciqscore13:w8	s	JORM handling money for shopping	Categ
09	S9CIQSCORE13	s9ciqscore13:w9	s	JORM handling money for shopping	Categ
10	S10CIQSCORE13	s10ciqscore13:w10	s	JORM handling money for shopping	Categ
11	S11CIQSCORE13	s11ciqscore13:w11	s	JORM handling money for shopping	Categ
12	S12CIQSCORE13	s12ciqscore13:w12	s	JORM handling money for shopping	Categ
13	S13CIQSCORE13	s13ciqscore13:w13	s	JORM handling money for shopping	Categ
14	S14CIQSCORE13	s14ciqscore13:w14	s	JORM handling money for shopping	Categ
15	S15CIQSCORE13	s15ciqscore13:w15	s	JORM handling money for shopping	Categ
03	R3CIQSCORE14	r3ciqscore14:w3	r	JORM handling financial matters	Categ
04	R4CIQSCORE14	r4ciqscore14:w4	r	JORM handling financial matters	Categ
05	R5CIQSCORE14	r5ciqscore14:w5	r	JORM handling financial matters	Categ
06	R6CIQSCORE14	r6ciqscore14:w6	r	JORM handling financial matters	Categ
07	R7CIQSCORE14	r7ciqscore14:w7	r	JORM handling financial matters	Categ
08	R8CIQSCORE14	r8ciqscore14:w8	r	JORM handling financial matters	Categ
09	R9CIQSCORE14	r9ciqscore14:w9	r	JORM handling financial matters	Categ
10	R10CIQSCORE14	r10ciqscore14:w10	r	JORM handling financial matters	Categ

11	R11CIQSCORE14	r11ciqscore14:w11	r	JORM	handling	financial matters	Categ
12	R12CIQSCORE14	r12ciqscore14:w12	r	JORM	handling	financial matters	Categ
13	R13CIQSCORE14	r13ciqscore14:w13	r	JORM	handling	financial matters	Categ
14	R14CIQSCORE14	r14ciqscore14:w14	r	JORM	handling	financial matters	Categ
15	R15CIQSCORE14	r15ciqscore14:w15	r	JORM	handling	financial matters	Categ
03	S3CIQSCORE14	s3ciqscore14:w3	s	JORM	handling	financial matters	Categ
04	S4CIQSCORE14	s4ciqscore14:w4	s	JORM	handling	financial matters	Categ
05	S5CIQSCORE14	s5ciqscore14:w5	s	JORM	handling	financial matters	Categ
06	S6CIQSCORE14	s6ciqscore14:w6	s	JORM	handling	financial matters	Categ
07	S7CIQSCORE14	s7ciqscore14:w7	s	JORM	handling	financial matters	Categ
08	S8CIQSCORE14	s8ciqscore14:w8	s	JORM	handling	financial matters	Categ
09	S9CIQSCORE14	s9ciqscore14:w9	s	JORM	handling	financial matters	Categ
10	S10CIQSCORE14	s10ciqscore14:w10	s	JORM	handling	financial matters	Categ
11	S11CIQSCORE14	s11ciqscore14:w11	s	JORM	handling	financial matters	Categ
12	S12CIQSCORE14	s12ciqscore14:w12	s	JORM	handling	financial matters	Categ
13	S13CIQSCORE14	s13ciqscore14:w13	s	JORM	handling	financial matters	Categ
14	S14CIQSCORE14	s14ciqscore14:w14	s	JORM	handling	financial matters	Categ
15	S15CIQSCORE14	s15ciqscore14:w15	s	JORM	handling	financial matters	Categ
03	R3CIQSCORE15	r3ciqscore15:w3	r	JORM	handling	other everyday arithmetic pr	Categ
04	R4CIQSCORE15	r4ciqscore15:w4	r	JORM	handling	other everyday arithmetic pr	Categ
05	R5CIQSCORE15	r5ciqscore15:w5	r	JORM	handling	other everyday arithmetic pr	Categ
06	R6CIQSCORE15	r6ciqscore15:w6	r	JORM	handling	other everyday arithmetic pr	Categ
07	R7CIQSCORE15	r7ciqscore15:w7	r	JORM	handling	other everyday arithmetic pr	Categ
08	R8CIQSCORE15	r8ciqscore15:w8	r	JORM	handling	other everyday arithmetic pr	Categ
09	R9CIQSCORE15	r9ciqscore15:w9	r	JORM	handling	other everyday arithmetic pr	Categ
10	R10CIQSCORE15	r10ciqscore15:w10	r	JORM	handling	other everyday arithmetic	Categ
11	R11CIQSCORE15	r11ciqscore15:w11	r	JORM	handling	other everyday arithmetic	Categ
12	R12CIQSCORE15	r12ciqscore15:w12	r	JORM	handling	other everyday arithmetic	Categ
13	R13CIQSCORE15	r13ciqscore15:w13	r	JORM	handling	other everyday arithmetic	Categ
14	R14CIQSCORE15	r14ciqscore15:w14	r	JORM	handling	other everyday arithmetic	Categ
15	R15CIQSCORE15	r15ciqscore15:w15	r	JORM	handling	other everyday arithmetic	Categ
03	S3CIQSCORE15	s3ciqscore15:w3	s	JORM	handling	other everyday arithmetic pr	Categ
04	S4CIQSCORE15	s4ciqscore15:w4	s	JORM	handling	other everyday arithmetic pr	Categ
05	S5CIQSCORE15	s5ciqscore15:w5	s	JORM	handling	other everyday arithmetic pr	Categ
06	S6CIQSCORE15	s6ciqscore15:w6	s	JORM	handling	other everyday arithmetic pr	Categ
07	S7CIQSCORE15	s7ciqscore15:w7	s	JORM	handling	other everyday arithmetic pr	Categ
08	S8CIQSCORE15	s8ciqscore15:w8	s	JORM	handling	other everyday arithmetic pr	Categ
09	S9CIQSCORE15	s9ciqscore15:w9	s	JORM	handling	other everyday arithmetic pr	Categ
10	S10CIQSCORE15	s10ciqscore15:w10	s	JORM	handling	other everyday arithmetic	Categ
11	S11CIQSCORE15	s11ciqscore15:w11	s	JORM	handling	other everyday arithmetic	Categ
12	S12CIQSCORE15	s12ciqscore15:w12	s	JORM	handling	other everyday arithmetic	Categ
13	S13CIQSCORE15	s13ciqscore15:w13	s	JORM	handling	other everyday arithmetic	Categ
14	S14CIQSCORE15	s14ciqscore15:w14	s	JORM	handling	other everyday arithmetic	Categ
15	S15CIQSCORE15	s15ciqscore15:w15	s	JORM	handling	other everyday arithmetic	Categ
03	R3CIQSCORE16	r3ciqscore16:w3	r	JORM	reason	things through	Categ
04	R4CIQSCORE16	r4ciqscore16:w4	r	JORM	reason	things through	Categ
05	R5CIQSCORE16	r5ciqscore16:w5	r	JORM	reason	things through	Categ
06	R6CIQSCORE16	r6ciqscore16:w6	r	JORM	reason	things through	Categ
07	R7CIQSCORE16	r7ciqscore16:w7	r	JORM	reason	things through	Categ
08	R8CIQSCORE16	r8ciqscore16:w8	r	JORM	reason	things through	Categ
09	R9CIQSCORE16	r9ciqscore16:w9	r	JORM	reason	things through	Categ
10	R10CIQSCORE16	r10ciqscore16:w10	r	JORM	reason	things through	Categ
11	R11CIQSCORE16	r11ciqscore16:w11	r	JORM	reason	things through	Categ
12	R12CIQSCORE16	r12ciqscore16:w12	r	JORM	reason	things through	Categ
13	R13CIQSCORE16	r13ciqscore16:w13	r	JORM	reason	things through	Categ
14	R14CIQSCORE16	r14ciqscore16:w14	r	JORM	reason	things through	Categ
15	R15CIQSCORE16	r15ciqscore16:w15	r	JORM	reason	things through	Categ
03	S3CIQSCORE16	s3ciqscore16:w3	s	JORM	reason	things through	Categ

04	S4CIQSCORE16	s4ciqscore16:w4	s	JORM	reason things through	Categ
05	S5CIQSCORE16	s5ciqscore16:w5	s	JORM	reason things through	Categ
06	S6CIQSCORE16	s6ciqscore16:w6	s	JORM	reason things through	Categ
07	S7CIQSCORE16	s7ciqscore16:w7	s	JORM	reason things through	Categ
08	S8CIQSCORE16	s8ciqscore16:w8	s	JORM	reason things through	Categ
09	S9CIQSCORE16	s9ciqscore16:w9	s	JORM	reason things through	Categ
10	S10CIQSCORE16	s10ciqscore16:w10	s	JORM	reason things through	Categ
11	S11CIQSCORE16	s11ciqscore16:w11	s	JORM	reason things through	Categ
12	S12CIQSCORE16	s12ciqscore16:w12	s	JORM	reason things through	Categ
13	S13CIQSCORE16	s13ciqscore16:w13	s	JORM	reason things through	Categ
14	S14CIQSCORE16	s14ciqscore16:w14	s	JORM	reason things through	Categ
15	S15CIQSCORE16	s15ciqscore16:w15	s	JORM	reason things through	Categ
03	R3CJORMSCORE	r3cjormscore:w3	r	JORM	average score	Cont
04	R4CJORMSCORE	r4cjormscore:w4	r	JORM	average score	Cont
05	R5CJORMSCORE	r5cjormscore:w5	r	JORM	average score	Cont
06	R6CJORMSCORE	r6cjormscore:w6	r	JORM	average score	Cont
07	R7CJORMSCORE	r7cjormscore:w7	r	JORM	average score	Cont
08	R8CJORMSCORE	r8cjormscore:w8	r	JORM	average score	Cont
09	R9CJORMSCORE	r9cjormscore:w9	r	JORM	average score	Cont
10	R10CJORMSCORE	r10cjormscore:w10	r	JORM	average score	Cont
11	R11CJORMSCORE	r11cjormscore:w11	r	JORM	average score	Cont
12	R12CJORMSCORE	r12cjormscore:w12	r	JORM	average score	Cont
13	R13CJORMSCORE	r13cjormscore:w13	r	JORM	average score	Cont
14	R14CJORMSCORE	r14cjormscore:w14	r	JORM	average score	Cont
15	R15CJORMSCORE	r15cjormscore:w15	r	JORM	average score	Cont
03	S3CJORMSCORE	s3cjormscore:w3	s	JORM	average score	Cont
04	S4CJORMSCORE	s4cjormscore:w4	s	JORM	average score	Cont
05	S5CJORMSCORE	s5cjormscore:w5	s	JORM	average score	Cont
06	S6CJORMSCORE	s6cjormscore:w6	s	JORM	average score	Cont
07	S7CJORMSCORE	s7cjormscore:w7	s	JORM	average score	Cont
08	S8CJORMSCORE	s8cjormscore:w8	s	JORM	average score	Cont
09	S9CJORMSCORE	s9cjormscore:w9	s	JORM	average score	Cont
10	S10CJORMSCORE	s10cjormscore:w10	s	JORM	average score	Cont
11	S11CJORMSCORE	s11cjormscore:w11	s	JORM	average score	Cont
12	S12CJORMSCORE	s12cjormscore:w12	s	JORM	average score	Cont
13	S13CJORMSCORE	s13cjormscore:w13	s	JORM	average score	Cont
14	S14CJORMSCORE	s14cjormscore:w14	s	JORM	average score	Cont
15	S15CJORMSCORE	s15cjormscore:w15	s	JORM	average score	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3CIQSCORE1	1635	3.36	0.79	1.00	5.00
R4CIQSCORE1	1296	3.51	0.85	1.00	5.00
R5CIQSCORE1	1355	3.53	0.84	1.00	5.00
R6CIQSCORE1	1376	3.54	0.84	1.00	5.00
R7CIQSCORE1	1177	3.53	0.87	1.00	5.00
R8CIQSCORE1	915	3.62	0.88	1.00	5.00
R9CIQSCORE1	884	3.60	0.88	1.00	5.00
R10CIQSCORE1	1040	3.61	0.89	1.00	5.00
R11CIQSCORE1	878	3.72	0.91	1.00	5.00
R12CIQSCORE1	803	3.64	0.90	1.00	5.00
R13CIQSCORE1	717	3.72	0.94	1.00	5.00
R14CIQSCORE1	510	3.64	0.85	1.00	5.00
R15CIQSCORE1	576	3.69	0.91	1.00	5.00
S3CIQSCORE1	1109	3.23	0.68	1.00	5.00
S4CIQSCORE1	718	3.36	0.76	1.00	5.00
S5CIQSCORE1	751	3.34	0.72	1.00	5.00
S6CIQSCORE1	767	3.33	0.71	1.00	5.00

S7CIQSCORE1	640	3.30	0.73	1.00	5.00
S8CIQSCORE1	484	3.40	0.77	1.00	5.00
S9CIQSCORE1	432	3.39	0.78	1.00	5.00
S10CIQSCORE1	506	3.40	0.79	1.00	5.00
S11CIQSCORE1	409	3.47	0.82	1.00	5.00
S12CIQSCORE1	367	3.49	0.81	1.00	5.00
S13CIQSCORE1	327	3.48	0.86	1.00	5.00
S14CIQSCORE1	251	3.44	0.76	1.00	5.00
S15CIQSCORE1	292	3.56	0.86	1.00	5.00
R3CIQSCORE2	1633	3.41	0.81	1.00	5.00
R4CIQSCORE2	1294	3.59	0.90	1.00	5.00
R5CIQSCORE2	1353	3.60	0.86	1.00	5.00
R6CIQSCORE2	1375	3.57	0.86	1.00	5.00
R7CIQSCORE2	1183	3.59	0.90	1.00	5.00
R8CIQSCORE2	925	3.68	0.89	1.00	5.00
R9CIQSCORE2	887	3.65	0.90	1.00	5.00
R10CIQSCORE2	1041	3.66	0.92	1.00	5.00
R11CIQSCORE2	870	3.74	0.94	1.00	5.00
R12CIQSCORE2	805	3.73	0.92	1.00	5.00
R13CIQSCORE2	716	3.78	0.95	1.00	5.00
R14CIQSCORE2	509	3.72	0.90	1.00	5.00
R15CIQSCORE2	577	3.74	0.92	1.00	5.00
S3CIQSCORE2	1107	3.23	0.70	1.00	5.00
S4CIQSCORE2	718	3.40	0.80	1.00	5.00
S5CIQSCORE2	750	3.37	0.74	1.00	5.00
S6CIQSCORE2	766	3.32	0.73	1.00	5.00
S7CIQSCORE2	646	3.33	0.78	1.00	5.00
S8CIQSCORE2	487	3.45	0.78	1.00	5.00
S9CIQSCORE2	434	3.37	0.77	1.00	5.00
S10CIQSCORE2	510	3.41	0.83	1.00	5.00
S11CIQSCORE2	409	3.47	0.86	1.00	5.00
S12CIQSCORE2	370	3.53	0.84	1.00	5.00
S13CIQSCORE2	326	3.51	0.88	1.00	5.00
S14CIQSCORE2	250	3.45	0.81	1.00	5.00
S15CIQSCORE2	292	3.54	0.83	1.00	5.00
R3CIQSCORE3	1634	3.43	0.82	1.00	5.00
R4CIQSCORE3	1291	3.61	0.90	1.00	5.00
R5CIQSCORE3	1352	3.63	0.86	1.00	5.00
R6CIQSCORE3	1371	3.61	0.88	1.00	5.00
R7CIQSCORE3	1178	3.60	0.88	1.00	5.00
R8CIQSCORE3	917	3.67	0.91	1.00	5.00
R9CIQSCORE3	881	3.70	0.92	1.00	5.00
R10CIQSCORE3	1033	3.71	0.93	1.00	5.00
R11CIQSCORE3	863	3.77	0.93	1.00	5.00
R12CIQSCORE3	799	3.78	0.95	1.00	5.00
R13CIQSCORE3	709	3.78	0.93	1.00	5.00
R14CIQSCORE3	505	3.78	0.92	1.00	5.00
R15CIQSCORE3	571	3.77	0.92	1.00	5.00
S3CIQSCORE3	1109	3.27	0.71	1.00	5.00
S4CIQSCORE3	717	3.41	0.80	1.00	5.00
S5CIQSCORE3	750	3.39	0.75	1.00	5.00
S6CIQSCORE3	765	3.36	0.74	1.00	5.00
S7CIQSCORE3	644	3.34	0.75	1.00	5.00
S8CIQSCORE3	483	3.44	0.79	1.00	5.00
S9CIQSCORE3	432	3.40	0.78	1.00	5.00
S10CIQSCORE3	504	3.48	0.85	1.00	5.00
S11CIQSCORE3	405	3.53	0.86	1.00	5.00
S12CIQSCORE3	368	3.55	0.86	1.00	5.00
S13CIQSCORE3	321	3.50	0.87	1.00	5.00

S14CIQSCORE3	249	3.54	0.85	1.00	5.00
S15CIQSCORE3	290	3.58	0.84	2.00	5.00
R3CIQSCORE4	1629	3.31	0.75	1.00	5.00
R4CIQSCORE4	1288	3.48	0.86	1.00	5.00
R5CIQSCORE4	1343	3.46	0.84	1.00	5.00
R6CIQSCORE4	1361	3.47	0.84	1.00	5.00
R7CIQSCORE4	1136	3.42	0.85	1.00	5.00
R8CIQSCORE4	871	3.48	0.83	1.00	5.00
R9CIQSCORE4	837	3.53	0.90	1.00	5.00
R10CIQSCORE4	998	3.50	0.91	1.00	5.00
R11CIQSCORE4	844	3.58	0.92	1.00	5.00
R12CIQSCORE4	769	3.57	0.91	1.00	5.00
R13CIQSCORE4	686	3.62	0.93	1.00	5.00
R14CIQSCORE4	491	3.58	0.88	1.00	5.00
R15CIQSCORE4	562	3.54	0.86	1.00	5.00
S3CIQSCORE4	1107	3.17	0.63	1.00	5.00
S4CIQSCORE4	716	3.29	0.73	1.00	5.00
S5CIQSCORE4	748	3.24	0.68	1.00	5.00
S6CIQSCORE4	765	3.24	0.67	1.00	5.00
S7CIQSCORE4	632	3.17	0.68	1.00	5.00
S8CIQSCORE4	469	3.27	0.65	1.00	5.00
S9CIQSCORE4	425	3.25	0.71	1.00	5.00
S10CIQSCORE4	494	3.27	0.81	1.00	5.00
S11CIQSCORE4	400	3.33	0.78	1.00	5.00
S12CIQSCORE4	361	3.37	0.83	1.00	5.00
S13CIQSCORE4	317	3.39	0.84	1.00	5.00
S14CIQSCORE4	242	3.33	0.74	1.00	5.00
S15CIQSCORE4	286	3.32	0.75	1.00	5.00
R3CIQSCORE5	1634	3.41	0.81	1.00	5.00
R4CIQSCORE5	1293	3.57	0.88	1.00	5.00
R5CIQSCORE5	1352	3.57	0.85	1.00	5.00
R6CIQSCORE5	1370	3.53	0.85	1.00	5.00
R7CIQSCORE5	1152	3.54	0.86	1.00	5.00
R8CIQSCORE5	898	3.58	0.87	1.00	5.00
R9CIQSCORE5	866	3.65	0.91	1.00	5.00
R10CIQSCORE5	1017	3.65	0.93	1.00	5.00
R11CIQSCORE5	850	3.68	0.93	1.00	5.00
R12CIQSCORE5	786	3.69	0.94	1.00	5.00
R13CIQSCORE5	697	3.70	0.93	1.00	5.00
R14CIQSCORE5	498	3.69	0.90	1.00	5.00
R15CIQSCORE5	569	3.67	0.88	1.00	5.00
S3CIQSCORE5	1108	3.23	0.67	1.00	5.00
S4CIQSCORE5	718	3.36	0.76	1.00	5.00
S5CIQSCORE5	750	3.33	0.70	1.00	5.00
S6CIQSCORE5	766	3.28	0.68	1.00	5.00
S7CIQSCORE5	634	3.28	0.70	1.00	5.00
S8CIQSCORE5	481	3.34	0.73	1.00	5.00
S9CIQSCORE5	426	3.35	0.77	1.00	5.00
S10CIQSCORE5	500	3.42	0.87	1.00	5.00
S11CIQSCORE5	402	3.44	0.84	1.00	5.00
S12CIQSCORE5	360	3.48	0.87	1.00	5.00
S13CIQSCORE5	320	3.45	0.85	1.00	5.00
S14CIQSCORE5	244	3.41	0.82	1.00	5.00
S15CIQSCORE5	290	3.50	0.84	1.00	5.00
R3CIQSCORE6	1635	3.38	0.78	1.00	5.00
R4CIQSCORE6	1289	3.51	0.87	1.00	5.00
R5CIQSCORE6	1349	3.52	0.83	1.00	5.00
R6CIQSCORE6	1371	3.51	0.83	1.00	5.00



R7CIQSCORE6	1143	3.48	0.83	1.00	5.00
R8CIQSCORE6	890	3.54	0.87	1.00	5.00
R9CIQSCORE6	859	3.56	0.87	1.00	5.00
R10CIQSCORE6	1015	3.56	0.91	1.00	5.00
R11CIQSCORE6	848	3.61	0.91	1.00	5.00
R12CIQSCORE6	782	3.60	0.93	1.00	5.00
R13CIQSCORE6	698	3.65	0.89	1.00	5.00
R14CIQSCORE6	501	3.68	0.89	1.00	5.00
R15CIQSCORE6	572	3.64	0.88	1.00	5.00
S3CIQSCORE6	1109	3.24	0.67	1.00	5.00
S4CIQSCORE6	715	3.36	0.77	1.00	5.00
S5CIQSCORE6	750	3.34	0.69	1.00	5.00
S6CIQSCORE6	766	3.33	0.71	1.00	5.00
S7CIQSCORE6	630	3.30	0.72	1.00	5.00
S8CIQSCORE6	478	3.37	0.74	1.00	5.00
S9CIQSCORE6	429	3.37	0.73	1.00	5.00
S10CIQSCORE6	500	3.38	0.86	1.00	5.00
S11CIQSCORE6	398	3.44	0.83	1.00	5.00
S12CIQSCORE6	363	3.47	0.85	1.00	5.00
S13CIQSCORE6	319	3.46	0.83	1.00	5.00
S14CIQSCORE6	247	3.49	0.76	2.00	5.00
S15CIQSCORE6	291	3.49	0.79	2.00	5.00
R3CIQSCORE7	1625	3.47	0.82	1.00	5.00
R4CIQSCORE7	1277	3.67	0.90	1.00	5.00
R5CIQSCORE7	1343	3.67	0.86	1.00	5.00
R6CIQSCORE7	1362	3.65	0.86	1.00	5.00
R7CIQSCORE7	1097	3.60	0.86	1.00	5.00
R8CIQSCORE7	857	3.67	0.88	1.00	5.00
R9CIQSCORE7	820	3.72	0.90	1.00	5.00
R10CIQSCORE7	987	3.69	0.93	1.00	5.00
R11CIQSCORE7	820	3.72	0.95	1.00	5.00
R12CIQSCORE7	770	3.75	0.95	1.00	5.00
R13CIQSCORE7	685	3.78	0.93	1.00	5.00
R14CIQSCORE7	492	3.81	0.92	1.00	5.00
R15CIQSCORE7	562	3.80	0.91	1.00	5.00
S3CIQSCORE7	1106	3.30	0.71	1.00	5.00
S4CIQSCORE7	714	3.50	0.83	1.00	5.00
S5CIQSCORE7	748	3.46	0.75	1.00	5.00
S6CIQSCORE7	763	3.43	0.75	1.00	5.00
S7CIQSCORE7	618	3.38	0.73	1.00	5.00
S8CIQSCORE7	466	3.49	0.78	1.00	5.00
S9CIQSCORE7	414	3.48	0.77	1.00	5.00
S10CIQSCORE7	486	3.51	0.88	1.00	5.00
S11CIQSCORE7	387	3.49	0.86	1.00	5.00
S12CIQSCORE7	356	3.55	0.87	1.00	5.00
S13CIQSCORE7	313	3.55	0.87	1.00	5.00
S14CIQSCORE7	244	3.59	0.82	1.00	5.00
S15CIQSCORE7	287	3.61	0.86	1.00	5.00
R3CIQSCORE8	1611	3.34	0.78	1.00	5.00
R4CIQSCORE8	1255	3.51	0.87	1.00	5.00
R5CIQSCORE8	1318	3.54	0.87	1.00	5.00
R6CIQSCORE8	1340	3.50	0.85	1.00	5.00
R7CIQSCORE8	916	3.35	0.80	1.00	5.00
R8CIQSCORE8	658	3.39	0.79	1.00	5.00
R9CIQSCORE8	645	3.49	0.88	1.00	5.00
R10CIQSCORE8	845	3.53	0.90	1.00	5.00
R11CIQSCORE8	728	3.56	0.91	1.00	5.00
R12CIQSCORE8	678	3.59	0.91	1.00	5.00
R13CIQSCORE8	607	3.61	0.93	1.00	5.00

R14CIQSCORE8	451	3.61	0.87	1.00	5.00
R15CIQSCORE8	516	3.60	0.92	1.00	5.00
S3CIQSCORE8	1104	3.18	0.66	1.00	5.00
S4CIQSCORE8	708	3.30	0.74	1.00	5.00
S5CIQSCORE8	742	3.32	0.71	1.00	5.00
S6CIQSCORE8	759	3.30	0.73	1.00	5.00
S7CIQSCORE8	565	3.17	0.65	1.00	5.00
S8CIQSCORE8	405	3.26	0.69	1.00	5.00
S9CIQSCORE8	373	3.28	0.72	1.00	5.00
S10CIQSCORE8	447	3.31	0.81	1.00	5.00
S11CIQSCORE8	363	3.32	0.80	1.00	5.00
S12CIQSCORE8	334	3.36	0.80	1.00	5.00
S13CIQSCORE8	290	3.41	0.84	1.00	5.00
S14CIQSCORE8	228	3.37	0.75	1.00	5.00
S15CIQSCORE8	272	3.39	0.81	1.00	5.00
R3CIQSCORE9	1603	3.42	0.85	1.00	5.00
R4CIQSCORE9	1257	3.62	0.92	1.00	5.00
R5CIQSCORE9	1311	3.64	0.90	1.00	5.00
R6CIQSCORE9	1333	3.61	0.91	1.00	5.00
R7CIQSCORE9	830	3.43	0.85	1.00	5.00
R8CIQSCORE9	587	3.46	0.83	1.00	5.00
R9CIQSCORE9	575	3.56	0.93	1.00	5.00
R10CIQSCORE9	813	3.63	0.95	1.00	5.00
R11CIQSCORE9	670	3.64	0.97	1.00	5.00
R12CIQSCORE9	663	3.63	0.98	1.00	5.00
R13CIQSCORE9	589	3.74	0.98	1.00	5.00
R14CIQSCORE9	437	3.72	0.97	1.00	5.00
R15CIQSCORE9	505	3.75	0.94	1.00	5.00
S3CIQSCORE9	1100	3.24	0.74	1.00	5.00
S4CIQSCORE9	706	3.40	0.80	1.00	5.00
S5CIQSCORE9	740	3.39	0.78	1.00	5.00
S6CIQSCORE9	754	3.36	0.80	1.00	5.00
S7CIQSCORE9	533	3.24	0.73	1.00	5.00
S8CIQSCORE9	376	3.29	0.71	1.00	5.00
S9CIQSCORE9	345	3.33	0.80	1.00	5.00
S10CIQSCORE9	432	3.36	0.86	1.00	5.00
S11CIQSCORE9	339	3.35	0.86	1.00	5.00
S12CIQSCORE9	321	3.37	0.88	1.00	5.00
S13CIQSCORE9	285	3.49	0.90	1.00	5.00
S14CIQSCORE9	219	3.42	0.88	1.00	5.00
S15CIQSCORE9	267	3.52	0.89	1.00	5.00
R3CIQSCORE10	1621	3.40	0.85	1.00	5.00
R4CIQSCORE10	1281	3.58	0.91	1.00	5.00
R5CIQSCORE10	1335	3.59	0.88	1.00	5.00
R6CIQSCORE10	1358	3.59	0.88	1.00	5.00
R7CIQSCORE10	1013	3.44	0.88	1.00	5.00
R8CIQSCORE10	770	3.56	0.90	1.00	5.00
R9CIQSCORE10	768	3.63	0.94	1.00	5.00
R10CIQSCORE10	946	3.62	0.96	1.00	5.00
R11CIQSCORE10	786	3.65	0.96	1.00	5.00
R12CIQSCORE10	741	3.63	0.99	1.00	5.00
R13CIQSCORE10	658	3.71	1.00	1.00	5.00
R14CIQSCORE10	479	3.72	0.94	1.00	5.00
R15CIQSCORE10	552	3.71	0.93	1.00	5.00
S3CIQSCORE10	1103	3.23	0.74	1.00	5.00
S4CIQSCORE10	714	3.37	0.80	1.00	5.00
S5CIQSCORE10	745	3.38	0.76	1.00	5.00
S6CIQSCORE10	758	3.35	0.75	1.00	5.00

S7CIQSCORE10	598	3.22	0.73	1.00	5.00
S8CIQSCORE10	437	3.33	0.77	1.00	5.00
S9CIQSCORE10	398	3.36	0.81	1.00	5.00
S10CIQSCORE10	479	3.38	0.88	1.00	5.00
S11CIQSCORE10	378	3.42	0.86	1.00	5.00
S12CIQSCORE10	342	3.42	0.91	1.00	5.00
S13CIQSCORE10	307	3.49	0.93	1.00	5.00
S14CIQSCORE10	236	3.46	0.84	1.00	5.00
S15CIQSCORE10	283	3.53	0.88	1.00	5.00
R3CIQSCORE11	1623	3.34	0.80	1.00	5.00
R4CIQSCORE11	1285	3.47	0.87	1.00	5.00
R5CIQSCORE11	1337	3.49	0.85	1.00	5.00
R6CIQSCORE11	1363	3.47	0.83	1.00	5.00
R7CIQSCORE11	1095	3.40	0.84	1.00	5.00
R8CIQSCORE11	850	3.48	0.84	1.00	5.00
R9CIQSCORE11	820	3.48	0.87	1.00	5.00
R10CIQSCORE11	982	3.52	0.92	1.00	5.00
R11CIQSCORE11	813	3.60	0.95	1.00	5.00
R12CIQSCORE11	753	3.55	0.93	1.00	5.00
R13CIQSCORE11	674	3.59	0.95	1.00	5.00
R14CIQSCORE11	486	3.61	0.91	1.00	5.00
R15CIQSCORE11	559	3.56	0.92	1.00	5.00
S3CIQSCORE11	1106	3.20	0.68	1.00	5.00
S4CIQSCORE11	716	3.27	0.73	1.00	5.00
S5CIQSCORE11	746	3.30	0.71	1.00	5.00
S6CIQSCORE11	763	3.27	0.69	1.00	5.00
S7CIQSCORE11	621	3.20	0.70	1.00	5.00
S8CIQSCORE11	459	3.30	0.71	1.00	5.00
S9CIQSCORE11	421	3.26	0.73	1.00	5.00
S10CIQSCORE11	487	3.30	0.81	1.00	5.00
S11CIQSCORE11	388	3.35	0.82	1.00	5.00
S12CIQSCORE11	353	3.39	0.87	1.00	5.00
S13CIQSCORE11	309	3.37	0.87	1.00	5.00
S14CIQSCORE11	240	3.35	0.82	1.00	5.00
S15CIQSCORE11	284	3.42	0.81	1.00	5.00
R3CIQSCORE12	1630	3.42	0.84	1.00	5.00
R4CIQSCORE12	1287	3.56	0.90	1.00	5.00
R5CIQSCORE12	1347	3.58	0.88	1.00	5.00
R6CIQSCORE12	1365	3.55	0.87	1.00	5.00
R7CIQSCORE12	1026	3.43	0.85	1.00	5.00
R8CIQSCORE12	777	3.52	0.85	1.00	5.00
R9CIQSCORE12	734	3.57	0.93	1.00	5.00
R10CIQSCORE12	953	3.60	0.93	1.00	5.00
R11CIQSCORE12	799	3.65	0.95	1.00	5.00
R12CIQSCORE12	738	3.62	0.97	1.00	5.00
R13CIQSCORE12	664	3.66	0.93	1.00	5.00
R14CIQSCORE12	477	3.69	0.92	1.00	5.00
R15CIQSCORE12	554	3.66	0.93	1.00	5.00
S3CIQSCORE12	1109	3.24	0.72	1.00	5.00
S4CIQSCORE12	712	3.35	0.79	1.00	5.00
S5CIQSCORE12	751	3.34	0.75	1.00	5.00
S6CIQSCORE12	764	3.31	0.73	1.00	5.00
S7CIQSCORE12	597	3.21	0.70	1.00	5.00
S8CIQSCORE12	444	3.30	0.70	1.00	5.00
S9CIQSCORE12	400	3.30	0.81	1.00	5.00
S10CIQSCORE12	480	3.40	0.86	1.00	5.00
S11CIQSCORE12	378	3.41	0.85	1.00	5.00
S12CIQSCORE12	343	3.38	0.86	1.00	5.00
S13CIQSCORE12	306	3.40	0.85	1.00	5.00

S14CIQSCORE12	234	3.44	0.83	1.00	5.00
S15CIQSCORE12	283	3.48	0.85	1.00	5.00
R3CIQSCORE13	1610	3.40	0.86	1.00	5.00
R4CIQSCORE13	1251	3.53	0.91	1.00	5.00
R5CIQSCORE13	1303	3.59	0.89	1.00	5.00
R6CIQSCORE13	1342	3.54	0.88	1.00	5.00
R7CIQSCORE13	782	3.32	0.79	1.00	5.00
R8CIQSCORE13	555	3.41	0.80	1.00	5.00
R9CIQSCORE13	521	3.37	0.87	1.00	5.00
R10CIQSCORE13	758	3.49	0.91	1.00	5.00
R11CIQSCORE13	636	3.58	0.95	1.00	5.00
R12CIQSCORE13	625	3.56	0.93	1.00	5.00
R13CIQSCORE13	522	3.58	0.93	1.00	5.00
R14CIQSCORE13	400	3.61	0.92	1.00	5.00
R15CIQSCORE13	460	3.55	0.95	1.00	5.00
S3CIQSCORE13	1099	3.22	0.75	1.00	5.00
S4CIQSCORE13	699	3.31	0.76	1.00	5.00
S5CIQSCORE13	740	3.36	0.76	1.00	5.00
S6CIQSCORE13	753	3.28	0.71	1.00	5.00
S7CIQSCORE13	487	3.12	0.60	1.00	5.00
S8CIQSCORE13	357	3.23	0.66	1.00	5.00
S9CIQSCORE13	320	3.18	0.74	1.00	5.00
S10CIQSCORE13	408	3.25	0.81	1.00	5.00
S11CIQSCORE13	326	3.34	0.79	1.00	5.00
S12CIQSCORE13	305	3.37	0.83	1.00	5.00
S13CIQSCORE13	264	3.31	0.78	1.00	5.00
S14CIQSCORE13	202	3.37	0.79	1.00	5.00
S15CIQSCORE13	249	3.34	0.83	1.00	5.00
R3CIQSCORE14	1607	3.42	0.88	1.00	5.00
R4CIQSCORE14	1258	3.58	0.91	1.00	5.00
R5CIQSCORE14	1295	3.65	0.91	1.00	5.00
R6CIQSCORE14	1341	3.57	0.89	1.00	5.00
R7CIQSCORE14	711	3.32	0.80	1.00	5.00
R8CIQSCORE14	495	3.39	0.80	1.00	5.00
R9CIQSCORE14	474	3.39	0.89	1.00	5.00
R10CIQSCORE14	666	3.51	0.92	1.00	5.00
R11CIQSCORE14	594	3.64	0.96	1.00	5.00
R12CIQSCORE14	576	3.54	0.94	1.00	5.00
R13CIQSCORE14	471	3.62	0.96	1.00	5.00
R14CIQSCORE14	378	3.68	0.96	1.00	5.00
R15CIQSCORE14	425	3.62	0.93	1.00	5.00
S3CIQSCORE14	1098	3.22	0.76	1.00	5.00
S4CIQSCORE14	704	3.35	0.77	1.00	5.00
S5CIQSCORE14	732	3.41	0.79	1.00	5.00
S6CIQSCORE14	752	3.30	0.73	1.00	5.00
S7CIQSCORE14	456	3.10	0.61	1.00	5.00
S8CIQSCORE14	324	3.19	0.62	1.00	5.00
S9CIQSCORE14	299	3.21	0.76	1.00	5.00
S10CIQSCORE14	373	3.30	0.83	1.00	5.00
S11CIQSCORE14	311	3.38	0.83	1.00	5.00
S12CIQSCORE14	292	3.37	0.85	1.00	5.00
S13CIQSCORE14	235	3.34	0.84	1.00	5.00
S14CIQSCORE14	197	3.38	0.83	1.00	5.00
S15CIQSCORE14	233	3.42	0.86	1.00	5.00
R3CIQSCORE15	1622	3.39	0.82	1.00	5.00
R4CIQSCORE15	1282	3.55	0.90	1.00	5.00
R5CIQSCORE15	1336	3.58	0.89	1.00	5.00
R6CIQSCORE15	1357	3.54	0.87	1.00	5.00

R7CIQSCORE15	868	3.35	0.79	1.00	5.00
R8CIQSCORE15	644	3.44	0.82	1.00	5.00
R9CIQSCORE15	609	3.48	0.88	1.00	5.00
R10CIQSCORE15	829	3.53	0.91	1.00	5.00
R11CIQSCORE15	705	3.62	0.94	1.00	5.00
R12CIQSCORE15	681	3.60	0.94	1.00	5.00
R13CIQSCORE15	596	3.64	0.96	1.00	5.00
R14CIQSCORE15	437	3.66	0.92	1.00	5.00
R15CIQSCORE15	499	3.65	0.91	1.00	5.00
S3CIQSCORE15	1105	3.22	0.70	1.00	5.00
S4CIQSCORE15	712	3.31	0.74	1.00	5.00
S5CIQSCORE15	746	3.35	0.74	1.00	5.00
S6CIQSCORE15	759	3.31	0.72	1.00	5.00
S7CIQSCORE15	521	3.12	0.60	1.00	5.00
S8CIQSCORE15	389	3.23	0.64	1.00	5.00
S9CIQSCORE15	353	3.27	0.74	1.00	5.00
S10CIQSCORE15	436	3.32	0.80	1.00	5.00
S11CIQSCORE15	345	3.35	0.81	1.00	5.00
S12CIQSCORE15	323	3.41	0.82	1.00	5.00
S13CIQSCORE15	283	3.38	0.89	1.00	5.00
S14CIQSCORE15	214	3.39	0.77	1.00	5.00
S15CIQSCORE15	263	3.42	0.82	1.00	5.00
R3CIQSCORE16	1631	3.36	0.81	1.00	5.00
R4CIQSCORE16	1292	3.50	0.87	1.00	5.00
R5CIQSCORE16	1351	3.52	0.85	1.00	5.00
R6CIQSCORE16	1371	3.51	0.85	1.00	5.00
R7CIQSCORE16	1120	3.44	0.84	1.00	5.00
R8CIQSCORE16	854	3.52	0.85	1.00	5.00
R9CIQSCORE16	839	3.58	0.90	1.00	5.00
R10CIQSCORE16	1003	3.55	0.92	1.00	5.00
R11CIQSCORE16	837	3.65	0.91	1.00	5.00
R12CIQSCORE16	774	3.61	0.93	1.00	5.00
R13CIQSCORE16	684	3.65	0.94	1.00	5.00
R14CIQSCORE16	498	3.66	0.91	1.00	5.00
R15CIQSCORE16	564	3.63	0.90	1.00	5.00
S3CIQSCORE16	1108	3.21	0.71	1.00	5.00
S4CIQSCORE16	716	3.32	0.74	1.00	5.00
S5CIQSCORE16	749	3.32	0.71	1.00	5.00
S6CIQSCORE16	765	3.28	0.72	1.00	5.00
S7CIQSCORE16	628	3.23	0.72	1.00	5.00
S8CIQSCORE16	463	3.29	0.69	1.00	5.00
S9CIQSCORE16	419	3.33	0.78	1.00	5.00
S10CIQSCORE16	496	3.29	0.81	1.00	5.00
S11CIQSCORE16	395	3.41	0.81	1.00	5.00
S12CIQSCORE16	357	3.43	0.86	1.00	5.00
S13CIQSCORE16	312	3.38	0.86	1.00	5.00
S14CIQSCORE16	244	3.44	0.86	1.00	5.00
S15CIQSCORE16	289	3.43	0.81	1.00	5.00
R3CJORMSCORE	2680	3.32	0.67	1.00	5.00
R4CJORMSCORE	1940	3.48	0.72	1.19	5.00
R5CJORMSCORE	2042	3.49	0.71	1.56	5.00
R6CJORMSCORE	2062	3.47	0.72	1.00	5.00
R7CJORMSCORE	1802	3.46	0.74	1.00	5.00
R8CJORMSCORE	1387	3.53	0.74	1.64	5.00
R9CJORMSCORE	1304	3.55	0.78	1.13	5.00
R10CJORMSCORE	1513	3.55	0.79	1.00	5.00
R11CJORMSCORE	1251	3.61	0.80	1.14	5.00
R12CJORMSCORE	1142	3.61	0.81	1.00	5.00
R13CJORMSCORE	1024	3.64	0.82	1.00	5.00

R14CJORMSCORE	747	3.61	0.76	1.43	5.00
R15CJORMSCORE	856	3.61	0.76	1.27	5.00
S3CJORMSCORE	2154	3.22	0.59	1.00	5.00
S4CJORMSCORE	1362	3.34	0.63	1.19	5.00
S5CJORMSCORE	1438	3.34	0.61	1.56	5.00
S6CJORMSCORE	1452	3.32	0.62	1.00	5.00
S7CJORMSCORE	1254	3.29	0.64	1.00	5.00
S8CJORMSCORE	944	3.38	0.65	1.64	5.00
S9CJORMSCORE	844	3.36	0.68	1.75	5.00
S10CJORMSCORE	972	3.38	0.73	1.00	5.00
S11CJORMSCORE	780	3.43	0.73	1.14	5.00
S12CJORMSCORE	702	3.47	0.75	1.47	5.00
S13CJORMSCORE	630	3.46	0.78	1.13	5.00
S14CJORMSCORE	486	3.44	0.69	1.43	5.00
S15CJORMSCORE	568	3.48	0.71	1.82	5.00

### Categorical Variable Codes

Value-----	R3CIQSCORE1	R4CIQSCORE1	R5CIQSCORE1
.a:age lt 65		746	699
.d:DK	3	2	1
.m:Missing	1	2	6
.p:non-proxy interview	16351	19338	17516
.r:Refuse	1		1
1.Much improved	17	12	9
2.A bit improved	24	13	6
3.Not much change	1200	831	869
4.A bit worse	146	179	198
5.Much worse	248	261	273

Value-----	R6CIQSCORE1	R7CIQSCORE1	R8CIQSCORE1	R9CIQSCORE1	R10CIQSCORE1
.a:age lt 65	590	574	304	229	324
.d:DK	5	8	2	2	2
.m:Missing	63	4	3	2	
.n:does not apply		39	36	23	15
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	2				1
1.Much improved	6	11	3	9	6
2.A bit improved	9	8	9	3	9
3.Not much change	888	755	551	525	625
4.A bit worse	182	149	120	139	140
5.Much worse	291	254	232	208	260

Value-----	R11CIQSCORE1	R12CIQSCORE1	R13CIQSCORE1	R14CIQSCORE1	R15CIQSCORE1
.a:age lt 65	257	238	216	149	139
.d:DK	3	3	2	1	2
.m:Missing			4	1	
.n:does not apply	8	5	2	2	3
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse					1
1.Much improved	4	8	8	2	4
2.A bit improved	6	3	8	3	7
3.Not much change	477	467	377	288	311
4.A bit worse	138	120	111	103	96
5.Much worse	253	205	213	114	158

Value-----	S3CIQSCORE1	S4CIQSCORE1	S5CIQSCORE1
.a:age lt 65		688	652
.d:DK	1	1	1
.m:Missing	1	1	6
.p:non-proxy interview	10805	12570	11320
.u:not coupled	5659	6870	6537
.v:SP NR	416	536	311
1.Much improved	13	4	6
2.A bit improved	12	8	1
3.Not much change	902	535	566
4.A bit worse	72	69	88
5.Much worse	110	102	90

Value-----	S6CIQSCORE1	S7CIQSCORE1	S8CIQSCORE1	S9CIQSCORE1	S10CIQSCORE1
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.a:age lt 65	539	539	293	212	303
.d:DK		2		1	2
.m:Missing	51	4	2	2	
.n:does not apply		18	13	10	5
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	2				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	4	7	2	5	3
2.A bit improved	4	5	5	1	6
3.Not much change	589	490	347	311	364
4.A bit worse	76	63	56	52	51
5.Much worse	94	75	74	63	82

Value-----	S11CIQSCORE1	S12CIQSCORE1	S13CIQSCORE1	S14CIQSCORE1	S15CIQSCORE1
.a:age lt 65	233	218	198	131	125
.d:DK	2	3		1	
.m:Missing			1	1	
.n:does not apply	5	1			1
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse					1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	2	2	4	2	1
2.A bit improved	3	1	5	2	4
3.Not much change	283	246	210	165	183
4.A bit worse	43	50	46	48	39
5.Much worse	78	68	62	34	65

Value-----		R3CIQSCORE2	R4CIQSCORE2	R5CIQSCORE2
.a:age lt 65			746	699
.d:DK		5	4	3
.m:Missing		1	2	6
.p:non-proxy interview		16351	19338	17516
.r:Refuse		1		1
1.Much improved		19	14	7
2.A bit improved		18	16	11
3.Not much change		1139	761	809
4.A bit worse		189	197	218
5.Much worse		268	306	308

Value-----	R6CIQSCORE2	R7CIQSCORE2	R8CIQSCORE2	R9CIQSCORE2	R10CIQSCORE2
.a:age lt 65	590	574	304	229	324
.d:DK	6	6	2	3	2
.m:Missing	63	4	3	2	
.n:does not apply		35	26	19	14
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	2				1
1.Much improved	5	12	4	7	11
2.A bit improved	23	15	9	13	14
3.Not much change	844	705	515	491	568
4.A bit worse	196	169	149	150	168
5.Much worse	307	282	248	226	280

Value-----	R11CIQSCORE2	R12CIQSCORE2	R13CIQSCORE2	R14CIQSCORE2	R15CIQSCORE2
.a:age lt 65	257	238	216	149	139
.d:DK	5	1	1	2	2
.m:Missing			4	1	
.n:does not apply	14	5	3	2	2
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse			1		1
1.Much improved	9	5	8	3	4
2.A bit improved	10	10	6	6	9
3.Not much change	446	423	352	262	287
4.A bit worse	141	129	116	96	108
5.Much worse	264	238	234	142	169

Value-----		S3CIQSCORE2	S4CIQSCORE2	S5CIQSCORE2
.a:age lt 65			688	652
.d:DK		3	1	2
.m:Missing		1	1	6
.p:non-proxy interview		10805	12570	11320
.u:not coupled		5659	6870	6537
.v:SP NR		416	536	311
1.Much improved		15	8	6
2.A bit improved		14	8	5

3.Not much change			889	503	534
4.A bit worse			79	88	113
5.Much worse			110	111	92

Value-----	S6CIQSCORE2	S7CIQSCORE2	S8CIQSCORE2	S9CIQSCORE2	S10CIQSCORE2
.a:age lt 65	539	539	293	212	303
.d:DK	1	1	1	1	
.m:Missing	51	4	2	2	
.n:does not apply		13	9	8	3
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	2				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	4	10	2	4	7
2.A bit improved	16	9	2	7	8
3.Not much change	567	471	340	306	346
4.A bit worse	86	72	63	59	66
5.Much worse	93	84	80	58	83

Value-----	S11CIQSCORE2	S12CIQSCORE2	S13CIQSCORE2	S14CIQSCORE2	S15CIQSCORE2
.a:age lt 65	233	218	198	131	125
.d:DK	1			1	
.m:Missing			1	1	
.n:does not apply	6	1		1	1
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	5	1	5	3	1
2.A bit improved	6	4	3	3	5
3.Not much change	269	238	207	161	177
4.A bit worse	50	51	44	45	53
5.Much worse	79	76	67	38	56

Value-----		R3CIQSCORE3	R4CIQSCORE3	R5CIQSCORE3
.a:age lt 65			746	699
.d:DK		4	7	4
.m:Missing		1	2	6
.p:non-proxy interview		16351	19338	17516
.r:Refuse		1		1
1.Much improved		16	15	2
2.A bit improved		22	11	17
3.Not much change		1117	751	785
4.A bit worse		202	199	230
5.Much worse		277	315	318

Value-----	R6CIQSCORE3	R7CIQSCORE3	R8CIQSCORE3	R9CIQSCORE3	R10CIQSCORE3
.a:age lt 65	590	574	304	229	324
.d:DK	10	6	2	4	4
.m:Missing	63	4	3	2	
.n:does not apply		40	34	24	20
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	2				1
1.Much improved	10	10	6	6	12
2.A bit improved	9	6	9	14	14
3.Not much change	817	707	518	467	532
4.A bit worse	210	178	135	145	181
5.Much worse	325	277	249	249	294

Value-----	R11CIQSCORE3	R12CIQSCORE3	R13CIQSCORE3	R14CIQSCORE3	R15CIQSCORE3
.a:age lt 65	257	238	216	149	139
.d:DK	4	2	1	2	5
.m:Missing			4	1	
.n:does not apply	22	10	10	6	5
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse			1		1
1.Much improved	6	6	6	4	3
2.A bit improved	10	9	4	4	5
3.Not much change	433	403	353	242	289
4.A bit worse	143	119	124	103	100
5.Much worse	271	262	222	152	174

Value-----		S3CIQSCORE3	S4CIQSCORE3	S5CIQSCORE3
.a:age lt 65			688	652
.d:DK		1	2	2
.m:Missing		1	1	6



.p:non-proxy interview			10805	12570	11320
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
1.Much improved			13	8	2
2.A bit improved			17	6	10
3.Not much change			857	498	533
4.A bit worse			106	91	102
5.Much worse			116	114	103
Value-----	S6CIQSCORE3	S7CIQSCORE3	S8CIQSCORE3	S9CIQSCORE3	S10CIQSCORE3
.a:age lt 65	539	539	293	212	303
.d:DK	2	2		2	1
.m:Missing	51	4	2	2	
.n:does not apply		14	14	9	8
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	2				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	6	8	2	2	5
2.A bit improved	7	5	3	8	11
3.Not much change	552	476	341	300	318
4.A bit worse	104	73	55	58	77
5.Much worse	96	82	82	64	93
Value-----	S11CIQSCORE3	S12CIQSCORE3	S13CIQSCORE3	S14CIQSCORE3	S15CIQSCORE3
.a:age lt 65	233	218	198	131	125
.d:DK	3			2	
.m:Missing			1	1	
.n:does not apply	8	3	5	1	3
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	3	2	4	4	
2.A bit improved	7	4	3	1	4
3.Not much change	253	233	210	146	178
4.A bit worse	58	49	38	53	45
5.Much worse	84	80	66	45	63
Value-----			R3CIQSCORE4	R4CIQSCORE4	R5CIQSCORE4
.a:age lt 65				746	699
.d:DK			9	9	13
.m:Missing			1	2	6
.p:non-proxy interview			16351	19338	17516
.r:Refuse			1	1	1
1.Much improved			13	9	8
2.A bit improved			15	10	8
3.Not much change			1284	899	958
4.A bit worse			92	91	94
5.Much worse			225	279	275
Value-----	R6CIQSCORE4	R7CIQSCORE4	R8CIQSCORE4	R9CIQSCORE4	R10CIQSCORE4
.a:age lt 65	590	574	304	229	324
.d:DK	20	8	8	7	7
.m:Missing	63	4	3	2	
.n:does not apply		80	74	65	52
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	2				1
1.Much improved	9	14	4	10	15
2.A bit improved	6	11	3	11	9
3.Not much change	957	810	614	538	670
4.A bit worse	110	82	71	84	74
5.Much worse	279	219	179	194	230
Value-----	R11CIQSCORE4	R12CIQSCORE4	R13CIQSCORE4	R14CIQSCORE4	R15CIQSCORE4
.a:age lt 65	257	238	216	149	139
.d:DK	3	7	3	2	7
.m:Missing			4	1	
.n:does not apply	42	35	31	20	13
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse			1		
1.Much improved	9	5	7	2	3
2.A bit improved	8	7	4	1	5
3.Not much change	528	501	425	321	364
4.A bit worse	84	53	58	44	65
5.Much worse	215	203	192	123	125

Value-----			S3CIQSCORE4	S4CIQSCORE4	S5CIQSCORE4
.a:age lt 65				688	652
.d:DK			3	3	4
.m:Missing			1	1	6
.p:non-proxy interview			10805	12570	11320
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
1.Much improved			12	6	7
2.A bit improved			11	7	5
3.Not much change			952	570	615
4.A bit worse			40	39	42
5.Much worse			92	94	79
Value-----	S6CIQSCORE4	S7CIQSCORE4	S8CIQSCORE4	S9CIQSCORE4	S10CIQSCORE4
.a:age lt 65	539	539	293	212	303
.d:DK	2	3	3	3	4
.m:Missing	51	4	2	2	
.n:does not apply		25	25	15	15
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	2				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	7	12	1	5	12
2.A bit improved	3	10	1	7	8
3.Not much change	639	526	387	335	376
4.A bit worse	35	29	30	33	30
5.Much worse	81	55	50	45	68
Value-----	S11CIQSCORE4	S12CIQSCORE4	S13CIQSCORE4	S14CIQSCORE4	S15CIQSCORE4
.a:age lt 65	233	218	198	131	125
.d:DK	2	2	1	1	3
.m:Missing			1	1	
.n:does not apply	14	8	8	9	5
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	5	4	5	2	2
2.A bit improved	5	4	2	1	4
3.Not much change	304	272	231	188	220
4.A bit worse	27	16	22	18	20
5.Much worse	59	65	57	33	40
Value-----			R3CIQSCORE5	R4CIQSCORE5	R5CIQSCORE5
.a:age lt 65				746	699
.d:DK			4	4	4
.m:Missing			1	2	6
.p:non-proxy interview			16351	19338	17516
.r:Refuse			1	1	1
1.Much improved			14	11	3
2.A bit improved			6	8	4
3.Not much change			1203	808	875
4.A bit worse			126	163	158
5.Much worse			285	303	312
Value-----	R6CIQSCORE5	R7CIQSCORE5	R8CIQSCORE5	R9CIQSCORE5	R10CIQSCORE5
.a:age lt 65	590	574	304	229	324
.d:DK	11	7	1	3	3
.m:Missing	63	4	3	2	
.n:does not apply		65	54	40	37
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	2				1
1.Much improved	6	8	5	6	13
2.A bit improved	4	8	3	8	9
3.Not much change	919	741	563	498	581
4.A bit worse	136	145	116	121	137
5.Much worse	305	250	211	233	277
Value-----	R11CIQSCORE5	R12CIQSCORE5	R13CIQSCORE5	R14CIQSCORE5	R15CIQSCORE5
.a:age lt 65	257	238	216	149	139
.d:DK	5	1	2	4	4
.m:Missing			4	1	
.n:does not apply	33	24	21	11	9
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse	1		1		

1.Much improved	8	8	5	3	3
2.A bit improved	6	5	4	2	5
3.Not much change	478	443	391	280	312
4.A bit worse	115	97	91	75	104
5.Much worse	243	233	206	138	145
Value-----			S3CIQSCORE5	S4CIQSCORE5	S5CIQSCORE5
.a:age lt 65				688	652
.d:DK			2	1	2
.m:Missing			1	1	6
.p:non-proxy interview			10805	112570	11320
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
1.Much improved			12	6	2
2.A bit improved			4	4	2
3.Not much change			919	533	581
4.A bit worse			60	74	75
5.Much worse			113	101	90
Value-----	S6CIQSCORE5	S7CIQSCORE5	S8CIQSCORE5	S9CIQSCORE5	S10CIQSCORE5
.a:age lt 65	539	539	293	212	303
.d:DK	1	2		1	1
.m:Missing	51	4	2	2	
.n:does not apply		24	16	16	12
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	2				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	3	6	3	3	10
2.A bit improved	3	5	2	6	6
3.Not much change	622	498	368	318	340
4.A bit worse	49	55	46	36	51
5.Much worse	89	70	62	63	93
Value-----	S11CIQSCORE5	S12CIQSCORE5	S13CIQSCORE5	S14CIQSCORE5	S15CIQSCORE5
.a:age lt 65	233	218	198	131	125
.d:DK	2		1	4	1
.m:Missing			1	1	
.n:does not apply	12	11	5	4	3
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	4	4	4	3	2
2.A bit improved	5	2	4	2	3
3.Not much change	278	248	215	173	189
4.A bit worse	39	30	37	24	39
5.Much worse	76	76	60	42	57
Value-----			R3CIQSCORE6	R4CIQSCORE6	R5CIQSCORE6
.a:age lt 65				746	699
.d:DK			2	9	7
.m:Missing			1	2	6
.n:does not apply			1		
.p:non-proxy interview			16351	19338	17516
.r:Refuse			1		1
1.Much improved			15	14	5
2.A bit improved			8	10	10
3.Not much change			1202	845	886
4.A bit worse			154	151	178
5.Much worse			256	269	270
Value-----	R6CIQSCORE6	R7CIQSCORE6	R8CIQSCORE6	R9CIQSCORE6	R10CIQSCORE6
.a:age lt 65	590	574	304	229	324
.d:DK	10	7	4	5	1
.m:Missing	63	4	3	2	
.n:does not apply		74	59	45	41
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	2				1
1.Much improved	7	9	4	7	18
2.A bit improved	9	10	12	5	7
3.Not much change	901	766	568	544	615
4.A bit worse	185	143	107	107	141
5.Much worse	269	215	199	196	234
Value-----	R11CIQSCORE6	R12CIQSCORE6	R13CIQSCORE6	R14CIQSCORE6	R15CIQSCORE6

.a:age lt 65	257	238	216	149	139
.d:DK	7	5	1	2	3
.m:Missing			4	1	
.n:does not apply	33	24	20	10	7
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse	1		2		
1.Much improved	10	12	3	1	3
2.A bit improved	5	6	4	3	8
3.Not much change	504	463	415	287	319
4.A bit worse	116	101	91	73	105
5.Much worse	213	200	185	137	137

Value-----		S3CIQSCORE6	S4CIQSCORE6	S5CIQSCORE6	
.a:age lt 65			688	652	
.d:DK			4	2	
.m:Missing			1	6	
.n:does not apply			1		
.p:non-proxy interview		10805	12570	11320	
.u:not coupled		5659	6870	6537	
.v:SP NR		416	536	311	
1.Much improved		12	9	2	
2.A bit improved		5	4	3	
3.Not much change		900	522	570	
4.A bit worse		85	80	88	
5.Much worse		107	100	87	

Value-----	S6CIQSCORE6	S7CIQSCORE6	S8CIQSCORE6	S9CIQSCORE6	S10CIQSCORE6
.a:age lt 65	539	539	293	212	303
.d:DK	1	3	2	2	1
.m:Missing	51	4	2	2	
.n:does not apply		27	17	12	12
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	2				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	5	7	1	2	12
2.A bit improved	5	7	6	1	7
3.Not much change	580	475	353	320	342
4.A bit worse	87	73	53	49	56
5.Much worse	89	68	65	57	83

Value-----	S11CIQSCORE6	S12CIQSCORE6	S13CIQSCORE6	S14CIQSCORE6	S15CIQSCORE6
.a:age lt 65	233	218	198	131	125
.d:DK	1	1		1	1
.m:Missing			1	1	
.n:does not apply	17	7	7	4	2
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	5	5	2		
2.A bit improved	2	1	3	1	4
3.Not much change	276	246	221	164	189
4.A bit worse	43	42	32	42	49
5.Much worse	72	69	61	40	49

Value-----		R3CIQSCORE7	R4CIQSCORE7	R5CIQSCORE7	
.a:age lt 65			746	699	
.d:DK		12	20	13	
.m:Missing		1	2	6	
.n:does not apply		1			
.p:non-proxy interview		16351	19338	17516	
.r:Refuse		1	1	1	
1.Much improved		13	12	3	
2.A bit improved		8	4	6	
3.Not much change		1104	721	750	
4.A bit worse		197	202	252	
5.Much worse		303	338	332	

Value-----	R6CIQSCORE7	R7CIQSCORE7	R8CIQSCORE7	R9CIQSCORE7	R10CIQSCORE7
.a:age lt 65	590	574	304	229	324
.d:DK	19	12	7	7	9
.m:Missing	63	4	3	2	
.n:does not apply		115	89	82	59
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	2				3

1.Much improved	4	6	2	5	13
2.A bit improved	6	5	8	4	6
3.Not much change	792	661	481	435	530
4.A bit worse	225	174	142	145	160
5.Much worse	335	251	224	231	278

Value-----	R11CIQSCORE7	R12CIQSCORE7	R13CIQSCORE7	R14CIQSCORE7	R15CIQSCORE7
.a:age lt 65	257	238	216	149	139
.d:DK	9	5	5	3	8
.m:Missing			4	1	
.n:does not apply	59	36	29	18	11
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse	1		2		1
1.Much improved	9	8	5	2	2
2.A bit improved	8	4	6	2	3
3.Not much change	437	405	343	246	280
4.A bit worse	117	107	113	80	97
5.Much worse	249	246	218	162	180

Value-----		S3CIQSCORE7	S4CIQSCORE7	S5CIQSCORE7
.a:age lt 65			688	652
.d:DK		4	5	4
.m:Missing		1	1	6
.p:non-proxy interview		10805	12570	11320
.u:not coupled		5659	6870	6537
.v:SP NR		416	536	311
1.Much improved		10	7	2
2.A bit improved		7	1	3
3.Not much change		849	472	500
4.A bit worse		118	98	133
5.Much worse		122	136	110

Value-----	S6CIQSCORE7	S7CIQSCORE7	S8CIQSCORE7	S9CIQSCORE7	S10CIQSCORE7
.a:age lt 65	539	539	293	212	303
.d:DK	4	3	4	1	3
.m:Missing	51	4	2	2	
.n:does not apply		39	27	28	22
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	2				3
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	2	4	1	1	9
2.A bit improved	6	2	2	2	3
3.Not much change	526	445	306	276	303
4.A bit worse	118	91	80	68	74
5.Much worse	111	76	77	67	97

Value-----	S11CIQSCORE7	S12CIQSCORE7	S13CIQSCORE7	S14CIQSCORE7	S15CIQSCORE7
.a:age lt 65	233	218	198	131	125
.d:DK	2	1	2	2	3
.m:Missing			1	1	
.n:does not apply	27	14	11	6	3
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	6	2	3	1	1
2.A bit improved	2	3	4		2
3.Not much change	252	229	190	147	172
4.A bit worse	51	42	50	46	46
5.Much worse	76	80	66	50	66

Value-----		R3CIQSCORE8	R4CIQSCORE8	R5CIQSCORE8
.a:age lt 65			746	699
.d:DK		9	15	7
.m:Missing		1	2	6
.n:does not apply		16	27	31
.p:non-proxy interview		16351	19338	17516
.r:Refuse		3	1	1
1.Much improved		14	8	3
2.A bit improved		20	8	10
3.Not much change		1236	866	889
4.A bit worse		89	82	103
5.Much worse		252	291	313

Value-----	R6CIQSCORE8	R7CIQSCORE8	R8CIQSCORE8	R9CIQSCORE8	R10CIQSCORE8
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.a:age lt 65	590	574	304	229	324
.d:DK	32	5	1	1	2
.m:Missing	63	4	3	2	
.n:does not apply	8	303	294	263	209
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	3				2
1.Much improved	6	10	2	5	8
2.A bit improved	5	5	8	10	13
3.Not much change	928	702	493	439	546
4.A bit worse	109	49	40	48	76
5.Much worse	292	150	115	143	202

Value-----	R11CIQSCORE8	R12CIQSCORE8	R13CIQSCORE8	R14CIQSCORE8	R15CIQSCORE8
.a:age lt 65	257	238	216	149	139
.d:DK	4	1		3	3
.m:Missing			4	1	
.n:does not apply	156	132	111	59	62
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse	1		3		1
1.Much improved	7	5	6	1	6
2.A bit improved	8	7	6	1	8
3.Not much change	463	430	371	285	300
4.A bit worse	68	58	57	52	73
5.Much worse	182	178	167	112	129

Value-----		S3CIQSCORE8	S4CIQSCORE8	S5CIQSCORE8
.a:age lt 65			688	652
.d:DK		2	4	2
.m:Missing		1	1	6
.n:does not apply		4	7	8
.p:non-proxy interview		10805	12570	11320
.u:not coupled		5659	6870	6537
.v:SP NR		416	536	311
1.Much improved		14	6	1
2.A bit improved		15	4	7
3.Not much change		938	567	589
4.A bit worse		33	35	46
5.Much worse		104	96	99

Value-----	S6CIQSCORE8	S7CIQSCORE8	S8CIQSCORE8	S9CIQSCORE8	S10CIQSCORE8
.a:age lt 65	539	539	293	212	303
.d:DK	5	1	1	1	1
.m:Missing	51	4	2	2	
.n:does not apply	2	94	91	69	65
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	3				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	5	9	1	3	6
2.A bit improved	5	4	6	4	11
3.Not much change	606	484	335	299	337
4.A bit worse	41	18	14	20	25
5.Much worse	102	50	49	47	68

Value-----	S11CIQSCORE8	S12CIQSCORE8	S13CIQSCORE8	S14CIQSCORE8	S15CIQSCORE8
.a:age lt 65	233	218	198	131	125
.d:DK	1			3	2
.m:Missing			1	1	
.n:does not apply	52	37	35	21	19
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			2		1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	5	3	3	1	3
2.A bit improved	4	4	4	1	4
3.Not much change	279	251	208	172	194
4.A bit worse	19	22	22	20	27
5.Much worse	56	54	53	34	44

Value-----		R3CIQSCORE9	R4CIQSCORE9	R5CIQSCORE9
.a:age lt 65			746	699
.d:DK		11	25	23
.m:Missing		1	3	6
.n:does not apply		19	14	22
.p:non-proxy interview		16351	19338	17516
.r:Refuse		6	1	1

1.Much improved			20	7	5
2.A bit improved			23	12	7
3.Not much change			1133	781	801
4.A bit worse			121	106	139
5.Much worse			306	351	359
Value-----	R6CIQSCORE9	R7CIQSCORE9	R8CIQSCORE9	R9CIQSCORE9	R10CIQSCORE9
.a:age lt 65	590	574	304	229	324
.d:DK	40	7	4	4	4
.m:Missing	63	4	3	2	1
.n:does not apply	7	387	362	330	239
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	3				1
1.Much improved	13	9	5	10	11
2.A bit improved	12	13	6	6	13
3.Not much change	808	578	399	355	465
4.A bit worse	154	73	67	62	101
5.Much worse	346	157	110	142	223
Value-----	R11CIQSCORE9	R12CIQSCORE9	R13CIQSCORE9	R14CIQSCORE9	R15CIQSCORE9
.a:age lt 65	257	238	216	149	139
.d:DK	4	1		1	5
.m:Missing			4	1	
.n:does not apply	214	147	130	75	72
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse	1		2		
1.Much improved	10	10	6	6	4
2.A bit improved	12	10	8	4	5
3.Not much change	383	394	317	238	262
4.A bit worse	69	51	60	49	74
5.Much worse	196	198	198	140	160
Value-----			S3CIQSCORE9	S4CIQSCORE9	S5CIQSCORE9
.a:age lt 65				688	652
.d:DK			6	8	7
.m:Missing			1	2	6
.n:does not apply			4	4	5
.p:non-proxy interview			10805	12570	11320
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
1.Much improved			17	4	3
2.A bit improved			19	6	6
3.Not much change			878	523	548
4.A bit worse			55	52	64
5.Much worse			131	121	119
Value-----	S6CIQSCORE9	S7CIQSCORE9	S8CIQSCORE9	S9CIQSCORE9	S10CIQSCORE9
.a:age lt 65	539	539	293	212	303
.d:DK	9	2	3	3	3
.m:Missing	51	4	2	2	
.n:does not apply	3	125	118	95	79
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	3				
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	11	8	3	6	9
2.A bit improved	8	10	4	3	11
3.Not much change	549	418	295	257	299
4.A bit worse	73	38	30	28	43
5.Much worse	113	59	44	51	70
Value-----	S11CIQSCORE9	S12CIQSCORE9	S13CIQSCORE9	S14CIQSCORE9	S15CIQSCORE9
.a:age lt 65	233	218	198	131	125
.d:DK	3	1		1	2
.m:Missing			1	1	
.n:does not apply	74	49	40	32	25
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			2		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	8	6	4	5	3
2.A bit improved	6	7	4	3	3
3.Not much change	240	229	188	145	173
4.A bit worse	28	19	26	27	27
5.Much worse	57	60	63	39	61

Value-----	R3CIQSCORE10	R4CIQSCORE10	R5CIQSCORE10
.a:age lt 65		746	699
.d:DK	13	16	14
.m:Missing	1	2	6
.n:does not apply	1		7
.p:non-proxy interview	16351	19338	17516
.r:Refuse	4	1	1
1.Much improved	19	14	5
2.A bit improved	40	12	12
3.Not much change	1127	787	839
4.A bit worse	143	148	150
5.Much worse	292	320	329

Value-----	R6CIQSCORE10	R7CIQSCORE10	R8CIQSCORE10	R9CIQSCORE10	R10CIQSCORE10
.a:age lt 65	590	574	304	229	324
.d:DK	22	8	10	8	3
.m:Missing	63	4	3	2	
.n:does not apply		203	173	133	109
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	3				
1.Much improved	9	17	8	10	12
2.A bit improved	12	18	9	11	24
3.Not much change	837	677	482	443	541
4.A bit worse	175	107	86	95	104
5.Much worse	325	194	185	209	265

Value-----	R11CIQSCORE10	R12CIQSCORE10	R13CIQSCORE10	R14CIQSCORE10	R15CIQSCORE10
.a:age lt 65	257	238	216	149	139
.d:DK	4	1	3	1	4
.m:Missing			4	1	
.n:does not apply	98	69	57	33	25
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse	1		3		1
1.Much improved	11	12	12	4	4
2.A bit improved	17	25	9	6	12
3.Not much change	432	399	349	257	283
4.A bit worse	104	92	74	66	96
5.Much worse	222	213	214	146	157

Value-----	S3CIQSCORE10	S4CIQSCORE10	S5CIQSCORE10
.a:age lt 65		688	652
.d:DK	6	5	5
.m:Missing	1	1	6
.n:does not apply	1		2
.p:non-proxy interview	10805	12570	11320
.u:not coupled	5659	6870	6537
.v:SP NR	416	536	311
1.Much improved	15	9	3
2.A bit improved	33	8	8
3.Not much change	856	517	548
4.A bit worse	76	68	77
5.Much worse	123	112	109

Value-----	S6CIQSCORE10	S7CIQSCORE10	S8CIQSCORE10	S9CIQSCORE10	S10CIQSCORE10
.a:age lt 65	539	539	293	212	303
.d:DK	8	3	1	3	
.m:Missing	51	4	2	2	
.n:does not apply		59	59	42	35
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	3				
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	5	14	6	5	9
2.A bit improved	10	10	3	7	16
3.Not much change	561	464	330	290	328
4.A bit worse	79	52	37	32	38
5.Much worse	103	58	61	64	88

Value-----	S11CIQSCORE10	S12CIQSCORE10	S13CIQSCORE10	S14CIQSCORE10	S15CIQSCORE10
.a:age lt 65	233	218	198	131	125
.d:DK	2	1	1	1	2
.m:Missing			1	1	
.n:does not apply	36	28	18	15	8
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		1
.u:not coupled	7483	7125	8025	6684	6202



.v:SP NR	595	610	1109	1104	1055
1.Much improved	5	7	7	3	2
2.A bit improved	8	11	6	3	7
3.Not much change	258	223	192	155	175
4.A bit worse	38	34	34	33	37
5.Much worse	69	67	68	42	62

Value-----		R3CIQSCORE11	R4CIQSCORE11	R5CIQSCORE11
.a:age lt 65			746	699
.d:DK		11	8	10
.m:Missing		1	2	6
.n:does not apply		3	4	8
.p:non-proxy interview		16351	19338	17516
.r:Refuse		2	1	2
1.Much improved		19	14	8
2.A bit improved		22	22	14
3.Not much change		1218	858	913
4.A bit worse		110	129	122
5.Much worse		254	262	280

Value-----	R6CIQSCORE11	R7CIQSCORE11	R8CIQSCORE11	R9CIQSCORE11	R10CIQSCORE11
.a:age lt 65	590	574	304	229	324
.d:DK	16	17	12	10	8
.m:Missing	63	4	3	2	
.n:does not apply	2	112	91	79	67
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	2				1
1.Much improved	8	18	4	9	18
2.A bit improved	12	11	9	11	9
3.Not much change	946	777	585	546	632
4.A bit worse	130	96	81	87	91
5.Much worse	267	193	171	167	232

Value-----	R11CIQSCORE11	R12CIQSCORE11	R13CIQSCORE11	R14CIQSCORE11	R15CIQSCORE11
.a:age lt 65	257	238	216	149	139
.d:DK	14	11	7	4	9
.m:Missing			4	1	
.n:does not apply	62	47	37	23	14
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse			3		
1.Much improved	10	11	13	4	9
2.A bit improved	14	15	6	7	7
3.Not much change	490	459	403	289	337
4.A bit worse	75	87	77	60	75
5.Much worse	224	181	175	126	131

Value-----		S3CIQSCORE11	S4CIQSCORE11	S5CIQSCORE11
.a:age lt 65			688	652
.d:DK		2	3	3
.m:Missing		1	1	6
.n:does not apply		2		3
.p:non-proxy interview		10805	12570	11320
.u:not coupled		5659	6870	6537
.v:SP NR		416	536	311
1.Much improved		15	7	3
2.A bit improved		17	14	7
3.Not much change		909	555	592
4.A bit worse		60	57	51
5.Much worse		105	83	93

Value-----	S6CIQSCORE11	S7CIQSCORE11	S8CIQSCORE11	S9CIQSCORE11	S10CIQSCORE11
.a:age lt 65	539	539	293	212	303
.d:DK	3	4	4	4	4
.m:Missing	51	4	2	2	
.n:does not apply	1	35	34	18	23
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	2				
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	5	12	1	5	12
2.A bit improved	7	7	5	7	6
3.Not much change	613	502	367	330	362
4.A bit worse	55	42	27	31	39
5.Much worse	83	58	59	48	68

Value-----	S11CIQSCORE11	S12CIQSCORE11	S13CIQSCORE11	S14CIQSCORE11	S15CIQSCORE11
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.a:age lt 65	233	218	198	131	125
.d:DK	5	5	3	2	3
.m:Missing			1	1	
.n:does not apply	23	13	14	10	7
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	5	6	8	4	2
2.A bit improved	8	9	4	5	4
3.Not much change	284	242	215	168	200
4.A bit worse	27	33	29	28	30
5.Much worse	64	63	53	35	48

Value-----	R3CIQSCORE12	R4CIQSCORE12	R5CIQSCORE12		
.a:age lt 65		746	699		
.d:DK		3	8		3
.m:Missing		1	2		6
.n:does not apply		3	3		6
.p:non-proxy interview	16351	19338	17516		
.r:Refuse		3	1		
1.Much improved		17	14		6
2.A bit improved		21	12		11
3.Not much change		1161	807		864
4.A bit worse		128	143		133
5.Much worse		303	311		333

Value-----	R6CIQSCORE12	R7CIQSCORE12	R8CIQSCORE12	R9CIQSCORE12	R10CIQSCORE12
.a:age lt 65	590	574	304	229	324
.d:DK	15	4	1	2	
.m:Missing	63	4	3	2	
.n:does not apply	1	194	175	173	105
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse		2			
1.Much improved	6	15	4	12	13
2.A bit improved	11	7	6	7	12
3.Not much change	887	719	520	446	563
4.A bit worse	144	94	79	87	120
5.Much worse	317	191	168	182	245

Value-----	R11CIQSCORE12	R12CIQSCORE12	R13CIQSCORE12	R14CIQSCORE12	R15CIQSCORE12
.a:age lt 65	257	238	216	149	139
.d:DK	3	2		1	
.m:Missing			4	1	
.n:does not apply	87	71	55	35	28
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse			2		
1.Much improved	10	14	7	3	7
2.A bit improved	7	12	6	4	6
3.Not much change	469	421	380	270	306
4.A bit worse	79	84	85	63	83
5.Much worse	234	207	186	137	152

Value-----	S3CIQSCORE12	S4CIQSCORE12	S5CIQSCORE12		
.a:age lt 65		688	652		
.d:DK		1	4		1
.m:Missing		1	1		6
.n:does not apply			3		
.p:non-proxy interview	10805	12570	11320		
.u:not coupled	5659	6870	6537		
.v:SP NR	416	536	311		
1.Much improved	15	9	5		
2.A bit improved	13	8	6		
3.Not much change	895	528	576		
4.A bit worse	60	59	57		
5.Much worse	126	108	107		

Value-----	S6CIQSCORE12	S7CIQSCORE12	S8CIQSCORE12	S9CIQSCORE12	S10CIQSCORE12
.a:age lt 65	539	539	293	212	303
.d:DK	3	1	1	1	
.m:Missing	51	4	2	2	
.n:does not apply		62	52	42	34
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse		2			
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722

1.Much improved	4	12	2	10	10
2.A bit improved	8	3	4	4	5
3.Not much change	601	488	350	296	334
4.A bit worse	48	37	36	35	46
5.Much worse	103	57	52	55	85

Value-----	S11CIQSCORE12	S12CIQSCORE12	S13CIQSCORE12	S14CIQSCORE12	S15CIQSCORE12
.a:age lt 65	233	218	198	131	125
.d:DK	2			1	
.m:Missing			1	1	
.n:does not apply	36	28	20	17	11
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	6	6	5	2	2
2.A bit improved	2	6	4	2	4
3.Not much change	270	246	215	163	190
4.A bit worse	30	23	28	24	31
5.Much worse	70	62	54	43	56

Value-----			R3CIQSCORE13	R4CIQSCORE13	R5CIQSCORE13
.a:age lt 65				746	699
.d:DK			5	11	8
.m:Missing			1	2	6
.n:does not apply			20	35	44
.p:non-proxy interview			16351	19338	17516
.r:Refuse			4	1	2
1.Much improved			21	13	5
2.A bit improved			22	14	4
3.Not much change			1173	831	851
4.A bit worse			77	80	99
5.Much worse			317	313	344

Value-----	R6CIQSCORE13	R7CIQSCORE13	R8CIQSCORE13	R9CIQSCORE13	R10CIQSCORE13
.a:age lt 65	590	574	304	229	324
.d:DK	15	5		1	1
.m:Missing	63	4	3	2	
.n:does not apply	21	437	398	387	299
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	5				
1.Much improved	7	11	2	12	14
2.A bit improved	6	7	5	7	11
3.Not much change	904	603	414	374	492
4.A bit worse	100	45	33	34	74
5.Much worse	325	116	101	94	167

Value-----	R11CIQSCORE13	R12CIQSCORE13	R13CIQSCORE13	R14CIQSCORE13	R15CIQSCORE13
.a:age lt 65	257	238	216	149	139
.d:DK	1			1	3
.m:Missing			4	1	
.n:does not apply	251	186	198	112	118
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse	1		1		1
1.Much improved	9	8	6	3	7
2.A bit improved	6	6	3	2	10
3.Not much change	402	407	335	254	285
4.A bit worse	42	39	37	32	41
5.Much worse	177	165	141	109	117

Value-----			S3CIQSCORE13	S4CIQSCORE13	S5CIQSCORE13
.a:age lt 65				688	652
.d:DK			2	3	2
.m:Missing			1	1	6
.n:does not apply			9	17	10
.p:non-proxy interview			10805	12570	11320
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
1.Much improved			21	7	4
2.A bit improved			20	6	3
3.Not much change			891	551	572
4.A bit worse			32	33	48
5.Much worse			135	102	113

Value-----	S6CIQSCORE13	S7CIQSCORE13	S8CIQSCORE13	S9CIQSCORE13	S10CIQSCORE13
.a:age lt 65	539	539	293	212	303

.d:DK	5	1		1	
.m:Missing	51	4	2	2	
.n:does not apply	7	172	140	122	106
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	4				
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	5	8	2	9	11
2.A bit improved	5	5	4	3	8
3.Not much change	610	428	299	262	311
4.A bit worse	38	13	15	12	24
5.Much worse	95	33	37	34	54
Value-----	S11CIQSCORE13	S12CIQSCORE13	S13CIQSCORE13	S14CIQSCORE13	S15CIQSCORE13
.a:age lt 65	233	218	198	131	125
.d:DK	1			1	
.m:Missing			1	1	
.n:does not apply	89	66	62	49	44
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	3	4	4	2	3
2.A bit improved	3	3	2	1	8
3.Not much change	253	229	204	153	181
4.A bit worse	14	15	16	13	16
5.Much worse	53	54	38	33	41
Value-----			R3CIQSCORE14	R4CIQSCORE14	R5CIQSCORE14
.a:age lt 65				746	699
.d:DK			7	16	11
.m:Missing			1	2	6
.n:does not apply			20	22	50
.p:non-proxy interview			16351	19338	17516
.r:Refuse			5	2	1
1.Much improved			24	8	3
2.A bit improved			22	5	6
3.Not much change			1148	826	806
4.A bit worse			78	85	107
5.Much worse			335	334	373
Value-----	R6CIQSCORE14	R7CIQSCORE14	R8CIQSCORE14	R9CIQSCORE14	R10CIQSCORE14
.a:age lt 65	590	574	304	229	324
.d:DK	17	6		1	1
.m:Missing	63	4	3	2	
.n:does not apply	20	507	458	434	391
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	5				
1.Much improved	7	11	3	10	11
2.A bit improved	5	5	3	7	9
3.Not much change	886	551	375	337	432
4.A bit worse	102	34	27	26	59
5.Much worse	341	110	87	94	155
Value-----	R11CIQSCORE14	R12CIQSCORE14	R13CIQSCORE14	R14CIQSCORE14	R15CIQSCORE14
.a:age lt 65	257	238	216	149	139
.d:DK	1			1	2
.m:Missing			4	1	
.n:does not apply	293	235	249	134	154
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse	1		1		1
1.Much improved	7	8	5	3	4
2.A bit improved	6	9	6	4	6
3.Not much change	359	376	289	224	256
4.A bit worse	44	31	32	28	42
5.Much worse	178	152	139	119	117
Value-----			S3CIQSCORE14	S4CIQSCORE14	S5CIQSCORE14
.a:age lt 65				688	652
.d:DK			4	5	3
.m:Missing			1	1	6
.n:does not apply			7	10	17
.p:non-proxy interview			10805	12570	11320
.r:Refuse			1		
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311

1.Much improved			22	6	2
2.A bit improved			20	1	4
3.Not much change			883	547	551
4.A bit worse			36	40	45
5.Much worse			137	110	130

Value-----	S6CIQSCORE14	S7CIQSCORE14	S8CIQSCORE14	S9CIQSCORE14	S10CIQSCORE14
.a:age lt 65	539	539	293	212	303
.d:DK	5	2		1	1
.m:Missing	51	4	2	2	
.n:does not apply	8	202	173	143	140
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	4				
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	6	10	3	6	9
2.A bit improved	4	4	2	6	6
3.Not much change	599	403	275	244	279
4.A bit worse	42	9	18	6	23
5.Much worse	101	30	26	37	56

Value-----	S11CIQSCORE14	S12CIQSCORE14	S13CIQSCORE14	S14CIQSCORE14	S15CIQSCORE14
.a:age lt 65	233	218	198	131	125
.d:DK	1			1	1
.m:Missing			1	1	
.n:does not apply	104	79	91	54	59
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	3	3	4	2	3
2.A bit improved	4	6	4	3	4
3.Not much change	232	218	177	145	162
4.A bit worse	15	10	9	12	19
5.Much worse	57	55	41	35	45

Value-----		R3CIQSCORE15	R4CIQSCORE15	R5CIQSCORE15
.a:age lt 65			746	699
.d:DK		6	12	5
.m:Missing		1	2	6
.n:does not apply		5	3	15
.p:non-proxy interview		16351	19338	17516
.r:Refuse		6	1	1
1.Much improved		17	8	5
2.A bit improved		14	11	2
3.Not much change		1210	856	886
4.A bit worse		87	79	95
5.Much worse		294	328	348

Value-----	R6CIQSCORE15	R7CIQSCORE15	R8CIQSCORE15	R9CIQSCORE15	R10CIQSCORE15
.a:age lt 65	590	574	304	229	324
.d:DK	15	8	3	4	3
.m:Missing	64	4	3	2	
.n:does not apply	6	348	306	296	226
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	4				
1.Much improved	4	9	3	6	13
2.A bit improved	12	11	3	8	5
3.Not much change	909	648	470	414	537
4.A bit worse	107	66	42	47	80
5.Much worse	325	134	126	134	194

Value-----	R11CIQSCORE15	R12CIQSCORE15	R13CIQSCORE15	R14CIQSCORE15	R15CIQSCORE15
.a:age lt 65	257	238	216	149	139
.d:DK	3	3	2	1	6
.m:Missing			4	1	
.n:does not apply	181	127	122	75	77
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse			1		
1.Much improved	8	8	8	2	3
2.A bit improved	7	4	6	3	5
3.Not much change	428	428	357	261	295
4.A bit worse	67	52	47	46	59
5.Much worse	195	189	178	125	137

Value-----		S3CIQSCORE15	S4CIQSCORE15	S5CIQSCORE15
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.a:age lt 65				688	652
.d:DK			2	6	1
.m:Missing			1	1	6
.n:does not apply			2	1	5
.p:non-proxy interview		10805		12570	11320
.r:Refuse			1		
.u:not coupled		5659		6870	6537
.v:SP NR		416		536	311
1.Much improved			14	4	3
2.A bit improved			11	7	
3.Not much change			924	564	590
4.A bit worse			34	38	42
5.Much worse			122	99	111

Value-----	S6CIQSCORE15	S7CIQSCORE15	S8CIQSCORE15	S9CIQSCORE15	S10CIQSCORE15
.a:age lt 65	539	539	293	212	303
.d:DK	4	3	1	3	2
.m:Missing	51	4	2	2	
.n:does not apply	3	136	107	87	76
.p:non-proxy interview	10273	11765	10936	9983	12691
.r:Refuse	3				
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Much improved	3	7	2	4	8
2.A bit improved	8	9	2	3	3
3.Not much change	602	452	329	286	330
4.A bit worse	46	19	18	13	31
5.Much worse	100	34	38	47	64

Value-----	S11CIQSCORE15	S12CIQSCORE15	S13CIQSCORE15	S14CIQSCORE15	S15CIQSCORE15
.a:age lt 65	233	218	198	131	125
.d:DK	2	1		1	3
.m:Missing			1	1	
.n:does not apply	69	47	43	37	28
.p:non-proxy interview	11827	10423	11252	8974	8047
.r:Refuse			1		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Much improved	4	2	7	1	2
2.A bit improved	4	3	4	1	3
3.Not much change	262	239	200	158	187
4.A bit worse	17	18	19	21	24
5.Much worse	58	61	53	33	47

Value-----		R3CIQSCORE16	R4CIQSCORE16	R5CIQSCORE16
.a:age lt 65			746	699
.d:DK			4	5
.m:Missing			2	6
.p:non-proxy interview		16351	19338	17516
.r:Refuse			3	1
1.Much improved			21	13
2.A bit improved			28	14
3.Not much change			1190	848
4.A bit worse			130	145
5.Much worse			262	272

Value-----	R6CIQSCORE16	R7CIQSCORE16	R8CIQSCORE16	R9CIQSCORE16	R10CIQSCORE16
.a:age lt 65	590	574	304	229	324
.d:DK	10	6	3	3	3
.m:Missing	63	4	3	2	
.n:does not apply		98	96	67	52
.p:non-proxy interview	16129	18327	17209	16077	20652
.r:Refuse	2				
1.Much improved	6	13	3	8	17
2.A bit improved	15	12	6	11	15
3.Not much change	918	771	573	510	611
4.A bit worse	138	121	84	108	122
5.Much worse	294	203	188	202	238

Value-----	R11CIQSCORE16	R12CIQSCORE16	R13CIQSCORE16	R14CIQSCORE16	R15CIQSCORE16
.a:age lt 65	257	238	216	149	139
.d:DK	2	1	4	1	3
.m:Missing			4	1	
.n:does not apply	50	36	32	14	14
.p:non-proxy interview	19408	17698	19971	16483	15002
.r:Refuse			1		1

1.Much improved		4	13	7	6	5
2.A bit improved		10	8	12	4	9
3.Not much change		491	445	384	271	311
4.A bit worse		103	111	92	88	101
5.Much worse		229	197	189	129	138

Value-----			S3CIQSCORE16	S4CIQSCORE16	S5CIQSCORE16
.a:age lt 65				688	652
.d:DK				2	3
.m:Missing				1	6
.p:non-proxy interview			10805	12570	11320
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
1.Much improved			18	6	3
2.A bit improved			20	8	4
3.Not much change			897	548	590
4.A bit worse			57	62	56
5.Much worse			116	92	96

Value-----		S6CIQSCORE16	S7CIQSCORE16	S8CIQSCORE16	S9CIQSCORE16	S10CIQSCORE16
.a:age lt 65		539	539	293	212	303
.d:DK		2	2	1	2	2
.m:Missing		51	4	2	2	
.n:does not apply			30	33	22	16
.p:non-proxy interview		10273	11765	10936	9983	12691
.r:Refuse		2				
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
1.Much improved		5	10	2	4	11
2.A bit improved		11	9	3	9	10
3.Not much change		603	500	371	309	365
4.A bit worse		54	42	34	38	42
5.Much worse		92	67	53	59	68

Value-----		S11CIQSCORE16	S12CIQSCORE16	S13CIQSCORE16	S14CIQSCORE16	S15CIQSCORE16
.a:age lt 65		233	218	198	131	125
.d:DK		2	1		1	
.m:Missing				1	1	
.n:does not apply		19	13	14	7	4
.p:non-proxy interview		11827	10423	11252	8974	8047
.r:Refuse				1		1
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.Much improved		4	6	5	4	3
2.A bit improved		1	4	9	4	4
3.Not much change		287	243	214	159	194
4.A bit worse		35	39	31	34	42
5.Much worse		68	65	53	43	46

## How Constructed:

The following variables pertain to a series of questions that asked the proxy whether the respondent has improved, stayed the same, or gotten worse in various situations that require memory or intelligence. The interviewer emphasized the importance of comparing present performance with past performance and asked the proxy to compare the respondent's current ability with the respondent's ability 2 years ago.

In RwCIQSCORE1, the informant compared the respondent's current ability to remember things about family and friends, such as occupations, birthdays, and addresses, with their ability in the past.

In RwCIQSCORE2, the informant compared the respondent's current ability to remember things that have happened recently with their ability in the past.

In RwCIQSCORE3, the informant compared the respondent's current ability to recall conversations a few days later with their ability in the past.

In RwCIQSCORE4, the informant compared the respondent's current ability to remember their address and telephone number with their ability in the past.

In RwCIQSCORE5, the informant compared the respondent's current ability to remember what day and month it is with their ability in the past.

In RwcIQSCORE6, the informant compared the respondent's current ability to remember where things are usually kept with their ability in the past.

In RwcIQSCORE7, the informant compared the respondent's current ability to remember where to find things that have been put in a different place than usual with their ability in the past.

In RwcIQSCORE8, the informant compared the respondent's current ability to know how to work familiar machines around the house with their ability in the past.

In RwcIQSCORE9, the informant compared the respondent's current ability to learn to use a new gadget or machine around the house with their ability in the past.

In RwcIQSCORE10, the informant compared the respondent's current ability to learn new things in general with their ability in the past.

In RwcIQSCORE11, the informant compared the respondent's current ability to follow a story in a book or on TV with their ability in the past.

In RwcIQSCORE12, the informant compared the respondent's current ability to make decisions on everyday matters with their ability in the past.

In RwcIQSCORE13, the informant compared the respondent's current ability to handle money for shopping with their ability in the past.

In RwcIQSCORE14, the informant compared the respondent's current ability to handle financial matters with their ability in the past. Examples include pension-related decisions or dealing with the bank.

In RwcIQSCORE15, the informant compared the respondent's current ability to handle other everyday mathematical problems, such as knowing how much food to buy and knowing how much time elapsed between visits from family or friends, with their ability in the past.

In RwcIQSCORE16, the informant compared the respondent's current ability to use their intelligence to understand what's going on and to reason things through with their ability in the past.

RwcIQSCORE1 - RwcIQSCORE16 are coded as follows: 1.Much improved, 2.A bit improved, 3.Not much changed, 4.A bit worse, and 5.Much worse. RwcJORMSCORE indicates the average value of RwcIQSCORE1 - RwcIQSCORE16 and ranges from 0-5. RwcJORMSCORE is calculated as long as at least one component is not missing. Special missing .p is assigned to non-proxy interviews. Proxies can respond that the question does not apply for RwcIQSCORE1 - RwcIQSCORE16, in which case the variable is assigned special missing value .n. Don't know and refused responses are assigned special missing .d and .r, respectively. Other missing responses are assigned special missing .m. Starting in Wave 4, proxies for respondents younger than 65 are not asked these questions and those responses are assigned special missing .a. RwcIQSCORE1 - RwcIQSCORE16 and RwcJORMSCORE are assigned plain missing (.) if the respondent did not participate in the current wave.

SwcIQSCORE1 - SwcIQSCORE16 indicate the current wave's spouse's responses to RwcIQSCORE1 - RwcIQSCORE16. SwcJORMSCORE indicates the average value of SwcIQSCORE1 - SwcIQSCORE16, and its values are taken from RwcJORMSCORE. In addition to the special missing codes used in RwcIQSCORE1 - RwcIQSCORE16 and RwcJORMSCORE, SwcIQSCORE1 - SwcIQSCORE16 and SwcJORMSCORE employ two other missing codes: .u and .v. The special missing value .u is used when the respondent does not report being coupled in the current wave. The special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions from the JORM IQCODE Test begin in Wave 3, and so RwcIQSCORE1 - RwcIQSCORE16 and RwcJORMSCORE are available starting in Wave 3.

## HRS Variables Used:

```
RAND HRS:
  R10AGEY_E      r10agey_e:w10 r age (years) at ivw endmon
  R11AGEY_E      r11agey_e:w11 r age (years) at ivw endmon
```



R12AGEY_E	r12agey_e:w12 r age (years) at ivw endmon
R13AGEY_E	r13agey_e:w13 r age (years) at ivw endmon
R14AGEY_E	r14agey_e:w14 r age (years) at ivw endmon
R15AGEY_E	r15agey_e:w15 r age (years) at ivw endmon
R4AGEY_E	r4agey_e:w4 r age (years) at ivw endmon
R5AGEY_E	r5agey_e:w5 r age (years) at ivw endmon
R6AGEY_E	r6agey_e:w6 r age (years) at ivw endmon
R7AGEY_E	r7agey_e:w7 r age (years) at ivw endmon
R8AGEY_E	r8agey_e:w8 r age (years) at ivw endmon
R9AGEY_E	r9agey_e:w9 r age (years) at ivw endmon
Wave 3 AHEAD:	
D1072	pc8.things: birthdays-occupations
D1073	pc8a.improved things
D1074	pc8b.worse things
D1077	pc9.things: recent
D1078	pc9a.improved things
D1079	pc9b.worse things
D1082	pc10.conversations: recall
D1083	pc10a.improved
D1084	pc10b.worse
D1087	pc11.rememberng: own phone
D1088	pc11a.improved
D1089	pc11b.worse
D1092	pc12.rememberng: day-month
D1093	pc12a.improved things
D1094	pc12b.worse things
D1097	pc13.rememberng: usual kept
D1098	pc13a.improved
D1099	pc13b.worse
D1102	pc14.rememberng: different place
D1103	pc14a.improved
D1104	pc14b.worse
D1107	pc15.working usual machines
D1108	pc15a.improved
D1109	pc15b.worse
D1112	pc16.learning new machines
D1113	pc16a.improved
D1114	pc16b.worse
D1117	pc17.learning new things
D1118	pc17a.improved
D1119	pc17b.worse
D1122	pc18.following story
D1123	pc18a.improved
D1124	pc18b.worse
D1127	pc19.making decisions
D1128	pc19a.improved
D1129	pc19b.worse
D1132	pc20.handling shop money
D1133	pc20a.improved
D1134	pc20b.worse
D1135	pc21.handling finances
D1136	pc21a.improved
D1137	pc21b.worse
D1138	pc22.arithmetic problems
D1139	pc22a.improved
D1140	pc22b.worse
D1141	pc23.reasoning
D1142	pc23a.improved
D1143	pc23b.worse
D218	cs1a.proxy/self interview
Wave 3 HRS:	
E1072	pc8.things: birthdays-occupations
E1073	pc8a.improved things

E1074	pc8b.worse things
E1077	pc9.things: recent
E1078	pc9a.improved things
E1079	pc9b.worse things
E1082	pc10.conversations: recall
E1083	pc10a.improved
E1084	pc10b.worse
E1087	pc11.rememberng: own phone
E1088	pc11a.improved
E1089	pc11b.worse
E1092	pc12.rememberng: day-month
E1093	pc12a.improved things
E1094	pc12b.worse things
E1097	pc13.rememberng: usual kept
E1098	pc13a.improved
E1099	pc13b.worse
E1102	pc14.rememberng: different place
E1103	pc14a.improved
E1104	pc14b.worse
E1107	pc15.working usual machines
E1108	pc15a.improved
E1109	pc15b.worse
E1112	pc16.learning new machines
E1113	pc16a.improved
E1114	pc16b.worse
E1117	pc17.learning new things
E1118	pc17a.improved
E1119	pc17b.worse
E1122	pc18.following story
E1123	pc18a.improved
E1124	pc18b.worse
E1127	pc19.making decisions
E1128	pc19a.improved
E1129	pc19b.worse
E1132	pc20.handling shop money
E1133	pc20a.improved
E1134	pc20b.worse
E1135	pc21.handling finances
E1136	pc21a.improved
E1137	pc21b.worse
E1138	pc22.arithmetic problems
E1139	pc22a.improved
E1140	pc22b.worse
E1141	pc23.reasoning
E1142	pc23a.improved
E1143	pc23b.worse
E218	cs1a.proxy/self interview
Wave 4:	
F1389	pc8.things: birthdays-occupations
F1390	pc8a.improved things
F1391	pc8b.worse things
F1394	pc9.things: recent
F1395	pc9a.improved things
F1396	pc9b.worse things
F1399	pc10.conversations: recall
F1400	pc10a.improved
F1401	pc10b.worse
F1404	pc11.rememberng: own phone
F1405	pc11a.improved
F1406	pc11b.worse
F1409	pc12.rememberng: day-month
F1410	pc12a.improved things
F1411	pc12b.worse things

F1414 pc13.rememberng: usual kept  
F1415 pc13a.improved  
F1416 pc13b.worse  
F1419 pc14.rememberng: different place  
F1420 pc14a.improved  
F1421 pc14b.worse  
F1424 pc15.working usual machines  
F1425 pc15a.improved  
F1426 pc15b.worse  
F1429 pc16.learning new machines  
F1430 pc16a.improved  
F1431 pc16b.worse  
F1434 pc17.learning new things  
F1435 pc17a.improved  
F1436 pc17b.worse  
F1439 pc18.following story  
F1440 pc18a.improved  
F1441 pc18b.worse  
F1444 pc19.making decisions  
F1445 pc19a.improved  
F1446 pc19b.worse  
F1448 pc20.handling shop money  
F1449 pc20a.improved  
F1450 pc20b.worse  
F1451 pc21.handling finances  
F1452 pc21a.improved  
F1453 pc21b.worse  
F1454 pc22.arithmetic problems  
F1455 pc22a.improved  
F1456 pc22b.worse  
F1457 pc23.reasoning  
F1458 pc23a.improved  
F1459 pc23b.worse  
F483 cs1a.proxy/self interview

## Wave 5:

G1543 pc8.things: birthdays-occupations  
G1544 pc8a.improved things  
G1545 pc8b.worse things  
G1548 pc9.things: recent  
G1549 pc9a.improved things  
G1550 pc9b.worse things  
G1553 pc10.conversations: recall  
G1554 pc10a.improved  
G1555 pc10b.worse  
G1558 pc11.rememberng: own phone  
G1559 pc11a.improved  
G1560 pc11b.worse  
G1563 pc12.rememberng: day-month  
G1564 pc12a.improved things  
G1565 pc12b.worse things  
G1568 pc13.rememberng: usual kept  
G1569 pc13a.improved  
G1570 pc13b.worse  
G1573 pc14.rememberng: different place  
G1574 pc14a.improved  
G1575 pc14b.worse  
G1578 pc15.working usual machines  
G1579 pc15a.improved  
G1580 pc15b.worse  
G1583 pc16.learning new machines  
G1584 pc16a.improved  
G1585 pc16b.worse  
G1588 pc17.learning new things

G1589 pc17a.improved  
 G1590 pc17b.worse  
 G1593 pc18.following story  
 G1594 pc18a.improved  
 G1595 pc18b.worse  
 G1598 pc19.making decisions  
 G1599 pc19a.improved  
 G1600 pc19b.worse  
 G1602 pc20.handling shop money  
 G1603 pc20a.improved  
 G1604 pc20b.worse  
 G1605 pc21.handling finances  
 G1606 pc21a.improved  
 G1607 pc21b.worse  
 G1608 pc22.arithmetic problems  
 G1609 pc22a.improved  
 G1610 pc22b.worse  
 G1611 pc23.reasoning  
 G1612 pc23a.improved  
 G1613 pc23b.worse  
 G514 cs1a.proxy/self interview

## Wave 6:

HA009 proxy/self interview  
 HD506 rate r at remembering things- pc  
 HD507 organization improved- pc  
 HD508 organization worse- pc  
 HD509 rate r at remembering recent events- pc  
 HD510 remembering recent events improved- pc  
 HD511 remembering recent events worse- pc  
 HD512 rate r at conversation recall- pc  
 HD513 conversation recall improved- pc  
 HD514 conversation recall worse- pc  
 HD515 rate remembering own phone num- pc  
 HD516 remembering own phone num improve- pc  
 HD517 remembering own phone num worse- pc  
 HD518 rate remembering current dy/mo- pc  
 HD519 remembering current dy/mo improve- pc  
 HD520 remembering current dy/mo worse- pc  
 HD521 rate remembering where things kept- pc  
 HD522 where things are kept improved- pc  
 HD523 where things are kept worse- pc  
 HD524 rate finding things in diff places- pc  
 HD525 finding things improved- pc  
 HD526 finding things worse- pc  
 HD527 rate working with familiar machines- pc  
 HD528 working with familiar machines impr- pc  
 HD529 working with familiar machines worse- pc  
 HD530 rate learning new machines- pc  
 HD531 learning new machines improved- pc  
 HD532 learning new machines worse- pc  
 HD533 rate learning new things in general- pc  
 HD534 learning ability improve- pc  
 HD535 learning ability worse- pc  
 HD536 rate ability to follow story- pc  
 HD537 ability to follow story improve- pc  
 HD538 ability to follow story worse- pc  
 HD539 rate making decisions- pc  
 HD540 make decisions improve- pc  
 HD541 make decisions worse- pc  
 HD542 rate handling shopping money- pc  
 HD543 handling shopping money improve- pc  
 HD544 handling shopping money worse- pc  
 HD545 rate handling finances- pc

HD546 handling finances improve- pc  
 HD547 handling finances worse- pc  
 HD548 rate handling daily arithmetic probs- pc  
 HD549 handling arithmetic problems improve- pc  
 HD550 handling arithmetic problems worse- pc  
 HD551 rate reasoning- pc  
 HD552 reasoning improve- pc  
 HD553 reasoning worse- pc

## Wave 7:

JA009 proxy/self interview  
 JD506 rate r at remembering things- pc  
 JD507 organization improved- pc  
 JD508 organization worse- pc  
 JD509 rate r at remembering recent events- pc  
 JD510 remembering recent events improved- pc  
 JD511 remembering recent events worse- pc  
 JD512 rate r at conversation recall- pc  
 JD513 conversation recall improved- pc  
 JD514 conversation recall worse- pc  
 JD515 rate remembering own phone num- pc  
 JD516 remembering own phone num improve- pc  
 JD517 remembering own phone num worse- pc  
 JD518 rate remembering current dy/mo- pc  
 JD519 remembering current dy/mo improve- pc  
 JD520 remembering current dy/mo worse- pc  
 JD521 rate remembering where things kept- pc  
 JD522 where things are kept improved- pc  
 JD523 where things are kept worse- pc  
 JD524 rate finding things in diff places- pc  
 JD525 finding things improved- pc  
 JD526 finding things worse- pc  
 JD527 rate working with familiar machines- pc  
 JD528 working with familiar machines impr- pc  
 JD529 working with familiar machines worse- pc  
 JD530 rate learning new machines- pc  
 JD531 learning new machines improved- pc  
 JD532 learning new machines worse- pc  
 JD533 rate learning new things in general- pc  
 JD534 learning ability improve- pc  
 JD535 learning ability worse- pc  
 JD536 rate ability to follow story- pc  
 JD537 ability to follow story improve- pc  
 JD538 ability to follow story worse- pc  
 JD539 rate making decisions- pc  
 JD540 make decisions improve- pc  
 JD541 make decisions worse- pc  
 JD542 rate handling shopping money- pc  
 JD543 handling shopping money improve- pc  
 JD544 handling shopping money worse- pc  
 JD545 rate handling finances- pc  
 JD546 handling finances improve- pc  
 JD547 handling finances worse- pc  
 JD548 rate handling daily arithmetic probs- pc  
 JD549 handling arithmetic problems improve- pc  
 JD550 handling arithmetic problems worse- pc  
 JD551 rate reasoning- pc  
 JD552 reasoning improve- pc  
 JD553 reasoning worse- pc

## Wave 8:

KA009 proxy/self interview  
 KD506 rate r at remembering things- pc  
 KD507 organization improved- pc  
 KD508 organization worse- pc

KD509 rate r at remembering recent events- pc  
 KD510 remembering recent events improved- pc  
 KD511 remembering recent events worse- pc  
 KD512 rate r at conversation recall- pc  
 KD513 conversation recall improved- pc  
 KD514 conversation recall worse- pc  
 KD515 rate remembering own phone num- pc  
 KD516 remembering own phone num improve- pc  
 KD517 remembering own phone num worse- pc  
 KD518 rate remembering current dy/mo- pc  
 KD519 remembering current dy/mo improve- pc  
 KD520 remembering current dy/mo worse- pc  
 KD521 rate remembering where things kept- pc  
 KD522 where things are kept improved- pc  
 KD523 where things are kept worse- pc  
 KD524 rate finding things in diff places- pc  
 KD525 finding things improved- pc  
 KD526 finding things worse- pc  
 KD527 rate working with familiar machines- pc  
 KD528 working with familiar machines impr- pc  
 KD529 working with familiar machines worse- pc  
 KD530 rate learning new machines- pc  
 KD531 learning new machines improved- pc  
 KD532 learning new machines worse- pc  
 KD533 rate learning new things in general- pc  
 KD534 learning ability improve- pc  
 KD535 learning ability worse- pc  
 KD536 rate ability to follow story- pc  
 KD537 ability to follow story improve- pc  
 KD538 ability to follow story worse- pc  
 KD539 rate making decisions- pc  
 KD540 make decisions improve- pc  
 KD541 make decisions worse- pc  
 KD542 rate handling shopping money- pc  
 KD543 handling shopping money improve- pc  
 KD544 handling shopping money worse- pc  
 KD545 rate handling finances- pc  
 KD546 handling finances improve- pc  
 KD547 handling finances worse- pc  
 KD548 rate handling daily arithmetic probs- pc  
 KD549 handling arithmetic problems improve- pc  
 KD550 handling arithmetic problems worse- pc  
 KD551 rate reasoning- pc  
 KD552 reasoning improve- pc  
 KD553 reasoning worse- pc

## Wave 9:

LA009 proxy/self interview  
 LD506 rate r at remembering things- pc  
 LD507 organization improved- pc  
 LD508 organization worse- pc  
 LD509 rate r at remembering recent events- pc  
 LD510 remembering recent events improved- pc  
 LD511 remembering recent events worse- pc  
 LD512 rate r at conversation recall- pc  
 LD513 conversation recall improved- pc  
 LD514 conversation recall worse- pc  
 LD515 rate remembering own phone num- pc  
 LD516 remembering own phone num improve- pc  
 LD517 remembering own phone num worse- pc  
 LD518 rate remembering current dy/mo- pc  
 LD519 remembering current dy/mo improve- pc  
 LD520 remembering current dy/mo worse- pc  
 LD521 rate remembering where things kept- pc

LD522 where things are kept improved- pc  
 LD523 where things are kept worse- pc  
 LD524 rate finding things in diff places- pc  
 LD525 finding things improved- pc  
 LD526 finding things worse- pc  
 LD527 rate working with familiar machines- pc  
 LD528 working with familiar machines impr- pc  
 LD529 working with familiar machines worse- pc  
 LD530 rate learning new machines- pc  
 LD531 learning new machines improved- pc  
 LD532 learning new machines worse- pc  
 LD533 rate learning new things in general- pc  
 LD534 learning ability improve- pc  
 LD535 learning ability worse- pc  
 LD536 rate ability to follow story- pc  
 LD537 ability to follow story improve- pc  
 LD538 ability to follow story worse- pc  
 LD539 rate making decisions- pc  
 LD540 make decisions improve- pc  
 LD541 make decisions worse- pc  
 LD542 rate handling shopping money- pc  
 LD543 handling shopping money improve- pc  
 LD544 handling shopping money worse- pc  
 LD545 rate handling finances- pc  
 LD546 handling finances improve- pc  
 LD547 handling finances worse- pc  
 LD548 rate handling daily arithmetic probs- pc  
 LD549 handling arithmetic problems improve- pc  
 LD550 handling arithmetic problems worse- pc  
 LD551 rate reasoning- pc  
 LD552 reasoning improve- pc  
 LD553 reasoning worse- pc

## Wave 10:

MA009 proxy/self interview  
 MD506 rate r at remembering things- pc  
 MD507 organization improved- pc  
 MD508 organization worse- pc  
 MD509 rate r at remembering recent events- pc  
 MD510 remembering recent events improved- pc  
 MD511 remembering recent events worse- pc  
 MD512 rate r at conversation recall- pc  
 MD513 conversation recall improved- pc  
 MD514 conversation recall worse- pc  
 MD515 rate remembering own phone num- pc  
 MD516 remembering own phone num improve- pc  
 MD517 remembering own phone num worse- pc  
 MD518 rate remembering current dy/mo- pc  
 MD519 remembering current dy/mo improve- pc  
 MD520 remembering current dy/mo worse- pc  
 MD521 rate remembering where things kept- pc  
 MD522 where things are kept improved- pc  
 MD523 where things are kept worse- pc  
 MD524 rate finding things in diff places- pc  
 MD525 finding things improved- pc  
 MD526 finding things worse- pc  
 MD527 rate working with familiar machines- pc  
 MD528 working with familiar machines impr- pc  
 MD529 working with familiar machines worse- pc  
 MD530 rate learning new machines- pc  
 MD531 learning new machines improved- pc  
 MD532 learning new machines worse- pc  
 MD533 rate learning new things in general- pc  
 MD534 learning ability improve- pc

MD535 learning ability worse- pc  
 MD536 rate ability to follow story- pc  
 MD537 ability to follow story improve- pc  
 MD538 ability to follow story worse- pc  
 MD539 rate making decisions- pc  
 MD540 make decisions improve- pc  
 MD541 make decisions worse- pc  
 MD542 rate handling shopping money- pc  
 MD543 handling shopping money improve- pc  
 MD544 handling shopping money worse- pc  
 MD545 rate handling finances- pc  
 MD546 handling finances improve- pc  
 MD547 handling finances worse- pc  
 MD548 rate handling daily arithmetic probs- pc  
 MD549 handling arithmetic problems improve- pc  
 MD550 handling arithmetic problems worse- pc  
 MD551 rate reasoning- pc  
 MD552 reasoning improve- pc  
 MD553 reasoning worse- pc

## Wave 11:

NA009 proxy/self interview  
 ND506 rate r at remembering things- pc  
 ND507 organization improved- pc  
 ND508 organization worse- pc  
 ND509 rate r at remembering recent events- pc  
 ND510 remembering recent events improved- pc  
 ND511 remembering recent events worse- pc  
 ND512 rate r at conversation recall- pc  
 ND513 conversation recall improved- pc  
 ND514 conversation recall worse- pc  
 ND515 rate remembering own phone num- pc  
 ND516 remembering own phone num improve- pc  
 ND517 remembering own phone num worse- pc  
 ND518 rate remembering current dy/mo- pc  
 ND519 remembering current dy/mo improve- pc  
 ND520 remembering current dy/mo worse- pc  
 ND521 rate remembering where things kept- pc  
 ND522 where things are kept improved- pc  
 ND523 where things are kept worse- pc  
 ND524 rate finding things in diff places- pc  
 ND525 finding things improved- pc  
 ND526 finding things worse- pc  
 ND527 rate working with familiar machines- pc  
 ND528 working with familiar machines impr- pc  
 ND529 working with familiar machines worse- pc  
 ND530 rate learning new machines- pc  
 ND531 learning new machines improved- pc  
 ND532 learning new machines worse- pc  
 ND533 rate learning new things in general- pc  
 ND534 learning ability improve- pc  
 ND535 learning ability worse- pc  
 ND536 rate ability to follow story- pc  
 ND537 ability to follow story improve- pc  
 ND538 ability to follow story worse- pc  
 ND539 rate making decisions- pc  
 ND540 make decisions improve- pc  
 ND541 make decisions worse- pc  
 ND542 rate handling shopping money- pc  
 ND543 handling shopping money improve- pc  
 ND544 handling shopping money worse- pc  
 ND545 rate handling finances- pc  
 ND546 handling finances improve- pc  
 ND547 handling finances worse- pc



ND548 rate handling daily arithmetic probs- pc  
 ND549 handling arithmetic problems improve- pc  
 ND550 handling arithmetic problems worse- pc  
 ND551 rate reasoning- pc  
 ND552 reasoning improve- pc  
 ND553 reasoning worse- pc  
 Wave 12:  
 OA009 proxy/self interview  
 OD506 rate r at remembering things- pc  
 OD507 organization improved- pc  
 OD508 organization worse- pc  
 OD509 rate r at remembering recent events- pc  
 OD510 remembering recent events improved- pc  
 OD511 remembering recent events worse- pc  
 OD512 rate r at conversation recall- pc  
 OD513 conversation recall improved- pc  
 OD514 conversation recall worse- pc  
 OD515 rate remembering own phone num- pc  
 OD516 remembering own phone num improve- pc  
 OD517 remembering own phone num worse- pc  
 OD518 rate remembering current dy/mo- pc  
 OD519 remembering current dy/mo improve- pc  
 OD520 remembering current dy/mo worse- pc  
 OD521 rate remembering where things kept- pc  
 OD522 where things are kept improved- pc  
 OD523 where things are kept worse- pc  
 OD524 rate finding things in diff places- pc  
 OD525 finding things improved- pc  
 OD526 finding things worse- pc  
 OD527 rate working with familiar machines- pc  
 OD528 working with familiar machines impr- pc  
 OD529 working with familiar machines worse- pc  
 OD530 rate learning new machines- pc  
 OD531 learning new machines improved- pc  
 OD532 learning new machines worse- pc  
 OD533 rate learning new things in general- pc  
 OD534 learning ability improve- pc  
 OD535 learning ability worse- pc  
 OD536 rate ability to follow story- pc  
 OD537 ability to follow story improve- pc  
 OD538 ability to follow story worse- pc  
 OD539 rate making decisions- pc  
 OD540 make decisions improve- pc  
 OD541 make decisions worse- pc  
 OD542 rate handling shopping money- pc  
 OD543 handling shopping money improve- pc  
 OD544 handling shopping money worse- pc  
 OD545 rate handling finances- pc  
 OD546 handling finances improve- pc  
 OD547 handling finances worse- pc  
 OD548 rate handling daily arithmetic probs- pc  
 OD549 handling arithmetic problems improve- pc  
 OD550 handling arithmetic problems worse- pc  
 OD551 rate reasoning- pc  
 OD552 reasoning improve- pc  
 OD553 reasoning worse- pc  
 Wave 13:  
 PA009 proxy/self interview  
 PD506 rate r at remembering things- pc  
 PD507 organization improved- pc  
 PD508 organization worse- pc  
 PD509 rate r at remembering recent events- pc  
 PD510 remembering recent events improved- pc

PD511 remembering recent events worse- pc  
 PD512 rate r at conversation recall- pc  
 PD513 conversation recall improved- pc  
 PD514 conversation recall worse- pc  
 PD515 rate remembering own phone num- pc  
 PD516 remembering own phone num improve- pc  
 PD517 remembering own phone num worse- pc  
 PD518 rate remembering current dy/mo- pc  
 PD519 remembering current dy/mo improve- pc  
 PD520 remembering current dy/mo worse- pc  
 PD521 rate remembering where things kept- pc  
 PD522 where things are kept improved- pc  
 PD523 where things are kept worse- pc  
 PD524 rate finding things in diff places- pc  
 PD525 finding things improved- pc  
 PD526 finding things worse- pc  
 PD527 rate working with familiar machines- pc  
 PD528 working with familiar machines impr- pc  
 PD529 working with familiar machines worse- pc  
 PD530 rate learning new machines- pc  
 PD531 learning new machines improved- pc  
 PD532 learning new machines worse- pc  
 PD533 rate learning new things in general- pc  
 PD534 learning ability improve- pc  
 PD535 learning ability worse- pc  
 PD536 rate ability to follow story- pc  
 PD537 ability to follow story improve- pc  
 PD538 ability to follow story worse- pc  
 PD539 rate making decisions- pc  
 PD540 make decisions improve- pc  
 PD541 make decisions worse- pc  
 PD542 rate handling shopping money- pc  
 PD543 handling shopping money improve- pc  
 PD544 handling shopping money worse- pc  
 PD545 rate handling finances- pc  
 PD546 handling finances improve- pc  
 PD547 handling finances worse- pc  
 PD548 rate handling daily arithmetic probs- pc  
 PD549 handling arithmetic problems improve- pc  
 PD550 handling arithmetic problems worse- pc  
 PD551 rate reasoning- pc  
 PD552 reasoning improve- pc  
 PD553 reasoning worse- pc

## Wave 14:

QA009 proxy/self interview  
 QD506 rate r at remembering things- pc  
 QD507 organization improved- pc  
 QD508 organization worse- pc  
 QD509 rate r at remembering recent events- pc  
 QD510 remembering recent events improved- pc  
 QD511 remembering recent events worse- pc  
 QD512 rate r at conversation recall- pc  
 QD513 conversation recall improved- pc  
 QD514 conversation recall worse- pc  
 QD515 rate remembering own phone num- pc  
 QD516 remembering own phone num improve- pc  
 QD517 remembering own phone num worse- pc  
 QD518 rate remembering current dy/mo- pc  
 QD519 remembering current dy/mo improve- pc  
 QD520 remembering current dy/mo worse- pc  
 QD521 rate remembering where things kept- pc  
 QD522 where things are kept improved- pc  
 QD523 where things are kept worse- pc

QD524 rate finding things in diff places- pc  
 QD525 finding things improved- pc  
 QD526 finding things worse- pc  
 QD527 rate working with familiar machines- pc  
 QD528 working with familiar machines impr- pc  
 QD529 working with familiar machines worse- pc  
 QD530 rate learning new machines- pc  
 QD531 learning new machines improved- pc  
 QD532 learning new machines worse- pc  
 QD533 rate learning new things in general- pc  
 QD534 learning ability improve- pc  
 QD535 learning ability worse- pc  
 QD536 rate ability to follow story- pc  
 QD537 ability to follow story improve- pc  
 QD538 ability to follow story worse- pc  
 QD539 rate making decisions- pc  
 QD540 make decisions improve- pc  
 QD541 make decisions worse- pc  
 QD542 rate handling shopping money- pc  
 QD543 handling shopping money improve- pc  
 QD544 handling shopping money worse- pc  
 QD545 rate handling finances- pc  
 QD546 handling finances improve- pc  
 QD547 handling finances worse- pc  
 QD548 rate handling daily arithmetic probs- pc  
 QD549 handling arithmetic problems improve- pc  
 QD550 handling arithmetic problems worse- pc  
 QD551 rate reasoning- pc  
 QD552 reasoning improve- pc  
 QD553 reasoning worse- pc

## Wave 15:

RA009 proxy/self interview  
 RD506 rate r at remembering things- pc  
 RD507 organization improved- pc  
 RD508 organization worse- pc  
 RD509 rate r at remembering recent events- pc  
 RD510 remembering recent events improved- pc  
 RD511 remembering recent events worse- pc  
 RD512 rate r at conversation recall- pc  
 RD513 conversation recall improved- pc  
 RD514 conversation recall worse- pc  
 RD515 rate remembering own phone num- pc  
 RD516 remembering own phone num improve- pc  
 RD517 remembering own phone num worse- pc  
 RD518 rate remembering current dy/mo- pc  
 RD519 remembering current dy/mo improve- pc  
 RD520 remembering current dy/mo worse- pc  
 RD521 rate remembering where things kept- pc  
 RD522 where things are kept improved- pc  
 RD523 where things are kept worse- pc  
 RD524 rate finding things in diff places- pc  
 RD525 finding things improved- pc  
 RD526 finding things worse- pc  
 RD527 rate working with familiar machines- pc  
 RD528 working with familiar machines impr- pc  
 RD529 working with familiar machines worse- pc  
 RD530 rate learning new machines- pc  
 RD531 learning new machines improved- pc  
 RD532 learning new machines worse- pc  
 RD533 rate learning new things in general- pc  
 RD534 learning ability improve- pc  
 RD535 learning ability worse- pc  
 RD536 rate ability to follow story- pc

RD537 ability to follow story improve- pc  
RD538 ability to follow story worse- pc  
RD539 rate making decisions- pc  
RD540 make decisions improve- pc  
RD541 make decisions worse- pc  
RD542 rate handling shopping money- pc  
RD543 handling shopping money improve- pc  
RD544 handling shopping money worse- pc  
RD545 rate handling finances- pc  
RD546 handling finances improve- pc  
RD547 handling finances worse- pc  
RD548 rate handling daily arithmetic probs- pc  
RD549 handling arithmetic problems improve- pc  
RD550 handling arithmetic problems worse- pc  
RD551 rate reasoning- pc  
RD552 reasoning improve- pc  
RD553 reasoning worse- pc

## **Section G: Family Structure**

<b>Number of Grandchildren and Great-Grandchildren</b>
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Wave	Variable	Label	Type
01	H1GRCHILD	h1grchild:w1 number of grandchildren	Cont
02	H2GRCHILD	h2grchild:w2 number of grandchildren	Cont
03	H3GRCHILD	h3grchild:w3 number of grandchildren	Cont
04	H4GRCHILD	h4grchild:w4 number of grandchildren	Cont
05	H5GRCHILD	h5grchild:w5 number of grandchildren	Cont
06	H6GRCHILD	h6grchild:w6 number of grandchildren	Cont
07	H7GRCHILD	h7grchild:w7 number of grandchildren	Cont
08	H8GRCHILD	h8grchild:w8 number of grandchildren	Cont
09	H9GRCHILD	h9grchild:w9 number of grandchildren	Cont
10	H10GRCHILD	h10grchild:w10 number of grandchildren	Cont
11	H11GRCHILD	h11grchild:w11 number of grandchildren	Cont
12	H12GRCHILD	h12grchild:w12 number of grandchildren	Cont
13	H13GRCHILD	h13grchild:w13 number of grandchildren	Cont
14	H14GRCHILD	h14grchild:w14 number of grandchildren	Cont
03	H3GGRCHILD	h3ggrchild:w3 number of great grandchildren	Cont
04	H4GGRCHILD	h4ggrchild:w4 number of great grandchildren	Cont
05	H5GGRCHILD	h5ggrchild:w5 number of great grandchildren	Cont
06	H6GGRCHILD	h6ggrchild:w6 number of great grandchildren	Cont
07	H7GGRCHILD	h7ggrchild:w7 number of great grandchildren	Cont
08	H8GGRCHILD	h8ggrchild:w8 number of great grandchildren	Cont
09	H9GGRCHILD	h9ggrchild:w9 number of great grandchildren	Cont
10	H10GGRCHILD	h10ggrchild:w10 number of great grandchildren	Cont
11	H11GGRCHILD	h11ggrchild:w11 number of great grandchildren	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
H1GRCHILD	6955	4.15	4.76	0.00	56.00
H2GRCHILD	19619	3.98	5.62	0.00	56.00
H3GRCHILD	17769	5.34	5.87	0.00	71.00
H4GRCHILD	21017	5.18	5.87	0.00	80.00
H5GRCHILD	19237	5.36	5.85	0.00	80.00
H6GRCHILD	16758	5.79	5.90	0.00	77.00
H7GRCHILD	18437	5.52	5.88	0.00	80.00
H8GRCHILD	18210	5.43	5.71	0.00	60.00
H9GRCHILD	16989	5.57	5.85	0.00	80.00
H10GRCHILD	21448	5.01	5.75	0.00	80.00
H11GRCHILD	20223	5.15	5.87	0.00	80.00
H12GRCHILD	18424	5.26	5.80	0.00	69.00
H13GRCHILD	20277	4.76	5.50	0.00	60.00
H14GRCHILD	16131	5.05	5.72	0.00	80.00
H3GGRCHILD	17675	1.35	4.01	0.00	75.00
H4GGRCHILD	20918	1.34	4.12	0.00	80.00
H5GGRCHILD	18711	1.42	4.10	0.00	80.00
H6GGRCHILD	16587	1.57	4.26	0.00	80.00
H7GGRCHILD	18329	1.48	4.16	0.00	80.00
H8GGRCHILD	18083	1.58	4.22	0.00	80.00
H9GGRCHILD	16770	1.75	4.36	0.00	80.00
H10GGRCHILD	21346	1.41	3.95	0.00	80.00
H11GGRCHILD	19914	1.53	4.20	0.00	80.00

**How Constructed:**

HwGRCHILD indicates the number of grandchildren the respondent and their spouse have. The family respondent is asked for the number of grandchildren the respondent and their spouse/partner have, including any biological, step-, or adopted children of the respondent's or their spouse/partner's children, altogether. HwGRCHILD is assigned a value of 0 if the family respondent reports having no children or grandchildren. HwGRCHILD is assigned a value of 80 if the family respondent reports having 80 or more grandchildren. In Wave 1, HwGRCHILD is assigned special missing .s if the respondent was not designated as a respondent for that section and so the question was not asked, and is assigned special missing .h if all of the respondent's children lived with the respondent and so the question was not asked. In Waves 6 and 7, HwGRCHILD is assigned special missing .e if there was an error in the preload or preceding questions for respondents without grandchildren in the previous wave that caused this question to not be asked. In Wave 14, HwGRCHILD is assigned special missing .f if there was no family respondent for the household, and assigned special missing .c if the respondent is not in contact with any children. Don't know, refused, or other missing responses of HwGRCHILD are assigned special missing codes .d, .r, .m, respectively. HwGRCHILD is set to plain missing (.) for respondents who did not respond to the current wave.

Please note that there is a variable in the RAND Family Longitudinal Kid-Level file, KwNKID, which could be summed to obtain the number of grandchildren for the respondent based on the report of the number of children each of the respondent's children have. We noticed some inconsistencies between the two numbers and have presented the direct report of grandchildren over the summed number of grandchildren to be more consistent with how this information is collected in other HRS family surveys and harmonized in their respective datasets.

HwGGRCHILD indicates the number of great-grandchildren the respondent and their spouse have. The family respondent is first asked whether the respondent and their spouse have any great-grandchildren, and if so, how many great-grandchildren they have. HwGGRCHILD is assigned a value of 0 if the family respondent reports having no children, grandchildren, or great-grandchildren. HwGGRCHILD is assigned a value of 80 if the family respondent reports having 80 or more great-grandchildren. Don't know, refused, or other missing responses of HwGGRCHILD are assigned special missing codes .d, .r, .m, respectively. In Waves 6 and 7, HwGGRCHILD is assigned special missing .e if there was an error in the preload or preceding questions for respondents without grandchildren in the previous wave that caused the number of grandchildren and great-grandchildren to not be asked. HwGGRCHILD is set to plain missing (.) for respondents who did not respond to the current wave. HwGGRCHILD is only available in Waves 3 through 11.

Due to missing information in the current version of the raw variables, we will not provide H15GRCHILD or H15GGRCHILD until the final version of the HRS data for Wave 15 becomes available.

## Cross Wave Differences in HRS

In Wave 1, the family respondent is not asked about the number of grandchildren if the respondent was not designated to respond to that section or if the respondent had no children that were living outside of the respondent's home. Starting in Wave 4, the family respondent is not asked about having grandchildren if it is assumed the respondent had no grandchildren, meaning if the respondent had been interviewed previously, reported having no grandchildren in the previous wave and reported having no new grandchildren in the current wave, or if the respondent had not been interviewed previously and reported having no living children and no children ever born.

The family respondent is not asked about the number of great-grandchildren in Wave 1 or the HRS or AHEAD cohorts in Wave 2. In the AHEAD cohort in Wave 3 these questions are asked of all family respondents. In the HRS cohort in Wave 3, these questions are not asked if the family respondent reports having no grandchildren, in which case it is assumed that they also have no great-grandchildren. In HRS Wave 4, these questions are not asked if the family respondent reports having no grandchildren or it is assumed that they have no grandchildren, in which case it is also assumed that they have no great-grandchildren. In Waves 5 through 11 and starting again in Wave 15, these questions are not asked if they had no grandchildren at the last wave and report having no new grandchildren in the current wave, in which case it is assumed that they have no great-grandchildren. These questions are not asked at all in Waves 12 through 14. Starting in Wave 15, if the family reports having grandchildren but having no new grandchildren this wave, then this question is not asked.

Starting in Wave 4, the HRS instructs the interviewer to code the number of grandchildren and great-grandchildren as 80 if the family respondent reports having more than 80 grandchildren or great-grandchildren, respectively.

In Wave 6, if the preload is missing but the respondent reports having no grandchildren in the previous wave, then the family respondent is not asked the number of grandchildren or great-grandchildren in the current wave. In Wave 7, if the preload indicates that the respondent had no grandchildren in the previous wave but the family respondent is not asked whether they have any new grandchildren in the current wave, then the family respondent is also not asked the number of grandchildren or great-grandchildren in the current wave.

In Waves 14 and 15, the respondent is not asked about the number of grandchildren if there is no family respondent for the household or if the respondent is not in contact with any children. While this appears to be the same skip pattern present in earlier waves, there is a higher frequency of these occurrences in Wave 14 necessitating the use of special missing values.

### HRS Variables Used:

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RAND HRS:
  H14ANYFAM      h14anyfam:w14 whether any famr in hh
  H14CHILD       h14child:w14 number of living children r/p
  H15ANYFAM      h15anyfam:w15 whether any famr in hh
  H15CHILD       h15child:w15 number of living children r/p
Wave 1:
  V1202          e19:children not at :imp
  V1539          e41:# of grandchildr:imp
  V901           e1:ckpt:mal r w/fem h/p
Wave 2 AHEAD:
  B466           d37. # grandkids
Wave 2 HRS:
  W904           e34. no of grandchildren
Wave 3 AHEAD:
  D1443          d40. # grandchildren idfm
  D1449          d42a. #great-grandchildren
Wave 3 HRS:
  E1413          d40. # grandchildren idfm
  E1418          d42. great-grandchildren
Wave 4:
  F1819          d40. # grandchildren idfm
  F1820          d42. great-grandchildren
  F1821          d42a. #great-grandchildren
Wave 5:
  G1989          d04.new grandchildren
  G2035          d40. # grandchildren idfm
  G2036          d42. great-grandchildren
  G2037          d42a. #great-grandchildren
  G249           pr249.prev wave number of grandchildren
Wave 6:
  HE022          new grandchildren
  HE046          # grandchildren total
  HE047          great-grandchildren
  HE048          #great-grandchildren
  HZ114          prev wave number of grandchildren
Wave 7:
  JE022          new grandchildren
  JE046          # grandchildren total
  JE047          great-grandchildren
  JE048          #great-grandchildren
  JZ114          prev wave number of grandchildren
Wave 8:
  KE022          new grandchildren
  KE046          # grandchildren total
  KE047          great-grandchildren
  KE048          #great-grandchildren
  KZ114          prev wave number of grandchildren
Wave 9:
  LE022          new grandchildren

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LE046      # grandchildren total
LE047      great-grandchildren
LE048      #great-grandchildren
LZ114      prev wave number of grandchildren
Wave 10:
ME022      new grandchildren
ME046      # grandchildren total
ME047      great-grandchildren
ME048      #great-grandchildren
MZ114      prev wave number of grandchildren
Wave 11:
NE022      new grandchildren
NE046      # grandchildren total
NE047      great-grandchildren
NE048      #great-grandchildren
NZ114      prev wave number of grandchildren
Wave 12:
OE022      new grandchildren
OE046      # grandchildren total
OZ114      prev wave number of grandchildren
Wave 13:
PE022      new grandchildren
PE046      # grandchildren total
PZ114      prev wave number of grandchildren
Wave 14:
QA106      count of contact kids
QE022      new grandchildren
QE046      # grandchildren total
QZ114      prev wave number of grandchildren
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<b>Parental SES: Education</b>
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Wave	Variable	Label	Type
0A	RAMOMEDUCL	ramomeducl:r mother harmonized education level	Categ
01	S1MOMEDUCL	s1momeducl:w1 s mother harmonized education level	Categ
02	S2MOMEDUCL	s2momeducl:w2 s mother harmonized education level	Categ
03	S3MOMEDUCL	s3momeducl:w3 s mother harmonized education level	Categ
04	S4MOMEDUCL	s4momeducl:w4 s mother harmonized education level	Categ
05	S5MOMEDUCL	s5momeducl:w5 s mother harmonized education level	Categ
06	S6MOMEDUCL	s6momeducl:w6 s mother harmonized education level	Categ
07	S7MOMEDUCL	s7momeducl:w7 s mother harmonized education level	Categ
08	S8MOMEDUCL	s8momeducl:w8 s mother harmonized education level	Categ
09	S9MOMEDUCL	s9momeducl:w9 s mother harmonized education level	Categ
10	S10MOMEDUCL	s10momeducl:w10 s mother harmonized education level	Categ
11	S11MOMEDUCL	s11momeducl:w11 s mother harmonized education level	Categ
12	S12MOMEDUCL	s12momeducl:w12 s mother harmonized education level	Categ
13	S13MOMEDUCL	s13momeducl:w13 s mother harmonized education level	Categ
14	S14MOMEDUCL	s14momeducl:w14 s mother harmonized education level	Categ
15	S15MOMEDUCL	s15momeducl:w15 s mother harmonized education level	Categ
0A	RADADEDUCL	radadeducl:r father harmonized education level	Categ
01	S1DADEDUCL	s1dadeducl:w1 s father harmonized education level	Categ
02	S2DADEDUCL	s2dadeducl:w2 s father harmonized education level	Categ
03	S3DADEDUCL	s3dadeducl:w3 s father harmonized education level	Categ
04	S4DADEDUCL	s4dadeducl:w4 s father harmonized education level	Categ
05	S5DADEDUCL	s5dadeducl:w5 s father harmonized education level	Categ
06	S6DADEDUCL	s6dadeducl:w6 s father harmonized education level	Categ
07	S7DADEDUCL	s7dadeducl:w7 s father harmonized education level	Categ
08	S8DADEDUCL	s8dadeducl:w8 s father harmonized education level	Categ
09	S9DADEDUCL	s9dadeducl:w9 s father harmonized education level	Categ
10	S10DADEDUCL	s10dadeducl:w10 s father harmonized education level	Categ
11	S11DADEDUCL	s11dadeducl:w11 s father harmonized education level	Categ
12	S12DADEDUCL	s12dadeducl:w12 s father harmonized education level	Categ
13	S13DADEDUCL	s13dadeducl:w13 s father harmonized education level	Categ
14	S14DADEDUCL	s14dadeducl:w14 s father harmonized education level	Categ
15	S15DADEDUCL	s15dadeducl:w15 s father harmonized education level	Categ
0A	RAMOMEDUC8	ramomeduc8:r mother attained 8+ years of education	Categ
01	S1MOMEDUC8	s1momeduc8:w1 s mother attained 8+ years of education	Categ
02	S2MOMEDUC8	s2momeduc8:w2 s mother attained 8+ years of education	Categ
03	S3MOMEDUC8	s3momeduc8:w3 s mother attained 8+ years of education	Categ
04	S4MOMEDUC8	s4momeduc8:w4 s mother attained 8+ years of education	Categ
05	S5MOMEDUC8	s5momeduc8:w5 s mother attained 8+ years of education	Categ
06	S6MOMEDUC8	s6momeduc8:w6 s mother attained 8+ years of education	Categ
07	S7MOMEDUC8	s7momeduc8:w7 s mother attained 8+ years of education	Categ
08	S8MOMEDUC8	s8momeduc8:w8 s mother attained 8+ years of education	Categ
09	S9MOMEDUC8	s9momeduc8:w9 s mother attained 8+ years of education	Categ
10	S10MOMEDUC8	s10momeduc8:w10 s mother attained 8+ years of education	Categ
11	S11MOMEDUC8	s11momeduc8:w11 s mother attained 8+ years of education	Categ
12	S12MOMEDUC8	s12momeduc8:w12 s mother attained 8+ years of education	Categ
13	S13MOMEDUC8	s13momeduc8:w13 s mother attained 8+ years of education	Categ
14	S14MOMEDUC8	s14momeduc8:w14 s mother attained 8+ years of education	Categ
15	S15MOMEDUC8	s15momeduc8:w15 s mother attained 8+ years of education	Categ
0A	RADADEDUC8	radadeduc8:r father attained 8+ years of education	Categ
01	S1DADEDUC8	s1dadeduc8:w1 s father attained 8+ years of education	Categ

02	S2DADEDUC8	s2dadeduc8:w2	s	father attained 8+ years of education	Categ
03	S3DADEDUC8	s3dadeduc8:w3	s	father attained 8+ years of education	Categ
04	S4DADEDUC8	s4dadeduc8:w4	s	father attained 8+ years of education	Categ
05	S5DADEDUC8	s5dadeduc8:w5	s	father attained 8+ years of education	Categ
06	S6DADEDUC8	s6dadeduc8:w6	s	father attained 8+ years of education	Categ
07	S7DADEDUC8	s7dadeduc8:w7	s	father attained 8+ years of education	Categ
08	S8DADEDUC8	s8dadeduc8:w8	s	father attained 8+ years of education	Categ
09	S9DADEDUC8	s9dadeduc8:w9	s	father attained 8+ years of education	Categ
10	S10DADEDUC8	s10dadeduc8:w10	s	father attained 8+ years of education	Categ
11	S11DADEDUC8	s11dadeduc8:w11	s	father attained 8+ years of education	Categ
12	S12DADEDUC8	s12dadeduc8:w12	s	father attained 8+ years of education	Categ
13	S13DADEDUC8	s13dadeduc8:w13	s	father attained 8+ years of education	Categ
14	S14DADEDUC8	s14dadeduc8:w14	s	father attained 8+ years of education	Categ
15	S15DADEDUC8	s15dadeduc8:w15	s	father attained 8+ years of education	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAMOMEDUCL	30411	1.58	0.63	1.00	3.00
S1MOMEDUCL	9029	1.44	0.58	1.00	3.00
S2MOMEDUCL	8084	1.44	0.58	1.00	3.00
S3MOMEDUCL	7548	1.45	0.59	1.00	3.00
S4MOMEDUCL	10020	1.49	0.60	1.00	3.00
S5MOMEDUCL	9567	1.49	0.60	1.00	3.00
S6MOMEDUCL	9049	1.50	0.60	1.00	3.00
S7MOMEDUCL	10684	1.55	0.61	1.00	3.00
S8MOMEDUCL	9873	1.56	0.61	1.00	3.00
S9MOMEDUCL	9163	1.56	0.61	1.00	3.00
S10MOMEDUCL	12043	1.61	0.63	1.00	3.00
S11MOMEDUCL	11233	1.62	0.63	1.00	3.00
S12MOMEDUCL	9998	1.62	0.64	1.00	3.00
S13MOMEDUCL	10805	1.67	0.64	1.00	3.00
S14MOMEDUCL	8662	1.68	0.64	1.00	3.00
S15MOMEDUCL	7841	1.70	0.65	1.00	3.00
RADADEDUCL	27845	1.58	0.69	1.00	3.00
S1DADEDUCL	8776	1.43	0.62	1.00	3.00
S2DADEDUCL	7855	1.43	0.62	1.00	3.00
S3DADEDUCL	7341	1.44	0.63	1.00	3.00
S4DADEDUCL	9550	1.47	0.64	1.00	3.00
S5DADEDUCL	9117	1.47	0.64	1.00	3.00
S6DADEDUCL	8619	1.48	0.64	1.00	3.00
S7DADEDUCL	10113	1.53	0.67	1.00	3.00
S8DADEDUCL	9353	1.54	0.66	1.00	3.00
S9DADEDUCL	8670	1.54	0.66	1.00	3.00
S10DADEDUCL	11206	1.59	0.69	1.00	3.00
S11DADEDUCL	10455	1.60	0.69	1.00	3.00
S12DADEDUCL	9282	1.61	0.70	1.00	3.00
S13DADEDUCL	9955	1.66	0.71	1.00	3.00
S14DADEDUCL	7997	1.68	0.71	1.00	3.00
S15DADEDUCL	7277	1.71	0.72	1.00	3.00
RAMOMEDUC8	37634	0.71	0.45	0.00	1.00
S1MOMEDUC8	9008	0.76	0.43	0.00	1.00
S2MOMEDUC8	11826	0.69	0.46	0.00	1.00
S3MOMEDUC8	10820	0.71	0.45	0.00	1.00
S4MOMEDUC8	12594	0.74	0.44	0.00	1.00
S5MOMEDUC8	11493	0.75	0.43	0.00	1.00
S6MOMEDUC8	10506	0.76	0.43	0.00	1.00

S7MOMEDUC8	11781	0.78	0.41	0.00	1.00
S8MOMEDUC8	10655	0.79	0.41	0.00	1.00
S9MOMEDUC8	9724	0.80	0.40	0.00	1.00
S10MOMEDUC8	12377	0.79	0.40	0.00	1.00
S11MOMEDUC8	11458	0.79	0.41	0.00	1.00
S12MOMEDUC8	10138	0.79	0.41	0.00	1.00
S13MOMEDUC8	10870	0.76	0.43	0.00	1.00
S14MOMEDUC8	8693	0.76	0.43	0.00	1.00
S15MOMEDUC8	7860	0.77	0.42	0.00	1.00
RADADEDUC8	35029	0.66	0.47	0.00	1.00
S1DADEDUC8	8743	0.71	0.46	0.00	1.00
S2DADEDUC8	11574	0.65	0.48	0.00	1.00
S3DADEDUC8	10587	0.66	0.47	0.00	1.00
S4DADEDUC8	12088	0.68	0.46	0.00	1.00
S5DADEDUC8	11022	0.70	0.46	0.00	1.00
S6DADEDUC8	10057	0.71	0.46	0.00	1.00
S7DADEDUC8	11190	0.73	0.44	0.00	1.00
S8DADEDUC8	10126	0.74	0.44	0.00	1.00
S9DADEDUC8	9229	0.74	0.44	0.00	1.00
S10DADEDUC8	11532	0.75	0.43	0.00	1.00
S11DADEDUC8	10674	0.75	0.43	0.00	1.00
S12DADEDUC8	9395	0.75	0.43	0.00	1.00
S13DADEDUC8	10000	0.72	0.45	0.00	1.00
S14DADEDUC8	8014	0.73	0.45	0.00	1.00
S15DADEDUC8	7282	0.73	0.44	0.00	1.00

## Categorical Variable Codes

Value-----	RAMOMEDUCL
.a:not in survey when asked	8246
.d:DK	2485
.m:Missing	1122
.o:other	131
.r:Refuse	11
1.Less than upper secondary	15022
2.upper secondary & vocatio	13076
3.tertiary	2313

Value-----	S1MOMEDUCL	S2MOMEDUCL	S3MOMEDUCL	S4MOMEDUCL	S5MOMEDUCL
.a:not in survey when asked		4233	3676	2883	2153
.d:DK	46	66	48	463	480
.m:Missing	823	703	642	594	512
.o:other	1	1	1	17	16
.r:Refuse	1	1	1	1	2
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
1.Less than upper secondary	5477	4868	4538	5670	5366
2.upper secondary & vocatio	3139	2839	2646	3809	3675
3.tertiary	413	377	364	541	526

Value-----	S6MOMEDUCL	S7MOMEDUCL	S8MOMEDUCL	S9MOMEDUCL	S10MOMEDUCL
.a:not in survey when asked	1618	1222	889	645	399
.d:DK	486	628	585	515	781
.m:Missing	458	403	355	291	247
.o:other	18	29	24	24	35
.r:Refuse	3	2	2	2	3
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Less than upper secondary	5037	5481	4989	4590	5648
2.upper secondary & vocatio	3502	4520	4242	3970	5432
3.tertiary	510	683	642	603	963

Value-----	S11MOMEDUCL	S12MOMEDUCL	S13MOMEDUCL	S14MOMEDUCL	S15MOMEDUCL
.a:not in survey when asked	269	175	94	45	29
.d:DK	744	662	732	529	502
.m:Missing	194	142	100	76	54
.o:other	34	33	44	43	39

.r:Refuse	2	2	3	3	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Less than upper secondary	5238	4628	4631	3608	3153
2.upper secondary & vocatio	5079	4528	5140	4196	3851
3.tertiary	916	842	1034	858	837

Value-----	RADADEDUCL
.a:not in survey when asked	8246
.d:DK	2888
.m:Missing	1179
.o:other	146
.r:Refuse	15
.s:father not around/alive	2087
1.Less than upper secondary	14991
2.upper secondary & vocatio	9693
3.tertiary	3161

Value-----	S1DADEDUCL	S2DADEDUCL	S3DADEDUCL	S4DADEDUCL	S5DADEDUCL
.a:not in survey when asked		4233	3676	2883	2153
.d:DK	42	65	50	460	480
.m:Missing	844	701	636	581	512
.o:other	1			10	16
.r:Refuse				1	1
.s:father not around/alive	237	234	213	493	451
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
1.Less than upper secondary	5613	5000	4663	5859	5563
2.upper secondary & vocatio	2542	2297	2133	2929	2827
3.tertiary	621	558	545	762	727

Value-----	S6DADEDUCL	S7DADEDUCL	S8DADEDUCL	S9DADEDUCL	S10DADEDUCL
.a:not in survey when asked	1618	1222	889	645	399
.d:DK	472	657	615	552	927
.m:Missing	472	419	361	304	261
.o:other	16	25	19	22	35
.r:Refuse	3	5	5	4	5
.s:father not around/alive	432	527	486	443	675
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.Less than upper secondary	5193	5714	5228	4797	5854
2.upper secondary & vocatio	2721	3408	3235	3042	4050
3.tertiary	705	991	890	831	1302

Value-----	S11DADEDUCL	S12DADEDUCL	S13DADEDUCL	S14DADEDUCL	S15DADEDUCL
.a:not in survey when asked	269	175	94	45	29
.d:DK	881	792	906	670	623
.m:Missing	210	161	124	83	51
.o:other	37	35	55	53	46
.r:Refuse	3	3	4	4	4
.s:father not around/alive	621	564	640	506	436
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Less than upper secondary	5414	4723	4794	3750	3280
2.upper secondary & vocatio	3804	3416	3769	3081	2848
3.tertiary	1237	1143	1392	1166	1149

Value-----	RAMOMEDUC8
.a:not in survey when asked	1113
.d:DK	3424
.m:Missing	90
.o:other	131
.r:Refuse	14
0.no	10993
1.yes	26641

Value-----	S1MOMEDUC8	S2MOMEDUC8	S3MOMEDUC8	S4MOMEDUC8	S5MOMEDUC8
.a:not in survey when asked		840	748	649	563
.d:DK	9	421	347	704	648
.m:Missing	883			12	8
.o:other				17	16
.r:Refuse		1	1	2	2
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	2205	3610	3142	3240	2856
1.yes	6803	8216	7678	9354	8637

Value-----	S6MOMEDUC8	S7MOMEDUC8	S8MOMEDUC8	S9MOMEDUC8	S10MOMEDUC8
.a:not in survey when asked	500	447	398	330	281
.d:DK	595	702	642	555	807
.m:Missing	10	7	7	5	5
.o:other	18	29	24	24	35
.r:Refuse	3	2	2	2	3
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	2494	2542	2221	1970	2552
1.yes	8012	9239	8434	7754	9825
Value-----	S11MOMEDUC8	S12MOMEDUC8	S13MOMEDUC8	S14MOMEDUC8	S15MOMEDUC8
.a:not in survey when asked	221	167	123	88	62
.d:DK	757	670	736	529	502
.m:Missing	4	2	2	2	2
.o:other	34	33	44	43	39
.r:Refuse	2	2	3	3	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	2393	2159	2631	2063	1839
1.yes	9065	7979	8239	6630	6021
Value-----	RADADEDUC8				
.a:not in survey when asked	1168				
.d:DK	3705				
.m:Missing	121				
.o:other	146				
.r:Refuse	15				
.s:father not around/alive	2222				
0.no	11839				
1.yes	23190				
Value-----	S1DADEDUC8	S2DADEDUC8	S3DADEDUC8	S4DADEDUC8	S5DADEDUC8
.a:not in survey when asked		1064	947	637	563
.d:DK	11	450	382	682	628
.m:Missing	1146			7	6
.o:other				10	16
.r:Refuse				1	1
.s:father not around/alive				553	494
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	2571	4093	3629	3809	3354
1.yes	6172	7481	6958	8279	7668
Value-----	S6DADEDUC8	S7DADEDUC8	S8DADEDUC8	S9DADEDUC8	S10DADEDUC8
.a:not in survey when asked	516	461	402	339	293
.d:DK	571	729	667	590	953
.m:Missing	7	5	5	4	3
.o:other	16	25	19	22	35
.r:Refuse	3	5	5	4	5
.s:father not around/alive	462	553	504	452	687
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	2962	3041	2656	2356	2867
1.yes	7095	8149	7470	6873	8665
Value-----	S11DADEDUC8	S12DADEDUC8	S13DADEDUC8	S14DADEDUC8	S15DADEDUC8
.a:not in survey when asked	235	183	144	95	59
.d:DK	897	803	912	671	623
.m:Missing	2	25	18	14	15
.o:other	37	35	55	53	46
.r:Refuse	3	3	4	4	4
.s:father not around/alive	628	568	645	507	437
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	2646	2309	2815	2193	1946
1.yes	8028	7086	7185	5821	5336

### How Constructed:

RAMOMEDUCL and RADADEDUCL identify the level of education the respondent's mother and father, respectively, completed according to a three-tier harmonized scale which we developed to compare education levels across countries. This harmonized education scale is a simplified version of 1997

International Standard Classification of Education (ISCED-97) codes. For more information on ISCED codes, see [www.uis.unesco.org](http://www.uis.unesco.org) and the OECD document entitled "Classifying Educational Programmes: Manual for ISCED-97 Implementation in OECD Countries, 1999 Edition". RAMOMEDUCL and RADADEDUCL are coded as follows: 1.Less than upper secondary education, 2.Upper secondary & vocational training, and 3.Tertiary education. If the respondent's parent's education was less than high school, equivalent to 0 to 11 years, then RAMOMEDUCL and RADADEDUCL are assigned a value of 1. If the respondent's parent's education was GED, High-school graduate, or some college, equivalent to 12 to 15 years, then RAMOMEDUCL and RADADEDUCL are assigned a value of 2. If the respondent's parent's education was college and above, equivalent to 16 or more years, then RAMOMEDUCL and RADADEDUCL are assigned a value of 3. Special missing .a is assigned if the respondent was interviewed in Waves 2 or 3, but was not interviewed when the questions were asked. Special missing .o is assigned if the response is something other than what was provided in the list. Special missing .s is assigned to RADADEDUCL if the respondent never lived with their father or their father was not alive. Don't know, refused, and other missing responses are coded as special missing .d, .r, .m, respectively.

RAMOMEDUCL and RADADEDUCL are available for Waves 1, 4, and thereafter.

SwMOMEDUCL and SwDADEDUCL indicate the current wave's spouse's mother's and father's level of completed education according to a three-tier harmonized scale. Their values are taken from the spouse's value to RAMOMEDUCL and RADADEDUCL. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. Plain missing (.) is assigned is the respondent's spouse did not respond to the current wave.

RAMOMEDUC8 and RADADEUC8 identify whether the respondent's mother and father, respectively, completed eight or more years of education. A value of one is assigned if the respondent's parent completed 8 or more years of education, and a value of zero is assigned if the respondent's parent did not. Special missing .a is assigned if the respondent was interviewed in the HRS cohorts for Waves 2 or 3, but was not interviewed when the questions were asked. Special missing .o is assigned if the response is something other than what was provided in the list. Special missing .s is assigned to RADADEUC8 if the respondent never lived with their father or their father was not alive. Don't know, refused, and other missing responses are coded as special missing .d, .r, .m, respectively.

SwMOMEDUC8 and SwDADEDUC8 indicate whether the current wave's spouse's mother and father completed eight or more years of education. Their values are taken from the spouse's value to RAMOMEDUC8 and RADADEUC8. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. Plain missing (.) is assigned is the respondent's spouse did not respond to the current wave.

## Cross Wave Differences in HRS

In Wave 1 the question HRS asks about the parents' level of education is: "What is the highest grade of school your father completed?" Answers are given in years of school, 0-17. In the AHEAD cohorts in Waves 2 and 3, the question is different from Wave 1 and asks: "Did your father/mother attend 8 years or more of school?" and the possible answers are "yes" and "no." No questions about the parents' levels of education are asked in the HRS cohorts in Waves 2 and 3. 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:

Wave 1:	
V212	a4:mother-highest grade
V213	a5:father-highest grade
Wave 4:	
F1000	a5.pa educ
F1001	a6.ma educ
F996	a4e. father lose job
Wave 5:	
G1083	a4e. father lose job
G1087	a5.pa educ

G1088	a6.ma educ
Wave 6:	
HB023	father unemployed during childhood
HB026	father education- highest grade
HB027	mother education- highest grade
Wave 7:	
JB023	father unemployed during childhood
JB026	father education- highest grade
JB027	mother education- highest grade
Wave 8:	
KB023	father unemployed during childhood
KB026	father education- highest grade
KB027	mother education- highest grade
Wave 9:	
LB023	father unemployed during childhood
LB026	father education- highest grade
LB027	mother education- highest grade
Wave 10:	
MB023	father unemployed during childhood
MB026	father education- highest grade
MB027	mother education- highest grade
Wave 11:	
NB023	father unemployed during childhood
NB026	father education- highest grade
NB027	mother education- highest grade
Wave 12:	
OB023	father unemployed during childhood
OB026	father education- highest grade
OB027	mother education- highest grade
Wave 13:	
PB023	father unemployed during childhood
PB026	father education- highest grade
PB027	mother education- highest grade
Wave 14:	
QB023	father unemployed during childhood
QB026	father education- highest grade
QB027	mother education- highest grade
Wave 15:	
RB023	father unemployed during childhood
RB026	father education- highest grade
RB027	mother education- highest grade



<b>Parental SES: Occupation</b>
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Wave	Variable	Label	Type
0A	RADADOCUP	radadoccup:r father's occupation at age 16	Categ
01	S1DADOCUP	s1dadoccup:w1 s father's occupation at age 16	Categ
02	S2DADOCUP	s2dadoccup:w2 s father's occupation at age 16	Categ
03	S3DADOCUP	s3dadoccup:w3 s father's occupation at age 16	Categ
04	S4DADOCUP	s4dadoccup:w4 s father's occupation at age 16	Categ
05	S5DADOCUP	s5dadoccup:w5 s father's occupation at age 16	Categ
06	S6DADOCUP	s6dadoccup:w6 s father's occupation at age 16	Categ
07	S7DADOCUP	s7dadoccup:w7 s father's occupation at age 16	Categ
08	S8DADOCUP	s8dadoccup:w8 s father's occupation at age 16	Categ
09	S9DADOCUP	s9dadoccup:w9 s father's occupation at age 16	Categ
10	S10DADOCUP	s10dadoccup:w10 s father's occupation at age 16	Categ
11	S11DADOCUP	s11dadoccup:w11 s father's occupation at age 16	Categ
12	S12DADOCUP	s12dadoccup:w12 s father's occupation at age 16	Categ
13	S13DADOCUP	s13dadoccup:w13 s father's occupation at age 16	Categ
14	S14DADOCUP	s14dadoccup:w14 s father's occupation at age 16	Categ
15	S15DADOCUP	s15dadoccup:w15 s father's occupation at age 16	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADADOCUP	32575	1.83	0.42	1.00	3.00
S1DADOCUP	7403	1.87	0.37	1.00	3.00
S2DADOCUP	9796	1.87	0.36	1.00	3.00
S3DADOCUP	9542	1.87	0.36	1.00	3.00
S4DADOCUP	12066	1.87	0.37	1.00	3.00
S5DADOCUP	11033	1.86	0.37	1.00	3.00
S6DADOCUP	10085	1.86	0.38	1.00	3.00
S7DADOCUP	11319	1.83	0.41	1.00	3.00
S8DADOCUP	10263	1.83	0.41	1.00	3.00
S9DADOCUP	9320	1.83	0.41	1.00	3.00
S10DADOCUP	11750	1.81	0.44	1.00	3.00
S11DADOCUP	10859	1.80	0.45	1.00	3.00
S12DADOCUP	9570	1.79	0.45	1.00	3.00
S13DADOCUP	10202	1.78	0.47	1.00	3.00
S14DADOCUP	8128	1.77	0.47	1.00	3.00
S15DADOCUP	7386	1.76	0.48	1.00	3.00

### Categorical Variable Codes

Value-----	RADADOCUP
.a:not in survey when asked	3398
.d:DK	904
.m:Missing	415
.n:father never worked/alwa	229
.r:Refuse	942
.s:father not around/alive	3943
1.white collar	6224
2.blue collar	25795
3.military	556

Value-----	S1DADOCUP	S2DADOCUP	S3DADOCUP	S4DADOCUP	S5DADOCUP
.a:not in survey when asked	857	1357	488		
.d:DK	325	396	401	504	449
.m:Missing	20	72	61	124	110
.n:father never worked/alwa	43	59	53	67	69
.r:Refuse	14	13	13	2	2

.s:father not around/alive	1238	1395	1358	1215	1067
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
1.white collar	1058	1365	1315	1757	1619
2.blue collar	6265	8345	8140	10178	9289
3.military	80	86	87	131	125
Value-----	S6DADOCUP	S7DADOCUP	S8DADOCUP	S9DADOCUP	S10DADOCUP
.d:DK	383	347	310	280	238
.m:Missing	95	103	82	73	124
.n:father never worked/alwa	62	65	60	54	73
.r:Refuse	31	110	104	96	335
.s:father not around/alive	976	1024	909	817	988
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.white collar	1489	2034	1855	1708	2516
2.blue collar	8471	9130	8257	7469	9006
3.military	125	155	151	143	228
Value-----	S11DADOCUP	S12DADOCUP	S13DADOCUP	S14DADOCUP	S15DADOCUP
.d:DK	227	191	153	100	80
.m:Missing	120	112	102	80	74
.n:father never worked/alwa	65	63	60	48	39
.r:Refuse	321	302	459	380	355
.s:father not around/alive	884	774	802	622	532
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.white collar	2378	2171	2495	2021	1922
2.blue collar	8272	7210	7487	5926	5290
3.military	209	189	220	181	174

## How Constructed:

RADADOCUP indicates the respondent's father's occupation when the respondent was 16. A code of 1 is assigned if the occupation is categorized as white collar, which includes management occupations, business and financial operations occupations, computer and mathematical occupations, architecture and engineering occupations, life, physical and social science occupations, community and social service occupations, legal occupations, education, training and library occupations, art, design, entertainment, sport and media occupations, healthcare practitioners and technical occupations, or healthcare support occupations. A code of 2 is assigned if the occupation is categorized as blue collar, which includes protective service occupations, food preparation and serving related occupations, building and grounds cleaning and maintenance occupations, personal care and service occupations, sales and related occupations, office, and administrative support occupations, construction and extraction occupations, installation, maintenance and repair occupations, production occupations, or transportation and material moving occupations. A code of 3 is assigned if the occupation was serving in the military. RADADOCUP takes the first reported father's occupation a respondent provides. Special missing .s is assigned if the respondent never lived with their father or their father was not alive. Special missing .n is assigned if the respondent's father never worked or was always disabled. Special missing .a is assigned if the respondent's father's occupation question was skipped because the respondent was not in the survey when the question was asked as the question was added in the HRS cohort in Wave 3. Don't know, refused, or other missing responses are assigned special missing values .d, .r, or .m, respectively.

SwDADOCUP indicates the current wave's spouse's father's occupation when the respondent was 16, and its values are taken from the spouse's values to RADADOCUP. In addition to the special missing codes used in RADADOCUP, SwDADOCUP employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed. Plain missing (.) is assigned is the respondent's spouse did not respond to the current wave.

## Cross Wave Differences in HRS

Questions related to father's occupation were added to the HRS in the HRS cohort in Wave 3. In Waves 3 through 10, there were separate categories for business operations specialists and financial specialists, which were combined into a single category of business and financial operations occupations starting in Wave 11. Also in Waves 3 through 10, there were separate categories for construction trades and extraction workers, which were combined into a single category of construction and extraction occupations starting in Wave 11.

**HRS Variables Used:**

Wave 3 AHEAD:  
 DN\_INHH dn\_inhh: # r's responding in hhold

Wave 3 HRS:  
 E222 cs.change to proxy/language  
 E528 which module  
 E5376 m-all.intro  
 E558 cs50.parents sendback  
 E5654M m1-6. type of work dad did

Wave 4:  
 F996 a4e. father lose job  
 F996 a4e. father lose job  
 F997AM a4f.father usual occupation - ahd masked  
 F997HM a4f.father usual occupation - hrs masked

Wave 5:  
 G1083 a4e. father lose job  
 G1084M a4f.father usual occupation - masked

Wave 6:  
 HB023 father unemployed during childhood  
 HB024M father usual occupation - masked

Wave 7:  
 JB023 father unemployed during childhood  
 JB024M father usual occupation - masked

Wave 8:  
 KB023 father unemployed during childhood  
 KB024M father usual occupation-masked

Wave 9:  
 LB023 father unemployed during childhood  
 LB024M father usual occupation-masked

Wave 10:  
 MB023 father unemployed during childhood  
 MB024M father usual occupation-masked

Wave 11:  
 NB023 father unemployed during childhood  
 NB024M father usual occupation-masked

Wave 12:  
 OB023 father unemployed during childhood  
 OB024M father usual occupation-masked

Wave 13:  
 PB023 father unemployed during childhood  
 PB024M father usual occupation-masked

Wave 14:  
 QB023 father unemployed during childhood  
 QB024M father usual occupation-masked

Wave 15:  
 RB023 father unemployed during childhood  
 RB024M father usual occupation-masked

<b>Living Arrangement: Who the Respondent Lives With</b>
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Wave	Variable	Label	Type
01	H1LVWITH	h1lvwith:w1 living arrangement	Categ
02	H2LVWITH	h2lvwith:w2 living arrangement	Categ
03	H3LVWITH	h3lvwith:w3 living arrangement	Categ
04	H4LVWITH	h4lvwith:w4 living arrangement	Categ
05	H5LVWITH	h5lvwith:w5 living arrangement	Categ
06	H6LVWITH	h6lvwith:w6 living arrangement	Categ
07	H7LVWITH	h7lvwith:w7 living arrangement	Categ
08	H8LVWITH	h8lvwith:w8 living arrangement	Categ
09	H9LVWITH	h9lvwith:w9 living arrangement	Categ
10	H10LVWITH	h10lvwith:w10 living arrangement	Categ
11	H11LVWITH	h11lvwith:w11 living arrangement	Categ
12	H12LVWITH	h12lvwith:w12 living arrangement	Categ
13	H13LVWITH	h13lvwith:w13 living arrangement	Categ
14	H14LVWITH	h14lvwith:w14 living arrangement	Categ
15	H15LVWITH	h15lvwith:w15 living arrangement	Categ
01	H1LVALONE	h1lvalone:w1 lives alone	Categ
02	H2LVALONE	h2lvalone:w2 lives alone	Categ
03	H3LVALONE	h3lvalone:w3 lives alone	Categ
04	H4LVALONE	h4lvalone:w4 lives alone	Categ
05	H5LVALONE	h5lvalone:w5 lives alone	Categ
06	H6LVALONE	h6lvalone:w6 lives alone	Categ
07	H7LVALONE	h7lvalone:w7 lives alone	Categ
08	H8LVALONE	h8lvalone:w8 lives alone	Categ
09	H9LVALONE	h9lvalone:w9 lives alone	Categ
10	H10LVALONE	h10lvalone:w10 lives alone	Categ
11	H11LVALONE	h11lvalone:w11 lives alone	Categ
12	H12LVALONE	h12lvalone:w12 lives alone	Categ
13	H13LVALONE	h13lvalone:w13 lives alone	Categ
14	H14LVALONE	h14lvalone:w14 lives alone	Categ
15	H15LVALONE	h15lvalone:w15 lives alone	Categ
01	H1LVSPOUS	h1lvspous:w1 lives with spouse only	Categ
02	H2LVSPOUS	h2lvspous:w2 lives with spouse only	Categ
03	H3LVSPOUS	h3lvspous:w3 lives with spouse only	Categ
04	H4LVSPOUS	h4lvspous:w4 lives with spouse only	Categ
05	H5LVSPOUS	h5lvspous:w5 lives with spouse only	Categ
06	H6LVSPOUS	h6lvspous:w6 lives with spouse only	Categ
07	H7LVSPOUS	h7lvspous:w7 lives with spouse only	Categ
08	H8LVSPOUS	h8lvspous:w8 lives with spouse only	Categ
09	H9LVSPOUS	h9lvspous:w9 lives with spouse only	Categ
10	H10LVSPOUS	h10lvspous:w10 lives with spouse only	Categ
11	H11LVSPOUS	h11lvspous:w11 lives with spouse only	Categ
12	H12LVSPOUS	h12lvspous:w12 lives with spouse only	Categ
13	H13LVSPOUS	h13lvspous:w13 lives with spouse only	Categ
14	H14LVSPOUS	h14lvspous:w14 lives with spouse only	Categ
15	H15LVSPOUS	h15lvspous:w15 lives with spouse only	Categ
01	H1LVKIDS	h1lvkids:w1 lives with kids only	Categ
02	H2LVKIDS	h2lvkids:w2 lives with kids only	Categ
03	H3LVKIDS	h3lvkids:w3 lives with kids only	Categ
04	H4LVKIDS	h4lvkids:w4 lives with kids only	Categ
05	H5LVKIDS	h5lvkids:w5 lives with kids only	Categ
06	H6LVKIDS	h6lvkids:w6 lives with kids only	Categ
07	H7LVKIDS	h7lvkids:w7 lives with kids only	Categ
08	H8LVKIDS	h8lvkids:w8 lives with kids only	Categ
09	H9LVKIDS	h9lvkids:w9 lives with kids only	Categ

10	H10LVKIDS	h10lvkids:w10	lives with kids only	Categ
11	H11LVKIDS	h11lvkids:w11	lives with kids only	Categ
12	H12LVKIDS	h12lvkids:w12	lives with kids only	Categ
13	H13LVKIDS	h13lvkids:w13	lives with kids only	Categ
14	H14LVKIDS	h14lvkids:w14	lives with kids only	Categ
15	H15LVKIDS	h15lvkids:w15	lives with kids only	Categ
01	H1LVSPKID	h1lvspkid:w1	lives with spouse and kids	Categ
02	H2LVSPKID	h2lvspkid:w2	lives with spouse and kids	Categ
03	H3LVSPKID	h3lvspkid:w3	lives with spouse and kids	Categ
04	H4LVSPKID	h4lvspkid:w4	lives with spouse and kids	Categ
05	H5LVSPKID	h5lvspkid:w5	lives with spouse and kids	Categ
06	H6LVSPKID	h6lvspkid:w6	lives with spouse and kids	Categ
07	H7LVSPKID	h7lvspkid:w7	lives with spouse and kids	Categ
08	H8LVSPKID	h8lvspkid:w8	lives with spouse and kids	Categ
09	H9LVSPKID	h9lvspkid:w9	lives with spouse and kids	Categ
10	H10LVSPKID	h10lvspkid:w10	lives with spouse and kids	Categ
11	H11LVSPKID	h11lvspkid:w11	lives with spouse and kids	Categ
12	H12LVSPKID	h12lvspkid:w12	lives with spouse and kids	Categ
13	H13LVSPKID	h13lvspkid:w13	lives with spouse and kids	Categ
14	H14LVSPKID	h14lvspkid:w14	lives with spouse and kids	Categ
15	H15LVSPKID	h15lvspkid:w15	lives with spouse and kids	Categ
01	H1LVOTHER	h1lvother:w1	lives with other people	Categ
02	H2LVOTHER	h2lvother:w2	lives with other people	Categ
03	H3LVOTHER	h3lvother:w3	lives with other people	Categ
04	H4LVOTHER	h4lvother:w4	lives with other people	Categ
05	H5LVOTHER	h5lvother:w5	lives with other people	Categ
06	H6LVOTHER	h6lvother:w6	lives with other people	Categ
07	H7LVOTHER	h7lvother:w7	lives with other people	Categ
08	H8LVOTHER	h8lvother:w8	lives with other people	Categ
09	H9LVOTHER	h9lvother:w9	lives with other people	Categ
10	H10LVOTHER	h10lvother:w10	lives with other people	Categ
11	H11LVOTHER	h11lvother:w11	lives with other people	Categ
12	H12LVOTHER	h12lvother:w12	lives with other people	Categ
13	H13LVOTHER	h13lvother:w13	lives with other people	Categ
14	H14LVOTHER	h14lvother:w14	lives with other people	Categ
15	H15LVOTHER	h15lvother:w15	lives with other people	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1LVWITH	12652	3.02	1.30	1.00	5.00
H2LVWITH	19386	2.47	1.27	1.00	5.00
H3LVWITH	17901	2.48	1.28	1.00	5.00
H4LVWITH	21359	2.49	1.30	1.00	5.00
H5LVWITH	19537	2.42	1.29	1.00	5.00
H6LVWITH	18164	2.37	1.27	1.00	5.00
H7LVWITH	20129	2.47	1.29	1.00	5.00
H8LVWITH	18469	2.43	1.30	1.00	5.00
H9LVWITH	17217	2.37	1.28	1.00	5.00
H10LVWITH	22033	2.60	1.38	1.00	5.00
H11LVWITH	20552	2.58	1.38	1.00	5.00
H12LVWITH	18745	2.56	1.39	1.00	5.00
H13LVWITH	20910	2.67	1.41	1.00	5.00
H14LVWITH	17141	2.61	1.40	1.00	5.00
H15LVWITH	15705	2.57	1.39	1.00	5.00
H1LVALONE	12652	0.09	0.29	0.00	1.00
H2LVALONE	19386	0.20	0.40	0.00	1.00
H3LVALONE	17901	0.21	0.41	0.00	1.00
H4LVALONE	21359	0.21	0.41	0.00	1.00

H5LVALONE	19537	0.23	0.42	0.00	1.00
H6LVALONE	18164	0.24	0.43	0.00	1.00
H7LVALONE	20129	0.22	0.41	0.00	1.00
H8LVALONE	18469	0.23	0.42	0.00	1.00
H9LVALONE	17217	0.25	0.43	0.00	1.00
H10LVALONE	22033	0.22	0.41	0.00	1.00
H11LVALONE	20552	0.23	0.42	0.00	1.00
H12LVALONE	18745	0.24	0.42	0.00	1.00
H13LVALONE	20910	0.23	0.42	0.00	1.00
H14LVALONE	17141	0.24	0.42	0.00	1.00
H15LVALONE	15705	0.24	0.43	0.00	1.00
H1LVSPOUS	12652	0.40	0.49	0.00	1.00
H2LVSPOUS	19386	0.50	0.50	0.00	1.00
H3LVSPOUS	17901	0.48	0.50	0.00	1.00
H4LVSPOUS	21359	0.47	0.50	0.00	1.00
H5LVSPOUS	19537	0.48	0.50	0.00	1.00
H6LVSPOUS	18164	0.49	0.50	0.00	1.00
H7LVSPOUS	20129	0.46	0.50	0.00	1.00
H8LVSPOUS	18469	0.47	0.50	0.00	1.00
H9LVSPOUS	17217	0.48	0.50	0.00	1.00
H10LVSPOUS	22033	0.41	0.49	0.00	1.00
H11LVSPOUS	20552	0.42	0.49	0.00	1.00
H12LVSPOUS	18745	0.41	0.49	0.00	1.00
H13LVSPOUS	20910	0.37	0.48	0.00	1.00
H14LVSPOUS	17141	0.38	0.48	0.00	1.00
H15LVSPOUS	15705	0.39	0.49	0.00	1.00
H1LVKIDS	12652	0.04	0.20	0.00	1.00
H2LVKIDS	19386	0.05	0.22	0.00	1.00
H3LVKIDS	17901	0.05	0.23	0.00	1.00
H4LVKIDS	21359	0.06	0.23	0.00	1.00
H5LVKIDS	19537	0.05	0.22	0.00	1.00
H6LVKIDS	18164	0.06	0.24	0.00	1.00
H7LVKIDS	20129	0.06	0.25	0.00	1.00
H8LVKIDS	18469	0.06	0.23	0.00	1.00
H9LVKIDS	17217	0.06	0.24	0.00	1.00
H10LVKIDS	22033	0.07	0.25	0.00	1.00
H11LVKIDS	20552	0.07	0.25	0.00	1.00
H12LVKIDS	18745	0.07	0.26	0.00	1.00
H13LVKIDS	20910	0.09	0.28	0.00	1.00
H14LVKIDS	17141	0.09	0.29	0.00	1.00
H15LVKIDS	15705	0.09	0.28	0.00	1.00
H1LVSPKID	12652	0.31	0.46	0.00	1.00
H2LVSPKID	19386	0.14	0.34	0.00	1.00
H3LVSPKID	17901	0.14	0.35	0.00	1.00
H4LVSPKID	21359	0.14	0.34	0.00	1.00
H5LVSPKID	19537	0.11	0.32	0.00	1.00
H6LVSPKID	18164	0.10	0.30	0.00	1.00
H7LVSPKID	20129	0.13	0.34	0.00	1.00
H8LVSPKID	18469	0.12	0.32	0.00	1.00
H9LVSPKID	17217	0.10	0.30	0.00	1.00
H10LVSPKID	22033	0.15	0.35	0.00	1.00
H11LVSPKID	20552	0.14	0.34	0.00	1.00
H12LVSPKID	18745	0.13	0.33	0.00	1.00
H13LVSPKID	20910	0.14	0.35	0.00	1.00
H14LVSPKID	17141	0.13	0.34	0.00	1.00
H15LVSPKID	15705	0.12	0.33	0.00	1.00
H1LVOTHER	12652	0.15	0.36	0.00	1.00
H2LVOTHER	19386	0.11	0.32	0.00	1.00
H3LVOTHER	17901	0.12	0.32	0.00	1.00

H4LVOTHER	21359	0.12	0.33	0.00	1.00
H5LVOTHER	19537	0.12	0.33	0.00	1.00
H6LVOTHER	18164	0.12	0.32	0.00	1.00
H7LVOTHER	20129	0.12	0.32	0.00	1.00
H8LVOTHER	18469	0.12	0.33	0.00	1.00
H9LVOTHER	17217	0.12	0.32	0.00	1.00
H10LVOTHER	22033	0.15	0.36	0.00	1.00
H11LVOTHER	20552	0.16	0.36	0.00	1.00
H12LVOTHER	18745	0.16	0.37	0.00	1.00
H13LVOTHER	20910	0.17	0.38	0.00	1.00
H14LVOTHER	17141	0.17	0.37	0.00	1.00
H15LVOTHER	15705	0.16	0.37	0.00	1.00

### Categorical Variable Codes

Value-----	H1LVWITH	H2LVWITH	H3LVWITH	H4LVWITH	H5LVWITH
.:Missing		256	90	25	41
1.Lives alone	1160	3848	3710	4503	4413
2.Lives with spouse only	5105	9647	8628	10139	9472
3.Lives with children only	543	1004	974	1200	1038
4.Lives with combination of	3949	2674	2481	2884	2240
5.Lives with other househol	1895	2213	2108	2633	2374

Value-----	H6LVWITH	H7LVWITH	H8LVWITH	H9LVWITH	H10LVWITH
.:Missing	1				1
1.Lives alone	4309	4437	4268	4241	4864
2.Lives with spouse only	8836	9347	8676	8182	9031
3.Lives with children only	1080	1296	1080	1022	1537
4.Lives with combination of	1826	2638	2156	1742	3240
5.Lives with other househol	2113	2411	2289	2030	3361

Value-----	H11LVWITH	H12LVWITH	H13LVWITH	H14LVWITH	H15LVWITH
.:Missing	2	2		5	26701
1.Lives alone	4657	4414	4732	4037	3750
2.Lives with spouse only	8535	7662	7714	6479	6149
3.Lives with children only	1359	1323	1842	1532	1367
4.Lives with combination of	2776	2378	3030	2234	1924
5.Lives with other househol	3225	2968	3592	2859	2515

Value-----	H1LVALONE	H2LVALONE	H3LVALONE	H4LVALONE	H5LVALONE
.:Missing		256	90	25	41
0.no	11492	15538	14191	16856	15124
1.yes	1160	3848	3710	4503	4413

Value-----	H6LVALONE	H7LVALONE	H8LVALONE	H9LVALONE	H10LVALONE
.:Missing	1				1
0.no	13855	15692	14201	12976	17169
1.yes	4309	4437	4268	4241	4864

Value-----	H11LVALONE	H12LVALONE	H13LVALONE	H14LVALONE	H15LVALONE
.:Missing	2	2	2	5	26701
0.no	15895	14331	16178	13104	11955
1.yes	4657	4414	4732	4037	3750

Value-----	H1LVSPOUS	H2LVSPOUS	H3LVSPOUS	H4LVSPOUS	H5LVSPOUS
.:Missing		256	90	25	41
0.no	7547	9739	9273	11220	10065
1.yes	5105	9647	8628	10139	9472

Value-----	H6LVSPOUS	H7LVSPOUS	H8LVSPOUS	H9LVSPOUS	H10LVSPOUS
.:Missing	1				1
0.no	9328	10782	9793	9035	13002
1.yes	8836	9347	8676	8182	9031

Value-----	H11LVSPOUS	H12LVSPOUS	H13LVSPOUS	H14LVSPOUS	H15LVSPOUS
.:Missing	2	2	2	5	26701
0.no	12017	11083	13196	10662	9556
1.yes	8535	7662	7714	6479	6149

Value-----	H1LVKIDS	H2LVKIDS	H3LVKIDS	H4LVKIDS	H5LVKIDS
.:Missing		256	90	25	41
0.no	12109	18382	16927	20159	18499

1.yes	543	1004	974	1200	1038
Value-----	H6LVKIDS	H7LVKIDS	H8LVKIDS	H9LVKIDS	H10LVKIDS
.m:Missing	1				1
0.no	17084	18833	17389	16195	20496
1.yes	1080	1296	1080	1022	1537
Value-----	H11LVKIDS	H12LVKIDS	H13LVKIDS	H14LVKIDS	H15LVKIDS
.m:Missing	2	2	2	5	26701
0.no	19193	17422	19068	15609	14338
1.yes	1359	1323	1842	1532	1367
Value-----	H1LVSPKID	H2LVSPKID	H3LVSPKID	H4LVSPKID	H5LVSPKID
.m:Missing		256	90	25	41
0.no	8703	16712	15420	18475	17297
1.yes	3949	2674	2481	2884	2240
Value-----	H6LVSPKID	H7LVSPKID	H8LVSPKID	H9LVSPKID	H10LVSPKID
.m:Missing	1				1
0.no	16338	17491	16313	15475	18793
1.yes	1826	2638	2156	1742	3240
Value-----	H11LVSPKID	H12LVSPKID	H13LVSPKID	H14LVSPKID	H15LVSPKID
.m:Missing	2	2	2	5	26701
0.no	17776	16367	17880	14907	13781
1.yes	2776	2378	3030	2234	1924
Value-----	H1LVOTHER	H2LVOTHER	H3LVOTHER	H4LVOTHER	H5LVOTHER
.m:Missing		256	90	25	41
0.no	10757	17173	15793	18726	17163
1.yes	1895	2213	2108	2633	2374
Value-----	H6LVOTHER	H7LVOTHER	H8LVOTHER	H9LVOTHER	H10LVOTHER
.m:Missing	1				1
0.no	16051	17718	16180	15187	18672
1.yes	2113	2411	2289	2030	3361
Value-----	H11LVOTHER	H12LVOTHER	H13LVOTHER	H14LVOTHER	H15LVOTHER
.m:Missing	2	2	2	5	26701
0.no	17327	15777	17318	14282	13190
1.yes	3225	2968	3592	2859	2515

### How Constructed:

HwLVWITH indicates the living arrangement of the household. A code of 1 indicates that the respondent lives alone. A code of 2 indicates that the respondent lives only with a spouse. A code of 3 indicates that the respondent lives only with children. A code of 4 indicates that the respondent lives with a spouse and children. A code of 5 indicates that the respondent lives with a combination of spouse, children and/or other household members. A code of 1 is assigned if there is only one household member (HwHHRES=1) and only one household respondent (HwHHRESP=1). A code of 2 is assigned if the respondent is married or partnered (RwMSTAT=1 or 3), and there are two household respondents (HwHHRESP=2) with no other individuals reported in the household roster that live in the house permanently, or there is one household respondent (HwHHRESP=1) with two individuals in the household (HwHHRES=2) and no children or other individuals living permanently in the household. A code of 3 is assigned if the respondent is not married or partnered, there is only one household respondent, and only children are reported as living permanently in the household roster. A code of 4 is assigned if the respondent is married or partnered, and children are reported as living permanently in the household roster, but no other people. A code of 5 is assigned if the respondent reports anyone other than a spouse or children living permanently in the household roster. This variable does not consider anyone who is living permanently or temporarily away from the household at the given wave. Don't know, refused, or other missing responses of HwLVWITH are assigned special missing codes .d, .r, .m, respectively. HwLVWITH is set to plain missing (.) for respondents who did not respond to the current wave.

HwLVALONE indicates whether the respondent lives alone. A code of 1 indicates that the respondent lives by themselves. A code of 0 indicates that the respondent lives with others. The respondent is considered to live alone if there is only one resident in the household (HwHHRES) and only one respondent in the household (HwHHRESP).

HwLVSPOUSE indicates whether the respondent lives only with a spouse. A code of 1 indicates that the respondent only lives with a spouse. A code of 0 indicates that the respondent does not live with a



spouse only or that the respondent lives alone. The respondent is considered to live with a spouse if the respondent reports being married or partnered, and reports living with a spouse when asked directly, and having no other household members.

HwLVKIDS indicates whether the respondent lives with children only. A code of 1 indicates that the respondent lives only with children. A code of 0 indicates that the respondent does not live with children only or that the respondent lives alone. The respondent is considered to live with children if there is at least one co-resident child (HwRESDKN), and the respondent is not living with a spouse or other household members.

HwLVSPKID indicates whether the respondent lives with a spouse and children. A code of 1 indicates that the respondent lives with a spouse and at least one child. A code of 0 indicates that the respondent lives with people other than a spouse and children only or that the respondent lives alone.

HwLVOTHER indicates whether the respondent lives with other people, besides a spouse and children. A code of 1 indicates that the respondent lives with at least one other person besides a spouse and children. A code of 0 indicates that the respondent does not live with any other people besides a spouse and/or children or that the respondent lives alone. The respondent is considered to live with other people if the respondent reports any other person living in the household, as reported in the HRS Preload HH Member Child file or the Wave 2 HHLIST file.

Don't know, refused, or other missing responses of HwLVALONE, HwLVSPOUS, HwLVKIDS, HwLVSPKID, and HwLVOTHER are assigned special missing codes .d, .r, .m, respectively. HwLVALONE, HwLVSPOUS, HwLVKIDS, HwLVSPKID, and HwLVOTHER are set to plain missing (.) for respondents who did not respond to the current wave.

Please note that there can be discrepancies between reports of household members in different locations in the HRS survey. As such, these variables are our best estimate as to the makeup of the respondent's household.

## Cross Wave Differences in HRS

In Wave 2, the relationship of the household member is carried forward from Wave 1 if the individual was not a new household member.

In Waves 1 and 2, children categories include: child (natural), adopted child, stepchild, child-in-law, foster child, child-na type. In Waves 3 through 5, children categories include: child, step/partner child, child-in-law. Starting in Wave 6, children categories include: son, stepson, spouse/partner of daughter, daughter, stepdaughter, spouse/partner of son, unlisted child or child-in-law, former step-child, former child-in-law, unknown child, unknown-in-law.

In Waves 1 and 2, other categories include: Grandchild, great grandchild, parent's and grandparents of the respondent or the respondent's spouse, siblings and siblings' children of the respondent or the respondent's spouse, parent's siblings and their children of the respondent or the respondent's spouse, non-relatives of the respondent and the respondent's spouse. In Waves 3 through 5, other categories include: grandkid, professional, sibling, sibling of spouse, parent or parent-in-law, other relative, other. Starting in Wave 6, other categories include: grandchild, father, father of spouse/partner, mother, mother of spouse/partner, r's parents, brother, brother of spouse/partner, sister, sister of spouse/partner, other relative, other individual, paid helper, professional, professional (specify), late spouse/partner, relationship unknown, spouse/partner of grandchild.

## HRS Variables Used:

RAND HRS:

H10HHRES	h10hhres:w10 number of people in hh
H10HHRESP	h10hhresp:w10 # core respondents in hh
H11HHRES	h11hhres:w11 number of people in hh
H11HHRESP	h11hhresp:w11 # core respondents in hh
H12HHRES	h12hhres:w12 number of people in hh
H12HHRESP	h12hhresp:w12 # core respondents in hh
H13HHRES	h13hhres:w13 number of people in hh
H13HHRESP	h13hhresp:w13 # core respondents in hh

H14HHRES	h14hhres:w14 number of people in hh
H14HHRESP	h14hhresp:w14 # core respondents in hh
H15HHRES	h15hhres:w15 number of people in hh
H15HHRESP	h15hhresp:w15 # core respondents in hh
H1HHRES	h1hhres:w1 number of people in hh
H1HHRESP	h1hhresp:w1 # core respondents in hh
H2HHRES	h2hhres:w2 number of people in hh
H2HHRESP	h2hhresp:w2 # core respondents in hh
H3HHRES	h3hhres:w3 number of people in hh
H3HHRESP	h3hhresp:w3 # core respondents in hh
H4HHRES	h4hhres:w4 number of people in hh
H4HHRESP	h4hhresp:w4 # core respondents in hh
H5HHRES	h5hhres:w5 number of people in hh
H5HHRESP	h5hhresp:w5 # core respondents in hh
H6HHRES	h6hhres:w6 number of people in hh
H6HHRESP	h6hhresp:w6 # core respondents in hh
H7HHRES	h7hhres:w7 number of people in hh
H7HHRESP	h7hhresp:w7 # core respondents in hh
H8HHRES	h8hhres:w8 number of people in hh
H8HHRESP	h8hhresp:w8 # core respondents in hh
H9HHRES	h9hhres:w9 number of people in hh
H9HHRESP	h9hhresp:w9 # core respondents in hh
R10MSTAT	r10mstat:w10 r marital status
R11MSTAT	r11mstat:w11 r marital status
R12MSTAT	r12mstat:w12 r marital status
R13MSTAT	r13mstat:w13 r marital status
R14MSTAT	r14mstat:w14 r marital status
R15MSTAT	r15mstat:w15 r marital status
R1MSTAT	r1mstat:w1 r marital status
R2MSTAT	r2mstat:w2 r marital status
R3MSTAT	r3mstat:w3 r marital status
R4MSTAT	r4mstat:w4 r marital status
R5MSTAT	r5mstat:w5 r marital status
R6MSTAT	r6mstat:w6 r marital status
R7MSTAT	r7mstat:w7 r marital status
R8MSTAT	r8mstat:w8 r marital status
R9MSTAT	r9mstat:w9 r marital status
Wave 1 HHLIST:	
V8303	relation to r1 code :hhl
Wave 2 AHEAD HHLIST:	
V418	D5D. HHM REL TO FAMILY R
V421	D6. HHM REL TO SPOUSE
Wave 2 HRS HHLIST:	
HHORDER	order in hh listing
W8301	rel to informant
W8307	moved out:year
Wave 3 AHEAD PR_MC:	
D10	hhmem rel to idfm
D11	hhmem rel to idnfm
D6	hhmem status w2
Wave 3 HRS PR_MC:	
E10	hhmem rel to family r
E11	hhmen rel to nonfam r
E6	updated hhmem status
Wave 4 PR_MC:	
F11A	hhmem rel to idfm - updated - corrected
F12	hhmem rel to idnfm - updated
F7	hhmem status
Wave 5 PR_MC:	
G11	hhmem rel to idfm - updated
G12	hhmem rel to idnfm - updated
G5	hhmem member res/nr stat
Wave 6 PR_MC:	

HX056_MC	residency status-updated
HX061_MC	relationship to r-updated
Wave 7 PR_MC:	
JX056_MC	residency status-updated
JX061_MC	relationship to r-updated
Wave 8 PR_MC:	
KX056_MC	residency status-updated
KX061_MC	relationship to r-updated
Wave 9 PR_MC:	
LX056_MC	residency status-updated
LX061_MC	relationship to r-updated
Wave 10 PR_MC:	
MX056_MC	residency status-updated
MX061_MC	relationship to r-updated
Wave 11 PR_MC:	
NX056_MC	residency status-updated
NX061_MC	relationship to r-updated
Wave 12 PR_MC:	
OX056_MC	residency status-updated
OX061_MC	relationship to r-updated
Wave 13 PR_MC:	
PX056_MC	residency status-updated
PX061_MC	relationship to r-updated
Wave 14 PR_MC:	
QX056_MC	RESIDENCY STATUS-UPDATED
QX061_MC	RELATIONSHIP TO R-UPDATED
Wave 15 PR_MC:	
RX056_MC	RESIDENCY STATUS-UPDATED
RX061_MC	RELATIONSHIP TO R-UPDATED

<b>Living Arrangement: Children in the Household</b>
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Wave	Variable	Label	Type
01	H1KIDU14	h1kidu14:w1 number children/grandchildren in hh under age 14	Cont
02	H2KIDU14	h2kidu14:w2 number children/grandchildren in hh under age 14	Cont
03	H3KIDU14	h3kidu14:w3 number children/grandchildren in hh under age 14	Cont
04	H4KIDU14	h4kidu14:w4 number children/grandchildren in hh under age 14	Cont
05	H5KIDU14	h5kidu14:w5 number children/grandchildren in hh under age 14	Cont
06	H6KIDU14	h6kidu14:w6 number children/grandchildren in hh under age 14	Cont
07	H7KIDU14	h7kidu14:w7 number children/grandchildren in hh under age 14	Cont
08	H8KIDU14	h8kidu14:w8 number children/grandchildren in hh under age 14	Cont
09	H9KIDU14	h9kidu14:w9 number children/grandchildren in hh under age 14	Cont
10	H10KIDU14	h10kidu14:w10 number children/grandchildren in hh under age	Cont
11	H11KIDU14	h11kidu14:w11 number children/grandchildren in hh under age	Cont
12	H12KIDU14	h12kidu14:w12 number children/grandchildren in hh under age	Cont
13	H13KIDU14	h13kidu14:w13 number children/grandchildren in hh under age	Cont
14	H14KIDU14	h14kidu14:w14 number children/grandchildren in hh under age	Cont
15	H15KIDU14	h15kidu14:w15 number children/grandchildren in hh under age	Cont
01	H1KIDU6	h1kidu6:w1 number children/grandchildren in hh under age 6	Cont
02	H2KIDU6	h2kidu6:w2 number children/grandchildren in hh under age 6	Cont
03	H3KIDU6	h3kidu6:w3 number children/grandchildren in hh under age 6	Cont
04	H4KIDU6	h4kidu6:w4 number children/grandchildren in hh under age 6	Cont
05	H5KIDU6	h5kidu6:w5 number children/grandchildren in hh under age 6	Cont
06	H6KIDU6	h6kidu6:w6 number children/grandchildren in hh under age 6	Cont
07	H7KIDU6	h7kidu6:w7 number children/grandchildren in hh under age 6	Cont
08	H8KIDU6	h8kidu6:w8 number children/grandchildren in hh under age 6	Cont
09	H9KIDU6	h9kidu6:w9 number children/grandchildren in hh under age 6	Cont
10	H10KIDU6	h10kidu6:w10 number children/grandchildren in hh under age 6	Cont
11	H11KIDU6	h11kidu6:w11 number children/grandchildren in hh under age 6	Cont
12	H12KIDU6	h12kidu6:w12 number children/grandchildren in hh under age 6	Cont
13	H13KIDU6	h13kidu6:w13 number children/grandchildren in hh under age 6	Cont
14	H14KIDU6	h14kidu6:w14 number children/grandchildren in hh under age 6	Cont
15	H15KIDU6	h15kidu6:w15 number children/grandchildren in hh under age 6	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1KIDU14	12652	0.20	0.63	0.00	8.00
H2KIDU14	19638	0.04	0.29	0.00	6.00
H3KIDU14	17991	0.06	0.34	0.00	7.00
H4KIDU14	21384	0.10	0.42	0.00	7.00
H5KIDU14	19578	0.09	0.42	0.00	7.00
H6KIDU14	18165	0.07	0.35	0.00	7.00
H7KIDU14	20129	0.09	0.41	0.00	6.00
H8KIDU14	18469	0.08	0.38	0.00	6.00
H9KIDU14	17217	0.07	0.36	0.00	6.00
H10KIDU14	22034	0.12	0.48	0.00	6.00
H11KIDU14	20554	0.11	0.45	0.00	7.00
H12KIDU14	18747	0.10	0.44	0.00	8.00
H13KIDU14	20912	0.13	0.49	0.00	8.00
H14KIDU14	17146	0.12	0.48	0.00	7.00
H15KIDU14	15723	0.10	0.44	0.00	6.00
H1KIDU6	12652	0.07	0.33	0.00	5.00
H2KIDU6	19638	0.02	0.18	0.00	4.00
H3KIDU6	17991	0.01	0.14	0.00	5.00
H4KIDU6	21384	0.03	0.19	0.00	4.00
H5KIDU6	19578	0.03	0.19	0.00	3.00

H6KIDU6	18165	0.02	0.17	0.00	5.00
H7KIDU6	20129	0.02	0.18	0.00	4.00
H8KIDU6	18469	0.02	0.17	0.00	4.00
H9KIDU6	17217	0.02	0.16	0.00	3.00
H10KIDU6	22034	0.03	0.23	0.00	5.00
H11KIDU6	20554	0.03	0.22	0.00	4.00
H12KIDU6	18747	0.03	0.22	0.00	4.00
H13KIDU6	20912	0.04	0.23	0.00	4.00
H14KIDU6	17146	0.03	0.21	0.00	4.00
H15KIDU6	15723	0.03	0.20	0.00	4.00

### How Constructed:

HwKIDU14 is the count of the number of the respondent's children and/or grandchildren who live in the household with the respondent and are below the age of 14 (aged 0 to 13). HwKIDU6 is the count of the number of the respondent's children and/or grandchildren who live in the household with the respondent and are below the age of 6 (aged 0 to 5). A value of 0 is assigned if the respondent does not live with any children of the appropriate age. Don't know, refused, or other missing responses of HwKIDU14 and HwKIDU6 are assigned special missing codes .d, .r, .m, respectively. HwKIDU14 and HwKIDU6 are set to plain missing (.) for respondents who did not respond to the current wave.

### Cross Wave Differences in HRS

The relationship specifications vary slightly by wave, with more detail usually available in later waves. In Wave 1 and the HRS cohort in Wave 2, it includes child (natural), adopted child, stepchild, foster child, grandchild (any), and great grandchild (any). In the AHEAD cohort in Wave 2, the AHEAD and HRS cohorts in Wave 3, and in Waves 4 and 5, it includes the respondent's child, step/partner child, or grandchild. In Waves 6 and onward, it includes the respondent's son, stepson, daughter, stepdaughter, grandchild, unlisted child or child-in-law, former step-child, or ambiguous child relationship.

### HRS Variables Used:

```
RAND HRS:
H10HHRES      h10hhres:w10 number of people in hh
H11HHRES      h11hhres:w11 number of people in hh
H12HHRES      h12hhres:w12 number of people in hh
H13HHRES      h13hhres:w13 number of people in hh
H14HHRES      h14hhres:w14 number of people in hh
H15HHRES      h15hhres:w15 number of people in hh
H1HHRES       h1hhres:w1  number of people in hh
H2HHRES       h2hhres:w2  number of people in hh
H3HHRES       h3hhres:w3  number of people in hh
H4HHRES       h4hhres:w4  number of people in hh
H5HHRES       h5hhres:w5  number of people in hh
H6HHRES       h6hhres:w6  number of people in hh
H7HHRES       h7hhres:w7  number of people in hh
H8HHRES       h8hhres:w8  number of people in hh
H9HHRES       h9hhres:w9  number of people in hh
R10IWENDY     r10iwendy:w10 interview end year
R11IWENDY     r11iwendy:w11 interview end year
R12IWENDY     r12iwendy:w12 interview end year
R13IWENDY     r13iwendy:w13 interview end year
R14IWENDY     r14iwendy:w14 interview end year
R15IWENDY     r15iwendy:w15 interview end year
R3IWENDY      r3iwendy:w3  interview end year
R4IWENDY      r4iwendy:w4  interview end year
R5IWENDY      r5iwendy:w5  interview end year
R6IWENDY      r6iwendy:w6  interview end year
R7IWENDY      r7iwendy:w7  interview end year
R8IWENDY      r8iwendy:w8  interview end year
R9IWENDY      r9iwendy:w9  interview end year
```

Wave 1 HHLIST:

```

V8303          relation to r1 code :hhl
V8305          age                  :hhl
Wave 2 AHEAD HHLIST:
V418          D5D. HHM REL TO FAMILY R
V422          D7. HHM AGE
Wave 2 HRS HHLIST:
W8301         rel to informant
W8303         age
W8308         why moved out
Wave 3 AHEAD PR_MC:
D10          hhmem rel to idfm
D17          hhmem w1 yr born
D6           hhmem status w2
Wave 3 HRS PR_MC:
E10          hhmem rel to family r
E17          hhmem prev wave r year born
E6           updated hhmem status
Wave 4 PR_MC:
F11A         hhmem rel to idfm - updated - corrected
F16          hhmem mem yr born - updated
F7           hhmem status
Wave 5 PR_MC:
G11          hhmem rel to idfm - updated
G16          hhmem mem yr born - updated
G7           hhmem status - updated
Wave 6 PR_MC:
HX056_MC     residency status-updated
HX061_MC     relationship to r-updated
HX067_MC     year born-updated
Wave 7 PR_MC:
JX056_MC     residency status-updated
JX061_MC     relationship to r-updated
JX067_MC     year born-updated - mc
Wave 8 PR_MC:
KX056_MC     residency status-updated
KX061_MC     relationship to r-updated
KX067_MC     year born-updated - mc
Wave 9 PR_MC:
LX056_MC     residency status-updated
LX061_MC     relationship to r-updated
LX067_MC     year born-updated - mc
Wave 10 PR_MC:
MX056_MC     residency status-updated
MX061_MC     relationship to r-updated
MX067_MC     year born-updated - mc
Wave 11 PR_MC:
NX056_MC     residency status-updated
NX061_MC     relationship to r-updated
NX067_MC     year born-updated - mc
Wave 12 PR_MC:
OX056_MC     residency status-updated
OX061_MC     relationship to r-updated
OX067_MC     year born-updated - mc
Wave 13 PR_MC:
PX056_MC     residency status-updated
PX061_MC     relationship to r-updated
PX067_MC     year born-updated - mc
Wave 14 PR_MC:
QX056_MC     RESIDENCY STATUS-UPDATED
QX061_MC     RELATIONSHIP TO R-UPDATED
QX067_MC     YEAR BORN-UPDATED - MC
Wave 15 PR_MC:
RX056_MC     RESIDENCY STATUS-UPDATED

```

RX061\_MC            RELATIONSHIP TO R-UPDATED  
RX067\_MC            YEAR BORN-UPDATED - MC

<b>Relationships: Whether Family Member Died Since Last Wave</b>
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Wave	Variable	Label	Type
02	R2WIDSLW	r2widslw:w2 whether r widowed since last wave	Categ
03	R3WIDSLW	r3widslw:w3 whether r widowed since last wave	Categ
04	R4WIDSLW	r4widslw:w4 whether r widowed since last wave	Categ
05	R5WIDSLW	r5widslw:w5 whether r widowed since last wave	Categ
06	R6WIDSLW	r6widslw:w6 whether r widowed since last wave	Categ
07	R7WIDSLW	r7widslw:w7 whether r widowed since last wave	Categ
08	R8WIDSLW	r8widslw:w8 whether r widowed since last wave	Categ
09	R9WIDSLW	r9widslw:w9 whether r widowed since last wave	Categ
10	R10WIDSLW	r10widslw:w10 whether r widowed since last wave	Categ
11	R11WIDSLW	r11widslw:w11 whether r widowed since last wave	Categ
12	R12WIDSLW	r12widslw:w12 whether r widowed since last wave	Categ
13	R13WIDSLW	r13widslw:w13 whether r widowed since last wave	Categ
14	R14WIDSLW	r14widslw:w14 whether r widowed since last wave	Categ
15	R15WIDSLW	r15widslw:w15 whether r widowed since last wave	Categ
02	S2WIDSLW	s2widslw:w2 whether s widowed since last wave	Categ
03	S3WIDSLW	s3widslw:w3 whether s widowed since last wave	Categ
04	S4WIDSLW	s4widslw:w4 whether s widowed since last wave	Categ
05	S5WIDSLW	s5widslw:w5 whether s widowed since last wave	Categ
06	S6WIDSLW	s6widslw:w6 whether s widowed since last wave	Categ
07	S7WIDSLW	s7widslw:w7 whether s widowed since last wave	Categ
08	S8WIDSLW	s8widslw:w8 whether s widowed since last wave	Categ
09	S9WIDSLW	s9widslw:w9 whether s widowed since last wave	Categ
10	S10WIDSLW	s10widslw:w10 whether s widowed since last wave	Categ
11	S11WIDSLW	s11widslw:w11 whether s widowed since last wave	Categ
12	S12WIDSLW	s12widslw:w12 whether s widowed since last wave	Categ
13	S13WIDSLW	s13widslw:w13 whether s widowed since last wave	Categ
14	S14WIDSLW	s14widslw:w14 whether s widowed since last wave	Categ
15	S15WIDSLW	s15widslw:w15 whether s widowed since last wave	Categ
02	R2PARDSLW	r2pardslw:w2 whether r parent died since last wave	Categ
03	R3PARDSLW	r3pardslw:w3 whether r parent died since last wave	Categ
04	R4PARDSLW	r4pardslw:w4 whether r parent died since last wave	Categ
05	R5PARDSLW	r5pardslw:w5 whether r parent died since last wave	Categ
06	R6PARDSLW	r6pardslw:w6 whether r parent died since last wave	Categ
07	R7PARDSLW	r7pardslw:w7 whether r parent died since last wave	Categ
08	R8PARDSLW	r8pardslw:w8 whether r parent died since last wave	Categ
09	R9PARDSLW	r9pardslw:w9 whether r parent died since last wave	Categ
10	R10PARDSLW	r10pardslw:w10 whether r parent died since last wave	Categ
11	R11PARDSLW	r11pardslw:w11 whether r parent died since last wave	Categ
12	R12PARDSLW	r12pardslw:w12 whether r parent died since last wave	Categ
13	R13PARDSLW	r13pardslw:w13 whether r parent died since last wave	Categ
14	R14PARDSLW	r14pardslw:w14 whether r parent died since last wave	Categ
15	R15PARDSLW	r15pardslw:w15 whether r parent died since last wave	Categ
02	S2PARDSLW	s2pardslw:w2 whether s parent died since last wave	Categ
03	S3PARDSLW	s3pardslw:w3 whether s parent died since last wave	Categ
04	S4PARDSLW	s4pardslw:w4 whether s parent died since last wave	Categ
05	S5PARDSLW	s5pardslw:w5 whether s parent died since last wave	Categ
06	S6PARDSLW	s6pardslw:w6 whether s parent died since last wave	Categ
07	S7PARDSLW	s7pardslw:w7 whether s parent died since last wave	Categ
08	S8PARDSLW	s8pardslw:w8 whether s parent died since last wave	Categ
09	S9PARDSLW	s9pardslw:w9 whether s parent died since last wave	Categ
10	S10PARDSLW	s10pardslw:w10 whether s parent died since last wave	Categ
11	S11PARDSLW	s11pardslw:w11 whether s parent died since last wave	Categ
12	S12PARDSLW	s12pardslw:w12 whether s parent died since last wave	Categ
13	S13PARDSLW	s13pardslw:w13 whether s parent died since last wave	Categ



14	S14PARDSLW	s14pardslw:w14 whether s parent died since last wave	Categ
15	S15PARDSLW	s15pardslw:w15 whether s parent died since last wave	Categ
03	H3CHIDSLW	h3chidslw:w3 whether child died since last wave	Categ
04	H4CHIDSLW	h4chidslw:w4 whether child died since last wave	Categ
05	H5CHIDSLW	h5chidslw:w5 whether child died since last wave	Categ
06	H6CHIDSLW	h6chidslw:w6 whether child died since last wave	Categ
07	H7CHIDSLW	h7chidslw:w7 whether child died since last wave	Categ
08	H8CHIDSLW	h8chidslw:w8 whether child died since last wave	Categ
09	H9CHIDSLW	h9chidslw:w9 whether child died since last wave	Categ
10	H10CHIDSLW	h10chidslw:w10 whether child died since last wave	Categ
11	H11CHIDSLW	h11chidslw:w11 whether child died since last wave	Categ
12	H12CHIDSLW	h12chidslw:w12 whether child died since last wave	Categ
13	H13CHIDSLW	h13chidslw:w13 whether child died since last wave	Categ
14	H14CHIDSLW	h14chidslw:w14 whether child died since last wave	Categ
15	H15CHIDSLW	h15chidslw:w15 whether child died since last wave	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2WIDSLW	12228	0.01	0.11	0.00	1.00
R3WIDSLW	18442	0.03	0.16	0.00	1.00
R4WIDSLW	17124	0.04	0.19	0.00	1.00
R5WIDSLW	20161	0.04	0.18	0.00	1.00
R6WIDSLW	18607	0.04	0.18	0.00	1.00
R7WIDSLW	17594	0.03	0.18	0.00	1.00
R8WIDSLW	19071	0.03	0.17	0.00	1.00
R9WIDSLW	17726	0.03	0.17	0.00	1.00
R10WIDSLW	17108	0.03	0.18	0.00	1.00
R11WIDSLW	21018	0.02	0.15	0.00	1.00
R12WIDSLW	19468	0.03	0.17	0.00	1.00
R13WIDSLW	18256	0.03	0.16	0.00	1.00
R14WIDSLW	18928	0.02	0.14	0.00	1.00
R15WIDSLW	16408	0.02	0.15	0.00	1.00
S2WIDSLW	8848	0.00	0.02	0.00	1.00
S3WIDSLW	11457	0.00	0.00	0.00	0.00
S4WIDSLW	10244	0.00	0.03	0.00	1.00
S5WIDSLW	12264	0.00	0.03	0.00	1.00
S6WIDSLW	11063	0.00	0.04	0.00	1.00
S7WIDSLW	10331	0.00	0.03	0.00	1.00
S8WIDSLW	11329	0.00	0.04	0.00	1.00
S9WIDSLW	10247	0.00	0.02	0.00	1.00
S10WIDSLW	9283	0.00	0.03	0.00	1.00
S11WIDSLW	11963	0.00	0.03	0.00	1.00
S12WIDSLW	10641	0.00	0.03	0.00	1.00
S13WIDSLW	9250	0.00	0.04	0.00	1.00
S14WIDSLW	9055	0.00	0.03	0.00	1.00
S15WIDSLW	7781	0.00	0.03	0.00	1.00
R2PARDSLW	11124	0.07	0.26	0.00	1.00
R3PARDSLW	17048	0.05	0.22	0.00	1.00
R4PARDSLW	15541	0.05	0.21	0.00	1.00
R5PARDSLW	18454	0.05	0.22	0.00	1.00
R6PARDSLW	16913	0.06	0.23	0.00	1.00
R7PARDSLW	15926	0.04	0.21	0.00	1.00
R8PARDSLW	17538	0.05	0.22	0.00	1.00
R9PARDSLW	16232	0.05	0.21	0.00	1.00
R10PARDSLW	14796	0.05	0.21	0.00	1.00
R11PARDSLW	19397	0.05	0.22	0.00	1.00
R12PARDSLW	17727	0.05	0.21	0.00	1.00
R13PARDSLW	15626	0.06	0.23	0.00	1.00

R14PARDSLW	16372	0.05	0.23	0.00	1.00
R15PARDSLW	14060	0.06	0.24	0.00	1.00
S2PARDSLW	8605	0.08	0.26	0.00	1.00
S3PARDSLW	11216	0.06	0.24	0.00	1.00
S4PARDSLW	10008	0.06	0.23	0.00	1.00
S5PARDSLW	11926	0.06	0.23	0.00	1.00
S6PARDSLW	10789	0.07	0.25	0.00	1.00
S7PARDSLW	10034	0.05	0.22	0.00	1.00
S8PARDSLW	11108	0.06	0.24	0.00	1.00
S9PARDSLW	10044	0.05	0.23	0.00	1.00
S10PARDSLW	8948	0.06	0.23	0.00	1.00
S11PARDSLW	11687	0.06	0.23	0.00	1.00
S12PARDSLW	10392	0.05	0.22	0.00	1.00
S13PARDSLW	8914	0.06	0.24	0.00	1.00
S14PARDSLW	8908	0.06	0.24	0.00	1.00
S15PARDSLW	7636	0.07	0.26	0.00	1.00
H3CHIDSLW	17277	0.02	0.14	0.00	1.00
H4CHIDSLW	15679	0.03	0.17	0.00	1.00
H5CHIDSLW	18817	0.02	0.15	0.00	1.00
H6CHIDSLW	17217	0.05	0.22	0.00	1.00
H7CHIDSLW	16193	0.05	0.21	0.00	1.00
H8CHIDSLW	17935	0.04	0.19	0.00	1.00
H9CHIDSLW	16678	0.04	0.19	0.00	1.00
H10CHIDSLW	16761	0.03	0.17	0.00	1.00
H11CHIDSLW	19921	0.03	0.17	0.00	1.00
H12CHIDSLW	18063	0.03	0.17	0.00	1.00
H13CHIDSLW	15891	0.04	0.19	0.00	1.00
H14CHIDSLW	16537	0.03	0.18	0.00	1.00
H15CHIDSLW	14237	0.05	0.22	0.00	1.00

### Categorical Variable Codes

Value-----		R2WIDSLW	R3WIDSLW	R4WIDSLW	R5WIDSLW	
.b:New respondent			62	4692	40	
.c:not ivwed prev wave			265	324	274	
.i:Unknown Unmarried		14	1	7	1	
.m:Missing			206	179	219	
.q:data not available this		7858				
0.no		12071	17971	16472	19450	
1.yes		157	471	652	711	
Value-----		R6WIDSLW	R7WIDSLW	R8WIDSLW	R9WIDSLW	R10WIDSLW
.b:New respondent		216	24529	195	137	5677
.c:not ivwed prev wave		448	282	291	343	355
.i:Unknown Unmarried						3
.m:Missing		3	1	1		2
0.no		17950	17031	18505	17224	16549
1.yes		657	563	566	502	559
Value-----		R11WIDSLW	R12WIDSLW	R13WIDSLW	R14WIDSLW	R15WIDSLW
.b:New respondent		304	160	3862	166	161
.c:not ivwed prev wave		315	310	254	210	748
.i:Unknown Unmarried				1		
.m:Missing				2		
0.no		20516	18887	17767	18550	16046
1.yes		502	581	489	378	362
Value-----		S2WIDSLW	S3WIDSLW	S4WIDSLW	S5WIDSLW	
.b:New respondent			53	3294	35	
.c:not ivwed prev wave			222	267	224	
.i:Unknown Unmarried		13	1	6	1	
.m:Missing			183	167	206	
.q:data not available this		4227				
.u:not coupled		5976	5659	6870	6537	
.v:SP NR		578	416	536	311	
0.no		8843	11457	10234	12253	

1.yes		5		10	11
Value-----	S6WIDSLW	S7WIDSLW	S8WIDSLW	S9WIDSLW	S10WIDSLW
.b:New respondent	200	2431	186	133	3936
.c:not ivwed prev wave	366	205	212	260	285
.i:Unknown Unmarried					2
.m:Missing	3	1	1		2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11048	10322	11314	10242	9273
1.yes	15	9	15	5	10
Value-----	S11WIDSLW	S12WIDSLW	S13WIDSLW	S14WIDSLW	S15WIDSLW
.b:New respondent	289	149	2357	161	146
.c:not ivwed prev wave	222	222	170	142	539
.i:Unknown Unmarried					1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11955	10629	9238	9048	7774
1.yes	8	12	12	7	7
Value-----		R2PARDSLW	R3PARDSLW	R4PARDSLW	R5PARDSLW
.b:New respondent		103	69	4906	52
.c:not ivwed prev wave			371	538	455
.d:DK		147	62	36	69
.m:Missing		150	438	360	542
.q:data not available this		8117			
.r:Refuse		1	3	3	6
0.no		10298	16147	14805	17548
1.yes		826	901	736	906
Value-----	R6PARDSLW	R7PARDSLW	R8PARDSLW	R9PARDSLW	R10PARDSLW
.b:New respondent	224	25748	207	143	6437
.c:not ivwed prev wave	713	453	438	581	564
.d:DK	43	33	61	45	40
.m:Missing	269	241	224	215	196
.r:Refuse	3	5	1	1	1
0.no	15978	15223	16639	15487	14100
1.yes	935	703	899	745	696
Value-----	R11PARDSLW	R12PARDSLW	R13PARDSLW	R14PARDSLW	R15PARDSLW
.b:New respondent	398	179	4557	248	224
.c:not ivwed prev wave	440	494	446	361	1293
.d:DK	131	84	62	37	28
.m:Missing	185	262	220	127	116
.r:Refuse	3	1	1	1	2
0.no	18423	16904	14756	15494	13182
1.yes	974	823	870	878	878
Value-----		S2PARDSLW	S3PARDSLW	S4PARDSLW	S5PARDSLW
.b:New respondent		102	55	3329	40
.c:not ivwed prev wave			244	298	244
.d:DK		95	46	25	45
.m:Missing		37	353	315	469
.q:data not available this		4248			
.r:Refuse		1	2	3	6
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
0.no		7956	10535	9445	11253
1.yes		649	681	563	673
Value-----	S6PARDSLW	S7PARDSLW	S8PARDSLW	S9PARDSLW	S10PARDSLW
.b:New respondent	207	2484	198	139	4094
.c:not ivwed prev wave	385	227	218	273	302
.d:DK	26	24	33	28	22
.m:Missing	223	197	170	155	142
.r:Refuse	2	2	1	1	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	10086	9521	10444	9506	8453
1.yes	703	513	664	538	495
Value-----	S11PARDSLW	S12PARDSLW	S13PARDSLW	S14PARDSLW	S15PARDSLW
.b:New respondent	359	168	2517	202	178
.c:not ivwed prev wave	236	233	182	158	570
.d:DK	71	46	31	20	18

.m:Missing	123	173	134	70	64
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11030	9846	8355	8385	7069
1.yes	657	546	559	523	567
Value-----			H3CHIDSLW	H4CHIDSLW	H5CHIDSLW
.b:New respondent			63	4902	43
.c:not ivwed prev wave			389	553	455
.d:DK			4	5	4
.m:Missing			256	240	256
.r:Refuse			2	5	3
0.no			16918	15236	18387
1.yes			359	443	430
Value-----	H6CHIDSLW	H7CHIDSLW	H8CHIDSLW	H9CHIDSLW	H10CHIDSLW
.b:New respondent	224	25748	139	84	4782
.c:not ivwed prev wave	713	453	368	442	473
.d:DK	1				
.m:Missing	10	12	27	13	18
0.no	16312	15452	17281	16047	16244
1.yes	905	741	654	631	517
Value-----	H11CHIDSLW	H12CHIDSLW	H13CHIDSLW	H14CHIDSLW	H15CHIDSLW
.b:New respondent	251	178	4556	221	178
.c:not ivwed prev wave	342	494	446	361	1293
.d:DK					52
.k:smaller number deceased					2
.m:Missing	40	12	17	27	26615
.r:Refuse			2		29
0.no	19333	17516	15318	16012	13519
1.yes	588	547	573	525	718

## How Constructed:

RwWIDSLW indicates whether the respondent is newly widowed or had a spouse die since the last interview. RwWIDSLW is coded as 1 if the respondent reports becoming widowed, when directly asked if they divorced or became widowed, or if the respondent's marital status (RwMSTATH) changed from married in the previous wave to widowed in the current wave. RwWIDSLW is coded as 0 if the respondent did not directly report becoming widowed, if the respondent's marital status did not change, or if the respondent's marital status changed but did not change from married to widowed.

RwPARDSLW indicates whether the respondent had a parent die since the last interview. RwPARDSLW is coded as 1 if the respondent has fewer living parents in the current wave than in the previous wave. RwPARDSLW is coded as 0 if the respondent's parents are both already deceased, if the respondent's parents are both still alive, or if there is no change in the number of the respondent's parents.

HwCHIDSLW indicates whether the respondent had a child die since the last interview. HwCHIDSLW is coded as 1 if the respondent reports fewer living children in the current wave than in the previous wave using HwCHILD, or if the number of deceased children increased in the current wave compared to the previous wave using HwDIEDKN from the RAND HRS Family data. HwCHIDSLW is coded as 0 if the respondent reports the same or a greater number of living children in the current wave compared to the previous wave, or if the number of deceased children remains unchanged between the current and previous wave. In Waves 8 through 11, respondents who complete the leave behind questionnaire are asked if they have ever had a child die, and if so, what year the child died. HwCHIDSLW is coded as 1 if the respondent reported that a child died in 2005-2006 for Wave 8, in 2007-2008 for Wave 9, in 2009-2010 for Wave 10, or in 2011-2012 for Wave 11, or if the previously described conditions are met. HwCHIDSLW is coded as 0 if the respondent has never had a child die, if their child passed away in a different year, or if the previously described conditions are met. Starting in Wave 15, HwCHIDSLW is calculated based on a version of HwDIEDKN that is created based on variables from the Preload HH Member Child dataset because HwDIEDKN is not currently available from the RAND HRS Family data for this wave. Only in this wave, HwCHIDSLW is assigned special missing .k if there is a smaller number of deceased children in the current wave than in the previous wave.

Don't know, refused, or other missing responses for RwWIDSLW, RwPARDSLW, and HwCHIDSLW are assigned special missing codes .d, .r, .m, respectively. Special missing .b is assigned if the respondent is a new respondent in the current wave. Special missing .c is assigned if the respondent has been previously interviewed but was not interviewed in the previous wave. Special missing .i is assigned to RwWIDSLW if

the respondent has an unknown unmarried status in the current wave. Respondents in the AHEAD cohort in Wave 2 were not previously interviewed, so RwWIDSLW, and RwPARDSLW, cannot be calculated and are assigned special missing .q in Wave 2. RwWIDSLW, RwPARDSLW, and HwCHIDSLW are set to plain missing (.) for respondents who did not respond to the current wave.

SwWIDSLW and SwPARDSLW indicate whether the respondent's current wave's spouse became widowed or lost a parent, respectively, since the last interview. Their values are taken from RwWIDSLW and RwPARDSLW. In addition to the special missing codes used in RwWIDSLW and RwPARDSLW, SwWIDSLW and SwPARDSLW employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

RwWIDSLW and RwPARDSLW are available starting in Wave 2.

HwCHIDSLW is available starting in Wave 3. In Waves 8 through 11, this variable incorporates information from two questions in the leave behind questionnaire in addition to the variables used in the other waves. Starting in Wave 15, this variable is calculated using a different version of HwDIEDKN because HwDIEDKN is not yet available from the RAND HRS Family data. Also in this wave, HwCHIDSLW is assigned special missing .k if the number of deceased children is smaller in the current wave than in the previous wave.

## HRS Variables Used:

### RAND HRS:

H10CHILD	h10child:w10	number of living children	r/p
H11CHILD	h11child:w11	number of living children	r/p
H12CHILD	h12child:w12	number of living children	r/p
H13CHILD	h13child:w13	number of living children	r/p
H14CHILD	h14child:w14	number of living children	r/p
H15CHILD	h15child:w15	number of living children	r/p
H2CHILD	h2child:w2	number of living children	r/p
H3CHILD	h3child:w3	number of living children	r/p
H4CHILD	h4child:w4	number of living children	r/p
H5CHILD	h5child:w5	number of living children	r/p
H6CHILD	h6child:w6	number of living children	r/p
H7CHILD	h7child:w7	number of living children	r/p
H8CHILD	h8child:w8	number of living children	r/p
H9CHILD	h9child:w9	number of living children	r/p
INW1	inw1:	=1 if respondent	w1
INW10	inw10:	=1 if respondent	w10
INW11	inw11:	=1 if respondent	w11
INW12	inw12:	=1 if respondent	w12
INW13	inw13:	=1 if respondent	w13
INW14	inw14:	=1 if respondent	w14
INW15	inw15:	=1 if respondent	w15
INW2	inw2:	=1 if respondent	w2
INW3	inw3:	=1 if respondent	w3
INW4	inw4:	=1 if respondent	w4
INW5	inw5:	=1 if respondent	w5
INW6	inw6:	=1 if respondent	w6
INW7	inw7:	=1 if respondent	w7
INW8	inw8:	=1 if respondent	w8
INW9	inw9:	=1 if respondent	w9
R10LIVPAR	r10livpar:w10	number of living parents	
R10MSTATH	r10mstath:w10	r marstat-w/o part,	filled
R11LIVPAR	r11livpar:w11	number of living parents	
R11MSTATH	r11mstath:w11	r marstat-w/o part,	filled
R12LIVPAR	r12livpar:w12	number of living parents	
R12MSTATH	r12mstath:w12	r marstat-w/o part,	filled
R13LIVPAR	r13livpar:w13	number of living parents	

R13MSTATH	r13mstath:w13 r marstat-w/o part,filled
R14LIVPAR	r14livpar:w14 number of living parents
R14MSTATH	r14mstath:w14 r marstat-w/o part,filled
R15LIVPAR	r15livpar:w15 number of living parents
R15MSTATH	r15mstath:w15 r marstat-w/o part,filled
R1LIVPAR	r1livpar:w1 number of living parents
R1MSTATH	r1mstath:w1 r marstat-w/o part,filled
R2LIVPAR	r2livpar:w2 number of living parents
R2MSTATH	r2mstath:w2 r marstat-w/o part,filled
R3LIVPAR	r3livpar:w3 number of living parents
R3MSTATH	r3mstath:w3 r marstat-w/o part,filled
R4LIVPAR	r4livpar:w4 number of living parents
R4MSTATH	r4mstath:w4 r marstat-w/o part,filled
R5LIVPAR	r5livpar:w5 number of living parents
R5MSTATH	r5mstath:w5 r marstat-w/o part,filled
R6LIVPAR	r6livpar:w6 number of living parents
R6MSTATH	r6mstath:w6 r marstat-w/o part,filled
R7LIVPAR	r7livpar:w7 number of living parents
R7MSTATH	r7mstath:w7 r marstat-w/o part,filled
R8LIVPAR	r8livpar:w8 number of living parents
R8MSTATH	r8mstath:w8 r marstat-w/o part,filled
R9LIVPAR	r9livpar:w9 number of living parents
R9MSTATH	r9mstath:w9 r marstat-w/o part,filled
RAND Family:	
H10DIEDKN	h10diedkn:w10 number of deceased children
H11DIEDKN	h11diedkn:w11 number of deceased children
H12DIEDKN	h12diedkn:w12 number of deceased children
H13DIEDKN	h13diedkn:w13 number of deceased children
H14DIEDKN	h14diedkn:w14 number of deceased children
H2DIEDKN	h2diedkn:w2 number of deceased children
H3DIEDKN	h3diedkn:w3 number of deceased children
H4DIEDKN	h4diedkn:w4 number of deceased children
H5DIEDKN	h5diedkn:w5 number of deceased children
H6DIEDKN	h6diedkn:w6 number of deceased children
H7DIEDKN	h7diedkn:w7 number of deceased children
H8DIEDKN	h8diedkn:w8 number of deceased children
H9DIEDKN	h9diedkn:w9 number of deceased children
Wave 2 AHEAD:	
BN_INHH	ahd w1: # r's responding in hhold
Wave 2 HRS:	
ASTATUS	1992 interview status
W200	a1. marital status
W204	a4. divorced/widowed since
Wave 3 AHEAD:	
D22_1	hh1 w1 r interv
D746	a41.post w1 div/swidowed
DPRVIW	ahd95: whether 1993 respondent
Wave 3 HRS:	
E22_1	hh1 r prev wave interv
E746	a41.post w1 div/swidowed
EPRVIW	hrs w3: wave of previous hrs interview
Wave 4:	
F1066	a41.post w1 div/widowed
F26_1	hh1 r prev wave iw
FPRVIW	hrs98: previous interview (a-e)
Wave 5:	
G1153	a41.post w1 div/widowed
G26_1	pr26.hh1 r prev wave iw
GPRVIW	hrs00: previous interview (a-f)
Wave 6:	
HB058	divorce/widow since previous wave
HPRVIW	hrs02: previous interview (a-g)
HZ076	r ever interviewed

Wave 7:  
JB058 divorce/widow since previous wave  
JPRVIW hrs04: previous interview (a-h)  
JZ076 r ever interviewed

Wave 8:  
KB058 divorce/widow since previous wave  
KLB037A q37a. has a child of yours ever died  
KLB037AY q37ayr. if yes - what year  
KPRVIW hrs06: previous interview (a-h)  
KZ076 r ever interviewed

Wave 9:  
LB058 divorce/widow since previous wave  
LLB037A q37a. has a child of yours ever died  
LLB037AY q37ayr. child died year  
LPRVIW hrs08: previous interview (a-h)  
LZ076 r ever interviewed

Wave 10:  
MB058 divorce/widow since previous wave  
MLB037A q37a. has a child of yours ever died  
MLB037AY q37ayr. child died year  
MPRVIW hrs10: previous interview (a-h)  
MZ076 r ever interviewed

Wave 11:  
NB058 divorce/widow since previous wave  
NLB037A q37a. has a child of yours ever died  
NLB037AY q37ayr. child died year  
NPRVIW hrs12: previous interview (a-h)  
NZ076 r ever interviewed

Wave 12:  
OB058 divorce/widow since previous wave  
OPRVIW hrs14: previous interview (a-h)  
OZ076 r ever interviewed

Wave 13:  
PB058 divorce/widow since previous wave  
PZ023 prev wave which cohort  
PZ076 r ever interviewed

Wave 14:  
QB058 divorce/widow since previous wave  
QZ023 prev wave which cohort  
QZ076 r ever interviewed

Wave 15:  
RB058 divorce/widow since previous wave  
RZ023 prev wave which cohort  
RZ076 r ever interviewed

Wave 15 PR\_MC:  
RX056\_MC RESIDENCY STATUS-UPDATED  
RX061\_MC RELATIONSHIP TO R-UPDATED

<b>Dependents</b>
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Wave	Variable	Label	Type
02	H2DEPDNT	h2depndnt:w2 any dependents	Categ
03	H3DEPDNT	h3depndnt:w3 any dependents	Categ
04	H4DEPDNT	h4depndnt:w4 any dependents	Categ
05	H5DEPDNT	h5depndnt:w5 any dependents	Categ
06	H6DEPDNT	h6depndnt:w6 any dependents	Categ
07	H7DEPDNT	h7depndnt:w7 any dependents	Categ
08	H8DEPDNT	h8depndnt:w8 any dependents	Categ
09	H9DEPDNT	h9depndnt:w9 any dependents	Categ
10	H10DEPDNT	h10depndnt:w10 any dependents	Categ
11	H11DEPDNT	h11depndnt:w11 any dependents	Categ
12	H12DEPDNT	h12depndnt:w12 any dependents	Categ
13	H13DEPDNT	h13depndnt:w13 any dependents	Categ
14	H14DEPDNT	h14depndnt:w14 any dependents	Categ
15	H15DEPDNT	h15depndnt:w15 any dependents	Categ
02	H2DEPDNTN	h2depndntn:w2 number dependents	Cont
03	H3DEPDNTN	h3depndntn:w3 number dependents	Cont
04	H4DEPDNTN	h4depndntn:w4 number dependents	Cont
05	H5DEPDNTN	h5depndntn:w5 number dependents	Cont
06	H6DEPDNTN	h6depndntn:w6 number dependents	Cont
07	H7DEPDNTN	h7depndntn:w7 number dependents	Cont
08	H8DEPDNTN	h8depndntn:w8 number dependents	Cont
09	H9DEPDNTN	h9depndntn:w9 number dependents	Cont
10	H10DEPDNTN	h10depndntn:w10 number dependents	Cont
11	H11DEPDNTN	h11depndntn:w11 number dependents	Cont
12	H12DEPDNTN	h12depndntn:w12 number dependents	Cont
13	H13DEPDNTN	h13depndntn:w13 number dependents	Cont
14	H14DEPDNTN	h14depndntn:w14 number dependents	Cont
15	H15DEPDNTN	h15depndntn:w15 number dependents	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2DEPDNT	11251	0.22	0.41	0.00	1.00
H3DEPDNT	10872	0.17	0.38	0.00	1.00
H4DEPDNT	21133	0.13	0.34	0.00	1.00
H5DEPDNT	19421	0.10	0.31	0.00	1.00
H6DEPDNT	17893	0.09	0.28	0.00	1.00
H7DEPDNT	19937	0.13	0.34	0.00	1.00
H8DEPDNT	18348	0.11	0.31	0.00	1.00
H9DEPDNT	17103	0.10	0.30	0.00	1.00
H10DEPDNT	21583	0.16	0.37	0.00	1.00
H11DEPDNT	20313	0.13	0.33	0.00	1.00
H12DEPDNT	18513	0.11	0.32	0.00	1.00
H13DEPDNT	20346	0.14	0.35	0.00	1.00
H14DEPDNT	16611	0.12	0.33	0.00	1.00
H15DEPDNT	15125	0.09	0.29	0.00	1.00
H2DEPDNTN	11249	0.35	0.80	0.00	14.00
H3DEPDNTN	10872	0.28	0.76	0.00	25.00
H4DEPDNTN	21133	0.21	0.66	0.00	8.00
H5DEPDNTN	19421	0.17	0.78	0.00	52.00
H6DEPDNTN	17892	0.14	0.54	0.00	11.00
H7DEPDNTN	19934	0.23	0.73	0.00	15.00
H8DEPDNTN	18341	0.18	0.64	0.00	14.00
H9DEPDNTN	17101	0.17	0.61	0.00	10.00



H10DEPNNTN	21579	0.30	0.88	0.00	20.00
H11DEPNNTN	20301	0.23	0.77	0.00	12.00
H12DEPNNTN	18495	0.21	0.73	0.00	20.00
H13DEPNNTN	20337	0.26	0.81	0.00	20.00
H14DEPNNTN	16601	0.22	0.72	0.00	15.00
H15DEPNNTN	15121	0.16	0.67	0.00	30.00

## Categorical Variable Codes

Value-----	H2DEPNNT	H3DEPNNT	H4DEPNNT	H5DEPNNT
.d:DK	12	7	9	13
.m:Missing	324	73	227	127
.q:data not available this	8222	7027		
.r:Refuse	8	12	15	17
0.no	8803	8985	18322	17405
1.yes	2448	1887	2811	2016

Value-----	H6DEPNNT	H7DEPNNT	H8DEPNNT	H9DEPNNT	H10DEPNNT
.d:DK	11	25	15	14	12
.m:Missing	234	147	96	88	419
.r:Refuse	27	20	10	12	20
0.no	16304	17354	16349	15374	18155
1.yes	1589	2583	1999	1729	3428

Value-----	H11DEPNNT	H12DEPNNT	H13DEPNNT	H14DEPNNT	H15DEPNNT
.d:DK	26	22	28	28	40
.m:Missing	188	186	495	476	533
.r:Refuse	27	26	43	31	25
0.no	17733	16395	17473	14597	13731
1.yes	2580	2118	2873	2014	1394

## How Constructed:

HwDEPNNT indicates whether the respondent and their spouse had any children, parents, or other relatives dependent on them for more than half of their support, also known as dependents. HwDEPNNT is coded as 0 if the respondent and their spouse had no dependents, and is coded as 1 if the respondent and their spouse did report having dependents. This question is not asked for respondents in the AHEAD cohorts in Waves 2 or 3, so HwDEPNNT is assigned special missing .q in Waves 2 and 3 if the respondent was part of these samples. Don't know, refused, or other missing responses of HwDEPNNT are assigned special missing codes .d, .r, .m, respectively. HwDEPNNT is set to plain missing (.) for respondents who did not respond to the current wave.

HwDEPNNTN indicates the number of dependents the respondent and their spouse report having. If the family respondent reports having any children, parents, or other relatives dependent on them for more than half of their support, then the family respondent is asked how many people that was. HwDEPNNTN is assigned a value of 0 if the family respondent reports having no dependents. This question is not asked for respondents in the AHEAD cohorts in Waves 2 or 3, so HwDEPNNTN is assigned special missing .q in Waves 2 and 3 if the respondent was part of these samples. Don't know, refused, or other missing responses of HwDEPNNTN are assigned special missing codes .d, .r, .m, respectively. HwDEPNNTN is set to plain missing (.) for respondents who did not respond to the current wave.

## Cross Wave Differences in HRS

Questions about dependents are asked to the family respondent starting in the HRS cohort in Wave 2. These questions are not asked to respondents in HRS Wave 1 or in the AHEAD cohorts in Waves 2 or 3.

## HRS Variables Used:

Wave 2 AHEAD:	
BN_INHH	ahd w1: # r's responding in hhold
Wave 2 HRS:	
W937	e194. dependents in 93?
W938	e194a. no of dependents
Wave 3 AHEAD:	
DN_INHH	dn_inhh: # r's responding in hhold

Wave 3 HRS:	
E1733	d153.dependents
E1734	d153a.number
Wave 4:	
F2238	d153.dependents
F2239	d153a.number
Wave 5:	
G2489	d153.dependents
G2490	d153a.number
Wave 6:	
HE118	any dependents
HE119	num dependents
Wave 7:	
JE118	any dependents
JE119	num dependents
Wave 8:	
KE118	any dependents
KE119	num dependents
Wave 9:	
LE118	any dependents
LE119	num dependents
Wave 10:	
ME118	any dependents
ME119	num dependents
Wave 11:	
NE118	any dependents
NE119	num dependents
Wave 12:	
OE118	any dependents
OE119	num dependents
Wave 13:	
PE118	any dependents
PE119	num dependents
Wave 14:	
QE118	any dependents
QE119	num dependents
Wave 15:	
RE118	any dependents
RE119	num dependents

<b>Religious Activities</b>
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Wave	Variable	Label	Type
01	R1RELGWK	r1relgwk:w1 r any weekly part. in religious services	Categ
02	R2RELGWK	r2relgwk:w2 r any weekly part. in religious services	Categ
03	R3RELGWK	r3relgwk:w3 r any weekly part. in religious services	Categ
05	R5RELGWK	r5relgwk:w5 r any weekly part. in religious services	Categ
07	R7RELGWK	r7relgwk:w7 r any weekly part. in religious services	Categ
08	R8RELGWK	r8relgwk:w8 r any weekly part. in religious services	Categ
09	R9RELGWK	r9relgwk:w9 r any weekly part. in religious services	Categ
10	R10RELGWK	r10relgwk:w10 r any weekly part. in religious services	Categ
11	R11RELGWK	r11relgwk:w11 r any weekly part. in religious services	Categ
12	R12RELGWK	r12relgwk:w12 r any weekly part. in religious services	Categ
13	R13RELGWK	r13relgwk:w13 r any weekly part. in religious services	Categ
14	R14RELGWK	r14relgwk:w14 r any weekly part. in religious services	Categ
15	R15RELGWK	r15relgwk:w15 r any weekly part. in religious services	Categ
01	S1RELGWK	s1relgwk:w1 s any weekly part. in religious services	Categ
02	S2RELGWK	s2relgwk:w2 s any weekly part. in religious services	Categ
03	S3RELGWK	s3relgwk:w3 s any weekly part. in religious services	Categ
05	S5RELGWK	s5relgwk:w5 s any weekly part. in religious services	Categ
07	S7RELGWK	s7relgwk:w7 s any weekly part. in religious services	Categ
08	S8RELGWK	s8relgwk:w8 s any weekly part. in religious services	Categ
09	S9RELGWK	s9relgwk:w9 s any weekly part. in religious services	Categ
10	S10RELGWK	s10relgwk:w10 s any weekly part. in religious services	Categ
11	S11RELGWK	s11relgwk:w11 s any weekly part. in religious services	Categ
12	S12RELGWK	s12relgwk:w12 s any weekly part. in religious services	Categ
13	S13RELGWK	s13relgwk:w13 s any weekly part. in religious services	Categ
14	S14RELGWK	s14relgwk:w14 s any weekly part. in religious services	Categ
15	S15RELGWK	s15relgwk:w15 s any weekly part. in religious services	Categ
01	R1SOCRELG_H	r1socrelg_h:w1 r freq participate religious services	Categ
02	R2SOCRELG_H	r2socrelg_h:w2 r freq participate religious services	Categ
03	R3SOCRELG_H	r3socrelg_h:w3 r freq participate religious services	Categ
05	R5SOCRELG_H	r5socrelg_h:w5 r freq participate religious services	Categ
07	R7SOCRELG_H	r7socrelg_h:w7 r freq participate religious services	Categ
08	R8SOCRELG_H	r8socrelg_h:w8 r freq participate religious services	Categ
09	R9SOCRELG_H	r9socrelg_h:w9 r freq participate religious services	Categ
10	R10SOCRELG_H	r10socrelg_h:w10 r freq participate religious services	Categ
11	R11SOCRELG_H	r11socrelg_h:w11 r freq participate religious services	Categ
12	R12SOCRELG_H	r12socrelg_h:w12 r freq participate religious services	Categ
13	R13SOCRELG_H	r13socrelg_h:w13 r freq participate religious services	Categ
14	R14SOCRELG_H	r14socrelg_h:w14 r freq participate religious services	Categ
15	R15SOCRELG_H	r15socrelg_h:w15 r freq participate religious services	Categ
01	S1SOCRELG_H	s1socrelg_h:w1 s freq participate religious services	Categ
02	S2SOCRELG_H	s2socrelg_h:w2 s freq participate religious services	Categ
03	S3SOCRELG_H	s3socrelg_h:w3 s freq participate religious services	Categ
05	S5SOCRELG_H	s5socrelg_h:w5 s freq participate religious services	Categ
07	S7SOCRELG_H	s7socrelg_h:w7 s freq participate religious services	Categ
08	S8SOCRELG_H	s8socrelg_h:w8 s freq participate religious services	Categ
09	S9SOCRELG_H	s9socrelg_h:w9 s freq participate religious services	Categ
10	S10SOCRELG_H	s10socrelg_h:w10 s freq participate religious services	Categ
11	S11SOCRELG_H	s11socrelg_h:w11 s freq participate religious services	Categ
12	S12SOCRELG_H	s12socrelg_h:w12 s freq participate religious services	Categ
13	S13SOCRELG_H	s13socrelg_h:w13 s freq participate religious services	Categ
14	S14SOCRELG_H	s14socrelg_h:w14 s freq participate religious services	Categ
15	S15SOCRELG_H	s15socrelg_h:w15 s freq participate religious services	Categ
02	R2RELGIMP	r2relgimp:w2 r importance of religion	Categ

03	R3RELGIMP	r3relgimp:w3	r importance of religion	Categ
04	R4RELGIMP	r4relgimp:w4	r importance of religion	Categ
05	R5RELGIMP	r5relgimp:w5	r importance of religion	Categ
06	R6RELGIMP	r6relgimp:w6	r importance of religion	Categ
07	R7RELGIMP	r7relgimp:w7	r importance of religion	Categ
08	R8RELGIMP	r8relgimp:w8	r importance of religion	Categ
09	R9RELGIMP	r9relgimp:w9	r importance of religion	Categ
10	R10RELGIMP	r10relgimp:w10	r importance of religion	Categ
11	R11RELGIMP	r11relgimp:w11	r importance of religion	Categ
02	S2RELGIMP	s2relgimp:w2	s importance of religion	Categ
03	S3RELGIMP	s3relgimp:w3	s importance of religion	Categ
04	S4RELGIMP	s4relgimp:w4	s importance of religion	Categ
05	S5RELGIMP	s5relgimp:w5	s importance of religion	Categ
06	S6RELGIMP	s6relgimp:w6	s importance of religion	Categ
07	S7RELGIMP	s7relgimp:w7	s importance of religion	Categ
08	S8RELGIMP	s8relgimp:w8	s importance of religion	Categ
09	S9RELGIMP	s9relgimp:w9	s importance of religion	Categ
10	S10RELGIMP	s10relgimp:w10	s importance of religion	Categ
11	S11RELGIMP	s11relgimp:w11	s importance of religion	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RELGWK	12243	0.38	0.48	0.00	1.00
R2RELGWK	11200	0.38	0.49	0.00	1.00
R3RELGWK	7020	0.45	0.50	0.00	1.00
R5RELGWK	1159	0.15	0.36	0.00	1.00
R7RELGWK	20091	0.41	0.49	0.00	1.00
R8RELGWK	18440	0.41	0.49	0.00	1.00
R9RELGWK	17189	0.41	0.49	0.00	1.00
R10RELGWK	21971	0.39	0.49	0.00	1.00
R11RELGWK	20441	0.39	0.49	0.00	1.00
R12RELGWK	18650	0.39	0.49	0.00	1.00
R13RELGWK	20750	0.37	0.48	0.00	1.00
R14RELGWK	17055	0.36	0.48	0.00	1.00
R15RELGWK	15508	0.36	0.48	0.00	1.00
S1RELGWK	9576	0.38	0.49	0.00	1.00
S2RELGWK	8434	0.39	0.49	0.00	1.00
S3RELGWK	3610	0.44	0.50	0.00	1.00
S5RELGWK	762	0.14	0.35	0.00	1.00
S7RELGWK	12954	0.42	0.49	0.00	1.00
S8RELGWK	11719	0.42	0.49	0.00	1.00
S9RELGWK	10630	0.42	0.49	0.00	1.00
S10RELGWK	13479	0.40	0.49	0.00	1.00
S11RELGWK	12421	0.40	0.49	0.00	1.00
S12RELGWK	10967	0.40	0.49	0.00	1.00
S13RELGWK	11698	0.39	0.49	0.00	1.00
S14RELGWK	9316	0.37	0.48	0.00	1.00
S15RELGWK	8373	0.37	0.48	0.00	1.00
R1SOCRELG_H	12243	3.19	1.41	1.00	5.00
R2SOCRELG_H	11200	3.18	1.41	1.00	5.00
R3SOCRELG_H	7020	3.09	1.46	1.00	5.00
R5SOCRELG_H	1159	3.72	1.15	1.00	5.00
R7SOCRELG_H	20091	3.15	1.44	1.00	5.00
R8SOCRELG_H	18440	3.15	1.44	1.00	5.00
R9SOCRELG_H	17189	3.16	1.45	1.00	5.00
R10SOCRELG_H	21971	3.20	1.44	1.00	5.00
R11SOCRELG_H	20441	3.21	1.43	1.00	5.00
R12SOCRELG_H	18650	3.21	1.43	1.00	5.00

R13SOCRELG_H	20750	3.26	1.43	1.00	5.00
R14SOCRELG_H	17055	3.30	1.43	1.00	5.00
R15SOCRELG_H	15508	3.41	1.45	1.00	5.00
S1SOCRELG_H	9576	3.18	1.41	1.00	5.00
S2SOCRELG_H	8434	3.16	1.42	1.00	5.00
S3SOCRELG_H	3610	3.09	1.46	1.00	5.00
S5SOCRELG_H	762	3.75	1.16	1.00	5.00
S7SOCRELG_H	12954	3.11	1.44	1.00	5.00
S8SOCRELG_H	11719	3.11	1.44	1.00	5.00
S9SOCRELG_H	10630	3.14	1.45	1.00	5.00
S10SOCRELG_H	13479	3.17	1.43	1.00	5.00
S11SOCRELG_H	12421	3.18	1.43	1.00	5.00
S12SOCRELG_H	10967	3.18	1.43	1.00	5.00
S13SOCRELG_H	11698	3.23	1.43	1.00	5.00
S14SOCRELG_H	9316	3.28	1.42	1.00	5.00
S15SOCRELG_H	8373	3.37	1.45	1.00	5.00
R2RELGIMP	8203	1.43	0.68	1.00	3.00
R3RELGIMP	17963	1.46	0.68	1.00	3.00
R4RELGIMP	21347	1.47	0.69	1.00	3.00
R5RELGIMP	19543	1.45	0.67	1.00	3.00
R6RELGIMP	18136	1.44	0.67	1.00	3.00
R7RELGIMP	20085	1.43	0.69	1.00	3.00
R8RELGIMP	18433	1.43	0.69	1.00	3.00
R9RELGIMP	17190	1.45	0.70	1.00	3.00
R10RELGIMP	21969	1.46	0.71	1.00	3.00
R11RELGIMP	20480	1.46	0.71	1.00	3.00
S2RELGIMP	4340	1.48	0.70	1.00	3.00
S3RELGIMP	11902	1.48	0.68	1.00	3.00
S4RELGIMP	13965	1.49	0.69	1.00	3.00
S5RELGIMP	12715	1.47	0.68	1.00	3.00
S6RELGIMP	11616	1.45	0.67	1.00	3.00
S7RELGIMP	12949	1.46	0.70	1.00	3.00
S8RELGIMP	11717	1.46	0.70	1.00	3.00
S9RELGIMP	10628	1.47	0.71	1.00	3.00
S10RELGIMP	13473	1.47	0.71	1.00	3.00
S11RELGIMP	12442	1.47	0.72	1.00	3.00

### Categorical Variable Codes

Value-----	R1RELGWK	R2RELGWK	R3RELGWK	R5RELGWK	
.d:DK	13	10	6		
.m:Missing				302	
.p:proxy ivw				169	
.q:data not available this		8222	10964		
.r:Refuse	396	385	1	1	
.s:skipped				17947	
0.no	7638	6958	3883	986	
1.yes	4605	4242	3137	173	
Value-----	R7RELGWK	R8RELGWK	R9RELGWK	R10RELGWK	
.d:DK		26	23	50	
.m:Missing			1		
.r:Refuse		12	5	13	
0.no		11828	10792	10061	
1.yes		8263	7648	7128	
Value-----	R11RELGWK	R12RELGWK	R13RELGWK	R14RELGWK	R15RELGWK
.d:DK	94	85	139	75	199
.m:Missing	1				
.r:Refuse	18	12	23	16	16
0.no	12450	11354	12995	10847	9991
1.yes	7991	7296	7755	6208	5517

Value-----	S1RELGWK	S2RELGWK	S3RELGWK	S5RELGWK
.d:DK	8	4		
.m:Missing				191
.p:proxy ivw				118
.q:data not available this		4350	8306	
.r:Refuse	316	300		1
.s:skipped				11658
.u:not coupled	2373	5976	5659	6537
.v:SP NR	379	578	416	311
0.no	5922	5173	2012	654
1.yes	3654	3261	1598	108

Value-----	S7RELGWK	S8RELGWK	S9RELGWK	S10RELGWK
.d:DK		7	8	5
.r:Refuse		7	1	5
.u:not coupled		6781	6424	6212
.v:SP NR		380	317	365
0.no		7513	6753	6125
1.yes		5441	4966	4505

Value-----	S11RELGWK	S12RELGWK	S13RELGWK	S14RELGWK	S15RELGWK
.d:DK	48	39	71	35	86
.m:Missing	1				
.r:Refuse	6	6	9	7	7
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	7481	6557	7182	5863	5315
1.yes	4940	4410	4516	3453	3058

Value-----	R1SOCRELG_H	R2SOCRELG_H	R3SOCRELG_H	R5SOCRELG_H
.d:DK	13	10	6	
.m:Missing				302
.p:proxy ivw				169
.q:data not available this		8222	10964	
.r:Refuse	396	385	1	1
.s:skipped				17947
1.more than once a week	1805	1683	1114	20
2.once a week	2800	2558	2023	153
3.2-3 times a month	1895	1704	825	402
4.1 or more times a year	2791	2557	1225	142
5.not at all	2952	2698	1833	442

Value-----	R7SOCRELG_H	R8SOCRELG_H	R9SOCRELG_H	R10SOCRELG_H
.d:DK		26	23	20
.m:Missing			1	
.r:Refuse		12	5	8
1.more than once a week		3077	2806	2601
2.once a week		5186	4842	4527
3.2-3 times a month		2469	2348	2084
4.1 or more times a year		4320	3740	3401
5.not at all		5039	4704	4576

Value-----	R11SOCRELG_H	R12SOCRELG_H	R13SOCRELG_H	R14SOCRELG_H	R15SOCRELG_H
.d:DK	94	85	139	75	199
.m:Missing	1				
.r:Refuse	18	12	23	16	16
1.more than once a week	2907	2650	2749	2223	1775
2.once a week	5084	4646	5006	3985	3742
3.2-3 times a month	2717	2453	2861	2272	1701
4.1 or more times a year	4301	3885	4312	3642	2983
5.not at all	5432	5016	5822	4933	5307

Value-----	S1SOCRELG_H	S2SOCRELG_H	S3SOCRELG_H	S5SOCRELG_H
.d:DK	8	4		
.m:Missing				191
.p:proxy ivw				118
.q:data not available this		4350	8306	
.r:Refuse	316	300		1
.s:skipped				11658
.u:not coupled	2373	5976	5659	6537
.v:SP NR	379	578	416	311
1.more than once a week	1449	1306	584	15
2.once a week	2205	1954	1014	93
3.2-3 times a month	1422	1237	429	261
4.1 or more times a year	2190	1923	664	89
5.not at all	2310	2014	919	304

Value-----	S7SOCRELG_H	S8SOCRELG_H	S9SOCRELG_H	S10SOCRELG_H
.d:DK	7	8	5	24
.r:Refuse	7	1	5	5
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
1.more than once a week	2098	1852	1669	2006
2.once a week	3343	3114	2836	3421
3.2-3 times a month	1597	1452	1229	1750
4.1 or more times a year	2847	2465	2176	2851
5.not at all	3069	2836	2720	3451

Value-----	S11SOCRELG_H	S12SOCRELG_H	S13SOCRELG_H	S14SOCRELG_H	S15SOCRELG_H
.d:DK	48	39	71	35	86
.m:Missing	1				
.r:Refuse	6	6	9	7	7
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.more than once a week	1822	1615	1590	1215	986
2.once a week	3118	2795	2926	2238	2072
3.2-3 times a month	1643	1395	1578	1202	911
4.1 or more times a year	2652	2356	2442	2035	1664
5.not at all	3186	2806	3162	2626	2740

Value-----	R2RELGIMP	R3RELGIMP	R4RELGIMP	R5RELGIMP
.d:DK	17	16	25	28
.m:Missing		2		
.o:other		3		
.q:data not available this	11595			
.r:Refuse	2	7	12	7
1.very important	5512	11600	13688	12685
2.somewhat important	1825	4424	5275	4854
3.not too important	866	1939	2384	2004

Value-----	R6RELGIMP	R7RELGIMP	R8RELGIMP	R9RELGIMP	R10RELGIMP
.d:DK	25	31	28	19	52
.m:Missing			1		
.r:Refuse	4	13	7	8	13
1.very important	12001	13685	12541	11617	14734
2.somewhat important	4272	4071	3804	3487	4438
3.not too important	1863	2329	2088	2086	2797

Value-----	R11RELGIMP
.d:DK	59
.m:Missing	1
.r:Refuse	14
1.very important	13755
2.somewhat important	4129
3.not too important	2596

Value-----	S2RELGIMP	S3RELGIMP	S4RELGIMP	S5RELGIMP
.d:DK	9	8	9	12
.m:Missing		2		
.o:other		1		
.q:data not available this	8738			
.r:Refuse	1	3	4	3
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
1.very important	2767	7471	8689	8092
2.somewhat important	1064	3133	3672	3293
3.not too important	509	1298	1604	1330

Value-----	S6RELGIMP	S7RELGIMP	S8RELGIMP	S9RELGIMP	S10RELGIMP
.d:DK	12	10	9	9	31
.r:Refuse	4	9	2	3	4
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.very important	7528	8611	7769	6987	8833
2.somewhat important	2904	2784	2561	2279	2883
3.not too important	1184	1554	1387	1362	1757

Value-----	S11RELGIMP
.d:DK	29
.m:Missing	1
.r:Refuse	4
.u:not coupled	7483

.v:SP NR		595
1.very important		8193
2.somewhat important		2613
3.not too important		1636

## How Constructed:

RwRELGWK indicates whether the respondent attended religious services at least weekly during the past year. RwRELGWK is coded as 0 if the respondent attended religious services two or three times a month, one or more times a year, or not at all, and is coded as 1 if the respondent attended religious services more than once a week or once a week. This question was not asked in the AHEAD cohort in Wave 2 or in the HRS cohort in Wave 3, so RwRELGWK is assigned special missing .q in Waves 2 and 3 if the respondent was part of these samples. In Wave 5, RwRELGWK is assigned special missing .p if this question was not asked because the interview was by proxy. Also in Wave 5, this question was only asked to a small percentage of the sample, so RwRELGWK is assigned special missing .s if the respondent was not selected to answer this question. Don't know, refused, or other missing responses of RwRELGWK are assigned special missing codes .d, .r, .m, respectively. RwRELGWK is set to plain missing (.) for respondents who did not respond to the current wave.

RwSOCRELG\_H indicates the frequency with which the respondent attended religious services during the past year. Values in RwSOCRELG\_H are assigned as follows: 1.more than once a week, 2.once a week, 3.two or three times a month, 4.one or more times a year, 5.not at all. This question was not asked in the AHEAD cohort in Wave 2 or in the HRS cohort in Wave 3, so RwSOCRELG\_H is assigned special missing .q in Waves 2 and 3 if the respondent was part of these samples. In Wave 5, RwSOCRELG\_H is assigned special missing .p if this question was not asked because the interview was by proxy. Also in Wave 5, this question was only asked to a small percentage of the sample, so RwSOCRELG\_H is assigned special missing .s if the respondent was not selected to answer this question. Don't know, refused, or other missing responses of RwSOCRELG\_H are assigned special missing codes .d, .r, .m, respectively. RwSOCRELG\_H is set to plain missing (.) for respondents who did not respond to the current wave.

SwRELGWK and SwSOCRELG\_H indicate whether the respondent's current wave's spouse attended weekly religious services and the frequency with which they attended religious services. Their values are taken from the spouse's values to RwRELGWK and RwSOCRELG\_H. In addition to the special missing codes used in RwRELGWK and RwSOCRELG\_H, SwRELGWK and SwSOCRELG\_H employ two additional special missing values, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

RwRELGIMP indicates how important the respondent reports religion being in their life. Values in RwRELGIMP are assigned as follows: 1.very important, 2.somewhat important, 3.not too important. This question was not asked in the HRS cohort in Wave 2, so RwRELGIMP is assigned special missing .q in Wave 2 if the respondent was part of that sample. In the AHEAD and HRS cohorts in Wave 3, the respondent is given the option of reporting "other", in which case RwRELGIMP is assigned special missing .o. Don't know, refused, or other missing responses of RwRELGIMP are assigned special missing codes .d, .r, .m, respectively. RwRELGIMP is set to plain missing (.) for respondents who did not respond to the current wave.

SwRELGIMP indicates how important religion is to the respondent's current wave's spouse and its values are taken from the spouse's values to SwRELGIMP. In addition to the special missing codes used in RwRELGIMP, SwRELGIMP employs two additional special missing values, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in HRS

Questions about the frequency of attendance for religious activities are not asked at all in the AHEAD cohort in Wave 2, in the HRS cohort in Wave 3, or in Waves 4 and 6. In Wave 5, this question is only asked to a small percentage of the sample and only if the interview was not completed with a proxy.

Questions about the importance of religion are not asked in Wave 1 or in the HRS cohort in Wave 2, or starting in Wave 12. The respondent can only report "other" in the AHEAD and HRS cohorts in Wave 3.



**HRS Variables Used:**

Wave 1:	
V214	a6:religious preference
V215	a6b:freq-relig services
Wave 2 AHEAD:	
B136	a6b. importance of religion
BN_INHH	ahd w1: # r's responding in hhold
Wave 2 HRS:	
W226	a14(a). religious preference
W227	a14b. freq attend religion
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D735	a36b.important relig
D736	a36c.freq atten relig
Wave 3 HRS:	
E735	a36b.important relig
EN_INHH	hrs w3: # r's responding in hhold
Wave 4:	
F1055	a36b.important relig
Wave 5:	
G1142	a36b.important relig
G220	pr220.prev wave module # - updated
G514	cs1a.proxy/self interview
G6772	m2-9. religious services
G6773	m2-9a. religion frequency
Wave 6:	
HB053	importance of religion
Wave 7:	
JB053	importance of religion
JB082	how often attend religious serv
Wave 8:	
KB053	importance of religion
KB082	how often attend religious serv
Wave 9:	
LB053	importance of religion
LB082	how often attend religious serv
Wave 10:	
MB053	importance of religion
MB082	how often attend religious serv
Wave 11:	
NB053	importance of religion
NB082	how often attend religious serv
Wave 12:	
OB082	how often attend religious serv
Wave 13:	
PB082	how often attend religious serv
Wave 14:	
QB082	how often attend religious serv
Wave 15:	
RB082	how often attend religious serv

<b>Social Activities</b>
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Wave	Variable	Label	Type
09	R9SOCWK	r9socwk:w9 r any weekly social activities	Categ
10	R10SOCWK	r10socwk:w10 r any weekly social activities	Categ
11	R11SOCWK	r11socwk:w11 r any weekly social activities	Categ
12	R12SOCWK	r12socwk:w12 r any weekly social activities	Categ
13	R13SOCWK	r13socwk:w13 r any weekly social activities	Categ
14	R14SOCWK	r14socwk:w14 r any weekly social activities	Categ
15	R15SOCWK	r15socwk:w15 r any weekly social activities	Categ
09	S9SOCWK	s9socwk:w9 s any weekly social activities	Categ
10	S10SOCWK	s10socwk:w10 s any weekly social activities	Categ
11	S11SOCWK	s11socwk:w11 s any weekly social activities	Categ
12	S12SOCWK	s12socwk:w12 s any weekly social activities	Categ
13	S13SOCWK	s13socwk:w13 s any weekly social activities	Categ
14	S14SOCWK	s14socwk:w14 s any weekly social activities	Categ
15	S15SOCWK	s15socwk:w15 s any weekly social activities	Categ
09	R9SOCMN	r9socmn:w9 r any monthly social activities	Categ
10	R10SOCMN	r10socmn:w10 r any monthly social activities	Categ
11	R11SOCMN	r11socmn:w11 r any monthly social activities	Categ
12	R12SOCMN	r12socmn:w12 r any monthly social activities	Categ
13	R13SOCMN	r13socmn:w13 r any monthly social activities	Categ
14	R14SOCMN	r14socmn:w14 r any monthly social activities	Categ
15	R15SOCMN	r15socmn:w15 r any monthly social activities	Categ
09	S9SOCMN	s9socmn:w9 s any monthly social activities	Categ
10	S10SOCMN	s10socmn:w10 s any monthly social activities	Categ
11	S11SOCMN	s11socmn:w11 s any monthly social activities	Categ
12	S12SOCMN	s12socmn:w12 s any monthly social activities	Categ
13	S13SOCMN	s13socmn:w13 s any monthly social activities	Categ
14	S14SOCMN	s14socmn:w14 s any monthly social activities	Categ
15	S15SOCMN	s15socmn:w15 s any monthly social activities	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9SOCWK	6904	0.75	0.44	0.00	1.00
R10SOCWK	8259	0.49	0.50	0.00	1.00
R11SOCWK	7355	0.49	0.50	0.00	1.00
R12SOCWK	7516	0.49	0.50	0.00	1.00
R13SOCWK	6358	0.49	0.50	0.00	1.00
R14SOCWK	5724	0.48	0.50	0.00	1.00
R15SOCWK	4650	0.42	0.49	0.00	1.00
S9SOCWK	4351	0.73	0.44	0.00	1.00
S10SOCWK	5307	0.51	0.50	0.00	1.00
S11SOCWK	4615	0.52	0.50	0.00	1.00
S12SOCWK	4623	0.52	0.50	0.00	1.00
S13SOCWK	3777	0.52	0.50	0.00	1.00
S14SOCWK	3392	0.51	0.50	0.00	1.00
S15SOCWK	2658	0.44	0.50	0.00	1.00
R9SOCMN	6904	0.89	0.32	0.00	1.00
R10SOCMN	8259	0.79	0.41	0.00	1.00
R11SOCMN	7355	0.78	0.41	0.00	1.00
R12SOCMN	7516	0.78	0.41	0.00	1.00
R13SOCMN	6358	0.78	0.41	0.00	1.00

R14SOCMN	5724	0.78	0.42	0.00	1.00
R15SOCMN	4650	0.69	0.46	0.00	1.00
S9SOCMN	4351	0.89	0.31	0.00	1.00
S10SOCMN	5307	0.81	0.39	0.00	1.00
S11SOCMN	4615	0.81	0.39	0.00	1.00
S12SOCMN	4623	0.82	0.39	0.00	1.00
S13SOCMN	3777	0.81	0.39	0.00	1.00
S14SOCMN	3392	0.81	0.39	0.00	1.00
S15SOCMN	2658	0.71	0.45	0.00	1.00

### Categorical Variable Codes

Value-----				R9SOCWK	R10SOCWK
.l:no leave behind question				10144	13702
.m:Missing				169	73
0.no				1755	4189
1.yes				5149	4070

Value-----	R11SOCWK	R12SOCWK	R13SOCWK	R14SOCWK	R15SOCWK
.l:no leave behind question	13142	11206	14542	11407	11053
.m:Missing	57	25	12	15	20
0.no	3732	3803	3217	2948	2709
1.yes	3623	3713	3141	2776	1941

Value-----				S9SOCWK	S10SOCWK
.l:no leave behind question				6211	8174
.m:Missing				78	27
.u:not coupled				6212	7804
.v:SP NR				365	722
0.no				1160	2588
1.yes				3191	2719

Value-----	S11SOCWK	S12SOCWK	S13SOCWK	S14SOCWK	S15SOCWK
.l:no leave behind question	7840	6377	7998	5960	5798
.m:Missing	21	12	3	6	10
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	2231	2228	1817	1664	1481
1.yes	2384	2395	1960	1728	1177

Value-----				R9SOCMN	R10SOCMN
.l:no leave behind question				10144	13702
.m:Missing				169	73
0.no				775	1735
1.yes				6129	6524

Value-----	R11SOCMN	R12SOCMN	R13SOCMN	R14SOCMN	R15SOCMN
.l:no leave behind question	13142	11206	14542	11407	11053
.m:Missing	57	25	12	15	20
0.no	1596	1629	1401	1283	1454
1.yes	5759	5887	4957	4441	3196

Value-----				S9SOCMN	S10SOCMN
.l:no leave behind question				6211	8174
.m:Missing				78	27
.u:not coupled				6212	7804
.v:SP NR				365	722
0.no				485	988
1.yes				3866	4319

Value-----	S11SOCMN	S12SOCMN	S13SOCMN	S14SOCMN	S15SOCMN
.l:no leave behind question	7840	6377	7998	5960	5798
.m:Missing	21	12	3	6	10
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	866	850	721	642	766
1.yes	3749	3773	3056	2750	1892

### How Constructed:

RwSOCWK and RwSOCMN indicate whether the respondent participates in any social activities on a weekly or monthly basis, respectively. In the leave-behind questionnaire, the respondent is asked how often they participate in certain activities. Starting in Wave 9, these activities include: caring for a sick or disabled adult; doing activities with grandchildren, nieces/nephews, or neighborhood children; doing volunteer work with children or young people; doing any other volunteer or charity work; attending an education or training course; going to a sport, social, or other club; and attending meetings of non-religious organizations, such as political, community, or other interest groups. Starting in Wave 12, participating in a local community arts groups such as a choir, dance, photography, theatre, or music groups is added to the list of activities. RwSOCWK is assigned a value of 0 if the respondent participated in all of these activities several times a month, at least once a month, not in the last month, or never. RwSOCWK is assigned a value of 1 if the respondent participated in any of these activities daily, several times a week, or once a week. RwSOCMN is assigned a value of 0 if the respondent participated in all of these activities not in the last month or never. RwSOCMN is assigned a value of 1 if the respondent participated in any of these activities daily, several times a week, once a week, several times a month, or at least once a month. RwSOCWK and RwSOCMN are assigned special missing .1 if the respondent was not eligible for or did not complete the leave behind questionnaire. Don't know, refused, or other missing responses for RwSOCWK and RwSOCMN are assigned special missing codes .d, .r, .m, respectively. RwSOCWK and RwSOCMN are set to plain missing (.) for respondents who did not respond to the current wave.

SwsOCWK and SwsOCMN indicate whether the respondent's current wave's spouse participates in any social activities on a weekly or monthly basis, respectively. Their values are taken from the spouse's values to RwSOCWK and RwSOCMN. In addition to the special missing codes used in RwSOCWK and RwSOCMN, SwsOCWK and SwsOCMN employ two additional special missing values, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in HRS

Respondents are asked about the frequency of caring for a sick or disabled adult, doing activities with grandchildren, nieces/nephews, or neighborhood children, doing volunteer work with children or young people, doing any other volunteer or charity work, attending an education or training course, going to a sport, social, or other club, and attending meetings of non-religious organizations, such as political, community, or other interest groups starting in Wave 9. Respondents are asked about participating in a local community arts group such as a choir, dance, photography, theatre, or music group starting in Wave 12.

In Wave 9, respondents are given the following answer choices: 1.daily, 2.several times a week, 3.once a week, 4.several times a month, 5.at least once a month, 6.not in the last month. Starting in Wave 10, an additional answer choice is included: 7.never/not relevant.

## HRS Variables Used:

### Wave 9:

LLB001A	q1a. often care adult
LLB001B	q1b. often volunteer youth
LLB001C	q1c. often charity work
LLB001D	q1d. often education
LLB001E	q1e. often attend sports/social/club
LLB001F	q1f. often attend non religious orgs
LLB001G	q1g. often pray privately
LLBCOMP	mode completed leave behind qnaire
LLBELIG	2008 leave behind eligibility

### Wave 10:

MLB001A	q01a. often care adult
MLB001B	q01b. often do activities with grandchildren
MLB001C	q01c. often volunteer youth
MLB001D	q01d. often charity work
MLB001E	q01e. often education
MLB001F	q01f. often attend sports/social/club
MLB001G	q01g. often attend non religious orgs

MLBCOMP	mode completed leave behind qnaire
MLBELIG	2010 leave behind eligibility
Wave 11:	
NLB001A	q01a. often care adult
NLB001B	q01b. often do activities with grandchildren
NLB001C	q01c. often volunteer youth
NLB001D	q01d. often charity work
NLB001E	q01e. often education
NLB001F	q01f. often attend sports/social/club
NLB001G	q01g. often attend non religious orgs
NLBCOMP	mode completed leave behind qnaire
NLBELIG	2012 leave behind eligibility
Wave 12:	
OLB001A	q01a. often care adult
OLB001B	q01b. often do activities with grandchildren
OLB001C	q01c. often volunteer youth
OLB001D	q01d. often charity work
OLB001E	q01e. often education
OLB001F	q01f. often attend sports/social/club
OLB001G	q01g. often attend non religious orgs
OLB001U	q01u. participate community arts grp
OLBCOMP	mode completed leave behind qnaire
OLBELIG	2014 leave behind eligibility
Wave 13:	
PLB001A	q01a. often care adult
PLB001B	q01b. often do activities with grandchildren
PLB001C	q01c. often volunteer youth
PLB001D	q01d. often charity work
PLB001E	q01e. often education
PLB001F	q01f. often attend sports/social/club
PLB001G	q01g. often attend non religious orgs
PLB001U	q01u. participate community arts grp
PLBCOMP	mode completed leave behind qnaire
PLBELIG	2016 leave behind eligibility
Wave 14:	
QLB001A	q01a. care adult
QLB001B	q01b. do activities w/grandchildren
QLB001C	q01c. volunteer youth
QLB001D	q01d. charity work
QLB001E	q01e. education
QLB001F	q01f. attend sports/social/club
QLB001G	q01g. attend non religious orgs
QLB001U	q01u. participate community arts grp
QLBCOMP	mode completed leave behind qnaire
QLBELIG	2018 leave behind eligibility
Wave 15:	
RLB001A	q01a. care adult
RLB001B	q01b. do activities w/grandchildren
RLB001C	q01c. volunteer youth
RLB001D	q01d. charity work
RLB001E	q01e. education
RLB001F	q01f. attend sports/social/club
RLB001G	q01g. attend non religious orgs
RLB001U	q01u. participate community arts grp
RLBCOMP	mode completed leave behind qnaire
RLBELIG	2020 leave behind eligibility

<b>Weekly Contact with Children</b>
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Wave	Variable	Label	Type
03	H3KCNT	h3kcnt:w3 any weekly contact with children in person/phone/e	Categ
04	H4KCNT	h4kcnt:w4 any weekly contact with children in person/phone/e	Categ
05	H5KCNT	h5kcnt:w5 any weekly contact with children in person/phone/e	Categ
06	H6KCNT	h6kcnt:w6 any weekly contact with children in person/phone/e	Categ
07	H7KCNT	h7kcnt:w7 any weekly contact with children in person/phone/e	Categ
08	H8KCNT	h8kcnt:w8 any weekly contact with children in person/phone/e	Categ
09	H9KCNT	h9kcnt:w9 any weekly contact with children in person/phone/e	Categ
10	H10KCNT	h10kcnt:w10 any weekly contact with children in person/phone	Categ
11	H11KCNT	h11kcnt:w11 any weekly contact with children in person/phone	Categ
12	H12KCNT	h12kcnt:w12 any weekly contact with children in person/phone	Categ
13	H13KCNT	h13kcnt:w13 any weekly contact with children in person/phone	Categ
14	H14KCNT	h14kcnt:w14 any weekly contact with children in person/phone	Categ
15	H15KCNT	h15kcnt:w15 any weekly contact with children in person/phone	Categ
07	R7KCNTF	r7kcntf:w7 r any weekly contact with children in person	Categ
08	R8KCNTF	r8kcntf:w8 r any weekly contact with children in person	Categ
09	R9KCNTF	r9kcntf:w9 r any weekly contact with children in person	Categ
10	R10KCNTF	r10kcntf:w10 r any weekly contact with children in person	Categ
11	R11KCNTF	r11kcntf:w11 r any weekly contact with children in person	Categ
12	R12KCNTF	r12kcntf:w12 r any weekly contact with children in person	Categ
13	R13KCNTF	r13kcntf:w13 r any weekly contact with children in person	Categ
14	R14KCNTF	r14kcntf:w14 r any weekly contact with children in person	Categ
15	R15KCNTF	r15kcntf:w15 r any weekly contact with children in person	Categ
07	S7KCNTF	s7kcntf:w7 s any weekly contact with children in person	Categ
08	S8KCNTF	s8kcntf:w8 s any weekly contact with children in person	Categ
09	S9KCNTF	s9kcntf:w9 s any weekly contact with children in person	Categ
10	S10KCNTF	s10kcntf:w10 s any weekly contact with children in person	Categ
11	S11KCNTF	s11kcntf:w11 s any weekly contact with children in person	Categ
12	S12KCNTF	s12kcntf:w12 s any weekly contact with children in person	Categ
13	S13KCNTF	s13kcntf:w13 s any weekly contact with children in person	Categ
14	S14KCNTF	s14kcntf:w14 s any weekly contact with children in person	Categ
15	S15KCNTF	s15kcntf:w15 s any weekly contact with children in person	Categ
07	R7KCNTPM	r7kcntpm:w7 r any weekly contact with children by phone/mail	Categ
08	R8KCNTPM	r8kcntpm:w8 r any weekly contact with children by phone/mail	Categ
09	R9KCNTPM	r9kcntpm:w9 r any weekly contact with children by phone/mail	Categ
10	R10KCNTPM	r10kcntpm:w10 r any weekly contact with children by phone/ma	Categ
11	R11KCNTPM	r11kcntpm:w11 r any weekly contact with children by phone/ma	Categ
12	R12KCNTPM	r12kcntpm:w12 r any weekly contact with children by phone/ma	Categ
13	R13KCNTPM	r13kcntpm:w13 r any weekly contact with children by phone/ma	Categ
14	R14KCNTPM	r14kcntpm:w14 r any weekly contact with children by phone/ma	Categ
15	R15KCNTPM	r15kcntpm:w15 r any weekly contact with children by phone/ma	Categ
07	S7KCNTPM	s7kcntpm:w7 s any weekly contact with children by phone/mail	Categ
08	S8KCNTPM	s8kcntpm:w8 s any weekly contact with children by phone/mail	Categ
09	S9KCNTPM	s9kcntpm:w9 s any weekly contact with children by phone/mail	Categ
10	S10KCNTPM	s10kcntpm:w10 s any weekly contact with children by phone/ma	Categ
11	S11KCNTPM	s11kcntpm:w11 s any weekly contact with children by phone/ma	Categ
12	S12KCNTPM	s12kcntpm:w12 s any weekly contact with children by phone/ma	Categ
13	S13KCNTPM	s13kcntpm:w13 s any weekly contact with children by phone/ma	Categ
14	S14KCNTPM	s14kcntpm:w14 s any weekly contact with children by phone/ma	Categ
15	S15KCNTPM	s15kcntpm:w15 s any weekly contact with children by phone/ma	Categ
07	R7KCNT	r7kcnt:w7 r any weekly contact with children in person/phone	Categ
08	R8KCNT	r8kcnt:w8 r any weekly contact with children in person/phone	Categ
09	R9KCNT	r9kcnt:w9 r any weekly contact with children in person/phone	Categ

10	R10KCNT	r10kcnt:w10	r	any weekly contact with children in person/pho	Categ
11	R11KCNT	r11kcnt:w11	r	any weekly contact with children in person/pho	Categ
12	R12KCNT	r12kcnt:w12	r	any weekly contact with children in person/pho	Categ
13	R13KCNT	r13kcnt:w13	r	any weekly contact with children in person/pho	Categ
14	R14KCNT	r14kcnt:w14	r	any weekly contact with children in person/pho	Categ
15	R15KCNT	r15kcnt:w15	r	any weekly contact with children in person/pho	Categ
07	S7KCNT	s7kcnt:w7	s	any weekly contact with children in person/phone	Categ
08	S8KCNT	s8kcnt:w8	s	any weekly contact with children in person/phone	Categ
09	S9KCNT	s9kcnt:w9	s	any weekly contact with children in person/phone	Categ
10	S10KCNT	s10kcnt:w10	s	any weekly contact with children in person/pho	Categ
11	S11KCNT	s11kcnt:w11	s	any weekly contact with children in person/pho	Categ
12	S12KCNT	s12kcnt:w12	s	any weekly contact with children in person/pho	Categ
13	S13KCNT	s13kcnt:w13	s	any weekly contact with children in person/pho	Categ
14	S14KCNT	s14kcnt:w14	s	any weekly contact with children in person/pho	Categ
15	S15KCNT	s15kcnt:w15	s	any weekly contact with children in person/pho	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H3KCNT	10213	0.93	0.26	0.00	1.00
H4KCNT	8544	0.96	0.21	0.00	1.00
H5KCNT	17938	0.93	0.25	0.00	1.00
H6KCNT	16750	0.94	0.25	0.00	1.00
H7KCNT	18474	0.94	0.24	0.00	1.00
H8KCNT	5056	0.96	0.20	0.00	1.00
H9KCNT	15916	0.94	0.24	0.00	1.00
H10KCNT	9310	0.95	0.21	0.00	1.00
H11KCNT	18807	0.93	0.25	0.00	1.00
H12KCNT	6151	0.92	0.27	0.00	1.00
H13KCNT	18628	0.93	0.26	0.00	1.00
H14KCNT	6325	0.91	0.29	0.00	1.00
H15KCNT	13743	0.92	0.27	0.00	1.00
R7KCNTF	2757	0.48	0.50	0.00	1.00
R8KCNTF	6733	0.44	0.50	0.00	1.00
R9KCNTF	6167	0.43	0.50	0.00	1.00
R10KCNTF	7044	0.42	0.49	0.00	1.00
R11KCNTF	6333	0.41	0.49	0.00	1.00
R12KCNTF	6436	0.37	0.48	0.00	1.00
R13KCNTF	5282	0.37	0.48	0.00	1.00
R14KCNTF	4777	0.37	0.48	0.00	1.00
R15KCNTF	3934	0.37	0.48	0.00	1.00
S7KCNTF	2026	0.47	0.50	0.00	1.00
S8KCNTF	4672	0.43	0.49	0.00	1.00
S9KCNTF	3993	0.40	0.49	0.00	1.00
S10KCNTF	4635	0.40	0.49	0.00	1.00
S11KCNTF	4098	0.40	0.49	0.00	1.00
S12KCNTF	4076	0.35	0.48	0.00	1.00
S13KCNTF	3262	0.35	0.48	0.00	1.00
S14KCNTF	2916	0.36	0.48	0.00	1.00
S15KCNTF	2367	0.35	0.48	0.00	1.00
R7KCNTPM	2802	0.81	0.39	0.00	1.00
R8KCNTPM	6800	0.80	0.40	0.00	1.00
R9KCNTPM	6249	0.80	0.40	0.00	1.00
R10KCNTPM	7142	0.80	0.40	0.00	1.00
R11KCNTPM	6435	0.79	0.41	0.00	1.00
R12KCNTPM	6522	0.78	0.41	0.00	1.00
R13KCNTPM	5382	0.79	0.41	0.00	1.00
R14KCNTPM	4848	0.78	0.41	0.00	1.00

R15KCNTPM	4005	0.80	0.40	0.00	1.00
S7KCNTPM	2051	0.82	0.39	0.00	1.00
S8KCNTPM	4710	0.79	0.41	0.00	1.00
S9KCNTPM	4027	0.79	0.41	0.00	1.00
S10KCNTPM	4683	0.79	0.41	0.00	1.00
S11KCNTPM	4154	0.79	0.41	0.00	1.00
S12KCNTPM	4110	0.78	0.41	0.00	1.00
S13KCNTPM	3310	0.78	0.41	0.00	1.00
S14KCNTPM	2948	0.77	0.42	0.00	1.00
S15KCNTPM	2391	0.80	0.40	0.00	1.00
R7KCNT	2816	0.83	0.37	0.00	1.00
R8KCNT	6835	0.82	0.39	0.00	1.00
R9KCNT	6266	0.82	0.38	0.00	1.00
R10KCNT	7161	0.82	0.39	0.00	1.00
R11KCNT	6450	0.81	0.39	0.00	1.00
R12KCNT	6534	0.80	0.40	0.00	1.00
R13KCNT	5396	0.80	0.40	0.00	1.00
R14KCNT	4856	0.80	0.40	0.00	1.00
R15KCNT	4008	0.82	0.38	0.00	1.00
S7KCNT	2057	0.83	0.37	0.00	1.00
S8KCNT	4728	0.81	0.39	0.00	1.00
S9KCNT	4036	0.81	0.39	0.00	1.00
S10KCNT	4689	0.81	0.39	0.00	1.00
S11KCNT	4160	0.80	0.40	0.00	1.00
S12KCNT	4117	0.80	0.40	0.00	1.00
S13KCNT	3315	0.80	0.40	0.00	1.00
S14KCNT	2952	0.79	0.41	0.00	1.00
S15KCNT	2393	0.82	0.38	0.00	1.00

### Categorical Variable Codes

Value-----	H3KCNT	H4KCNT	H5KCNT
.d:DK	9	3	23
.k:no kids	1414	1604	1378
.m:Missing	143	219	209
.o:other	7	1	5
.q:data not available this	6198		
.r:Refuse	7	1	25
.s:skipped		11012	
0.no	717	382	1246
1.yes	9496	8162	16692

Value-----	H6KCNT	H7KCNT	H8KCNT	H9KCNT	H10KCNT
.d:DK	24	25	23	33	38
.k:no kids	1212	1385	1250	1114	1611
.m:Missing	136	215	97	133	282
.o:other	10	14		12	5
.r:Refuse	33	16	1	9	7
.s:skipped			12042		10781
0.no	1084	1120	210	996	445
1.yes	15666	17354	4846	14920	8865

Value-----	H11KCNT	H12KCNT	H13KCNT	H14KCNT	H15KCNT
.d:DK	111	22	97	20	195
.k:no kids	1461	1300	1698	1377	1275
.m:Missing	152	44	449	36	410
.o:other	2		3	2	76
.r:Refuse	21	14	37	8	24
.s:skipped		11216		9378	
0.no	1278	501	1382	572	1054
1.yes	17529	5650	17246	5753	12689

Value-----	R7KCNTF	R8KCNTF	R9KCNTF	R10KCNTF
.k:no children	275	657	612	871
.l:no leave-behind question	16864	10740	10144	13703



.m:Missing		233	339	294	416
0.no		1431	3750	3494	4120
1.yes		1326	2983	2673	2924
Value-----	R11KCNTF	R12KCNTF	R13KCNTF	R14KCNTF	R15KCNTF
.k:no children	716	807	731	661	510
.l:no leave-behind question	13142	11206	14542	11407	11053
.m:Missing	363	298	357	301	226
0.no	3705	4051	3343	2999	2459
1.yes	2628	2385	1939	1778	1475
Value-----		S7KCNTF	S8KCNTF	S9KCNTF	S10KCNTF
.k:no children		142	325	290	452
.l:no leave-behind question		10646	6539	6211	8174
.m:Missing		154	192	146	247
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		1073	2678	2381	2768
1.yes		953	1994	1612	1867
Value-----	S11KCNTF	S12KCNTF	S13KCNTF	S14KCNTF	S15KCNTF
.k:no children	333	414	325	330	210
.l:no leave-behind question	7840	6377	7998	5960	5798
.m:Missing	205	145	193	152	91
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	2443	2656	2122	1871	1540
1.yes	1655	1420	1140	1045	827
Value-----		R7KCNTPM	R8KCNTPM	R9KCNTPM	R10KCNTPM
.k:no children		275	656	608	873
.l:no leave-behind question		16864	10740	10144	13703
.m:Missing		188	273	216	316
0.no		519	1358	1248	1457
1.yes		2283	5442	5001	5685
Value-----	R11KCNTPM	R12KCNTPM	R13KCNTPM	R14KCNTPM	R15KCNTPM
.k:no children	714	805	729	659	510
.l:no leave-behind question	13142	11206	14542	11407	11053
.m:Missing	263	214	259	232	155
0.no	1351	1418	1140	1068	789
1.yes	5084	5104	4242	3780	3216
Value-----		S7KCNTPM	S8KCNTPM	S9KCNTPM	S10KCNTPM
.k:no children		142	325	291	453
.l:no leave-behind question		10646	6539	6211	8174
.m:Missing		129	154	111	198
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		377	982	841	996
1.yes		1674	3728	3186	3687
Value-----	S11KCNTPM	S12KCNTPM	S13KCNTPM	S14KCNTPM	S15KCNTPM
.k:no children	331	412	324	329	210
.l:no leave-behind question	7840	6377	7998	5960	5798
.m:Missing	151	113	146	121	67
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	890	903	728	682	474
1.yes	3264	3207	2582	2266	1917
Value-----		R7KCNT	R8KCNT	R9KCNT	R10KCNT
.k:no children		274	655	607	871
.l:no leave-behind question		16864	10740	10144	13703
.m:Missing		175	239	200	299
0.no		467	1239	1133	1312
1.yes		2349	5596	5133	5849
Value-----	R11KCNT	R12KCNT	R13KCNT	R14KCNT	R15KCNT
.k:no children	714	804	727	659	510
.l:no leave-behind question	13142	11206	14542	11407	11053
.m:Missing	248	203	247	224	152
0.no	1237	1289	1068	986	706
1.yes	5213	5245	4328	3870	3302
Value-----		S7KCNT	S8KCNT	S9KCNT	S10KCNT

.k:no children		142	324	290	452
.l:no leave-behind question		10646	6539	6211	8174
.m:Missing		123	137	103	193
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		342	891	768	891
1.yes		1715	3837	3268	3798

Value-----		S11KCNT	S12KCNT	S13KCNT	S14KCNT	S15KCNT
.k:no children		331	412	324	329	210
.l:no leave-behind question		7840	6377	7998	5960	5798
.m:Missing		145	106	141	117	65
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		816	822	676	628	425
1.yes		3344	3295	2639	2324	1968

## How Constructed:

HwKCNT indicates whether the respondent and/or their spouse (if applicable) were in weekly contact with at least one child in the past year, and is taken from the core interview. Starting in Wave 3, the family respondent is asked how often they or their spouse had contact, either in person or by phone, mail, or e-mail, with each child in the past year. The respondent provides the number of times with the options of the following time periods: day, week, every two weeks, month, year, other. HwKCNT is assigned a value of 0 if the respondent and/or their spouse were not in weekly contact with any children, and is assigned a value of 1 if the respondent and/or their spouse were in contact with any child at least once a week or had a child residing with them or temporarily away. HwKCNT is assigned special missing .k if the respondent reports not having any children. Responses using the "other" time frame are assigned special missing .o. This question is not asked for the AHEAD sample in Wave 3, so HwKCNT is assigned special missing .q in this wave. This question is skipped in specific waves when an alternate wave flag is employed, as such HwKCNT is assigned special missing .s in Waves 4, 8, 10, 12, and 14. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. HwKCNT is set to plain missing (.) for respondents who did not respond to the current wave.

RwKCNTF indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their children in person at the individual level, and is taken from the leave behind questionnaire. Respondents are first asked whether they have any children, and if so, how often they meet up with their children who don't live with them on average. RwKCNTF is assigned a code of 0 if the respondent meets up with their children once or twice a month, every few months, once or twice a year, or less than once a year or never. RwKCNTF is assigned a code of 1 if the respondent meets up with their children three or more times a week, or once or twice a week. RwKCNTF is assigned special missing .k if the respondent reports not having any children. RwKCNTF is assigned special missing .l if the respondent was not eligible for or did not complete the leave-behind questionnaire. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwKCNTF is assigned a blank missing (.) if the respondent did not participate in the current wave.

RwKCNTPM indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their children on the phone, by mail, or by e-mail at the individual level, and is taken from the leave behind questionnaire. Starting in Wave 12, it also indicates whether the respondent has weekly contact with any of their children through social media. Respondents are first asked whether they have children, and if so, how often they speak on the phone, write/e-mail, or are in contact through social media with their children who don't live with them on average. RwKCNTPM is assigned a code of 0 if the respondent speaks with their children on the phone, writes/e-mails, or contacts them through social media once or twice a month, every few months, once or twice a year, or less than once a year or never. RwKCNTPM is assigned a code of 1 if the respondent speaks with their children on the phone, writes/e-mails, or contacts them through social media three or more times a week, or once or twice a week. RwKCNTF is assigned special missing .k if the respondent reports not having any children. RwKCNTPM is assigned special missing .l if the respondent was not eligible for or did not complete the leave-behind questionnaire. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwKCNTPM is assigned a blank missing (.) if the respondent did not participate in the current wave.

RwKCNT indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their children either in person or by phone, mail, or e-mail at the individual level, and is taken from the leave behind questionnaire. Starting in Wave 12, it also indicates whether the respondent has weekly contact with any of their children through social media. RwKCNT is assigned a code of 0 if the respondent

meets up, speaks, writes, e-mails, or is in contact through social media with their children once or twice a month, every few months, once or twice a year, or less than once a year or never. RwcCNT is assigned a code of 1 if the respondent meets up, speaks, writes, e-mails, or is in contact through social media with their children three or more times a week, or once or twice a week. RwcCNTF is assigned special missing .k if the respondent reports not having any children. RwcCNT is assigned special missing .l if the respondent was not eligible for or did not complete the leave-behind questionnaire. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwcCNT is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwkCNTF, SwkCNTPM, and SwkCNT indicate whether the respondent's current wave's spouse has weekly contact with their children in person or by phone, mail, e-mail, or social media, and their values are taken from RwcCNTF, RwcCNTPM, and RwcCNT. In addition to the special missing codes employed by RwcCNTF, RwcCNTPM, and RwcCNT, SwkCNTF, SwkCNTPM, and SwkCNT employ two additional special missing codes, .u and .v. Special missing code .u is used when the respondent does not report being coupled in the current wave. Special missing .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

The question asking about contact between the respondent/spouse and their children (HwkcCNT) is not asked in Wave 1 or in the AHEAD or HRS cohorts in Wave 2. In Waves 3 through 5, the respondent is also given the choice of using "almost never" as the frequency for their response to how often the respondent and/or their spouse are in contact with each child. Alternate wave flags are used in Wave 4 and in even-numbered waves starting in Wave 8. As such, this question is not asked to a large portion of the sample of returning respondents in these waves.

Respondents are asked about individual contact between the respondent and their children (RwcCNTF, RwcCNTPM, and RwcCNT) in the leave-behind questionnaire starting in Wave 7. Starting in Wave 7, respondents are asked how frequently they meet up, speak on the phone, or write or email their children. Starting in Wave 12, respondents are also asked how frequently they communicate by Skype, Facebook, or other social media with their children.

### HRS Variables Used:

#### RAND HRS:

H10CHILD	h10child:w10 number of living children r/p
H11CHILD	h11child:w11 number of living children r/p
H12CHILD	h12child:w12 number of living children r/p
H13CHILD	h13child:w13 number of living children r/p
H14CHILD	h14child:w14 number of living children r/p
H15CHILD	h15child:w15 number of living children r/p
H3CHILD	h3child:w3 number of living children r/p
H4CHILD	h4child:w4 number of living children r/p
H5CHILD	h5child:w5 number of living children r/p
H6CHILD	h6child:w6 number of living children r/p
H7CHILD	h7child:w7 number of living children r/p
H8CHILD	h8child:w8 number of living children r/p
H9CHILD	h9child:w9 number of living children r/p

#### Wave 3 AHEAD:

DN_INHH	dn_inhh: # r's responding in hhold
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#### Wave 3 D\_MC:

E1365	status
E1367	REL TO IDFM
E1368	REL TO IDNFM
E1375	D4.FREQUENCY OF CONTACT
E1376	D4A.FREQ OF CONTACT PER

#### Wave 4 D\_MC:

F1782	CHILD STATUS
F1784	CHILD REL TO IDFM
F1785	CHILD REL TO IDNFM
F1795	D4.FREQUENCY OF CONTACT
F1796	D4A.FREQ OF CONTACT PER

Wave 5 D\_MC:  
 G1998 D1Y4.CHILD STATUS  
 G2000 D1Y6.CHILD REL TO IDFM  
 G2001 D1Y7.CHILD REL TO IDNFM  
 G2011 D4.FREQUENCY OF CONTACT  
 G2012 D4A.FREQ OF CONTACT PER

Wave 6:  
 HA106 count of contact kids

Wave 6 PR\_MC:  
 HX056\_MC residency status-updated  
 HX061\_MC relationship to r-updated  
 OPN pn of kid/hhm/sib and their spouses

Wave 6 E\_MC:  
 HE032 FREQ OF CONTACT WITH CHILD-# TIMES  
 HE033 FREQ OF CONTACT WITH CHILD-PER  
 OPN OTHER PERSON NUMBER

Wave 7:  
 JA106 count of contact kids  
 JLB510 q10. have any children  
 JLB512A q12a. meet up with children  
 JLB512B q12b. speak on the phone with children  
 JLB512C q12c. write or email children  
 JLBTYPE type of questionnaire r answered  
 JV900 leave behind instructions

Wave 7 PR\_MC:  
 JX056\_MC residency status-updated  
 JX061\_MC relationship to r-updated  
 OPN pn of kid/hhm/sib and their spouses

Wave 7 E\_MC:  
 JE032 FREQ OF CONTACT WITH CHILD-# TIMES  
 JE033 FREQ OF CONTACT WITH CHILD-PER  
 OPN OTHER PERSON NUMBER

Wave 8:  
 KA106 count of contact kids  
 KE165 altwave flag  
 KLB007 q07. have any children  
 KLB009A q09a. meet up with children  
 KLB009B q09b. speak on the phone with children  
 KLB009C q09c. write or email children  
 KLBCOMP mode completed leave behind qnaire  
 KLBELIG 2006 leave behind eligibility  
 KZ076 r ever interviewed

Wave 8 PR\_MC:  
 KX056\_MC residency status-updated  
 KX061\_MC relationship to r-updated  
 OPN pn of kid/hhm/sib and their spouses

Wave 8 E\_MC:  
 KE032 FREQ OF CONTACT WITH CHILD-# TIMES  
 KE033 FREQ OF CONTACT WITH CHILD-PER  
 OPN OTHER PERSON NUMBER

Wave 9:  
 LA106 count of contact kids  
 LLB007 q07. have any children  
 LLB009A q09a. meet up with children  
 LLB009B q09b. speak on the phone with children  
 LLB009C q09c. write or email children  
 LLBCOMP mode completed leave behind qnaire  
 LLBELIG 2008 leave behind eligibility

Wave 9 PR\_MC:  
 LX056\_MC residency status-updated  
 LX061\_MC relationship to r-updated  
 OPN pn of kid/hhm/sib and their spouses

Wave 9 E\_MC:

LE032	FREQ OF CONTACT WITH CHILD-# TIMES
LE033	FREQ OF CONTACT WITH CHILD-PER
OPN	OTHER PERSON NUMBER
Wave 10:	
MA106	count of contact kids
MLB007	q07. have any children
MLB009A	q09a. meet up with children
MLB009B	q09b. speak on the phone with children
MLB009C	q09c. write or email children
MLBCOMP	mode completed leave behind qnaire
MLBELIG	2010 leave behind eligibility
MZ076	r ever interviewed
Wave 10 PR_MC:	
MX056_MC	residency status-updated
MX061_MC	relationship to r-updated
OPN	pn of kid/hhm/sib and their spouses
Wave 10 E_MC:	
ME032	FREQ OF CONTACT WITH CHILD-# TIMES
ME033	FREQ OF CONTACT WITH CHILD-PER
OPN	OTHER PERSON NUMBER
Wave 11:	
NA106	count of contact kids
NLB007	q07. have any children
NLB009A	q09a. meet up with children
NLB009B	q09b. speak on the phone with children
NLB009C	q09c. write or email children
NLBCOMP	mode completed leave behind qnaire
NLBELIG	2012 leave behind eligibility
Wave 11 PR_MC:	
NX056_MC	residency status-updated
NX061_MC	relationship to r-updated
OPN	pn of kid/hhm/sib and their spouses
Wave 11 E_MC:	
NE032	FREQ OF CONTACT WITH CHILD-# TIMES
NE033	FREQ OF CONTACT WITH CHILD-PER
OPN	OTHER PERSON NUMBER
Wave 12:	
OA106	count of contact kids
OLB006	q06. have any children
OLB008A	q08a. meet up with children
OLB008B	q08b. speak on phone with children
OLB008C	q08c. write or email children
OLB008D	q08d. communicate by social media
OLBCOMP	mode completed leave behind qnaire
OLBELIG	2014 leave behind eligibility
OZ076	r ever interviewed
Wave 12 PR_MC:	
OPN	pn of kid/hhm/sib and their spouses
OX056_MC	residency status-updated
OX061_MC	relationship to r-updated
Wave 12 E_MC:	
OE032	FREQ OF CONTACT WITH CHILD-# TIMES
OE033	FREQ OF CONTACT WITH CHILD-PER
OEX061	PEOPLE RELATION TO R
OPN	OTHER PERSON NUMBER
Wave 13:	
PA106	count of contact kids
PLB006	q06. have any children
PLB008A	q08a. meet up with children
PLB008B	q08b. speak on phone with children
PLB008C	q08c. write or email children
PLB008D	q08d. communicate by social media
PLBCOMP	mode completed leave behind qnaire

PLBELIG	2016 leave behind eligibility
Wave 13 PR_MC:	
OPN	pn of kid/hhm/sib and their spouses
PX056_MC	residency status-updated
PX061_MC	relationship to r-updated
Wave 13 E_MC:	
OPN	OTHER PERSON NUMBER
PE032	FREQ OF CONTACT WITH CHILD-# TIMES
PE033	FREQ OF CONTACT WITH CHILD-PER
Wave 14:	
QA106	count of contact kids
QLB006	q06. have any children
QLB008A	q08a. meet up with children
QLB008B	q08b. speak on phone with children
QLB008C	q08c. write or email children
QLB008D	q08d. communicate by social media
QLBCOMP	mode completed leave behind qnaire
QLBELIG	2018 leave behind eligibility
Wave 14 PR_MC:	
OPN	PN OF KID/HHM/SIB AND THEIR SPOUSES
QX056_MC	RESIDENCY STATUS-UPDATED
QX061_MC	RELATIONSHIP TO R-UPDATED
Wave 14 E_MC:	
OPN	OTHER PERSON NUMBER
QE032	FREQ OF CONTACT WITH CHILD-# TIMES
QE033	FREQ OF CONTACT WITH CHILD-PER
Wave 15:	
RA106	count of contact kids
RLB006	q06. have any children
RLB008A	q08a. meet up with children
RLB008B	q08b. speak on phone with children
RLB008C	q08c. write or email children
RLB008D	q08d. communicate by social media
RLBCOMP	mode completed leave behind qnaire
RLBELIG	2020 leave behind eligibility
Wave 15 PR_MC:	
OPN	PN OF KID/HHM/SIB AND THEIR SPOUSES
RX056_MC	RESIDENCY STATUS-UPDATED
RX061_MC	RELATIONSHIP TO R-UPDATED
Wave 15 E_MC:	
OPN	OTHER PERSON NUMBER
RE032	FREQ OF CONTACT WITH CHILD-# TIMES
RE033	FREQ OF CONTACT WITH CHILD-PER

### Weekly Contact with Parents

Wave	Variable	Label	Type
02	H2PCNT	h2pcnt:w2 any weekly contact with parents in person/phone/em	Categ
03	H3PCNT	h3pcnt:w3 any weekly contact with parents in person/phone/em	Categ
04	H4PCNT	h4pcnt:w4 any weekly contact with parents in person/phone/em	Categ
05	H5PCNT	h5pcnt:w5 any weekly contact with parents in person/phone/em	Categ
06	H6PCNT	h6pcnt:w6 any weekly contact with parents in person/phone/em	Categ
07	H7PCNT	h7pcnt:w7 any weekly contact with parents in person/phone/em	Categ
08	H8PCNT	h8pcnt:w8 any weekly contact with parents in person/phone/em	Categ
09	H9PCNT	h9pcnt:w9 any weekly contact with parents in person/phone/em	Categ
10	H10PCNT	h10pcnt:w10 any weekly contact with parents in person/phone/	Categ
11	H11PCNT	h11pcnt:w11 any weekly contact with parents in person/phone/	Categ
12	H12PCNT	h12pcnt:w12 any weekly contact with parents in person/phone/	Categ
13	H13PCNT	h13pcnt:w13 any weekly contact with parents in person/phone/	Categ
14	H14PCNT	h14pcnt:w14 any weekly contact with parents in person/phone/	Categ
15	H15PCNT	h15pcnt:w15 any weekly contact with parents in person/phone/	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2PCNT	7098	0.74	0.44	0.00	1.00
H3PCNT	5975	0.76	0.43	0.00	1.00
H4PCNT	7680	0.78	0.41	0.00	1.00
H5PCNT	6300	0.79	0.41	0.00	1.00
H6PCNT	3526	0.76	0.43	0.00	1.00
H7PCNT	4975	0.77	0.42	0.00	1.00
H8PCNT	4045	0.79	0.41	0.00	1.00
H9PCNT	3350	0.77	0.42	0.00	1.00
H10PCNT	6463	0.79	0.41	0.00	1.00
H11PCNT	5500	0.80	0.40	0.00	1.00
H12PCNT	4374	0.80	0.40	0.00	1.00
H13PCNT	6436	0.80	0.40	0.00	1.00
H14PCNT	4613	0.83	0.37	0.00	1.00
H15PCNT	3614	0.86	0.35	0.00	1.00

### Categorical Variable Codes

Value-----	H2PCNT	H3PCNT	H4PCNT	H5PCNT
.d:DK	33	27	55	32
.m:Missing	196	200	273	243
.n:no living parents	4132	4728	13350	12955
.o:other		30	17	46
.q:data not available this	8222	7027		
.r:Refuse	1	4	9	2
0.no	1813	1454	1667	1352
1.yes	5285	4521	6013	4948

Value-----	H6PCNT	H7PCNT	H8PCNT	H9PCNT	H10PCNT
.d:DK	34	55	39	35	112
.m:Missing	271	269	238	247	341
.n:no living parents	14325	14794	14141	13582	15113
.o:other	2	32	4	1	1
.r:Refuse	7	4	2	2	4
0.no	852	1131	862	756	1378
1.yes	2674	3844	3183	2594	5085

Value-----	H11PCNT	H12PCNT	H13PCNT	H14PCNT	H15PCNT
.d:DK	120	102	146	148	170
.m:Missing	219	434	198	273	246
.n:no living parents	14710	13832	14101	12073	11566
.o:other		3	8	21	114

.r:Refuse		5	2	23	18	13
0.no		1096	895	1286	772	500
1.yes		4404	3479	5150	3841	3114

### How Constructed:

HwPCNT indicates whether the respondent and/or their spouse (if applicable) were in weekly contact with at least one parent on parent-in-law in the past year, and is taken from the core interview. Starting in the HRS cohort in Wave 2, the family respondent is asked how often they or their spouse had contact, either in person or by phone, mail, or e-mail, with their living parent(s) or parent(s)-in-law in the past year. The respondent provides the number of times with the options of the following time periods: day, week, every two weeks, month, year, almost never, other. HwPCNT is assigned a value of 0 if the respondent and/or their spouse were not in weekly contact with any parents or parents-in-law, and is assigned a value of 1 if the respondent and/or their spouse were in contact with any parent or parent-in-law at least once a week, or if at least one of their parents lives with them. HwPCNT is assigned a value of .n if the respondent and their spouse have no living parents. Responses using the "other" time frame are assigned special missing .o. This question is not asked for the AHEAD samples in Waves 2 and 3, so HwPCNT is assigned special missing .q in these waves. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. HwPCNT is set to plain missing (.) for respondents who did not respond to the current wave.

### Cross Wave Differences in HRS

This question is not asked in HRS Wave 1 and in the AHEAD samples in Waves 2 and 3.

The method of contact changes across the waves. In Waves 2 through 8, the family respondent is asked if they have contact in person or by phone or mail. Starting in Wave 9, the family respondent is asked if they have contact in person or by phone, mail, or e-mail.

In the HRS cohort in Wave 2, the family respondent is asked up to 4 questions about the frequency of contact with parents; if the parent was alive, the family respondent was asked separately for the respondent's mother, respondent's father, partner's mother, and partner's father. In Waves 3 through 5, there are 6 possible questions the family respondent is asked about the frequency of contact with parents; if the parent was alive, the family respondent was asked separately for the respondent's parents (together if both are alive and still together), respondent's mother, respondent's father, partner's parents (together if both are alive and still together), partner's mother, and partner's father. Starting in Wave 6, there are 3 possible questions the family respondent is asked about the frequency of contact with parents; if the parent was alive, the family respondent was asked about the respondent's parents (together if both are alive and still together), respondent's mother, and respondent's father.

### HRS Variables Used:

#### RAND HRS:

R10LIVPAR	r10livpar:w10	number of living parents
R11LIVPAR	r11livpar:w11	number of living parents
R12LIVPAR	r12livpar:w12	number of living parents
R13LIVPAR	r13livpar:w13	number of living parents
R14LIVPAR	r14livpar:w14	number of living parents
R15LIVPAR	r15livpar:w15	number of living parents
R2LIVPAR	r2livpar:w2	number of living parents
R3LIVPAR	r3livpar:w3	number of living parents
R4LIVPAR	r4livpar:w4	number of living parents
R5LIVPAR	r5livpar:w5	number of living parents
R6LIVPAR	r6livpar:w6	number of living parents
R7LIVPAR	r7livpar:w7	number of living parents
R8LIVPAR	r8livpar:w8	number of living parents
R9LIVPAR	r9livpar:w9	number of living parents

#### Wave 2 AHEAD:

BN_INHH	ahd w1: # r's responding in hhold
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#### Wave 2 HRS:

W8213PF	parent(s) live with whom? /p dad
W8213PM	parent(s) live with whom? /p mom
W8213RF	parent(s) live with whom? /r dad



W8213RM parent(s) live with whom? /r mom  
W8219PF parent(s): contact with /p dad  
W8219PM parent(s): contact with /p mom  
W8219RF parent(s): contact with /r dad  
W8219RM parent(s): contact with /r mom

Wave 3 AHEAD:  
DN\_INHH dn\_inhh: # r's responding in hhold

Wave 3 HRS:  
E1582\_1 d101.live with whom  
E1582\_2 d101.in-laws live with whom  
E1591\_1 d107.had contact parents  
E1591\_2 d107.had contact parents-in-law  
E1592\_1 d107a.freq of contact per  
E1592\_2 d107a.in-laws freq of contact per  
E1596\_1 d110.whom mother live  
E1596\_2 d110.whom mother-in-law live  
E1605\_1 d116.had contact  
E1605\_2 d116.in-laws had contact  
E1606\_1 d116a.freq of contact per  
E1606\_2 d116a.in-laws freq of contact per  
E1611\_1 d120.whom father live  
E1611\_2 d120.whom father-in-law live  
E1621\_1 d126.had contact fill14  
E1621\_2 d126.in-laws had contact fill14  
E1622\_1 d126a.freq of contact per  
E1622\_2 d126a.in-laws freq of contact per

Wave 4:  
F1933 d101.live with whom  
F1941 d107.had contact parents  
F1942 d107a.freq of contact per  
F1946 d110.whom mother live  
F1954 d116.had contact  
F1955 d116a.freq of contact per  
F1959 d120.whom father live  
F1967 d126.had contact fill14  
F1968 d126a.freq of contact per  
F2095 d101-2.live with whom  
F2103 d107-2.had contact p-in-laws  
F2104 d107a-2.freq of contact per  
F2108 d110-2.whom mother-in-law live  
F2116 d116-2.had contact  
F2117 d116a-2.freq of contact per  
F2121 d120-2.whom father-in-law live  
F2129 d126-2.had contact fill14  
F2130 d126a-2.freq of contact per

Wave 5:  
G2149 d101.live with whom  
G2157 d107.had contact parents  
G2158 d107a.freq of contact per  
G2162 d110.whom mother live  
G2170 d116.had contact  
G2171 d116a.freq of contact per  
G2175 d120.whom father live  
G2183 d126.had contact fill14  
G2184 d126a.freq of contact per  
G2336 d101-2.live with whom  
G2344 d107-2.had contact p-in-laws  
G2345 d107a-2.freq of contact per  
G2349 d110-2.whom mother-in-law live  
G2357 d116-2.had contact  
G2358 d116a-2.freq of contact per  
G2362 d120-2.whom father-in-law live  
G2370 d126-2.had contact fill14

G2371 dl26a-2.freq of contact per  
Wave 6:  
HF027 w/whom parents live  
HF038 freq contact w/parents  
HF039 freq contact w/parents- per  
HF043 w/whom mother live  
HF054 freq contact w/mother  
HF055 freq contact mother- per  
HF059 w/whom father live  
HF070 freq contact w/father  
HF071 freq contact father- per  
Wave 7:  
JF027 w/whom parents live  
JF038 freq contact w/parents  
JF039 freq contact w/parents- per  
JF043 w/whom mother live  
JF054 freq contact w/mother  
JF055 freq contact mother- per  
JF059 w/whom father live  
JF070 freq contact w/father  
JF071 freq contact father- per  
Wave 8:  
KF027 w/whom parents live  
KF038 freq contact w/parents  
KF039 freq contact w/parents- per  
KF043 w/whom mother live  
KF054 freq contact w/mother  
KF055 freq contact mother- per  
KF059 w/whom father live  
KF070 freq contact w/father  
KF071 freq contact father- per  
Wave 9:  
LF027 w/whom parents live  
LF038 freq contact w/parents  
LF039 freq contact w/parents- per  
LF043 w/whom mother live  
LF054 freq contact w/mother  
LF055 freq contact mother- per  
LF059 w/whom father live  
LF070 freq contact w/father  
LF071 freq contact father- per  
Wave 10:  
MF027 w/whom parents live  
MF038 freq contact w/parents  
MF039 freq contact w/parents- per  
MF043 w/whom mother live  
MF054 freq contact w/mother  
MF055 freq contact mother- per  
MF059 w/whom father live  
MF070 freq contact w/father  
MF071 freq contact father- per  
Wave 11:  
NF027 w/whom parents live  
NF038 freq contact w/parents  
NF039 freq contact w/parents- per  
NF043 w/whom mother live  
NF054 freq contact w/mother  
NF055 freq contact mother- per  
NF059 w/whom father live  
NF070 freq contact w/father  
NF071 freq contact father- per  
Wave 12:  
OF027 w/whom parents live

OF038	freq contact w/parents
OF039	freq contact w/parents- per
OF043	w/whom mother live
OF054	freq contact w/mother
OF055	freq contact mother- per
OF059	w/whom father live
OF070	freq contact w/father
OF071	freq contact father- per
Wave 13:	
PF027	w/whom parents live
PF038	freq contact w/parents
PF039	freq contact w/parents- per
PF043	w/whom mother live
PF054	freq contact w/mother
PF055	freq contact mother- per
PF059	w/whom father live
PF070	freq contact w/father
PF071	freq contact father- per
Wave 14:	
QF027	w/whom parents live
QF038	freq contact w/parents
QF039	freq contact w/parents- per
QF043	w/whom mother live
QF054	freq contact w/mother
QF055	freq contact mother- per
QF059	w/whom father live
QF070	freq contact w/father
QF071	freq contact father- per
Wave 15:	
RF027	w/whom parents live
RF038	freq contact w/parents
RF039	freq contact w/parents- per
RF043	w/whom mother live
RF054	freq contact w/mother
RF055	freq contact mother- per
RF059	w/whom father live
RF070	freq contact w/father
RF071	freq contact father- per

<b>Weekly Contact with Relatives or Friends</b>
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Wave	Variable	Label	Type
07	R7RFCNTF	r7rfcntf:w7 r any weekly contact with relative/friend in per	Categ
08	R8RFCNTF	r8rfcntf:w8 r any weekly contact with relative/friend in per	Categ
09	R9RFCNTF	r9rfcntf:w9 r any weekly contact with relative/friend in per	Categ
10	R10RFCNTF	r10rfcntf:w10 r any weekly contact with relative/friend in p	Categ
11	R11RFCNTF	r11rfcntf:w11 r any weekly contact with relative/friend in p	Categ
12	R12RFCNTF	r12rfcntf:w12 r any weekly contact with relative/friend in p	Categ
13	R13RFCNTF	r13rfcntf:w13 r any weekly contact with relative/friend in p	Categ
14	R14RFCNTF	r14rfcntf:w14 r any weekly contact with relative/friend in p	Categ
15	R15RFCNTF	r15rfcntf:w15 r any weekly contact with relative/friend in p	Categ
07	S7RFCNTF	s7rfcntf:w7 s any weekly contact with relative/friend in per	Categ
08	S8RFCNTF	s8rfcntf:w8 s any weekly contact with relative/friend in per	Categ
09	S9RFCNTF	s9rfcntf:w9 s any weekly contact with relative/friend in per	Categ
10	S10RFCNTF	s10rfcntf:w10 s any weekly contact with relative/friend in p	Categ
11	S11RFCNTF	s11rfcntf:w11 s any weekly contact with relative/friend in p	Categ
12	S12RFCNTF	s12rfcntf:w12 s any weekly contact with relative/friend in p	Categ
13	S13RFCNTF	s13rfcntf:w13 s any weekly contact with relative/friend in p	Categ
14	S14RFCNTF	s14rfcntf:w14 s any weekly contact with relative/friend in p	Categ
15	S15RFCNTF	s15rfcntf:w15 s any weekly contact with relative/friend in p	Categ
07	R7RFCNTPM	r7rfcntpm:w7 r any weekly contact with relative/friend by ph	Categ
08	R8RFCNTPM	r8rfcntpm:w8 r any weekly contact with relative/friend by ph	Categ
09	R9RFCNTPM	r9rfcntpm:w9 r any weekly contact with relative/friend by ph	Categ
10	R10RFCNTPM	r10rfcntpm:w10 r any weekly contact with relative/friend by	Categ
11	R11RFCNTPM	r11rfcntpm:w11 r any weekly contact with relative/friend by	Categ
12	R12RFCNTPM	r12rfcntpm:w12 r any weekly contact with relative/friend by	Categ
13	R13RFCNTPM	r13rfcntpm:w13 r any weekly contact with relative/friend by	Categ
14	R14RFCNTPM	r14rfcntpm:w14 r any weekly contact with relative/friend by	Categ
15	R15RFCNTPM	r15rfcntpm:w15 r any weekly contact with relative/friend by	Categ
07	S7RFCNTPM	s7rfcntpm:w7 s any weekly contact with relative/friend by ph	Categ
08	S8RFCNTPM	s8rfcntpm:w8 s any weekly contact with relative/friend by ph	Categ
09	S9RFCNTPM	s9rfcntpm:w9 s any weekly contact with relative/friend by ph	Categ
10	S10RFCNTPM	s10rfcntpm:w10 s any weekly contact with relative/friend by	Categ
11	S11RFCNTPM	s11rfcntpm:w11 s any weekly contact with relative/friend by	Categ
12	S12RFCNTPM	s12rfcntpm:w12 s any weekly contact with relative/friend by	Categ
13	S13RFCNTPM	s13rfcntpm:w13 s any weekly contact with relative/friend by	Categ
14	S14RFCNTPM	s14rfcntpm:w14 s any weekly contact with relative/friend by	Categ
15	S15RFCNTPM	s15rfcntpm:w15 s any weekly contact with relative/friend by	Categ
07	R7RFCNT	r7rfcnt:w7 r any weekly contact with relative/friend in pers	Categ
08	R8RFCNT	r8rfcnt:w8 r any weekly contact with relative/friend in pers	Categ
09	R9RFCNT	r9rfcnt:w9 r any weekly contact with relative/friend in pers	Categ
10	R10RFCNT	r10rfcnt:w10 r any weekly contact with relative/friend in pe	Categ
11	R11RFCNT	r11rfcnt:w11 r any weekly contact with relative/friend in pe	Categ
12	R12RFCNT	r12rfcnt:w12 r any weekly contact with relative/friend in pe	Categ
13	R13RFCNT	r13rfcnt:w13 r any weekly contact with relative/friend in pe	Categ
14	R14RFCNT	r14rfcnt:w14 r any weekly contact with relative/friend in pe	Categ
15	R15RFCNT	r15rfcnt:w15 r any weekly contact with relative/friend in pe	Categ
07	S7RFCNT	s7rfcnt:w7 s any weekly contact with relative/friend in pers	Categ
08	S8RFCNT	s8rfcnt:w8 s any weekly contact with relative/friend in pers	Categ
09	S9RFCNT	s9rfcnt:w9 s any weekly contact with relative/friend in pers	Categ
10	S10RFCNT	s10rfcnt:w10 s any weekly contact with relative/friend in pe	Categ
11	S11RFCNT	s11rfcnt:w11 s any weekly contact with relative/friend in pe	Categ
12	S12RFCNT	s12rfcnt:w12 s any weekly contact with relative/friend in pe	Categ
13	S13RFCNT	s13rfcnt:w13 s any weekly contact with relative/friend in pe	Categ

14 S14RFCNT s14rfcnt:w14 s any weekly contact with relative/friend in pe Categ  
 15 S15RFCNT s15rfcnt:w15 s any weekly contact with relative/friend in pe Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7RFCNTF	3213	0.59	0.49	0.00	1.00
R8RFCNTF	7625	0.55	0.50	0.00	1.00
R9RFCNTF	6972	0.53	0.50	0.00	1.00
R10RFCNTF	8254	0.51	0.50	0.00	1.00
R11RFCNTF	7345	0.51	0.50	0.00	1.00
R12RFCNTF	7481	0.48	0.50	0.00	1.00
R13RFCNTF	6318	0.46	0.50	0.00	1.00
R14RFCNTF	5699	0.46	0.50	0.00	1.00
R15RFCNTF	4634	0.40	0.49	0.00	1.00
S7RFCNTF	2288	0.57	0.50	0.00	1.00
S8RFCNTF	5147	0.53	0.50	0.00	1.00
S9RFCNTF	4378	0.51	0.50	0.00	1.00
S10RFCNTF	5295	0.49	0.50	0.00	1.00
S11RFCNTF	4608	0.50	0.50	0.00	1.00
S12RFCNTF	4615	0.45	0.50	0.00	1.00
S13RFCNTF	3763	0.43	0.49	0.00	1.00
S14RFCNTF	3373	0.44	0.50	0.00	1.00
S15RFCNTF	2657	0.37	0.48	0.00	1.00
R7RFCNTPM	3231	0.75	0.43	0.00	1.00
R8RFCNTPM	7650	0.74	0.44	0.00	1.00
R9RFCNTPM	7003	0.74	0.44	0.00	1.00
R10RFCNTPM	8277	0.75	0.43	0.00	1.00
R11RFCNTPM	7374	0.75	0.43	0.00	1.00
R12RFCNTPM	7501	0.75	0.43	0.00	1.00
R13RFCNTPM	6340	0.76	0.43	0.00	1.00
R14RFCNTPM	5714	0.75	0.43	0.00	1.00
R15RFCNTPM	4650	0.77	0.42	0.00	1.00
S7RFCNTPM	2298	0.73	0.45	0.00	1.00
S8RFCNTPM	5155	0.71	0.45	0.00	1.00
S9RFCNTPM	4396	0.71	0.45	0.00	1.00
S10RFCNTPM	5306	0.73	0.45	0.00	1.00
S11RFCNTPM	4620	0.73	0.44	0.00	1.00
S12RFCNTPM	4624	0.72	0.45	0.00	1.00
S13RFCNTPM	3770	0.72	0.45	0.00	1.00
S14RFCNTPM	3382	0.72	0.45	0.00	1.00
S15RFCNTPM	2661	0.74	0.44	0.00	1.00
R7RFCNT	3236	0.80	0.40	0.00	1.00
R8RFCNT	7662	0.80	0.40	0.00	1.00
R9RFCNT	7011	0.80	0.40	0.00	1.00
R10RFCNT	8280	0.80	0.40	0.00	1.00
R11RFCNT	7377	0.80	0.40	0.00	1.00
R12RFCNT	7505	0.79	0.41	0.00	1.00
R13RFCNT	6340	0.79	0.40	0.00	1.00
R14RFCNT	5715	0.79	0.40	0.00	1.00
R15RFCNT	4651	0.79	0.40	0.00	1.00
S7RFCNT	2299	0.78	0.41	0.00	1.00
S8RFCNT	5162	0.77	0.42	0.00	1.00
S9RFCNT	4399	0.77	0.42	0.00	1.00
S10RFCNT	5307	0.78	0.41	0.00	1.00
S11RFCNT	4621	0.78	0.41	0.00	1.00
S12RFCNT	4624	0.77	0.42	0.00	1.00

S13RFCNT	3770	0.76	0.42	0.00	1.00
S14RFCNT	3383	0.77	0.42	0.00	1.00
S15RFCNT	2661	0.77	0.42	0.00	1.00

### Categorical Variable Codes

Value-----		R7RFCNTF	R8RFCNTF	R9RFCNTF	R10RFCNTF
.l:no leave-behind question		16857	10739	10144	13701
.m:Missing		59	105	101	79
0.no		1329	3414	3253	4014
1.yes		1884	4211	3719	4240

Value-----	R11RFCNTF	R12RFCNTF	R13RFCNTF	R14RFCNTF	R15RFCNTF
.l:no leave-behind question	13142	11206	14543	11407	11053
.m:Missing	67	60	51	40	36
0.no	3601	3890	3437	3083	2765
1.yes	3744	3591	2881	2616	1869

Value-----		S7RFCNTF	S8RFCNTF	S9RFCNTF	S10RFCNTF
.l:no leave-behind question		10642	6538	6211	8174
.m:Missing		38	43	51	39
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		988	2441	2163	2706
1.yes		1300	2706	2215	2589

Value-----	S11RFCNTF	S12RFCNTF	S13RFCNTF	S14RFCNTF	S15RFCNTF
.l:no leave-behind question	7840	6377	7998	5960	5798
.m:Missing	28	20	17	25	11
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	2326	2539	2158	1901	1683
1.yes	2282	2076	1605	1472	974

Value-----		R7RFCNTPM	R8RFCNTPM	R9RFCNTPM	R10RFCNTPM
.l:no leave-behind question		16857	10739	10144	13702
.m:Missing		41	80	70	55
0.no		797	1987	1845	2043
1.yes		2434	5663	5158	6234

Value-----	R11RFCNTPM	R12RFCNTPM	R13RFCNTPM	R14RFCNTPM	R15RFCNTPM
.l:no leave-behind question	13142	11206	14542	11407	11053
.m:Missing	38	40	30	25	20
0.no	1830	1893	1541	1407	1077
1.yes	5544	5608	4799	4307	3573

Value-----		S7RFCNTPM	S8RFCNTPM	S9RFCNTPM	S10RFCNTPM
.l:no leave-behind question		10641	6538	6211	8174
.m:Missing		29	35	33	28
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		629	1504	1277	1457
1.yes		1669	3651	3119	3849

Value-----	S11RFCNTPM	S12RFCNTPM	S13RFCNTPM	S14RFCNTPM	S15RFCNTPM
.l:no leave-behind question	7840	6377	7998	5960	5798
.m:Missing	16	11	10	16	7
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	1252	1301	1045	949	698
1.yes	3368	3323	2725	2433	1963

Value-----		R7RFCNT	R8RFCNT	R9RFCNT	R10RFCNT
.l:no leave-behind question		16856	10739	10144	13701
.m:Missing		37	68	62	53
0.no		637	1557	1432	1631
1.yes		2599	6105	5579	6649

Value-----	R11RFCNT	R12RFCNT	R13RFCNT	R14RFCNT	R15RFCNT
.l:no leave-behind question	13142	11206	14542	11407	11053
.m:Missing	35	36	30	24	19
0.no	1485	1562	1301	1172	955
1.yes	5892	5943	5039	4543	3696

Value-----	S7RFCNT	S8RFCNT	S9RFCNT	S10RFCNT
.l:no leave-behind question	10641	6538	6211	8174
.m:Missing	28	28	30	27
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	504	1168	998	1170
1.yes	1795	3994	3401	4137

Value-----	S11RFCNT	S12RFCNT	S13RFCNT	S14RFCNT	S15RFCNT
.l:no leave-behind question	7840	6377	7998	5960	5798
.m:Missing	15	11	10	15	7
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	1006	1077	886	790	624
1.yes	3615	3547	2884	2593	2037

## How Constructed:

RwRFCNTF indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their relatives or friends in person at the individual level, and is taken from the leave behind questionnaire. Respondents are first asked whether they have any relatives and whether they have any friends, and if so, how often they meet up with their relatives and friends, respectively, on average. RwRFCNTF is assigned a code of 0 if the respondent has no relatives or friends, or meets up with relatives or friends once or twice a month, every few months, once or twice a year, or less than once a year or never. RwRFCNTF is assigned a code of 1 if the respondent meets up with relatives or friends three or more times a week, or once or twice a week. RwRFCNTF is assigned special missing .l if the respondent was not eligible for or did not complete the leave-behind questionnaire. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwRFCNTF is assigned a blank missing (.) if the respondent did not participate in the current wave.

RwRFCNTPM indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their relatives or friends on the phone, by mail, or by e-mail at the individual level, and is taken from the leave behind questionnaire. Starting in Wave 12, it also indicates whether the respondent has weekly contact with any of their relatives or friends through social media. Respondents are first asked whether they have any relatives and whether they have any friends, and if so, how often they speak on the phone, write/e-mail, or are in contact through social media with their relatives and friends, respectively, on average. RwRFCNTPM is assigned a code of 0 if the respondent has no relatives or friends, or speaks with relatives or friends on the phone or by mail/e-mail or social media once or twice a month, every few months, once or twice a year, or less than once a year or never. RwRFCNTPM is assigned a code of 1 if the respondent speaks with relatives or friends on the phone or by mail/e-mail or social media three or more times a week, or once or twice a week. RwRFCNTPM is assigned special missing .l if the respondent was not eligible for or did not complete the leave-behind questionnaire. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwRFCNTPM is assigned a blank missing (.) if the respondent did not participate in the current wave.

RwRFCNT indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their relatives or friends either in person or by phone, mail, or e-mail at the individual level, and is taken from the leave behind questionnaire. Starting in Wave 12, it also indicates whether the respondent has weekly contact with any of their relatives or friends through social media. RwRFCNT is assigned a code of 0 if the respondent has no relatives or friends, or meets up or speaks, mails, e-mails, or is in contact through social media with relatives or friends once or twice a month, every few months, once or twice a year, or less than once a year or never. RwRFCNT is assigned a code of 1 if the respondent meets up or speaks, mails, e-mails, or is in contact through social media with relatives or friends three or more times a week, or once or twice a week. RwRFCNT is assigned special missing .l if the respondent was not eligible for or did not complete the leave-behind questionnaire. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwRFCNT is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRFCNTF, SwRFCNTPM, and SwRFCNT indicate whether the respondent's current wave's spouse has weekly contact with their relatives or friends in person or by phone, mail, e-mail, or social media, and their values are taken from RwRFCNTF, RwRFCNTPM, and RwRFCNT. In addition to the special missing codes employed by RwRFCNTF, RwRFCNTPM, and RwRFCNT, SwRFCNTF, SwRFCNTPM, and SwRFCNT employ two additional special missing codes, .u and .v. Special missing code .u is used when the respondent does not report being coupled in the current wave. Special missing .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that respondents are asked separately about the frequency of contact with their relatives and friends. The frequency of contact with relatives and friends has been combined in the Harmonized HRS to provide a consistent measure across Harmonized datasets, but comparable variables considering only relatives or considering only friends can be created based on the HRS data.

### Cross Wave Differences in HRS

Respondents are asked about individual contact between the respondent and their relatives and friends (RwRFCNTF, RwRFCNTPM, and RwRFCNT) in the leave-behind questionnaire starting in Wave 7. Starting in Wave 7, respondents are asked how frequently they meet up, speak on the phone, or write or email their relatives or friends. Starting in Wave 12, respondents are also asked how frequently they communicate by Skype, Facebook, or other social media with their relatives or friends.

### HRS Variables Used:

#### Wave 7:

JLB514	q14. have any other immediate family
JLB516A	q16a. meet up with oth family members
JLB516B	q16b. speak on phone with oth fam mem
JLB516C	q16c. write or email oth family members
JLB518	q18. have any friends
JLB520A	q20a. meet up with friends
JLB520B	q20b. speak on phone with friends
JLB520C	q20c. write or email friends
JLBTYPE	type of questionnaire r answered
JV900	leave behind instructions

#### Wave 8:

KLB011	q11. have any other immediate family
KLB013A	q13a. meet up with oth family members
KLB013B	q13b. speak on phone with oth fam mem
KLB013C	q13c. write or email oth family members
KLB015	q15. have any friends
KLB017A	q17a. meet up with friends
KLB017B	q17b. speak on phone with friends
KLB017C	q17c. write or email friends
KLBCOMP	mode completed leave behind qnaire
KLBELIG	2006 leave behind eligibility

#### Wave 9:

LLB011	q11. have any other immediate family
LLB013A	q13a. meet up with oth family members
LLB013B	q13b. speak on phone with oth fam mem
LLB013C	q13c. write or email oth family members
LLB015	q15. have any friends
LLB017A	q17a. meet up with friends
LLB017B	q17b. speak on phone with friends
LLB017C	q17c. write or email friends
LLBCOMP	mode completed leave behind qnaire
LLBELIG	2008 leave behind eligibility

#### Wave 10:

MLB011	q11. have any other immediate family
MLB013A	q13a. meet up with oth family members
MLB013B	q13b. speak on phone with oth fam mem
MLB013C	q13c. write or email oth family members
MLB015	q15. have any friends
MLB017A	q17a. meet up with friends
MLB017B	q17b. speak on phone with friends
MLB017C	q17c. write or email friends
MLBCOMP	mode completed leave behind qnaire
MLBELIG	2010 leave behind eligibility

#### Wave 11:

NLB011	q11. have any other immediate family
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NLB013A	q13a. meet up with oth family members
NLB013B	q13b. speak on phone with oth fam mem
NLB013C	q13c. write or email oth family members
NLB015	q15. have any friends
NLB017A	q17a. meet up with friends
NLB017B	q17b. speak on phone with friends
NLB017C	q17c. write or email friends
NLBCOMP	mode completed leave behind qnaire
NLBELIG	2012 leave behind eligibility
Wave 12:	
OLB010	q10. have any other immediate family
OLB012A	q12a. meet up with oth family members
OLB012B	q12b. speak on phone with oth fam mem
OLB012C	q12c. write or email oth family members
OLB012D	q12d. communicate by social media
OLB014	q14. have any friends
OLB016A	q16a. meet up with friends
OLB016B	q16b. speak on phone with friends
OLB016C	q16c. write or email friends
OLB016D	q16d. communicate by social media
OLBCOMP	mode completed leave behind qnaire
OLBELIG	2014 leave behind eligibility
Wave 13:	
PLB010	q10. have any other immediate family
PLB012A	q12a. meet up with oth family members
PLB012B	q12b. speak on phone with oth fam mem
PLB012C	q12c. write or email oth family members
PLB012D	q12d. communicate by social media
PLB014	q14. have any friends
PLB016A	q16a. meet up with friends
PLB016B	q16b. speak on phone with friends
PLB016C	q16c. write or email friends
PLB016D	q16d. communicate by social media
PLBCOMP	mode completed leave behind qnaire
PLBELIG	2016 leave behind eligibility
Wave 14:	
QLB010	q10. any other immediate family
QLB012A	q12a. meet up with oth fam mems
QLB012B	q12b. speak on phone with fam mem
QLB012C	q12c. write or email oth fam mems
QLB012D	q12d. communicate by social media
QLB014	q14. have any friends
QLB016A	q16a. meet up with friends
QLB016B	q16b. speak on phone with friends
QLB016C	q16c. write or email friends
QLB016D	q16d. communicate by social media
QLBCOMP	mode completed leave behind qnaire
QLBELIG	2018 leave behind eligibility
Wave 15:	
RLB010	q10. any other immediate family
RLB012A	q12a. meet up with oth fam mems
RLB012B	q12b. speak on phone with fam mem
RLB012C	q12c. write or email oth fam mems
RLB012D	q12d. communicate by social media
RLB014	q14. have any friends
RLB016A	q16a. meet up with friends
RLB016B	q16b. speak on phone with friends
RLB016C	q16c. write or email friends
RLB016D	q16d. communicate by social media
RLBCOMP	mode completed leave behind qnaire
RLBELIG	2020 leave behind eligibility

## **Section H: Employment History**

<b>Current Job Characteristics: Frequency</b>
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Wave	Variable	Label	Type
01	R1JCONCNTRB	r1jconcntrb:w1 r freq cur job concentration	Categ
02	R2JCONCNTRB	r2jconcntrb:w2 r freq cur job concentration	Categ
03	R3JCONCNTRB	r3jconcntrb:w3 r freq cur job concentration	Categ
04	R4JCONCNTRB	r4jconcntrb:w4 r freq cur job concentration	Categ
05	R5JCONCNTRB	r5jconcntrb:w5 r freq cur job concentration	Categ
06	R6JCONCNTRB	r6jconcntrb:w6 r freq cur job concentration	Categ
07	R7JCONCNTRB	r7jconcntrb:w7 r freq cur job concentration	Categ
08	R8JCONCNTRB	r8jconcntrb:w8 r freq cur job concentration	Categ
09	R9JCONCNTRB	r9jconcntrb:w9 r freq cur job concentration	Categ
10	R10JCONCNTRB	r10jconcntrb:w10 r freq cur job concentration	Categ
11	R11JCONCNTRB	r11jconcntrb:w11 r freq cur job concentration	Categ
12	R12JCONCNTRB	r12jconcntrb:w12 r freq cur job concentration	Categ
13	R13JCONCNTRB	r13jconcntrb:w13 r freq cur job concentration	Categ
14	R14JCONCNTRB	r14jconcntrb:w14 r freq cur job concentration	Categ
15	R15JCONCNTRB	r15jconcntrb:w15 r freq cur job concentration	Categ
01	S1JCONCNTRB	s1jconcntrb:w1 s freq cur job concentration	Categ
02	S2JCONCNTRB	s2jconcntrb:w2 s freq cur job concentration	Categ
03	S3JCONCNTRB	s3jconcntrb:w3 s freq cur job concentration	Categ
04	S4JCONCNTRB	s4jconcntrb:w4 s freq cur job concentration	Categ
05	S5JCONCNTRB	s5jconcntrb:w5 s freq cur job concentration	Categ
06	S6JCONCNTRB	s6jconcntrb:w6 s freq cur job concentration	Categ
07	S7JCONCNTRB	s7jconcntrb:w7 s freq cur job concentration	Categ
08	S8JCONCNTRB	s8jconcntrb:w8 s freq cur job concentration	Categ
09	S9JCONCNTRB	s9jconcntrb:w9 s freq cur job concentration	Categ
10	S10JCONCNTRB	s10jconcntrb:w10 s freq cur job concentration	Categ
11	S11JCONCNTRB	s11jconcntrb:w11 s freq cur job concentration	Categ
12	S12JCONCNTRB	s12jconcntrb:w12 s freq cur job concentration	Categ
13	S13JCONCNTRB	s13jconcntrb:w13 s freq cur job concentration	Categ
14	S14JCONCNTRB	s14jconcntrb:w14 s freq cur job concentration	Categ
15	S15JCONCNTRB	s15jconcntrb:w15 s freq cur job concentration	Categ
01	R1JDEALPPLB	r1jdealpplb:w1 r freq cur job dealing with people	Categ
02	R2JDEALPPLB	r2jdealpplb:w2 r freq cur job dealing with people	Categ
03	R3JDEALPPLB	r3jdealpplb:w3 r freq cur job dealing with people	Categ
04	R4JDEALPPLB	r4jdealpplb:w4 r freq cur job dealing with people	Categ
05	R5JDEALPPLB	r5jdealpplb:w5 r freq cur job dealing with people	Categ
06	R6JDEALPPLB	r6jdealpplb:w6 r freq cur job dealing with people	Categ
07	R7JDEALPPLB	r7jdealpplb:w7 r freq cur job dealing with people	Categ
08	R8JDEALPPLB	r8jdealpplb:w8 r freq cur job dealing with people	Categ
09	R9JDEALPPLB	r9jdealpplb:w9 r freq cur job dealing with people	Categ
10	R10JDEALPPLB	r10jdealpplb:w10 r freq cur job dealing with people	Categ
11	R11JDEALPPLB	r11jdealpplb:w11 r freq cur job dealing with people	Categ
12	R12JDEALPPLB	r12jdealpplb:w12 r freq cur job dealing with people	Categ
13	R13JDEALPPLB	r13jdealpplb:w13 r freq cur job dealing with people	Categ
14	R14JDEALPPLB	r14jdealpplb:w14 r freq cur job dealing with people	Categ
15	R15JDEALPPLB	r15jdealpplb:w15 r freq cur job dealing with people	Categ
01	S1JDEALPPLB	s1jdealpplb:w1 s freq cur job dealing with people	Categ
02	S2JDEALPPLB	s2jdealpplb:w2 s freq cur job dealing with people	Categ
03	S3JDEALPPLB	s3jdealpplb:w3 s freq cur job dealing with people	Categ
04	S4JDEALPPLB	s4jdealpplb:w4 s freq cur job dealing with people	Categ
05	S5JDEALPPLB	s5jdealpplb:w5 s freq cur job dealing with people	Categ
06	S6JDEALPPLB	s6jdealpplb:w6 s freq cur job dealing with people	Categ
07	S7JDEALPPLB	s7jdealpplb:w7 s freq cur job dealing with people	Categ
08	S8JDEALPPLB	s8jdealpplb:w8 s freq cur job dealing with people	Categ
09	S9JDEALPPLB	s9jdealpplb:w9 s freq cur job dealing with people	Categ

10	S10JDEALPPLB	s10jdealpplb:w10	s	freq	cur	job	dealing	with	people	Categ
11	S11JDEALPPLB	s11jdealpplb:w11	s	freq	cur	job	dealing	with	people	Categ
12	S12JDEALPPLB	s12jdealpplb:w12	s	freq	cur	job	dealing	with	people	Categ
13	S13JDEALPPLB	s13jdealpplb:w13	s	freq	cur	job	dealing	with	people	Categ
14	S14JDEALPPLB	s14jdealpplb:w14	s	freq	cur	job	dealing	with	people	Categ
15	S15JDEALPPLB	s15jdealpplb:w15	s	freq	cur	job	dealing	with	people	Categ
01	R1JCOMPUTB	r1jcomputb:w1	r	freq	cur	job	computers			Categ
05	R5JCOMPUTB	r5jcomputb:w5	r	freq	cur	job	computers			Categ
06	R6JCOMPUTB	r6jcomputb:w6	r	freq	cur	job	computers			Categ
07	R7JCOMPUTB	r7jcomputb:w7	r	freq	cur	job	computers			Categ
08	R8JCOMPUTB	r8jcomputb:w8	r	freq	cur	job	computers			Categ
09	R9JCOMPUTB	r9jcomputb:w9	r	freq	cur	job	computers			Categ
10	R10JCOMPUTB	r10jcomputb:w10	r	freq	cur	job	computers			Categ
11	R11JCOMPUTB	r11jcomputb:w11	r	freq	cur	job	computers			Categ
12	R12JCOMPUTB	r12jcomputb:w12	r	freq	cur	job	computers			Categ
13	R13JCOMPUTB	r13jcomputb:w13	r	freq	cur	job	computers			Categ
14	R14JCOMPUTB	r14jcomputb:w14	r	freq	cur	job	computers			Categ
15	R15JCOMPUTB	r15jcomputb:w15	r	freq	cur	job	computers			Categ
01	S1JCOMPUTB	s1jcomputb:w1	s	freq	cur	job	computers			Categ
05	S5JCOMPUTB	s5jcomputb:w5	s	freq	cur	job	computers			Categ
06	S6JCOMPUTB	s6jcomputb:w6	s	freq	cur	job	computers			Categ
07	S7JCOMPUTB	s7jcomputb:w7	s	freq	cur	job	computers			Categ
08	S8JCOMPUTB	s8jcomputb:w8	s	freq	cur	job	computers			Categ
09	S9JCOMPUTB	s9jcomputb:w9	s	freq	cur	job	computers			Categ
10	S10JCOMPUTB	s10jcomputb:w10	s	freq	cur	job	computers			Categ
11	S11JCOMPUTB	s11jcomputb:w11	s	freq	cur	job	computers			Categ
12	S12JCOMPUTB	s12jcomputb:w12	s	freq	cur	job	computers			Categ
13	S13JCOMPUTB	s13jcomputb:w13	s	freq	cur	job	computers			Categ
14	S14JCOMPUTB	s14jcomputb:w14	s	freq	cur	job	computers			Categ
15	S15JCOMPUTB	s15jcomputb:w15	s	freq	cur	job	computers			Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCONCNTRB	8318	1.71	0.81	1.00	4.00
R2JCONCNTRB	6748	1.71	0.84	1.00	4.00
R3JCONCNTRB	6089	1.72	0.86	1.00	4.00
R4JCONCNTRB	7481	1.69	0.87	1.00	4.00
R5JCONCNTRB	6396	1.70	0.88	1.00	4.00
R6JCONCNTRB	5577	1.70	0.88	1.00	4.00
R7JCONCNTRB	7131	1.64	0.86	1.00	4.00
R8JCONCNTRB	6089	1.64	0.85	1.00	4.00
R9JCONCNTRB	5541	1.66	0.86	1.00	4.00
R10JCONCNTRB	8419	1.59	0.81	1.00	4.00
R11JCONCNTRB	7466	1.58	0.82	1.00	4.00
R12JCONCNTRB	6451	1.60	0.82	1.00	4.00
R13JCONCNTRB	8370	1.57	0.80	1.00	4.00
R14JCONCNTRB	6325	1.59	0.81	1.00	4.00
R15JCONCNTRB	5252	1.60	0.81	1.00	4.00
S1JCONCNTRB	6561	1.71	0.80	1.00	4.00
S2JCONCNTRB	5224	1.71	0.83	1.00	4.00
S3JCONCNTRB	4555	1.71	0.84	1.00	4.00
S4JCONCNTRB	5419	1.68	0.84	1.00	4.00
S5JCONCNTRB	4645	1.68	0.86	1.00	4.00
S6JCONCNTRB	4041	1.69	0.87	1.00	4.00
S7JCONCNTRB	5106	1.63	0.83	1.00	4.00
S8JCONCNTRB	4367	1.61	0.83	1.00	4.00
S9JCONCNTRB	3953	1.65	0.84	1.00	4.00
S10JCONCNTRB	5744	1.58	0.80	1.00	4.00

S11JCONCNTRB	5092	1.57	0.81	1.00	4.00
S12JCONCNTRB	4320	1.59	0.81	1.00	4.00
S13JCONCNTRB	5275	1.58	0.80	1.00	4.00
S14JCONCNTRB	3820	1.59	0.80	1.00	4.00
S15JCONCNTRB	3091	1.61	0.80	1.00	4.00
R1JDEALPPLB	8323	1.53	0.81	1.00	4.00
R2JDEALPPLB	6752	1.53	0.84	1.00	4.00
R3JDEALPPLB	6088	1.52	0.84	1.00	4.00
R4JDEALPPLB	7483	1.49	0.83	1.00	4.00
R5JDEALPPLB	6397	1.47	0.83	1.00	4.00
R6JDEALPPLB	5578	1.45	0.82	1.00	4.00
R7JDEALPPLB	7132	1.42	0.79	1.00	4.00
R8JDEALPPLB	6089	1.42	0.79	1.00	4.00
R9JDEALPPLB	5537	1.44	0.80	1.00	4.00
R10JDEALPPLB	8413	1.40	0.76	1.00	4.00
R11JDEALPPLB	7456	1.40	0.76	1.00	4.00
R12JDEALPPLB	6450	1.43	0.77	1.00	4.00
R13JDEALPPLB	8369	1.42	0.76	1.00	4.00
R14JDEALPPLB	6326	1.41	0.75	1.00	4.00
R15JDEALPPLB	5246	1.42	0.75	1.00	4.00
S1JDEALPPLB	6567	1.54	0.81	1.00	4.00
S2JDEALPPLB	5227	1.53	0.84	1.00	4.00
S3JDEALPPLB	4554	1.52	0.85	1.00	4.00
S4JDEALPPLB	5421	1.48	0.82	1.00	4.00
S5JDEALPPLB	4646	1.47	0.82	1.00	4.00
S6JDEALPPLB	4042	1.45	0.81	1.00	4.00
S7JDEALPPLB	5106	1.42	0.78	1.00	4.00
S8JDEALPPLB	4366	1.41	0.77	1.00	4.00
S9JDEALPPLB	3948	1.44	0.79	1.00	4.00
S10JDEALPPLB	5737	1.40	0.75	1.00	4.00
S11JDEALPPLB	5085	1.41	0.75	1.00	4.00
S12JDEALPPLB	4317	1.43	0.77	1.00	4.00
S13JDEALPPLB	5275	1.41	0.75	1.00	4.00
S14JDEALPPLB	3821	1.41	0.74	1.00	4.00
S15JDEALPPLB	3088	1.44	0.76	1.00	4.00
R1JCOMPUTB	8323	3.07	1.18	1.00	4.00
R5JCOMPUTB	4730	2.90	1.24	1.00	4.00
R6JCOMPUTB	5497	2.68	1.30	1.00	4.00
R7JCOMPUTB	7189	2.57	1.31	1.00	4.00
R8JCOMPUTB	6205	2.50	1.30	1.00	4.00
R9JCOMPUTB	5244	2.36	1.29	1.00	4.00
R10JCOMPUTB	8163	2.36	1.28	1.00	4.00
R11JCOMPUTB	7405	2.36	1.27	1.00	4.00
R12JCOMPUTB	6460	2.34	1.27	1.00	4.00
R13JCOMPUTB	8170	2.20	1.26	1.00	4.00
R14JCOMPUTB	6273	2.25	1.25	1.00	4.00
R15JCOMPUTB	5201	2.19	1.23	1.00	4.00
S1JCOMPUTB	6566	3.07	1.17	1.00	4.00
S5JCOMPUTB	3446	2.87	1.24	1.00	4.00
S6JCOMPUTB	3970	2.63	1.30	1.00	4.00
S7JCOMPUTB	5150	2.53	1.30	1.00	4.00
S8JCOMPUTB	4470	2.45	1.30	1.00	4.00
S9JCOMPUTB	3751	2.30	1.28	1.00	4.00
S10JCOMPUTB	5555	2.29	1.26	1.00	4.00
S11JCOMPUTB	5073	2.33	1.25	1.00	4.00
S12JCOMPUTB	4333	2.29	1.26	1.00	4.00
S13JCOMPUTB	5183	2.17	1.24	1.00	4.00
S14JCOMPUTB	3785	2.19	1.23	1.00	4.00
S15JCOMPUTB	3078	2.16	1.21	1.00	4.00

## Categorical Variable Codes

Value-----	R1JCONCNRB	R2JCONCNRB	R3JCONCNRB	R4JCONCNRB	R5JCONCNRB
.d:DK	2	3	3	1	1
.f:works too few hrs/yr			104		
.h:nursing home ivw				6	4
.m:Missing	11	69	234	326	262
.p:proxy ivw		238	435	610	563
.q:not asked this wave		8222			
.r:Refuse	59	3	5	17	14
.w:not working	4262	4359	11121	12943	12338
1.all or almost all of the	4011	3374	3103	4001	3402
2.most of the time	2975	2188	1862	2107	1771
3.some of the time	1064	939	877	1059	935
4.none or almost none of th	268	247	247	314	288

Value-----	R6JCONCNRB	R7JCONCNRB	R8JCONCNRB	R9JCONCNRB	R10JCONCNRB
.d:DK	4	2			4
.f:works too few hrs/yr		83	68	79	88
.h:nursing home ivw	29	4	1	1	1
.m:Missing	9	68	164	35	272
.n:does not apply				19	14
.p:proxy ivw	454	563	329	211	246
.r:Refuse	10	13	4	10	20
.w:not working	12082	12265	11814	11321	12970
1.all or almost all of the	3025	4070	3488	3099	5008
2.most of the time	1461	1813	1543	1461	2123
3.some of the time	840	975	839	768	1046
4.none or almost none of th	251	273	219	213	242

Value-----	R11JCONCNRB	R12JCONCNRB	R13JCONCNRB	R14JCONCNRB	R15JCONCNRB
.d:DK	6	6	7	15	14
.f:works too few hrs/yr	147	108	117	139	100
.h:nursing home ivw		2	3	1	1
.m:Missing	150	151	152	175	186
.n:does not apply	4	1	17	5	2
.p:proxy ivw	224	198	200	134	128
.r:Refuse	12	8	14	5	11
.w:not working	12545	11822	12032	10347	10029
1.all or almost all of the	4465	3802	5028	3723	3031
2.most of the time	1871	1651	2113	1624	1424
3.some of the time	901	804	1014	804	655
4.none or almost none of th	229	194	215	174	142

Value-----	S1JCONCNRB	S2JCONCNRB	S3JCONCNRB	S4JCONCNRB	S5JCONCNRB
.d:DK	2	3	1	1	
.f:works too few hrs/yr			69		
.m:Missing	3	48	142	234	194
.p:proxy ivw		226	419	587	545
.q:not asked this wave		4350			
.r:Refuse	39	3	2	6	5
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:not working	3295	3234	6728	7731	7341
1.all or almost all of the	3139	2586	2309	2893	2489
2.most of the time	2378	1736	1431	1575	1316
3.some of the time	848	719	645	757	656
4.none or almost none of th	196	183	170	194	184

Value-----	S6JCONCNRB	S7JCONCNRB	S8JCONCNRB	S9JCONCNRB	S10JCONCNRB
.d:DK	2				1
.f:works too few hrs/yr		59	52	55	59
.h:nursing home ivw	26	1	1	1	
.m:Missing	2	46	132	18	171
.n:does not apply				12	7
.p:proxy ivw	435	549	319	204	234
.r:Refuse	6	7	3	7	7
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7285
1.all or almost all of the	2190	2913	2533	2204	3414
2.most of the time	1092	1350	1121	1074	1478
3.some of the time	597	673	575	549	711

4.none or almost none of th	162	170	138	126	141
Value-----	S11JCONCNRB	S12JCONCNRB	S13JCONCNRB	S14JCONCNRB	S15JCONCNRB
.d:DK	5	4	4	7	6
.f:works too few hrs/yr	100	71	70	93	54
.h:nursing home ivw		1			
.m:Missing	88	87	62	80	74
.n:does not apply	3	1	12	2	
.p:proxy ivw	217	193	197	131	122
.r:Refuse	4	6	6	1	3
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6967	6329	6152	5224	5116
1.all or almost all of the	3056	2524	3100	2229	1748
2.most of the time	1297	1140	1404	1026	885
3.some of the time	593	542	634	470	377
4.none or almost none of th	146	114	137	95	81

Value-----	R1JDEALPPLB	R2JDEALPPLB	R3JDEALPPLB	R4JDEALPPLB	R5JDEALPPLB
.d:DK	2	1	3	1	1
.f:works too few hrs/yr			104		
.h:nursing home ivw				6	4
.m:Missing	11	68	235	325	261
.p:proxy ivw		236	435	610	563
.q:not asked this wave		8222			
.r:Refuse	54	4	5	16	14
.w:not working	4262	4359	11121	12943	12338
1.all or almost all of the	5306	4433	4094	5212	4514
2.most of the time	1884	1334	1098	1203	992
3.some of the time	838	705	642	769	627
4.none or almost none of th	295	280	254	299	264

Value-----	R6JDEALPPLB	R7JDEALPPLB	R8JDEALPPLB	R9JDEALPPLB	R10JDEALPPLB
.d:DK	3	2	1		3
.f:works too few hrs/yr		83	68	79	88
.h:nursing home ivw	29	4	1	1	1
.m:Missing	9	67	163	35	273
.n:does not apply				23	20
.p:proxy ivw	454	563	329	211	247
.r:Refuse	10	13	4	10	19
.w:not working	12082	12265	11814	11321	12970
1.all or almost all of the	4036	5220	4474	4009	6200
2.most of the time	807	1046	885	839	1260
3.some of the time	517	618	521	497	723
4.none or almost none of th	218	248	209	192	230

Value-----	R11JDEALPPLB	R12JDEALPPLB	R13JDEALPPLB	R14JDEALPPLB	R15JDEALPPLB
.d:DK	9	6	12	14	13
.f:works too few hrs/yr	147	108	117	139	100
.h:nursing home ivw		2	3	1	1
.m:Missing	147	151	152	174	184
.n:does not apply	13	2	14	6	10
.p:proxy ivw	224	198	200	134	128
.r:Refuse	13	8	13	5	12
.w:not working	12545	11822	12032	10347	10029
1.all or almost all of the	5493	4649	6072	4576	3763
2.most of the time	1124	1059	1338	1042	908
3.some of the time	639	541	728	549	441
4.none or almost none of th	200	201	231	159	134

Value-----	S1JDEALPPLB	S2JDEALPPLB	S3JDEALPPLB	S4JDEALPPLB	S5JDEALPPLB
.d:DK	2	1	1	1	
.f:works too few hrs/yr			69		
.m:Missing	3	48	143	233	193
.p:proxy ivw		224	419	587	545
.q:not asked this wave		4350			
.r:Refuse	33	4	2	5	5
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:not working	3295	3234	6728	7731	7341
1.all or almost all of the	4165	3414	3047	3785	3278
2.most of the time	1502	1049	825	878	747
3.some of the time	673	548	486	557	432
4.none or almost none of th	227	216	196	201	189

Value-----	S6JDEALPPLB	S7JDEALPPLB	S8JDEALPPLB	S9JDEALPPLB	S10JDEALPPLB
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.d:DK	1	1	1		1
.f:works too few hrs/yr		59	52	55	59
.h:nursing home ivw	26	1	1	1	
.m:Missing	2	45	132	18	172
.n:does not apply				17	12
.p:proxy ivw	435	549	319	204	235
.r:Refuse	6	7	3	7	7
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7285
1.all or almost all of the	2912	3729	3210	2835	4204
2.most of the time	607	770	643	629	889
3.some of the time	375	448	379	353	500
4.none or almost none of th	148	159	134	131	144

Value-----	S11JDEALPPLB	S12JDEALPPLB	S13JDEALPPLB	S14JDEALPPLB	S15JDEALPPLB
.d:DK	7	5	8	6	6
.f:works too few hrs/yr	100	71	70	93	54
.h:nursing home ivw		1			
.m:Missing	87	88	62	79	71
.n:does not apply	9	2	8	3	5
.p:proxy ivw	217	193	197	131	122
.r:Refuse	4	6	6	1	4
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6967	6329	6152	5224	5116
1.all or almost all of the	3724	3079	3805	2754	2169
2.most of the time	791	734	890	657	579
3.some of the time	440	375	454	324	255
4.none or almost none of th	130	129	126	86	85

Value-----	R1JCOMPUTB				R5JCOMPUTB
.d:DK	1				1
.h:nursing home ivw					4
.m:Missing	11				300
.p:proxy ivw					563
.r:Refuse	55				14
.s:skipped-same job					1628
.w:not working	4262				12338
1.all or almost all of the	1577				1147
2.most of the time	778				469
3.some of the time	1458				832
4.none or almost none of th	4510				2282

Value-----	R6JCOMPUTB	R7JCOMPUTB	R8JCOMPUTB	R9JCOMPUTB	R10JCOMPUTB
.d:DK	3	1			6
.f:works too few hrs/yr		83	68	83	95
.h:nursing home ivw	29	3	1	1	1
.m:Missing	9	12	48	35	233
.n:does not apply				274	249
.p:proxy ivw	535	563	329	249	298
.r:Refuse	10	13	4	10	19
.w:not working	12082	12265	11814	11321	12970
1.all or almost all of the	1783	2539	2314	2192	3362
2.most of the time	498	712	659	563	917
3.some of the time	925	1219	1054	890	1507
4.none or almost none of th	2291	2719	2178	1599	2377

Value-----	R11JCOMPUTB	R12JCOMPUTB	R13JCOMPUTB	R14JCOMPUTB	R15JCOMPUTB
.d:DK	7	9	11	22	21
.f:works too few hrs/yr	147	108	117	139	100
.h:nursing home ivw		2	3	1	1
.m:Missing	74	58	153	68	98
.n:does not apply	140	80	212	157	131
.p:proxy ivw	224	198	200	134	128
.r:Refuse	12	10	14	5	14
.w:not working	12545	11822	12032	10347	10029
1.all or almost all of the	2956	2636	3796	2739	2322
2.most of the time	934	805	963	816	748
3.some of the time	1396	1183	1397	1155	948
4.none or almost none of th	2119	1836	2014	1563	1183

Value-----	S1JCOMPUTB				S5JCOMPUTB
.d:DK	1				
.m:Missing	3				205
.p:proxy ivw					545



.r:Refuse		35				5
.s:skipped-same job						1188
.u:not coupled		2373				6537
.v:SP NR		379				311
.w:not working		3295				7341
1.all or almost all of the		1221				853
2.most of the time		607				352
3.some of the time		1209				627
4.none or almost none of th		3529				1614
Value-----		S6JCOMPUB	S7JCOMPUB	S8JCOMPUB	S9JCOMPUB	S10JCOMPUB
.d:DK		1				5
.f:works too few hrs/yr			59	52	58	65
.h:nursing home ivw		26	1	1	1	
.m:Missing		2	2	29	18	140
.n:does not apply					176	166
.p:proxy ivw		507	549	319	239	285
.r:Refuse		6	7	3	7	7
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.w:not working		7120	7200	6854	6390	7285
1.all or almost all of the		1337	1870	1725	1633	2374
2.most of the time		377	536	497	420	670
3.some of the time		687	906	763	638	1021
4.none or almost none of th		1569	1838	1485	1060	1490
Value-----		S11JCOMPUB	S12JCOMPUB	S13JCOMPUB	S14JCOMPUB	S15JCOMPUB
.d:DK		6	6	7	12	9
.f:works too few hrs/yr		100	71	70	93	54
.h:nursing home ivw			1			
.m:Missing		32	22	62	21	14
.n:does not apply		77	50	100	91	70
.p:proxy ivw		217	193	197	131	122
.r:Refuse		4	7	7	1	3
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.w:not working		6967	6329	6152	5224	5116
1.all or almost all of the		2062	1833	2427	1696	1380
2.most of the time		666	563	652	512	467
3.some of the time		979	797	900	724	583
4.none or almost none of th		1366	1140	1204	853	648

## How Constructed:

RwJCONCNTRB, RwJDEALPPLB, and RwJCOMPUB indicate how often the respondent feels specific statements are true about their current job. RwJCONCNTRB indicates how frequently the respondent's current job requires intense concentration or attention. RwJDEALPPLB indicates how frequently the respondent's current job requires skill in dealing with other people. RwJCOMPUB indicates how frequently the respondent's current job requires working with computers. These variables are coded as follows: 1.all or almost all of the time, 2.most of the time, 3.some of the time, 4.none or almost none of the time. If these respondents are not working for pay, RwJCONCNTRB, RwJDEALPPLB, and RwJCOMPUB are assigned special missing .w. Starting in the HRS cohort in Wave 2, respondents are not asked about concentration and dealing with other people if the respondent did not change jobs between waves, and RwJCONCNTRB and RwJDEALPPLB are carried forward from the most recent wave. In Wave 5, respondents are not asked about working with computers if they did not change companies or job titles between waves, including if the respondent is self-employed, and RwJCOMPUB is carried forward from Wave 1 if available, and is assigned special missing .s if they did not participate in Wave 1. Only in the AHEAD cohort in Wave 3, respondents are not asked about concentration and dealing with other people if the respondent worked 520 hours or less for the year, so RwJCONCNTRB and RwJDEALPPLB are assigned special missing .f in Wave 3. In Wave 7 and onward, respondents who work 200 or fewer hours during the year are not asked these questions, and RwJCONCNTRB, RwJDEALPPLB, and RwJCOMPUB are assigned special missing .f. In the AHEAD and HRS cohorts in Wave 3 and Wave 4 and onward, proxy respondents are not asked these questions, and RwJCONCNTRB, RwJDEALPPLB, and RwJCOMPUB are assigned special missing .p. Starting in Wave 4, respondents residing in nursing homes are not asked these questions, and RwJCONCNTRB, RwJDEALPPLB, and RwJCOMPUB are assigned special missing .h. Starting in Wave 9, if the respondent says that the statement does not apply these variables are assigned special missing .n. These questions are not asked at all in the AHEAD cohort in Wave 2, so these variables are assigned special missing .q in Wave 2. Questions regarding the frequency of computer use are not asked at all in Waves 2 through 4. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwJCONCNTRB, RwJDEALPPLB, and RwJCOMPUB are set to plain missing (.) for respondents who did not respond to the current wave.

SwJCONCNTRB, SwJDEALPPLB, and SwJCOMPUTB indicate how often the current wave's spouse feels specific statements are true about their job, and are taken from the spouse's values to RwJCONCNTRB, RwJDEALPPLB, and RwJCOMPUTB. In addition to the special missing codes used in RwJCONCNTRB, RwJDEALPPLB, and RwJCOMPUTB, SwJCONCNTRB, SwJDEALPPLB, and SwJCOMPUTB employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents in Wave 1 and starting again in Wave 5 are asked about the frequency of using a computer, whereas respondents in Waves 2 through 4 are not asked this question.

In Wave 1 and starting in HRS Wave 3, employed and self-employed respondents are asked the same questions, whereas employed and self-employed respondents are asked these questions separately in the HRS cohort in Wave 2 and the AHEAD cohort in Wave 3.

Starting in the HRS cohort in Wave 2, respondents are not asked these questions about concentration and dealing with other people if they didn't change employers or jobs.

In the AHEAD cohort in Wave 3, these questions are not asked if the respondent worked less than 520 hours per year. Starting in Wave 7, respondents who work 200 or fewer hours during the year are not asked these questions.

In the AHEAD cohort in Wave 3 and in Waves 6 and onward, these questions are not asked if the interview is completed by proxy.

Starting in Wave 4, these questions are not asked if the respondent lives in a nursing home.

In Wave 5, respondents are not asked about working with computers if they did not change companies or job titles between waves, including if the respondent is self-employed.

## HRS Variables Used:

Wave 1:	
V2717	f2:any wrk for pay :imp
V3305	f82e:jb rqr int con/attn
V3306	f82f:jb skll dlq w/ peop
V3307	f82g:jb rqr wrk w/ comp
Wave 2 AHEAD:	
BN_INHH	ahd w1: # r's responding in hhold
Wave 2 HRS:	
W3316	fa2.working for pay
W3458	fa19.still working for w
W3502	fa21.same job title as w
W3947	fa115e.intense concentra
W4605	fb75e.job requires inten
W4606	fb75f.job requires peopl
Wave 3 AHEAD:	
D2651	ga2.working any current
D2652	ga2a.retired work any since w1
D3095	ga115e. intense concentration
D3096	ga115f. people skills
D3277	hrs per year
D3459	gb75e. intense concentration
D3460	gb75f. people skills
D99	w1 iw self/proxy
Wave 3 HRS:	
E2627	g2.working for pay
E3008	g126e.intense concentration
E3009	g126f.people skills

Wave 4:  
F3131 g2.working for pay  
F3537 g126e.intense concentration  
F3538 g126f.people skills  
F47\_1 hh1 r in nursing home - updated

Wave 5:  
G3381 g2.working for pay  
G3799 g115y1.g115 branchpoint  
G3825 g126e.intense concentration  
G3826 g126f.people skills  
G3827 g126g.computer usage  
G47\_1 pr47.hh1 r in nursing home - updated

Wave 6:  
HA009 proxy/self interview  
HA028 r in nursing home  
HJ020 working for pay  
HJ542 intense concentration  
HJ543 people skills  
HJ544 computer usage

Wave 7:  
JA009 proxy/self interview  
JA028 r in nursing home  
JJ020 working for pay  
JJ516 j516 branchpoint  
JJ542 intense concentration  
JJ543 people skills  
JJ544 computer usage  
JJ703 current wave marginally employed

Wave 8:  
KA009 proxy/self interview  
KA028 r in nursing home  
KJ020 working for pay  
KJ516 j516 branchpoint  
KJ542 intense concentration  
KJ543 people skills  
KJ544 computer usage  
KJ703 current wave marginally employed

Wave 9:  
LA009 proxy/self interview  
LA028 r in nursing home  
LJ020 working for pay  
LJ542 intense concentration  
LJ543 people skills  
LJ544 computer usage  
LJ703 current wave marginally employed

Wave 10:  
MA009 proxy/self interview  
MA028 r in nursing home  
MJ020 working for pay  
MJ058 same job title as previous wave  
MJ542 intense concentration  
MJ543 people skills  
MJ544 computer usage  
MJ703 current wave marginally employed

Wave 11:  
NA009 proxy/self interview  
NA028 r in nursing home  
NJ020 working for pay  
NJ516 j516 branchpoint  
NJ542 intense concentration  
NJ543 people skills  
NJ544 computer usage  
NJ703 current wave marginally employed

## Wave 12:

OA009 proxy/self interview  
OA028 r in nursing home  
OJ020 working for pay  
OJ516 j516 branchpoint  
OJ542 intense concentration  
OJ543 people skills  
OJ544 computer usage  
OJ703 current wave marginally employed

## Wave 13:

PA009 proxy/self interview  
PA028 r in nursing home  
PJ020 working for pay  
PJ542 intense concentration  
PJ543 people skills  
PJ544 computer usage  
PJ703 current wave marginally employed

## Wave 14:

QA009 proxy/self interview  
QA028 r in nursing home  
QJ020 working for pay  
QJ542 intense concentration  
QJ543 people skills  
QJ544 computer usage  
QJ703 current wave marginally employed

## Wave 15:

RA009 proxy/self interview  
RA028 r in nursing home  
RJ020 working for pay  
RJ542 intense concentration  
RJ543 people skills  
RJ544 computer usage  
RJ703 current wave marginally employed

<b>Current Job Characteristics: Changes</b>
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Wave	Variable	Label	Type
01	R1JDIFFA	r1jdiffa:w1 r cur job more difficult than used to be	Categ
02	R2JDIFFA	r2jdiffa:w2 r cur job more difficult than used to be	Categ
03	R3JDIFFA	r3jdiffa:w3 r cur job more difficult than used to be	Categ
04	R4JDIFFA	r4jdiffa:w4 r cur job more difficult than used to be	Categ
05	R5JDIFFA	r5jdiffa:w5 r cur job more difficult than used to be	Categ
06	R6JDIFFA	r6jdiffa:w6 r cur job more difficult than used to be	Categ
07	R7JDIFFA	r7jdiffa:w7 r cur job more difficult than used to be	Categ
08	R8JDIFFA	r8jdiffa:w8 r cur job more difficult than used to be	Categ
09	R9JDIFFA	r9jdiffa:w9 r cur job more difficult than used to be	Categ
10	R10JDIFFA	r10jdiffa:w10 r cur job more difficult than used to be	Categ
11	R11JDIFFA	r11jdiffa:w11 r cur job more difficult than used to be	Categ
12	R12JDIFFA	r12jdiffa:w12 r cur job more difficult than used to be	Categ
13	R13JDIFFA	r13jdiffa:w13 r cur job more difficult than used to be	Categ
14	R14JDIFFA	r14jdiffa:w14 r cur job more difficult than used to be	Categ
15	R15JDIFFA	r15jdiffa:w15 r cur job more difficult than used to be	Categ
01	S1JDIFFA	s1jdiffa:w1 s cur job more difficult than used to be	Categ
02	S2JDIFFA	s2jdiffa:w2 s cur job more difficult than used to be	Categ
03	S3JDIFFA	s3jdiffa:w3 s cur job more difficult than used to be	Categ
04	S4JDIFFA	s4jdiffa:w4 s cur job more difficult than used to be	Categ
05	S5JDIFFA	s5jdiffa:w5 s cur job more difficult than used to be	Categ
06	S6JDIFFA	s6jdiffa:w6 s cur job more difficult than used to be	Categ
07	S7JDIFFA	s7jdiffa:w7 s cur job more difficult than used to be	Categ
08	S8JDIFFA	s8jdiffa:w8 s cur job more difficult than used to be	Categ
09	S9JDIFFA	s9jdiffa:w9 s cur job more difficult than used to be	Categ
10	S10JDIFFA	s10jdiffa:w10 s cur job more difficult than used to be	Categ
11	S11JDIFFA	s11jdiffa:w11 s cur job more difficult than used to be	Categ
12	S12JDIFFA	s12jdiffa:w12 s cur job more difficult than used to be	Categ
13	S13JDIFFA	s13jdiffa:w13 s cur job more difficult than used to be	Categ
14	S14JDIFFA	s14jdiffa:w14 s cur job more difficult than used to be	Categ
15	S15JDIFFA	s15jdiffa:w15 s cur job more difficult than used to be	Categ
02	R2JGRREDHRA	r2jgrredhra:w2 r prefer gradually reduce hours	Categ
03	R3JGRREDHRA	r3jgrredhra:w3 r prefer gradually reduce hours	Categ
04	R4JGRREDHRA	r4jgrredhra:w4 r prefer gradually reduce hours	Categ
05	R5JGRREDHRA	r5jgrredhra:w5 r prefer gradually reduce hours	Categ
06	R6JGRREDHRA	r6jgrredhra:w6 r prefer gradually reduce hours	Categ
07	R7JGRREDHRA	r7jgrredhra:w7 r prefer gradually reduce hours	Categ
08	R8JGRREDHRA	r8jgrredhra:w8 r prefer gradually reduce hours	Categ
09	R9JGRREDHRA	r9jgrredhra:w9 r prefer gradually reduce hours	Categ
10	R10JGRREDHRA	r10jgrredhra:w10 r prefer gradually reduce hours	Categ
11	R11JGRREDHRA	r11jgrredhra:w11 r prefer gradually reduce hours	Categ
12	R12JGRREDHRA	r12jgrredhra:w12 r prefer gradually reduce hours	Categ
13	R13JGRREDHRA	r13jgrredhra:w13 r prefer gradually reduce hours	Categ
14	R14JGRREDHRA	r14jgrredhra:w14 r prefer gradually reduce hours	Categ
15	R15JGRREDHRA	r15jgrredhra:w15 r prefer gradually reduce hours	Categ
02	S2JGRREDHRA	s2jgrredhra:w2 s prefer gradually reduce hours	Categ
03	S3JGRREDHRA	s3jgrredhra:w3 s prefer gradually reduce hours	Categ
04	S4JGRREDHRA	s4jgrredhra:w4 s prefer gradually reduce hours	Categ
05	S5JGRREDHRA	s5jgrredhra:w5 s prefer gradually reduce hours	Categ
06	S6JGRREDHRA	s6jgrredhra:w6 s prefer gradually reduce hours	Categ
07	S7JGRREDHRA	s7jgrredhra:w7 s prefer gradually reduce hours	Categ
08	S8JGRREDHRA	s8jgrredhra:w8 s prefer gradually reduce hours	Categ
09	S9JGRREDHRA	s9jgrredhra:w9 s prefer gradually reduce hours	Categ
10	S10JGRREDHRA	s10jgrredhra:w10 s prefer gradually reduce hours	Categ
11	S11JGRREDHRA	s11jgrredhra:w11 s prefer gradually reduce hours	Categ

12	S12JGRREDHRA	s12jgrredhra:w12	s	prefer	gradually	reduce	hours	Categ
13	S13JGRREDHRA	s13jgrredhra:w13	s	prefer	gradually	reduce	hours	Categ
14	S14JGRREDHRA	s14jgrredhra:w14	s	prefer	gradually	reduce	hours	Categ
15	S15JGRREDHRA	s15jgrredhra:w15	s	prefer	gradually	reduce	hours	Categ
01	R1JMLDEMA	r1jmldeema:w1	r	cur	job	allows	move to less demanding job if	Categ
02	R2JMLDEMA	r2jmldeema:w2	r	cur	job	allows	move to less demanding job if	Categ
03	R3JMLDEMA	r3jmldeema:w3	r	cur	job	allows	move to less demanding job if	Categ
04	R4JMLDEMA	r4jmldeema:w4	r	cur	job	allows	move to less demanding job if	Categ
05	R5JMLDEMA	r5jmldeema:w5	r	cur	job	allows	move to less demanding job if	Categ
06	R6JMLDEMA	r6jmldeema:w6	r	cur	job	allows	move to less demanding job if	Categ
07	R7JMLDEMA	r7jmldeema:w7	r	cur	job	allows	move to less demanding job if	Categ
08	R8JMLDEMA	r8jmldeema:w8	r	cur	job	allows	move to less demanding job if	Categ
09	R9JMLDEMA	r9jmldeema:w9	r	cur	job	allows	move to less demanding job if	Categ
10	R10JMLDEMA	r10jmldeema:w10	r	cur	job	allows	move to less demanding job i	Categ
11	R11JMLDEMA	r11jmldeema:w11	r	cur	job	allows	move to less demanding job i	Categ
12	R12JMLDEMA	r12jmldeema:w12	r	cur	job	allows	move to less demanding job i	Categ
13	R13JMLDEMA	r13jmldeema:w13	r	cur	job	allows	move to less demanding job i	Categ
14	R14JMLDEMA	r14jmldeema:w14	r	cur	job	allows	move to less demanding job i	Categ
15	R15JMLDEMA	r15jmldeema:w15	r	cur	job	allows	move to less demanding job i	Categ
01	S1JMLDEMA	s1jmldeema:w1	s	cur	job	allows	move to less demanding job if	Categ
02	S2JMLDEMA	s2jmldeema:w2	s	cur	job	allows	move to less demanding job if	Categ
03	S3JMLDEMA	s3jmldeema:w3	s	cur	job	allows	move to less demanding job if	Categ
04	S4JMLDEMA	s4jmldeema:w4	s	cur	job	allows	move to less demanding job if	Categ
05	S5JMLDEMA	s5jmldeema:w5	s	cur	job	allows	move to less demanding job if	Categ
06	S6JMLDEMA	s6jmldeema:w6	s	cur	job	allows	move to less demanding job if	Categ
07	S7JMLDEMA	s7jmldeema:w7	s	cur	job	allows	move to less demanding job if	Categ
08	S8JMLDEMA	s8jmldeema:w8	s	cur	job	allows	move to less demanding job if	Categ
09	S9JMLDEMA	s9jmldeema:w9	s	cur	job	allows	move to less demanding job if	Categ
10	S10JMLDEMA	s10jmldeema:w10	s	cur	job	allows	move to less demanding job i	Categ
11	S11JMLDEMA	s11jmldeema:w11	s	cur	job	allows	move to less demanding job i	Categ
12	S12JMLDEMA	s12jmldeema:w12	s	cur	job	allows	move to less demanding job i	Categ
13	S13JMLDEMA	s13jmldeema:w13	s	cur	job	allows	move to less demanding job i	Categ
14	S14JMLDEMA	s14jmldeema:w14	s	cur	job	allows	move to less demanding job i	Categ
15	S15JMLDEMA	s15jmldeema:w15	s	cur	job	allows	move to less demanding job i	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JDIFFA	8301	2.46	0.79	1.00	4.00
R2JDIFFA	6516	2.41	0.81	1.00	4.00
R3JDIFFA	6144	2.51	0.81	1.00	4.00
R4JDIFFA	7684	2.51	0.82	1.00	4.00
R5JDIFFA	6568	2.59	0.79	1.00	4.00
R6JDIFFA	5479	2.54	0.81	1.00	4.00
R7JDIFFA	7169	2.50	0.84	1.00	4.00
R8JDIFFA	6178	2.51	0.84	1.00	4.00
R9JDIFFA	5418	2.49	0.84	1.00	4.00
R10JDIFFA	8340	2.45	0.86	1.00	4.00
R11JDIFFA	7478	2.49	0.86	1.00	4.00
R12JDIFFA	6510	2.52	0.85	1.00	4.00
R13JDIFFA	8315	2.46	0.84	1.00	4.00
R14JDIFFA	6341	2.59	0.83	1.00	4.00
R15JDIFFA	5233	2.58	0.83	1.00	4.00
S1JDIFFA	6548	2.46	0.79	1.00	4.00
S2JDIFFA	4996	2.40	0.81	1.00	4.00
S3JDIFFA	4606	2.50	0.80	1.00	4.00
S4JDIFFA	5578	2.48	0.82	1.00	4.00
S5JDIFFA	4790	2.57	0.79	1.00	4.00
S6JDIFFA	3957	2.52	0.82	1.00	4.00

S7JDIFFA	5137	2.49	0.85	1.00	4.00
S8JDIFFA	4453	2.50	0.84	1.00	4.00
S9JDIFFA	3862	2.48	0.84	1.00	4.00
S10JDIFFA	5681	2.42	0.86	1.00	4.00
S11JDIFFA	5114	2.46	0.86	1.00	4.00
S12JDIFFA	4366	2.50	0.84	1.00	4.00
S13JDIFFA	5247	2.44	0.84	1.00	4.00
S14JDIFFA	3828	2.56	0.83	1.00	4.00
S15JDIFFA	3087	2.57	0.83	1.00	4.00
R2JGRREDHRA	6481	2.34	0.77	1.00	4.00
R3JGRREDHRA	6116	2.34	0.77	1.00	4.00
R4JGRREDHRA	7637	2.34	0.80	1.00	4.00
R5JGRREDHRA	6501	2.35	0.76	1.00	4.00
R6JGRREDHRA	5414	2.32	0.80	1.00	4.00
R7JGRREDHRA	7096	2.29	0.82	1.00	4.00
R8JGRREDHRA	6118	2.31	0.82	1.00	4.00
R9JGRREDHRA	5182	2.29	0.84	1.00	4.00
R10JGRREDHRA	8199	2.27	0.81	1.00	4.00
R11JGRREDHRA	7353	2.29	0.80	1.00	4.00
R12JGRREDHRA	6429	2.30	0.80	1.00	4.00
R13JGRREDHRA	8220	2.27	0.81	1.00	4.00
R14JGRREDHRA	6279	2.28	0.81	1.00	4.00
R15JGRREDHRA	5163	2.29	0.81	1.00	4.00
S2JGRREDHRA	4976	2.33	0.76	1.00	4.00
S3JGRREDHRA	4583	2.34	0.77	1.00	4.00
S4JGRREDHRA	5545	2.33	0.79	1.00	4.00
S5JGRREDHRA	4750	2.34	0.76	1.00	4.00
S6JGRREDHRA	3911	2.32	0.79	1.00	4.00
S7JGRREDHRA	5086	2.27	0.82	1.00	4.00
S8JGRREDHRA	4415	2.30	0.81	1.00	4.00
S9JGRREDHRA	3694	2.27	0.83	1.00	4.00
S10JGRREDHRA	5594	2.26	0.80	1.00	4.00
S11JGRREDHRA	5022	2.28	0.80	1.00	4.00
S12JGRREDHRA	4307	2.28	0.79	1.00	4.00
S13JGRREDHRA	5186	2.27	0.80	1.00	4.00
S14JGRREDHRA	3791	2.28	0.80	1.00	4.00
S15JGRREDHRA	3055	2.29	0.80	1.00	4.00
R1JMLDEMA	6575	2.74	0.68	1.00	4.00
R2JMLDEMA	5126	2.77	0.66	1.00	4.00
R3JMLDEMA	4701	2.74	0.66	1.00	4.00
R4JMLDEMA	5781	2.74	0.70	1.00	4.00
R5JMLDEMA	4905	2.69	0.68	1.00	4.00
R6JMLDEMA	3985	2.71	0.72	1.00	4.00
R7JMLDEMA	5297	2.70	0.73	1.00	4.00
R8JMLDEMA	4533	2.71	0.73	1.00	4.00
R9JMLDEMA	3686	2.69	0.75	1.00	4.00
R10JMLDEMA	6302	2.74	0.74	1.00	4.00
R11JMLDEMA	5646	2.75	0.72	1.00	4.00
R12JMLDEMA	4927	2.74	0.73	1.00	4.00
R13JMLDEMA	6410	2.72	0.74	1.00	4.00
R14JMLDEMA	4895	2.73	0.74	1.00	4.00
R15JMLDEMA	3983	2.73	0.75	1.00	4.00
S1JMLDEMA	5106	2.74	0.68	1.00	4.00
S2JMLDEMA	3867	2.77	0.66	1.00	4.00
S3JMLDEMA	3476	2.73	0.66	1.00	4.00
S4JMLDEMA	4165	2.72	0.70	1.00	4.00
S5JMLDEMA	3558	2.68	0.68	1.00	4.00
S6JMLDEMA	2845	2.71	0.71	1.00	4.00
S7JMLDEMA	3739	2.69	0.72	1.00	4.00

S8JMLDEMA	3230	2.70	0.72	1.00	4.00
S9JMLDEMA	2604	2.68	0.75	1.00	4.00
S10JMLDEMA	4250	2.72	0.74	1.00	4.00
S11JMLDEMA	3821	2.73	0.72	1.00	4.00
S12JMLDEMA	3275	2.72	0.73	1.00	4.00
S13JMLDEMA	4035	2.70	0.73	1.00	4.00
S14JMLDEMA	2951	2.72	0.74	1.00	4.00
S15JMLDEMA	2319	2.73	0.74	1.00	4.00

### Categorical Variable Codes

Value-----	R1JDIFFA	R2JDIFFA	R3JDIFFA	R4JDIFFA	R5JDIFFA
.d:DK	7	10	13	30	24
.f:works too few hrs/yr			104		
.h:nursing home ivw				6	4
.m:Missing	11	62	167	89	64
.p:proxy ivw		467	435	610	563
.q:not asked this wave		8222			
.r:Refuse	71	6	7	22	17
.w:not working	4262	4359	11121	12943	12338
1.strongly agree	943	965	784	1044	699
2.agree	3179	2309	1882	2281	1830
3.disagree	3574	2842	3024	3780	3506
4.strongly disagree	605	400	454	579	533

Value-----	R6JDIFFA	R7JDIFFA	R8JDIFFA	R9JDIFFA	R10JDIFFA
.d:DK	19	19	24	4	14
.f:works too few hrs/yr		83	68	83	95
.h:nursing home ivw	29	3	1	1	1
.m:Missing	9	12	48	35	234
.n:does not apply				95	59
.p:proxy ivw	535	563	329	249	298
.r:Refuse	12	15	7	11	23
.w:not working	12082	12265	11814	11321	12970
1.strongly agree	673	1042	872	746	1323
2.agree	1623	2108	1811	1732	2657
3.disagree	2717	3405	2940	2455	3612
4.strongly disagree	466	614	555	485	748

Value-----	R11JDIFFA	R12JDIFFA	R13JDIFFA	R14JDIFFA	R15JDIFFA
.d:DK	22	14	15	18	21
.f:works too few hrs/yr	147	108	117	139	100
.h:nursing home ivw		2	3	1	1
.m:Missing	74	58	153	69	99
.n:does not apply	48	24	60	92	96
.p:proxy ivw	224	198	200	134	128
.r:Refuse	16	11	17	5	16
.w:not working	12545	11822	12032	10347	10029
1.strongly agree	1096	878	1156	687	584
2.agree	2354	2030	2868	1917	1591
3.disagree	3309	2940	3576	3021	2473
4.strongly disagree	719	662	715	716	585

Value-----	S1JDIFFA	S2JDIFFA	S3JDIFFA	S4JDIFFA	S5JDIFFA
.d:DK	4	8	6	24	14
.f:works too few hrs/yr			69		
.m:Missing	3	44	85	48	33
.p:proxy ivw		450	419	587	545
.q:not asked this wave		4350			
.r:Refuse	50	6	3	10	7
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:not working	3295	3234	6728	7731	7341
1.strongly agree	737	747	595	795	532
2.agree	2539	1793	1424	1698	1379
3.disagree	2789	2171	2279	2697	2503
4.strongly disagree	483	285	308	388	376

Value-----	S6JDIFFA	S7JDIFFA	S8JDIFFA	S9JDIFFA	S10JDIFFA
.d:DK	12	12	16	2	10
.f:works too few hrs/yr		59	52	58	65
.h:nursing home ivw	26	1	1	1	



.m:Missing	2	2	29	18	141
.n:does not apply				62	32
.p:proxy ivw	507	549	319	239	285
.r:Refuse	8	8	4	8	9
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7285
1.strongly agree	523	772	634	538	939
2.agree	1193	1517	1343	1280	1872
3.disagree	1913	2418	2090	1705	2388
4.strongly disagree	328	430	386	339	482
Value-----	S11JDIFFA	S12JDIFFA	S13JDIFFA	S14JDIFFA	S15JDIFFA
.d:DK	10	9	9	8	13
.f:works too few hrs/yr	100	71	70	93	54
.h:nursing home ivw		1			
.m:Missing	32	22	62	22	15
.n:does not apply	29	14	34	51	54
.p:proxy ivw	217	193	197	131	122
.r:Refuse	7	7	7	1	5
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6967	6329	6152	5224	5116
1.strongly agree	799	595	766	443	348
2.agree	1665	1402	1866	1210	972
3.disagree	2174	1954	2172	1759	1427
4.strongly disagree	476	415	443	416	340
Value-----		R2JGRREDHRA	R3JGRREDHRA	R4JGRREDHRA	R5JGRREDHRA
.d:DK		28	32	70	84
.f:works too few hrs/yr			104		
.h:nursing home ivw				6	4
.m:Missing		62	170	89	65
.n:does not apply		13			
.p:proxy ivw		467	436	610	563
.q:not asked this wave		8222			
.r:Refuse		10	12	29	23
.w:not working		4359	11121	12943	12338
1.strongly agree		866	823	1147	834
2.agree		2869	2683	3185	2866
3.disagree		2439	2298	2869	2476
4.strongly disagree		307	312	436	325
Value-----	R6JGRREDHRA	R7JGRREDHRA	R8JGRREDHRA	R9JGRREDHRA	R10JGRREDHRA
.d:DK	73	74	73	19	33
.f:works too few hrs/yr		83	68	83	95
.h:nursing home ivw	29	3	1	1	1
.m:Missing	9	12	48	46	252
.n:does not apply				312	181
.p:proxy ivw	535	563	329	239	281
.r:Refuse	23	33	18	14	22
.w:not working	12082	12265	11814	11321	12970
1.strongly agree	828	1265	1027	935	1436
2.agree	2318	2943	2568	2185	3547
3.disagree	1950	2475	2143	1710	2771
4.strongly disagree	318	413	380	352	445
Value-----	R11JGRREDHRA	R12JGRREDHRA	R13JGRREDHRA	R14JGRREDHRA	R15JGRREDHRA
.d:DK	27	28	35	24	30
.f:works too few hrs/yr	147	108	117	139	100
.h:nursing home ivw		2	3	1	1
.m:Missing	82	65	155	73	107
.n:does not apply	166	85	130	146	153
.p:proxy ivw	216	192	198	132	120
.r:Refuse	18	16	22	5	20
.w:not working	12545	11822	12032	10347	10029
1.strongly agree	1189	979	1389	1028	829
2.agree	3271	2901	3700	2821	2349
3.disagree	2467	2173	2626	2048	1660
4.strongly disagree	426	376	505	382	325
Value-----		S2JGRREDHRA	S3JGRREDHRA	S4JGRREDHRA	S5JGRREDHRA
.d:DK		16	21	53	52
.f:works too few hrs/yr			69		
.m:Missing		44	88	48	33
.n:does not apply		9			

.p:proxy ivw		450	420	587	545
.q:not asked this wave		4350			
.r:Refuse		9	7	14	9
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.w:not working		3234	6728	7731	7341
1.strongly agree		669	613	830	616
2.agree		2215	2030	2363	2135
3.disagree		1866	1717	2054	1764
4.strongly disagree		226	223	298	235
Value-----	S6JGRREDHRA	S7JGRREDHRA	S8JGRREDHRA	S9JGRREDHRA	S10JGRREDHRA
.d:DK	50	48	47	9	18
.f:works too few hrs/yr		59	52	58	65
.h:nursing home ivw	26	1	1	1	
.m:Missing	2	2	29	19	149
.n:does not apply				223	111
.p:proxy ivw	507	549	319	238	277
.r:Refuse	16	23	11	8	9
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7285
1.strongly agree	593	925	734	667	984
2.agree	1695	2134	1889	1576	2476
3.disagree	1409	1736	1539	1221	1852
4.strongly disagree	214	291	253	230	282
Value-----	S11JGRREDHRA	S12JGRREDHRA	S13JGRREDHRA	S14JGRREDHRA	S15JGRREDHRA
.d:DK	16	17	22	13	13
.f:works too few hrs/yr	100	71	70	93	54
.h:nursing home ivw		1			
.m:Missing	35	25	62	24	17
.n:does not apply	114	59	79	81	85
.p:proxy ivw	214	190	197	131	120
.r:Refuse	8	13	10	1	6
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6967	6329	6152	5224	5116
1.strongly agree	802	674	857	610	482
2.agree	2265	1974	2362	1719	1402
3.disagree	1678	1424	1666	1237	985
4.strongly disagree	277	235	301	225	186
Value-----	R1JMLDEMA	R2JMLDEMA	R3JMLDEMA	R4JMLDEMA	R5JMLDEMA
.d:DK	165	157	166	286	308
.f:works too few hrs/yr			104		
.h:nursing home ivw				6	4
.m:Missing	6	13	165	89	65
.n:does not apply		41			
.p:proxy ivw		335	307	445	407
.q:not asked this wave		8222			
.r:Refuse	108	15	14	25	32
.s:self-employed	1536	1374	1416	1809	1519
.w:not working	4262	4359	11118	12943	12338
1.strongly agree	181	125	121	197	169
2.agree	2040	1471	1431	1779	1636
3.disagree	3642	2994	2692	3155	2657
4.strongly disagree	712	536	457	650	443
Value-----	R6JMLDEMA	R7JMLDEMA	R8JMLDEMA	R9JMLDEMA	R10JMLDEMA
.d:DK	242	316	330	191	194
.f:works too few hrs/yr		83	68	83	95
.h:nursing home ivw	23	5	1		1
.m:Missing	9	11	13	16	213
.n:does not apply				358	273
.p:proxy ivw	379	395	228	176	203
.r:Refuse	18	31	12	12	24
.s:self-employed	1427	1726	1470	1374	1760
.w:not working	12082	12265	11814	11321	12969
1.strongly agree	158	259	205	194	309
2.agree	1301	1669	1425	1214	1842
3.disagree	2076	2789	2380	1819	3341
4.strongly disagree	450	580	523	459	810
Value-----	R11JMLDEMA	R12JMLDEMA	R13JMLDEMA	R14JMLDEMA	R15JMLDEMA
.d:DK	153	137	203	22	119

.f:works too few hrs/yr	147	108	117	139	100
.h:nursing home ivw		2	3	1	1
.m:Missing	49	45	97	63	96
.n:does not apply	237	125	192	350	278
.p:proxy ivw	161	149	148	104	97
.r:Refuse	23	18	25	5	18
.s:self-employed	1593	1413	1685	1220	1002
.w:not working	12545	11823	12032	10347	10029
1.strongly agree	204	194	294	231	181
2.agree	1730	1526	1987	1507	1270
3.disagree	2983	2561	3327	2527	1978
4.strongly disagree	729	646	802	630	554
Value-----	S1JMLDEMA	S2JMLDEMA	S3JMLDEMA	S4JMLDEMA	S5JMLDEMA
.d:DK	125	113	113	200	204
.f:works too few hrs/yr			69		
.m:Missing	3	1	85	48	32
.n:does not apply		31			
.p:proxy ivw		321	295	429	393
.q:not asked this wave		4350			
.r:Refuse	84	13	9	10	18
.s:self-employed	1287	1158	1144	1395	1184
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:not working	3295	3234	6725	7731	7341
1.strongly agree	136	92	92	143	130
2.agree	1595	1126	1071	1340	1201
3.disagree	2840	2245	1996	2235	1912
4.strongly disagree	535	404	317	447	315
Value-----	S6JMLDEMA	S7JMLDEMA	S8JMLDEMA	S9JMLDEMA	S10JMLDEMA
.d:DK	164	212	223	128	114
.f:works too few hrs/yr		59	52	58	65
.h:nursing home ivw	21	3	1		
.m:Missing	2	2	5	6	128
.n:does not apply				240	171
.p:proxy ivw	353	382	219	168	192
.r:Refuse	12	16	7	8	11
.s:self-employed	1115	1355	1137	1038	1293
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7284
1.strongly agree	108	175	138	136	214
2.agree	940	1208	1037	882	1279
3.disagree	1475	1953	1695	1277	2249
4.strongly disagree	322	403	360	309	508
Value-----	S11JMLDEMA	S12JMLDEMA	S13JMLDEMA	S14JMLDEMA	S15JMLDEMA
.d:DK	98	85	117	10	63
.f:works too few hrs/yr	100	71	70	93	54
.h:nursing home ivw		1			
.m:Missing	16	15	32	19	14
.n:does not apply	139	69	109	193	172
.p:proxy ivw	155	144	145	101	91
.r:Refuse	13	12	11	1	4
.s:self-employed	1167	1010	1107	766	633
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6967	6330	6152	5224	5116
1.strongly agree	132	133	190	139	100
2.agree	1228	1050	1287	932	747
3.disagree	1990	1684	2082	1503	1161
4.strongly disagree	471	408	476	377	311

### How Constructed:

RwJDIFFA, RwJGRREDHRA, and RwJMLDEMA indicate how much the respondent agrees with specific statements about their current job. RwJDIFFA indicates how much the respondent agrees that their current job requires them to do more difficult things than it used to. RwJGRREDHRA indicates how much the respondent agrees that, as they get older, they would prefer to gradually reduce the hours they work on their current job, keeping their pay per hour the same. RwJMLDEMA indicates how much the respondent agrees that their current employer would let older workers move to a less demanding job with less pay if they wanted to. These variables are coded as follows: 1.strongly agree, 2.agree, 3.disagree, 4.strongly disagree. If

the respondents are self-employed, they are not asked about moving to less demanding jobs and RwJMLDEMA is assigned special missing .s. If the respondents are not working for pay, RwJDIFFA, RwJGRREDHRA, and RwJMLDEMA are assigned special missing .w. In the HRS cohort in Wave 2 and starting in Wave 9, if the respondent says that the statement does not apply, then these variables are assigned special missing .n. Only in the AHEAD cohort in Wave 3, respondents are not asked questions about their job becoming more difficult or gradually reducing hours if the respondent worked 520 hours or less for the year, so RwJDIFFA and RwJGRREDHRA are assigned special missing .f in Wave 3. In Wave 7 and onward, RwJDIFFA, RwJGRREDHRA, and RwJMLDEMA are assigned special missing .f if the respondent is not asked this question because they work 200 or fewer hours during the year. In the AHEAD and HRS cohorts in Wave 3 and Wave 4 and onward, proxy respondents are not asked these questions, and these variables are assigned special missing .p. Starting in Wave 4, respondents residing in nursing homes are not asked these questions, and these variables are assigned special missing .h. These questions are not asked at all in the AHEAD cohort in Wave 2, so these variables are assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwJDIFFA, RwJGRREDHRA, and RwJMLDEMA are set to plain missing (.) for respondents who did not respond to the current wave.

SwJDIFFA, SwJGRREDHRA, and SwJMLDEMA indicate how much the current wave's spouse agrees with specific statements about their job, and are taken from the spouse's values to RwJDIFFA, RwJGRREDHRA, and RwJMLDEMA. In addition to the special missing codes used in RwJDIFFA, RwJGRREDHRA, and RwJMLDEMA, SwJDIFFA, SwJGRREDHRA, and SwJMLDEMA employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked how much they agree that they would prefer to gradually reduce their hours in Wave 1. This question starts in the HRS cohort in Wave 2.

In Wave 1 and starting in the HRS cohort in Wave 3, employed and self-employed respondents are asked the same questions, whereas employed and self-employed respondents are asked these questions separately in the HRS cohort in Wave 2 and the AHEAD cohort in Wave 3.

These questions are not asked at all in the AHEAD cohort in Wave 2.

In the HRS cohort in Wave 2 and starting in Wave 9, the respondent is given the option to say that the statement does not apply.

In the AHEAD cohort in Wave 3, these questions are not asked if the respondent worked less than 520 hours per year. Starting in Wave 7, respondents who work 200 or fewer hours during the year are not asked these questions.

In the AHEAD and HRS cohorts in Wave 3 and Wave 4 and onward, these questions are not asked if the interview is completed by proxy.

Starting in Wave 4, these questions are not asked if the respondent lives in a nursing home.

## HRS Variables Used:

```
Wave 1:
  V2717      f2:any wrk for pay   :imp
  V2718      f3:who work for   :imp
  V3315      f83b:mre diff thngs now
  V3326      f85e:chnge esr jb low/py

Wave 2 AHEAD:
  BN_INHH    ahd w1: # r's responding in hhold

Wave 2 HRS:
  W116       ics5. self/proxy interview
  W3316      fa2.working for pay
  W3317      fa3.work for someone els
  W3949      fall16a.more difficult th
  W3953      fall16e.gradually reduce
```

W3954 fall6f.move to less dema  
 W4607 fb76a.job requires more  
 W4609 fb76c.would gradually re  
 Wave 3 AHEAD:  
 D2651 ga2.working any current  
 D2652 ga2a.retired work any since w1  
 D2653 ga3. self/other employed  
 D3102 gall6a. more difficult work  
 D3106 gall6e.prefer reduce hours  
 D3107 gall6f.employer allow less demanding job  
 D3277 hrs per year  
 D3462 gb76a. more difficult work  
 D3464 gb76c.prefer reduce hours  
 D99 w1 iw self/proxy  
 Wave 3 HRS:  
 E218 cs1a.proxy/self interview  
 E2627 g2.working for pay  
 E2628 g3.work for someone else/self-employed  
 E3011 g127a.more difficult things required  
 E3015 g127e.gradually reduce hours  
 E3016 g127f.move to less demanding job  
 Wave 4:  
 F3131 g2.working for pay  
 F3132 g3.work for someone else/self-employed  
 F3540 g127a.more difficult things required  
 F3544 g127e.gradually reduce hours  
 F3545 g127f.move to less demanding job  
 F47\_1 hhl r in nursing home - updated  
 F483 cs1a.proxy/self interview  
 Wave 5:  
 G3381 g2.working for pay  
 G3382 g3.work for someone else/self-employed  
 G3829 g127a.more difficult things required  
 G3833 g127e.gradually reduce hours  
 G3834 g127f.move to less demanding job  
 G47\_1 pr47.hhl r in nursing home - updated  
 G514 cs1a.proxy/self interview  
 Wave 6:  
 HA009 proxy/self interview  
 HA028 r in nursing home  
 HJ020 working for pay  
 HJ021 work for someone else/slf-employed  
 HJ546 more difficult things required  
 HJ550 gradually reduce hrs  
 HJ551 move to less demanding job  
 Wave 7:  
 JA009 proxy/self interview  
 JA028 r in nursing home  
 JJ020 working for pay  
 JJ021 work for someone else/slf-employed  
 JJ546 more difficult things required  
 JJ550 gradually reduce hrs  
 JJ551 move to less demanding job  
 JJ703 current wave marginally employed  
 Wave 8:  
 KA009 proxy/self interview  
 KA028 r in nursing home  
 KJ020 working for pay  
 KJ021 work for someone else/slf-employed  
 KJ546 more difficult things required  
 KJ550 gradually reduce hrs  
 KJ551 move to less demanding job  
 KJ703 current wave marginally employed

Wave 9:  
LA009 proxy/self interview  
LA028 r in nursing home  
LJ020 working for pay  
LJ021 work for someone else/slf-employed  
LJ546 more difficult things required  
LJ550 gradually reduce hrs  
LJ551 move to less demanding job  
LJ703 current wave marginally employed

Wave 10:  
MA009 proxy/self interview  
MA028 r in nursing home  
MJ020 working for pay  
MJ021 work for someone else/slf-employed  
MJ546 more difficult things required  
MJ550 gradually reduce hrs  
MJ551 move to less demanding job  
MJ703 current wave marginally employed

Wave 11:  
NA009 proxy/self interview  
NA028 r in nursing home  
NJ020 working for pay  
NJ021 work for someone else/slf-employed  
NJ546 more difficult things required  
NJ550 gradually reduce hrs  
NJ551 move to less demanding job  
NJ703 current wave marginally employed

Wave 12:  
OA009 proxy/self interview  
OA028 r in nursing home  
OJ020 working for pay  
OJ021 work for someone else/slf-employed  
OJ546 more difficult things required  
OJ550 gradually reduce hrs  
OJ551 move to less demanding job  
OJ703 current wave marginally employed

Wave 13:  
PA009 proxy/self interview  
PA028 r in nursing home  
PJ020 working for pay  
PJ021 work for someone else/slf-employed  
PJ546 more difficult things required  
PJ550 gradually reduce hrs  
PJ551 move to less demanding job  
PJ703 current wave marginally employed

Wave 14:  
QA009 proxy/self interview  
QA028 r in nursing home  
QJ020 working for pay  
QJ021 work for someone else/slf-employed  
QJ546 more difficult things required  
QJ550 gradually reduce hrs  
QJ551 move to less demanding job  
QJ703 current wave marginally employed

Wave 15:  
RA009 proxy/self interview  
RA028 r in nursing home  
RJ020 working for pay  
RJ021 work for someone else/slf-employed  
RJ546 more difficult things required  
RJ550 gradually reduce hrs  
RJ551 move to less demanding job  
RJ703 current wave marginally employed

<b>Current Job Characteristics: Satisfaction</b>
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Wave	Variable	Label	Type
02	R2JENJWRKA	r2jenjwrka:w2 r really enjoys going to work	Categ
03	R3JENJWRKA	r3jenjwrka:w3 r really enjoys going to work	Categ
04	R4JENJWRKA	r4jenjwrka:w4 r really enjoys going to work	Categ
05	R5JENJWRKA	r5jenjwrka:w5 r really enjoys going to work	Categ
06	R6JENJWRKA	r6jenjwrka:w6 r really enjoys going to work	Categ
07	R7JENJWRKA	r7jenjwrka:w7 r really enjoys going to work	Categ
08	R8JENJWRKA	r8jenjwrka:w8 r really enjoys going to work	Categ
09	R9JENJWRKA	r9jenjwrka:w9 r really enjoys going to work	Categ
10	R10JENJWRKA	r10jenjwrka:w10 r really enjoys going to work	Categ
11	R11JENJWRKA	r11jenjwrka:w11 r really enjoys going to work	Categ
12	R12JENJWRKA	r12jenjwrka:w12 r really enjoys going to work	Categ
13	R13JENJWRKA	r13jenjwrka:w13 r really enjoys going to work	Categ
14	R14JENJWRKA	r14jenjwrka:w14 r really enjoys going to work	Categ
15	R15JENJWRKA	r15jenjwrka:w15 r really enjoys going to work	Categ
02	S2JENJWRKA	s2jenjwrka:w2 s really enjoys going to work	Categ
03	S3JENJWRKA	s3jenjwrka:w3 s really enjoys going to work	Categ
04	S4JENJWRKA	s4jenjwrka:w4 s really enjoys going to work	Categ
05	S5JENJWRKA	s5jenjwrka:w5 s really enjoys going to work	Categ
06	S6JENJWRKA	s6jenjwrka:w6 s really enjoys going to work	Categ
07	S7JENJWRKA	s7jenjwrka:w7 s really enjoys going to work	Categ
08	S8JENJWRKA	s8jenjwrka:w8 s really enjoys going to work	Categ
09	S9JENJWRKA	s9jenjwrka:w9 s really enjoys going to work	Categ
10	S10JENJWRKA	s10jenjwrka:w10 s really enjoys going to work	Categ
11	S11JENJWRKA	s11jenjwrka:w11 s really enjoys going to work	Categ
12	S12JENJWRKA	s12jenjwrka:w12 s really enjoys going to work	Categ
13	S13JENJWRKA	s13jenjwrka:w13 s really enjoys going to work	Categ
14	S14JENJWRKA	s14jenjwrka:w14 s really enjoys going to work	Categ
15	S15JENJWRKA	s15jenjwrka:w15 s really enjoys going to work	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2JENJWRKA	6522	1.87	0.65	1.00	4.00
R3JENJWRKA	6146	1.86	0.63	1.00	4.00
R4JENJWRKA	7696	1.85	0.65	1.00	4.00
R5JENJWRKA	6575	1.85	0.63	1.00	4.00
R6JENJWRKA	5482	1.78	0.63	1.00	4.00
R7JENJWRKA	7172	1.81	0.65	1.00	4.00
R8JENJWRKA	6190	1.80	0.64	1.00	4.00
R9JENJWRKA	5491	1.77	0.63	1.00	4.00
R10JENJWRKA	8381	1.84	0.63	1.00	4.00
R11JENJWRKA	7520	1.84	0.64	1.00	4.00
R12JENJWRKA	6531	1.85	0.63	1.00	4.00
R13JENJWRKA	8368	1.84	0.63	1.00	4.00
R14JENJWRKA	6411	1.83	0.65	1.00	4.00
R15JENJWRKA	5309	1.84	0.62	1.00	4.00
S2JENJWRKA	5000	1.85	0.64	1.00	4.00
S3JENJWRKA	4606	1.85	0.62	1.00	4.00
S4JENJWRKA	5587	1.84	0.64	1.00	4.00
S5JENJWRKA	4793	1.85	0.62	1.00	4.00
S6JENJWRKA	3958	1.78	0.61	1.00	4.00
S7JENJWRKA	5138	1.80	0.64	1.00	4.00
S8JENJWRKA	4460	1.79	0.62	1.00	4.00
S9JENJWRKA	3912	1.76	0.63	1.00	4.00

S10JENJWRKA	5711	1.83	0.62	1.00	4.00
S11JENJWRKA	5134	1.83	0.63	1.00	4.00
S12JENJWRKA	4378	1.84	0.61	1.00	4.00
S13JENJWRKA	5277	1.83	0.61	1.00	4.00
S14JENJWRKA	3864	1.83	0.64	1.00	4.00
S15JENJWRKA	3136	1.85	0.60	1.00	4.00

### Categorical Variable Codes

Value-----	R2JENJWRKA	R3JENJWRKA	R4JENJWRKA	R5JENJWRKA
.d:DK	6	7	19	14
.f:works too few hrs/yr		104		
.h:nursing home ivw			6	4
.m:Missing	62	168	89	66
.p:proxy ivw	467	435	610	563
.q:not asked this wave	8222			
.r:Refuse	4	10	21	18
.w:not working	4359	11121	12943	12338
1.strongly agree	1755	1647	2165	1779
2.agree	3972	3807	4651	4071
3.disagree	690	610	754	642
4.strongly disagree	105	82	126	83

Value-----	R6JENJWRKA	R7JENJWRKA	R8JENJWRKA	R9JENJWRKA	R10JENJWRKA
.d:DK	14	15	12	3	9
.f:works too few hrs/yr		83	68	83	95
.h:nursing home ivw	29	3	1	1	1
.m:Missing	9	12	48	36	235
.n:does not apply				21	24
.p:proxy ivw	535	563	329	249	298
.r:Refuse	14	16	7	12	21
.w:not working	12082	12265	11814	11321	12970
1.strongly agree	1737	2166	1927	1818	2315
2.agree	3258	4281	3671	3212	5261
3.disagree	423	612	511	391	659
4.strongly disagree	64	113	81	70	146

Value-----	R11JENJWRKA	R12JENJWRKA	R13JENJWRKA	R14JENJWRKA	R15JENJWRKA
.d:DK	17	5	14	15	22
.f:works too few hrs/yr	147	108	117	139	100
.h:nursing home ivw		2	3	1	1
.m:Missing	74	59	153	71	99
.n:does not apply	13	10	8	23	22
.p:proxy ivw	224	198	200	134	128
.r:Refuse	14	12	17	5	13
.w:not working	12545	11822	12032	10347	10029
1.strongly agree	2067	1731	2252	1841	1406
2.agree	4699	4174	5330	3911	3405
3.disagree	619	496	639	535	418
4.strongly disagree	135	130	147	124	80

Value-----	S2JENJWRKA	S3JENJWRKA	S4JENJWRKA	S5JENJWRKA
.d:DK	6	4	15	9
.f:works too few hrs/yr		69		
.m:Missing	44	85	48	33
.p:proxy ivw	450	419	587	545
.q:not asked this wave	4350			
.r:Refuse	4	5	10	9
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.w:not working	3234	6728	7731	7341
1.strongly agree	1377	1211	1574	1292
2.agree	3047	2908	3410	2977
3.disagree	507	435	517	470
4.strongly disagree	69	52	86	54

Value-----	S6JENJWRKA	S7JENJWRKA	S8JENJWRKA	S9JENJWRKA	S10JENJWRKA
.d:DK	9	11	10	2	3
.f:works too few hrs/yr		59	52	58	65
.h:nursing home ivw	26	1	1	1	
.m:Missing	2	2	29	18	141
.n:does not apply				13	11
.p:proxy ivw	507	549	319	239	285



.r:Refuse		10	8	3	7	7
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.w:not working		7120	7200	6854	6390	7285
1.strongly agree		1241	1564	1387	1295	1585
2.agree		2384	3095	2676	2297	3625
3.disagree		298	399	346	275	412
4.strongly disagree		35	80	51	45	89
Value-----		S11JENJWRKA	S12JENJWRKA	S13JENJWRKA	S14JENJWRKA	S15JENJWRKA
.d:DK		11	3	9	8	7
.f:works too few hrs/yr		100	71	70	93	54
.h:nursing home ivw			1			
.m:Missing		32	22	62	24	15
.n:does not apply		9	7	5	13	13
.p:proxy ivw		217	193	197	131	122
.r:Refuse		6	8	6	1	3
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.w:not working		6967	6329	6152	5224	5116
1.strongly agree		1453	1144	1428	1115	804
2.agree		3184	2857	3391	2357	2049
3.disagree		419	297	380	322	243
4.strongly disagree		78	80	78	70	40

## How Constructed:

RwJENJWRKA indicates how much the respondent agrees that they really enjoy going to work. RwJENJWRKA is coded as follows: 1.strongly agree, 2.agree, 3.disagree, 4.strongly disagree. If the respondents are not working for pay, RwJENJWRKA is assigned special missing .w. In the HRS cohort in Wave 2 and starting in Wave 9, if the respondent says that the statement does not apply, then these variables are assigned special missing .n. Only in the AHEAD cohort in Wave 3, respondents are not asked questions about enjoying work if the respondent worked 520 hours or less for the year, so RwJENJWRKA is assigned special missing .f in Wave 3. In Wave 7 and onward, this variable is assigned special missing .f if the respondent is not asked this question because they work 200 or fewer hours during the year. In the AHEAD and HRS cohorts in Wave 3 and Wave 4 and onward, proxy respondents are not asked this question, and this variable is assigned special missing .p. Starting in Wave 4, respondents residing in nursing homes are not asked this question, and this variable is assigned special missing .h. This question is not asked at all in the AHEAD cohort in Wave 2, so this variable is assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwJENJWRKA is set to plain missing (.) for respondents who did not respond to the current wave.

SwJENJWRKA indicate how much the current wave's spouse agrees that they really enjoy going to work, and are taken from the spouse's values to RwJENJWRKA. In addition to the special missing codes used in RwJENJWRKA, SwJENJWRKA employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked how much they agree that they enjoy going to work in Wave 1. This question starts in the HRS cohort in Wave 2. This question is not asked at all in the AHEAD cohort in Wave 2.

In Wave 1 and starting in the HRS cohort in Wave 3, employed and self-employed respondents are asked the same question, whereas employed and self-employed respondents are asked this question separately in the HRS cohort in Wave 2 and the AHEAD cohort in Wave 3.

In the HRS cohort in Wave 2 and starting in Wave 9, the respondent is given the option to say that the statement does not apply.

In the AHEAD cohort in Wave 3, this question is not asked if the respondent worked less than 520 hours per year. Starting in Wave 7, respondents who work 200 or fewer hours during the year are not asked this question.

In the AHEAD and HRS cohorts in Wave 3 and Wave 4 and onward, this question is not asked if the interview is completed by proxy.

Starting in Wave 4, this question is not asked if the respondent lives in a nursing home.

### HRS Variables Used:

Wave 2 AHEAD:  
 BN\_INHH ahd w1: # r's responding in hhold

Wave 2 HRS:  
 W116 ics5. self/proxy interview  
 W3316 fa2.working for pay  
 W3953 fall16e.gradually reduce  
 W3955 fall16g.enjoy going to wo  
 W4610 fb76d.enjoy going to wor

Wave 3 AHEAD:  
 D2651 ga2.working any current  
 D2652 ga2a.retired work any since w1  
 D3108 gall16g.enjoy going to work  
 D3277 hrs per year  
 D3465 gb76d.enjoy going to work  
 D99 w1 iw self/proxy

Wave 3 HRS:  
 E218 cs1a.proxy/self interview  
 E2627 g2.working for pay  
 E3017 g127g.enjoy going to work

Wave 4:  
 F3131 g2.working for pay  
 F3546 g127g.enjoy going to work  
 F47\_1 hh1 r in nursing home - updated  
 F483 cs1a.proxy/self interview

Wave 5:  
 G3381 g2.working for pay  
 G3835 g127g.enjoy going to work  
 G47\_1 pr47.hh1 r in nursing home - updated  
 G514 cs1a.proxy/self interview

Wave 6:  
 HA009 proxy/self interview  
 HA028 r in nursing home  
 HJ020 working for pay  
 HJ552 enjoy going to work

Wave 7:  
 JA009 proxy/self interview  
 JA028 r in nursing home  
 JJ020 working for pay  
 JJ552 enjoy going to work  
 JJ703 current wave marginally employed

Wave 8:  
 KA009 proxy/self interview  
 KA028 r in nursing home  
 KJ020 working for pay  
 KJ552 enjoy going to work  
 KJ703 current wave marginally employed

Wave 9:  
 LA009 proxy/self interview  
 LA028 r in nursing home  
 LJ020 working for pay  
 LJ552 enjoy going to work  
 LJ703 current wave marginally employed

Wave 10:  
 MA009 proxy/self interview  
 MA028 r in nursing home  
 MJ020 working for pay  
 MJ552 enjoy going to work  
 MJ703 current wave marginally employed

Wave 11:

NA009 proxy/self interview  
NA028 r in nursing home  
NJ020 working for pay  
NJ552 enjoy going to work  
NJ703 current wave marginally employed

Wave 12:  
OA009 proxy/self interview  
OA028 r in nursing home  
OJ020 working for pay  
OJ552 enjoy going to work  
OJ703 current wave marginally employed

Wave 13:  
PA009 proxy/self interview  
PA028 r in nursing home  
PJ020 working for pay  
PJ552 enjoy going to work  
PJ703 current wave marginally employed

Wave 14:  
QA009 proxy/self interview  
QA028 r in nursing home  
QJ020 working for pay  
QJ552 enjoy going to work  
QJ703 current wave marginally employed

Wave 15:  
RA009 proxy/self interview  
RA028 r in nursing home  
RJ020 working for pay  
RJ552 enjoy going to work  
RJ703 current wave marginally employed

<b>Current Job Characteristics: Age Discrimination</b>
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Wave	Variable	Label	Type
01	R1JPROMYNGA	r1jppromynga:w1 r cur job employer promotes young over old	Categ
02	R2JPROMYNGA	r2jppromynga:w2 r cur job employer promotes young over old	Categ
03	R3JPROMYNGA	r3jppromynga:w3 r cur job employer promotes young over old	Categ
04	R4JPROMYNGA	r4jppromynga:w4 r cur job employer promotes young over old	Categ
05	R5JPROMYNGA	r5jppromynga:w5 r cur job employer promotes young over old	Categ
06	R6JPROMYNGA	r6jppromynga:w6 r cur job employer promotes young over old	Categ
07	R7JPROMYNGA	r7jppromynga:w7 r cur job employer promotes young over old	Categ
08	R8JPROMYNGA	r8jppromynga:w8 r cur job employer promotes young over old	Categ
09	R9JPROMYNGA	r9jppromynga:w9 r cur job employer promotes young over old	Categ
10	R10JPROMYNGA	r10jppromynga:w10 r cur job employer promotes young over old	Categ
11	R11JPROMYNGA	r11jppromynga:w11 r cur job employer promotes young over old	Categ
12	R12JPROMYNGA	r12jppromynga:w12 r cur job employer promotes young over old	Categ
13	R13JPROMYNGA	r13jppromynga:w13 r cur job employer promotes young over old	Categ
14	R14JPROMYNGA	r14jppromynga:w14 r cur job employer promotes young over old	Categ
15	R15JPROMYNGA	r15jppromynga:w15 r cur job employer promotes young over old	Categ
01	S1JPROMYNGA	s1jppromynga:w1 s cur job employer promotes young over old	Categ
02	S2JPROMYNGA	s2jppromynga:w2 s cur job employer promotes young over old	Categ
03	S3JPROMYNGA	s3jppromynga:w3 s cur job employer promotes young over old	Categ
04	S4JPROMYNGA	s4jppromynga:w4 s cur job employer promotes young over old	Categ
05	S5JPROMYNGA	s5jppromynga:w5 s cur job employer promotes young over old	Categ
06	S6JPROMYNGA	s6jppromynga:w6 s cur job employer promotes young over old	Categ
07	S7JPROMYNGA	s7jppromynga:w7 s cur job employer promotes young over old	Categ
08	S8JPROMYNGA	s8jppromynga:w8 s cur job employer promotes young over old	Categ
09	S9JPROMYNGA	s9jppromynga:w9 s cur job employer promotes young over old	Categ
10	S10JPROMYNGA	s10jppromynga:w10 s cur job employer promotes young over old	Categ
11	S11JPROMYNGA	s11jppromynga:w11 s cur job employer promotes young over old	Categ
12	S12JPROMYNGA	s12jppromynga:w12 s cur job employer promotes young over old	Categ
13	S13JPROMYNGA	s13jppromynga:w13 s cur job employer promotes young over old	Categ
14	S14JPROMYNGA	s14jppromynga:w14 s cur job employer promotes young over old	Categ
15	S15JPROMYNGA	s15jppromynga:w15 s cur job employer promotes young over old	Categ
01	R1JOLDRETA	r1joldreta:w1 r cur job co-workers encourage retirement befo	Categ
02	R2JOLDRETA	r2joldreta:w2 r cur job co-workers encourage retirement befo	Categ
03	R3JOLDRETA	r3joldreta:w3 r cur job co-workers encourage retirement befo	Categ
04	R4JOLDRETA	r4joldreta:w4 r cur job co-workers encourage retirement befo	Categ
05	R5JOLDRETA	r5joldreta:w5 r cur job co-workers encourage retirement befo	Categ
06	R6JOLDRETA	r6joldreta:w6 r cur job co-workers encourage retirement befo	Categ
07	R7JOLDRETA	r7joldreta:w7 r cur job co-workers encourage retirement befo	Categ
08	R8JOLDRETA	r8joldreta:w8 r cur job co-workers encourage retirement befo	Categ
09	R9JOLDRETA	r9joldreta:w9 r cur job co-workers encourage retirement befo	Categ
10	R10JOLDRETA	r10joldreta:w10 r cur job co-workers encourage retirement be	Categ
11	R11JOLDRETA	r11joldreta:w11 r cur job co-workers encourage retirement be	Categ
12	R12JOLDRETA	r12joldreta:w12 r cur job co-workers encourage retirement be	Categ
13	R13JOLDRETA	r13joldreta:w13 r cur job co-workers encourage retirement be	Categ
14	R14JOLDRETA	r14joldreta:w14 r cur job co-workers encourage retirement be	Categ
15	R15JOLDRETA	r15joldreta:w15 r cur job co-workers encourage retirement be	Categ
01	S1JOLDRETA	s1joldreta:w1 s cur job co-workers encourage retirement befo	Categ
02	S2JOLDRETA	s2joldreta:w2 s cur job co-workers encourage retirement befo	Categ
03	S3JOLDRETA	s3joldreta:w3 s cur job co-workers encourage retirement befo	Categ
04	S4JOLDRETA	s4joldreta:w4 s cur job co-workers encourage retirement befo	Categ
05	S5JOLDRETA	s5joldreta:w5 s cur job co-workers encourage retirement befo	Categ
06	S6JOLDRETA	s6joldreta:w6 s cur job co-workers encourage retirement befo	Categ
07	S7JOLDRETA	s7joldreta:w7 s cur job co-workers encourage retirement befo	Categ
08	S8JOLDRETA	s8joldreta:w8 s cur job co-workers encourage retirement befo	Categ
09	S9JOLDRETA	s9joldreta:w9 s cur job co-workers encourage retirement befo	Categ

10	S10JOLDRETA	s10joldreta:w10	s	cur	job	co-workers	encourage	retirement	be	Categ
11	S11JOLDRETA	s11joldreta:w11	s	cur	job	co-workers	encourage	retirement	be	Categ
12	S12JOLDRETA	s12joldreta:w12	s	cur	job	co-workers	encourage	retirement	be	Categ
13	S13JOLDRETA	s13joldreta:w13	s	cur	job	co-workers	encourage	retirement	be	Categ
14	S14JOLDRETA	s14joldreta:w14	s	cur	job	co-workers	encourage	retirement	be	Categ
15	S15JOLDRETA	s15joldreta:w15	s	cur	job	co-workers	encourage	retirement	be	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JPROMYNGA	6676	2.97	0.64	1.00	4.00
R2JPROMYNGA	5200	2.85	0.69	1.00	4.00
R3JPROMYNGA	4769	2.89	0.67	1.00	4.00
R4JPROMYNGA	5909	2.95	0.65	1.00	4.00
R5JPROMYNGA	5078	2.96	0.62	1.00	4.00
R6JPROMYNGA	4110	3.00	0.64	1.00	4.00
R7JPROMYNGA	5442	2.97	0.67	1.00	4.00
R8JPROMYNGA	4650	2.98	0.68	1.00	4.00
R9JPROMYNGA	3860	3.00	0.69	1.00	4.00
R10JPROMYNGA	6436	2.93	0.73	1.00	4.00
R11JPROMYNGA	5737	2.92	0.75	1.00	4.00
R12JPROMYNGA	4986	2.89	0.76	1.00	4.00
R13JPROMYNGA	6492	2.94	0.74	1.00	4.00
R14JPROMYNGA	4957	2.95	0.74	1.00	4.00
R15JPROMYNGA	4067	2.94	0.74	1.00	4.00
S1JPROMYNGA	5183	2.97	0.63	1.00	4.00
S2JPROMYNGA	3912	2.86	0.68	1.00	4.00
S3JPROMYNGA	3523	2.89	0.67	1.00	4.00
S4JPROMYNGA	4248	2.95	0.65	1.00	4.00
S5JPROMYNGA	3669	2.96	0.61	1.00	4.00
S6JPROMYNGA	2927	2.99	0.64	1.00	4.00
S7JPROMYNGA	3832	2.98	0.65	1.00	4.00
S8JPROMYNGA	3301	3.00	0.66	1.00	4.00
S9JPROMYNGA	2712	3.00	0.68	1.00	4.00
S10JPROMYNGA	4332	2.93	0.73	1.00	4.00
S11JPROMYNGA	3882	2.93	0.74	1.00	4.00
S12JPROMYNGA	3312	2.90	0.76	1.00	4.00
S13JPROMYNGA	4092	2.95	0.74	1.00	4.00
S14JPROMYNGA	2987	2.96	0.73	1.00	4.00
S15JPROMYNGA	2377	2.96	0.72	1.00	4.00
R1JOLDRETA	6697	3.00	0.64	1.00	4.00
R2JOLDRETA	5238	2.93	0.66	1.00	4.00
R3JOLDRETA	4824	2.99	0.63	1.00	4.00
R4JOLDRETA	6010	3.03	0.64	1.00	4.00
R5JOLDRETA	5149	3.03	0.59	1.00	4.00
R6JOLDRETA	4167	3.05	0.62	1.00	4.00
R7JOLDRETA	5539	3.04	0.64	1.00	4.00
R8JOLDRETA	4751	3.08	0.64	1.00	4.00
R9JOLDRETA	3968	3.07	0.66	1.00	4.00
R10JOLDRETA	6541	3.00	0.70	1.00	4.00
R11JOLDRETA	5860	3.00	0.70	1.00	4.00
R12JOLDRETA	5072	3.02	0.69	1.00	4.00
R13JOLDRETA	6611	3.02	0.71	1.00	4.00
R14JOLDRETA	5083	3.08	0.69	1.00	4.00
R15JOLDRETA	4202	3.08	0.70	1.00	4.00
S1JOLDRETA	5199	3.01	0.62	1.00	4.00
S2JOLDRETA	3953	2.94	0.66	1.00	4.00
S3JOLDRETA	3562	3.00	0.61	1.00	4.00
S4JOLDRETA	4330	3.03	0.63	1.00	4.00

S5JOLDRETA	3712	3.03	0.58	1.00	4.00
S6JOLDRETA	2966	3.05	0.61	1.00	4.00
S7JOLDRETA	3912	3.04	0.64	1.00	4.00
S8JOLDRETA	3374	3.09	0.63	1.00	4.00
S9JOLDRETA	2793	3.07	0.65	1.00	4.00
S10JOLDRETA	4399	2.99	0.70	1.00	4.00
S11JOLDRETA	3950	3.00	0.71	1.00	4.00
S12JOLDRETA	3364	3.02	0.68	1.00	4.00
S13JOLDRETA	4160	3.03	0.71	1.00	4.00
S14JOLDRETA	3053	3.07	0.69	1.00	4.00
S15JOLDRETA	2449	3.08	0.69	1.00	4.00

### Categorical Variable Codes

Value-----	R1JPROMYNGA	R2JPROMYNGA	R3JPROMYNGA	R4JPROMYNGA	R5JPROMYNGA
.d:DK	52	76	98	155	143
.f:works too few hrs/yr			104		
.h:nursing home ivw				6	4
.m:Missing	6	13	163	89	64
.n:does not apply		42			
.p:proxy ivw		335	308	445	407
.q:not asked this wave		8222			
.r:Refuse	120	21	15	28	25
.s:self-employed	1536	1374	1416	1809	1519
.w:not working	4262	4359	11118	12943	12338
1.strongly agree	209	278	210	225	148
2.agree	865	829	728	731	650
3.disagree	4543	3477	3192	4051	3544
4.strongly disagree	1059	616	639	902	736

Value-----	R6JPROMYNGA	R7JPROMYNGA	R8JPROMYNGA	R9JPROMYNGA	R10JPROMYNGA
.d:DK	110	169	213	72	100
.f:works too few hrs/yr		83	68	83	95
.h:nursing home ivw	23	3	1		1
.m:Missing	9	11	13	15	213
.n:does not apply				302	232
.p:proxy ivw	379	395	228	176	203
.r:Refuse	25	35	12	14	25
.s:self-employed	1427	1726	1470	1374	1760
.w:not working	12082	12265	11814	11321	12969
1.strongly agree	127	225	192	165	369
2.agree	474	621	543	423	865
3.disagree	2796	3676	3059	2529	4054
4.strongly disagree	713	920	856	743	1148

Value-----	R11JPROMYNGA	R12JPROMYNGA	R13JPROMYNGA	R14JPROMYNGA	R15JPROMYNGA
.d:DK	68	67	123	21	69
.f:works too few hrs/yr	147	108	117	139	100
.h:nursing home ivw		2	3	1	1
.m:Missing	49	45	97	62	96
.n:does not apply	233	141	190	290	240
.p:proxy ivw	161	149	148	104	97
.r:Refuse	21	13	25	5	22
.s:self-employed	1593	1413	1685	1220	1002
.w:not working	12545	11823	12032	10347	10029
1.strongly agree	350	325	334	249	216
2.agree	823	779	986	741	596
3.disagree	3521	2991	3920	2961	2453
4.strongly disagree	1043	891	1252	1006	802

Value-----	S1JPROMYNGA	S2JPROMYNGA	S3JPROMYNGA	S4JPROMYNGA	S5JPROMYNGA
.d:DK	39	63	65	114	97
.f:works too few hrs/yr			69		
.m:Missing	3	1	85	48	32
.n:does not apply		32			
.p:proxy ivw		321	296	429	393
.q:not asked this wave		4350			
.r:Refuse	93	17	9	13	14
.s:self-employed	1287	1158	1144	1395	1184
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:not working	3295	3234	6725	7731	7341

1.strongly agree	148	196	153	163	97
2.agree	653	625	530	524	470
3.disagree	3574	2620	2374	2914	2569
4.strongly disagree	808	471	466	647	533
Value-----	S6JPROMYNGA	S7JPROMYNGA	S8JPROMYNGA	S9JPROMYNGA	S10JPROMYNGA
.d:DK	77	115	151	50	60
.f:works too few hrs/yr		59	52	58	65
.h:nursing home ivw	21	1	1		
.m:Missing	2	2	5	6	128
.n:does not apply				210	142
.p:proxy ivw	353	382	219	168	192
.r:Refuse	17	22	8	8	12
.s:self-employed	1115	1355	1137	1038	1293
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7284
1.strongly agree	85	140	116	112	244
2.agree	346	430	378	286	568
3.disagree	1996	2613	2208	1795	2766
4.strongly disagree	500	649	599	519	754
Value-----	S11JPROMYNGA	S12JPROMYNGA	S13JPROMYNGA	S14JPROMYNGA	S15JPROMYNGA
.d:DK	32	36	65	9	32
.f:works too few hrs/yr	100	71	70	93	54
.h:nursing home ivw		1			
.m:Missing	16	15	32	18	14
.n:does not apply	148	85	102	159	138
.p:proxy ivw	155	144	145	101	91
.r:Refuse	9	8	13	1	11
.s:self-employed	1167	1010	1107	766	633
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6967	6330	6152	5224	5116
1.strongly agree	221	202	208	144	116
2.agree	556	525	600	431	321
3.disagree	2384	1991	2485	1808	1491
4.strongly disagree	721	594	799	604	449
Value-----	R1JOLDRETA	R2JOLDRETA	R3JOLDRETA	R4JOLDRETA	R5JOLDRETA
.d:DK	35	43	46	60	77
.f:works too few hrs/yr			104		
.h:nursing home ivw				6	4
.m:Missing	6	13	162	89	64
.n:does not apply		42			
.p:proxy ivw		335	308	445	407
.q:not asked this wave		8222			
.r:Refuse	116	16	13	22	20
.s:self-employed	1536	1374	1416	1809	1519
.w:not working	4262	4359	11118	12943	12338
1.strongly agree	174	217	148	170	107
2.agree	833	693	549	608	495
3.disagree	4514	3563	3352	4088	3677
4.strongly disagree	1176	765	775	1144	870
Value-----	R6JOLDRETA	R7JOLDRETA	R8JOLDRETA	R9JOLDRETA	R10JOLDRETA
.d:DK	62	81	114	32	59
.f:works too few hrs/yr		83	68	83	95
.h:nursing home ivw	23	3	1		1
.m:Missing	9	11	13		213
.n:does not apply				235	168
.p:proxy ivw	379	395	228	176	203
.r:Refuse	16	26	10	12	25
.s:self-employed	1427	1726	1470	1374	1760
.w:not working	12082	12265	11814	11321	12969
1.strongly agree	102	186	134	118	267
2.agree	409	493	411	376	820
3.disagree	2854	3786	3156	2579	4108
4.strongly disagree	802	1074	1050	895	1346
Value-----	R11JOLDRETA	R12JOLDRETA	R13JOLDRETA	R14JOLDRETA	R15JOLDRETA
.d:DK	36	31	83	19	35
.f:works too few hrs/yr	147	108	117	139	100
.h:nursing home ivw		2	3	1	1
.m:Missing	49	45	97	62	96
.n:does not apply	144	88	117	166	142

.p:proxy ivw	161	149	148	104	97
.r:Refuse	19	16	19	5	19
.s:self-employed	1593	1413	1685	1220	1002
.w:not working	12545	11823	12032	10347	10029
1.strongly agree	222	182	262	163	139
2.agree	779	630	799	548	456
3.disagree	3618	3177	4071	3116	2552
4.strongly disagree	1241	1083	1479	1256	1055
Value-----	S1JOLDRETA	S2JOLDRETA	S3JOLDRETA	S4JOLDRETA	S5JOLDRETA
.d:DK	27	31	29	36	58
.f:works too few hrs/yr			69		
.m:Missing	3	1	84	48	32
.n:does not apply		26			
.p:proxy ivw		321	296	429	393
.q:not asked this wave		4350			
.r:Refuse	89	14	7	9	10
.s:self-employed	1287	1158	1144	1395	1184
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:not working	3295	3234	6725	7731	7341
1.strongly agree	126	161	90	122	69
2.agree	599	506	401	433	353
3.disagree	3576	2693	2500	2961	2675
4.strongly disagree	898	593	571	814	615
Value-----	S6JOLDRETA	S7JOLDRETA	S8JOLDRETA	S9JOLDRETA	S10JOLDRETA
.d:DK	45	42	80	22	33
.f:works too few hrs/yr		59	52	58	65
.h:nursing home ivw	21	1	1		
.m:Missing	2	2	5	6	128
.n:does not apply				157	103
.p:proxy ivw	353	382	219	168	192
.r:Refuse	10	15	6	8	11
.s:self-employed	1115	1355	1137	1038	1293
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7284
1.strongly agree	69	130	81	75	179
2.agree	286	335	279	267	553
3.disagree	2052	2680	2271	1829	2792
4.strongly disagree	559	767	743	622	875
Value-----	S11JOLDRETA	S12JOLDRETA	S13JOLDRETA	S14JOLDRETA	S15JOLDRETA
.d:DK	21	15	46	9	20
.f:works too few hrs/yr	100	71	70	93	54
.h:nursing home ivw		1			
.m:Missing	16	15	32	18	14
.n:does not apply	91	52	57	93	81
.p:proxy ivw	155	144	145	101	91
.r:Refuse	9	10	9	1	8
.s:self-employed	1167	1010	1107	766	633
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6967	6330	6152	5224	5116
1.strongly agree	151	112	159	94	74
2.agree	554	421	510	342	267
3.disagree	2406	2123	2550	1867	1507
4.strongly disagree	839	708	941	750	601

### How Constructed:

RwJPROMYNGA and RwJOLDRETA indicate how much the respondent agrees with specific statements about their current job. RwJPROMYNGA indicates how much the respondent agrees that, in decisions about promotion, their current employer gives younger people preference over older people. RwJOLDRETA indicates how much the respondent agrees that their current co-workers make older workers feel that they ought to retire before age 65. These variables are coded as follows: 1.strongly agree, 2.agree, 3.disagree, 4.strongly disagree. If the respondents are self-employed, they are not asked about promotion decisions or co-workers pressuring older workers to retire and RwJPROMYNGA and RwJOLDRETA are assigned special missing .s. If the respondents are not working for pay, RwJPROMYNGA and RwJOLDRETA are assigned special missing .w. In the HRS cohort in Wave 2 and starting in Wave 9, if the respondent says that the statement does not apply, then these variables are assigned special missing .n. In the AHEAD and HRS cohorts in Wave 3 and Wave 4 and onward, proxy respondents are not asked these questions, and these variables are assigned



special missing .p. Starting in Wave 4, respondents residing in nursing homes are not asked these questions, and these variables are assigned special missing .h. In Wave 7 and onward, these variables are assigned special missing .f if the respondent is not asked these questions because they work 200 or fewer hours during the year. These questions are not asked at all in the AHEAD cohort in Wave 2, so these variables are assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwJPROMYNGA and RwJOLDRETA are set to plain missing (.) for respondents who did not respond to the current wave.

SwJPROMYNGA and SwJOLDRETA indicate how much the current wave's spouse agrees with specific statements about their job, and are taken from the spouse's values to RwJPROMYNGA and RwJOLDRETA. In addition to the special missing codes used in RwJPROMYNGA and RwJOLDRETA, SwJPROMYNGA and SwJOLDRETA employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In Wave 1 and starting in the HRS cohort in Wave 3, employed and self-employed respondents are asked the same questions, whereas employed and self-employed respondents are asked these questions separately in the HRS cohort in Wave 2 and the AHEAD cohort in Wave 3.

These questions are not asked at all in the AHEAD cohort in Wave 2.

In the HRS cohort in Wave 2 and starting in Wave 9, the respondent is given the option to say that the statement does not apply.

In the AHEAD and HRS cohorts in Wave 3 and Wave 4 and onward, these questions are not asked if the interview is completed by proxy.

Starting in Wave 4, these questions are not asked if the respondent lives in a nursing home.

Starting in Wave 7, respondents who work 200 or fewer hours during the year are not asked these questions.

## HRS Variables Used:

Wave 1:	
V2717	f2:any wrk for pay :imp
V2718	f3:who work for :imp
V3324	f85c:prmtn/yngr prfd
V3325	f85d:co-wkrs encrge ret
Wave 2 AHEAD:	
BN_INHH	ahd w1: # r's responding in hhold
Wave 2 HRS:	
W116	ics5. self/proxy interview
W3316	fa2.working for pay
W3317	fa3.work for someone els
W3951	fall6c.preference to you
W3952	fall6d.pressure to retire
Wave 3 AHEAD:	
D2651	ga2.working any current
D2652	ga2a.retired work any since w1
D2653	ga3. self/other employed
D3104	gall6c.decisions
D3105	gall6d. pressure to retire
D3277	hrs per year
D99	w1 iw self/proxy
Wave 3 HRS:	
E218	cs1a.proxy/self interview
E2627	g2.working for pay
E2628	g3.work for someone else/self-employed
E3013	g127c.preference to young for promotion

E3014 g127d.pressure to retire

Wave 4:

F3131 g2.working for pay  
F3132 g3.work for someone else/self-employed  
F3542 g127c.preference to young for promotion  
F3543 g127d.pressure to retire  
F47\_1 hhl r in nursing home - updated  
F483 cs1a.proxy/self interview

Wave 5:

G3381 g2.working for pay  
G3382 g3.work for someone else/self-employed  
G3831 g127c.preference to young for promotion  
G3832 g127d.pressure to retire  
G47\_1 pr47.hhl r in nursing home - updated  
G514 cs1a.proxy/self interview

Wave 6:

HA009 proxy/self interview  
HA028 r in nursing home  
HJ020 working for pay  
HJ021 work for someone else/slf-employed  
HJ548 preference to young for promotion  
HJ549 pressure to retire

Wave 7:

JA009 proxy/self interview  
JA028 r in nursing home  
JJ020 working for pay  
JJ021 work for someone else/slf-employed  
JJ548 preference to young for promotion  
JJ703 current wave marginally employed

Wave 8:

KA009 proxy/self interview  
KA028 r in nursing home  
KJ020 working for pay  
KJ021 work for someone else/slf-employed  
KJ548 preference to young for promotion  
KJ703 current wave marginally employed

Wave 9:

LA009 proxy/self interview  
LA028 r in nursing home  
LJ020 working for pay  
LJ021 work for someone else/slf-employed  
LJ548 preference to young for promotion  
LJ703 current wave marginally employed

Wave 10:

MA009 proxy/self interview  
MA028 r in nursing home  
MJ020 working for pay  
MJ021 work for someone else/slf-employed  
MJ548 preference to young for promotion  
MJ703 current wave marginally employed

Wave 11:

NA009 proxy/self interview  
NA028 r in nursing home  
NJ020 working for pay  
NJ021 work for someone else/slf-employed  
NJ548 preference to young for promotion  
NJ703 current wave marginally employed

Wave 12:

OA009 proxy/self interview  
OA028 r in nursing home  
OJ020 working for pay  
OJ021 work for someone else/slf-employed  
OJ548 preference to young for promotion

OJ703 current wave marginally employed

Wave 13:

PA009 proxy/self interview  
PA028 r in nursing home  
PJ020 working for pay  
PJ021 work for someone else/slf-employed  
PJ548 preference to young for promotion  
PJ703 current wave marginally employed

Wave 14:

QA009 proxy/self interview  
QA028 r in nursing home  
QJ020 working for pay  
QJ021 work for someone else/slf-employed  
QJ548 preference to young for promotion  
QJ703 current wave marginally employed

Wave 15:

RA009 proxy/self interview  
RA028 r in nursing home  
RJ020 working for pay  
RJ021 work for someone else/slf-employed  
RJ548 preference to young for promotion  
RJ703 current wave marginally employed

<b>Company Size</b>
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Wave	Variable	Label	Type
01	R1CSIZE	r1csize:w1 r size of total company/org	Cont
02	R2CSIZE	r2csize:w2 r size of total company/org	Cont
03	R3CSIZE	r3csize:w3 r size of total company/org	Cont
04	R4CSIZE	r4csize:w4 r size of total company/org	Cont
05	R5CSIZE	r5csize:w5 r size of total company/org	Cont
06	R6CSIZE	r6csize:w6 r size of total company/org	Cont
07	R7CSIZE	r7csize:w7 r size of total company/org	Cont
08	R8CSIZE	r8csize:w8 r size of total company/org	Cont
09	R9CSIZE	r9csize:w9 r size of total company/org	Cont
10	R10CSIZE	r10csize:w10 r size of total company/org	Cont
11	R11CSIZE	r11csize:w11 r size of total company/org	Cont
12	R12CSIZE	r12csize:w12 r size of total company/org	Cont
13	R13CSIZE	r13csize:w13 r size of total company/org	Cont
14	R14CSIZE	r14csize:w14 r size of total company/org	Cont
15	R15CSIZE	r15csize:w15 r size of total company/org	Cont
01	S1CSIZE	s1csize:w1 s size of total company/org	Cont
02	S2CSIZE	s2csize:w2 s size of total company/org	Cont
03	S3CSIZE	s3csize:w3 s size of total company/org	Cont
04	S4CSIZE	s4csize:w4 s size of total company/org	Cont
05	S5CSIZE	s5csize:w5 s size of total company/org	Cont
06	S6CSIZE	s6csize:w6 s size of total company/org	Cont
07	S7CSIZE	s7csize:w7 s size of total company/org	Cont
08	S8CSIZE	s8csize:w8 s size of total company/org	Cont
09	S9CSIZE	s9csize:w9 s size of total company/org	Cont
10	S10CSIZE	s10csize:w10 s size of total company/org	Cont
11	S11CSIZE	s11csize:w11 s size of total company/org	Cont
12	S12CSIZE	s12csize:w12 s size of total company/org	Cont
13	S13CSIZE	s13csize:w13 s size of total company/org	Cont
14	S14CSIZE	s14csize:w14 s size of total company/org	Cont
15	S15CSIZE	s15csize:w15 s size of total company/org	Cont
01	R1FCSIZE	r1fcsize:w1 r flag size of total company/org	Categ
02	R2FCSIZE	r2fcsize:w2 r flag size of total company/org	Categ
03	R3FCSIZE	r3fcsize:w3 r flag size of total company/org	Categ
04	R4FCSIZE	r4fcsize:w4 r flag size of total company/org	Categ
05	R5FCSIZE	r5fcsize:w5 r flag size of total company/org	Categ
06	R6FCSIZE	r6fcsize:w6 r flag size of total company/org	Categ
07	R7FCSIZE	r7fcsize:w7 r flag size of total company/org	Categ
08	R8FCSIZE	r8fcsize:w8 r flag size of total company/org	Categ
09	R9FCSIZE	r9fcsize:w9 r flag size of total company/org	Categ
10	R10FCSIZE	r10fcsize:w10 r flag size of total company/org	Categ
11	R11FCSIZE	r11fcsize:w11 r flag size of total company/org	Categ
12	R12FCSIZE	r12fcsize:w12 r flag size of total company/org	Categ
13	R13FCSIZE	r13fcsize:w13 r flag size of total company/org	Categ
14	R14FCSIZE	r14fcsize:w14 r flag size of total company/org	Categ
15	R15FCSIZE	r15fcsize:w15 r flag size of total company/org	Categ
01	S1FCSIZE	s1fcsize:w1 s flag size of total company/org	Categ
02	S2FCSIZE	s2fcsize:w2 s flag size of total company/org	Categ
03	S3FCSIZE	s3fcsize:w3 s flag size of total company/org	Categ
04	S4FCSIZE	s4fcsize:w4 s flag size of total company/org	Categ
05	S5FCSIZE	s5fcsize:w5 s flag size of total company/org	Categ
06	S6FCSIZE	s6fcsize:w6 s flag size of total company/org	Categ
07	S7FCSIZE	s7fcsize:w7 s flag size of total company/org	Categ
08	S8FCSIZE	s8fcsize:w8 s flag size of total company/org	Categ
09	S9FCSIZE	s9fcsize:w9 s flag size of total company/org	Categ

10	S10FCSIZE	s10fcsize:w10	s flag size of total company/org	Categ
11	S11FCSIZE	s11fcsize:w11	s flag size of total company/org	Categ
12	S12FCSIZE	s12fcsize:w12	s flag size of total company/org	Categ
13	S13FCSIZE	s13fcsize:w13	s flag size of total company/org	Categ
14	S14FCSIZE	s14fcsize:w14	s flag size of total company/org	Categ
15	S15FCSIZE	s15fcsize:w15	s flag size of total company/org	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1CSIZE	4772	9676.26	59482.99	1.00	999979.00
R2CSIZE	4248	9057.88	60179.53	1.00	1000000.00
R3CSIZE	3872	6767.09	49608.84	1.00	1000000.00
R4CSIZE	5208	6645.14	48244.30	0.00	1400000.00
R5CSIZE	5254	20945.63	222259.29	0.00	9999995.00
R6CSIZE	4064	113593.39	991677.42	0.00	9999995.00
R7CSIZE	5414	44849.74	565250.08	0.00	9999995.00
R8CSIZE	4556	35542.86	496712.49	0.00	9999995.00
R9CSIZE	4174	16988.12	206930.32	0.00	9999995.00
R10CSIZE	6398	21208.44	184886.95	0.00	9999995.00
R11CSIZE	5683	21454.90	221519.41	0.00	9999995.00
R12CSIZE	5064	24914.60	213261.97	0.00	8000000.00
R13CSIZE	6444	30683.12	255833.86	0.00	10000000.00
R14CSIZE	5054	73515.56	2828283.90	0.00	200000000.00
R15CSIZE	4213	33928.75	260428.76	0.00	10000000.00
S1CSIZE	3763	10779.19	63384.87	1.00	999979.00
S2CSIZE	3277	10513.08	66162.45	1.00	1000000.00
S3CSIZE	2952	7740.30	54522.21	1.00	1000000.00
S4CSIZE	3887	6990.75	48683.60	0.00	1400000.00
S5CSIZE	3892	23054.16	255630.34	0.00	9999995.00
S6CSIZE	2981	113600.00	987501.08	0.00	9999995.00
S7CSIZE	3938	50145.80	601871.62	0.00	9999995.00
S8CSIZE	3308	36874.58	498655.04	0.00	9999995.00
S9CSIZE	2995	15201.08	143827.23	0.00	5000000.00
S10CSIZE	4420	22799.42	202189.49	0.00	9999995.00
S11CSIZE	3906	20594.42	198075.51	0.00	9999995.00
S12CSIZE	3411	25655.82	206522.51	0.00	6000000.00
S13CSIZE	4130	30427.68	267879.25	0.00	10000000.00
S14CSIZE	3113	101660.84	3599816.70	0.00	200000000.00
S15CSIZE	2510	32149.32	259814.02	0.00	10000000.00
R1FCSIZE	4772	0.59	0.49	0.00	1.00
R2FCSIZE	4248	0.50	0.50	0.00	1.00
R3FCSIZE	3872	0.46	0.50	0.00	1.00
R4FCSIZE	5208	0.40	0.49	0.00	1.00
R5FCSIZE	5254	0.34	0.47	0.00	1.00
R6FCSIZE	4063	0.35	0.48	0.00	1.00
R7FCSIZE	5414	0.33	0.47	0.00	1.00
R8FCSIZE	4556	0.34	0.47	0.00	1.00
R9FCSIZE	4174	0.32	0.47	0.00	1.00
R10FCSIZE	6398	0.29	0.46	0.00	1.00
R11FCSIZE	5683	0.29	0.45	0.00	1.00
R12FCSIZE	5064	0.25	0.43	0.00	1.00
R13FCSIZE	6445	0.26	0.44	0.00	1.00
R14FCSIZE	5055	0.26	0.44	0.00	1.00
R15FCSIZE	4444	0.23	0.42	0.00	1.00
S1FCSIZE	3763	0.58	0.49	0.00	1.00
S2FCSIZE	3277	0.49	0.50	0.00	1.00
S3FCSIZE	2952	0.44	0.50	0.00	1.00
S4FCSIZE	3887	0.38	0.49	0.00	1.00

S5FCSIZE	3892	0.33	0.47	0.00	1.00
S6FCSIZE	2980	0.33	0.47	0.00	1.00
S7FCSIZE	3938	0.32	0.46	0.00	1.00
S8FCSIZE	3308	0.32	0.47	0.00	1.00
S9FCSIZE	2995	0.30	0.46	0.00	1.00
S10FCSIZE	4420	0.28	0.45	0.00	1.00
S11FCSIZE	3906	0.27	0.44	0.00	1.00
S12FCSIZE	3411	0.23	0.42	0.00	1.00
S13FCSIZE	4131	0.25	0.43	0.00	1.00
S14FCSIZE	3113	0.24	0.43	0.00	1.00
S15FCSIZE	2619	0.21	0.41	0.00	1.00

### Categorical Variable Codes

Value-----	R1FCSIZE	R2FCSIZE	R3FCSIZE	R4FCSIZE	R5FCSIZE
.d:DK	73	128	164	421	304
.e:error	1943	1231	897	666	45
.m:Missing	5	16	127	100	67
.o:other		6	1	1	1
.q:not asked this wave		8222	244	168	20
.r:Refuse	60	38	30	33	17
.s:self-employed	1537	1374	1522	1816	1524
.t:thousands of employees		20	1	1	
.w:not working	4262	4359	11133	12970	12346
0.reported	1934	2116	2103	3147	3465
1.based on bracket	2838	2132	1769	2061	1789

Value-----	R6FCSIZE	R7FCSIZE	R8FCSIZE	R9FCSIZE	R10FCSIZE
.d:DK	308	558	459	236	577
.e:error	53	43	34	12	7
.m:Missing	179	4	2	2	9
.n:nursing home ivw		346	302	288	282
.o:other	1		1		1
.q:not asked this wave	12	5	3	2	1
.r:Refuse	16	18	7	7	19
.s:self-employed	1439	1785	1530	1413	1804
.w:not working	12094	11956	11575	11083	12936
0.reported	2657	3624	3022	2829	4513
1.based on bracket	1406	1790	1534	1345	1885

Value-----	R11FCSIZE	R12FCSIZE	R13FCSIZE	R14FCSIZE	R15FCSIZE
.d:DK	546	305	499	331	80
.e:error	6	1			
.m:Missing	7	2	1	2	93
.n:nursing home ivw	316	294	286	204	188
.o:other	1				
.q:not asked this wave	1	1			
.r:Refuse	12	7	20	13	2
.s:self-employed	1643	1469	1739	1298	945
.w:not working	12339	11604	11922	10243	9971
0.reported	4040	3789	4749	3758	3412
1.based on bracket	1643	1275	1696	1297	1032

Value-----	S1FCSIZE	S2FCSIZE	S3FCSIZE	S4FCSIZE	S5FCSIZE
.d:DK	48	85	122	286	221
.e:error	1463	930	656	480	30
.m:Missing	3	5	58	57	34
.o:other		4	1	1	1
.q:not asked this wave		4350	157	104	10
.r:Refuse	40	29	20	18	7
.s:self-employed	1288	1158	1214	1399	1189
.t:thousands of employees		16	1	1	
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:not working	3295	3234	6735	7745	7346
0.reported	1591	1679	1652	2406	2613
1.based on bracket	2172	1598	1300	1481	1279

Value-----	S6FCSIZE	S7FCSIZE	S8FCSIZE	S9FCSIZE	S10FCSIZE
.d:DK	218	369	317	142	312
.e:error	33	28	22	8	5
.m:Missing	127	2	1	1	4

.n:nursing home ivw		20	17	16	19
.o:other	1		1		1
.q:not asked this wave	8	3	1	1	
.r:Refuse	10	12	4	4	13
.s:self-employed	1126	1399	1182	1070	1322
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7129	7197	6875	6403	7412
0.reported	2009	2697	2250	2102	3195
1.based on bracket	971	1241	1058	893	1225
Value-----	S11FCSIZE	S12FCSIZE	S13FCSIZE	S14FCSIZE	S15FCSIZE
.d:DK	333	181	276	162	43
.e:error	5				
.m:Missing	6	1	1	2	57
.n:nursing home ivw	24	22	17	18	15
.o:other	1				
.r:Refuse	5	5	9	6	2
.s:self-employed	1202	1048	1137	814	602
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6994	6344	6207	5243	5128
0.reported	2848	2620	3102	2369	2056
1.based on bracket	1058	791	1029	744	563

## How Constructed:

The HRS asks all respondents who report working for pay how many workers work for their company or organization at all locations. `RwCSIZE` is the number of employees that work for the respondent's company or organization at all locations. In Waves 1 through 10, if the respondent answers that they don't know the number of employees at all locations, then they are asked if it's fewer than 5, 5 to 14, 15 to 24, 25 to 99, 100 to 499, or 500 or more. Starting in Wave 11, if the respondent answers that they don't know the number of employees at all locations, then they are asked if it's fewer than 5, 5 to 14, 15 to 24, 25 to 49, 50 to 99, 100 to 499, or 500 or more. The following values are assigned based on these answers: 3 (fewer than 5), 10 (5-14), 20 (15-24), 37 (25-49), 62 (25-99), 75 (50 to 99), 300 (100-499), 500 (500 or more). `RwFCSIZE` is a flag variable indicating whether the value in `RwCSIZE` is taken from a direct answer, in which case `RwFCSIZE` is assigned a value of 0, or if the value in `RwCSIZE` is taken from the bracketed responses, in which case `RwFCSIZE` is assigned a value of 1. If the respondent reports that there is only one location for the company or organization, then the total number of employees in the company is assigned the number of employees at the respondent's location. In Wave 1, there was an error in the skip pattern and some people were asked the number of employees at their location, but not asked the number of employees at all locations, so `RwCSIZE` and `RwFCSIZE` are assigned special missing .e. Starting in the HRS cohort in Wave 2, if a respondent did not change companies and jobs, then the question is not asked again, so the value of `RwCSIZE` and `RwFCSIZE` are carried forward from the previous wave. If the respondent is self-employed, `RwCSIZE` and `RwFCSIZE` are assigned a special missing .s. If the respondent is not working for pay, `RwCSIZE` and `RwFCSIZE` are assigned a special missing .w. Starting in Wave 6, these variables are assigned a special missing .n if the respondent resides in a nursing home. In the HRS cohort in Wave 2, `RwCSIZE` and `RwFCSIZE` are assigned special missing .t if the respondent reports that all locations have thousands of employees. In the HRS and AHEAD cohorts in Wave 3, `RwCSIZE` and `RwFCSIZE` are assigned special missing .o if the respondent reports the company size as "other". This question is not asked at all in the AHEAD cohort in Wave 2, and so `RwCSIZE` and `RwFCSIZE` are assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. `RwCSIZE` and `RwFCSIZE` are set to plain missing (.) for respondents who did not respond to the current wave.

`SwCSIZE` and `SwFCSIZE` indicate the number of employees for the current wave's spouse's total company or organization and a flag variable and their values are taken from the spouse's values to `RwCSIZE` and `RwFCSIZE`. In addition to the special missing codes used in `RwCSIZE` and `RwFCSIZE`, `SwCSIZE` and `SwFCSIZE` employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The minimum and maximum values allowed changes by wave. In Waves 1 through 3, the minimum number of employees allowed is 1 for the size of the respondent's company. Starting in Wave 4, respondents are allowed to report a value of 0 for the size of the respondent's company. The maximum value for the size

of the respondent's total company is 999,979 in Wave 1, 9,999,994 in Waves 2, 3, and 4, 99,996 in the AHEAD cohort in Wave 3, and 9,999,996 in Wave 5. Starting in Wave 6, the possible maximum values for the size of the respondent's total company is not listed.

In Waves 1 through 10, if the respondent answers that they don't know the number of employees at all locations, then they are asked if it's fewer than 5, 5 to 14, 15 to 24, 25 to 99, 100 to 499, or 500 or more. Starting in Wave 11, they are asked if it's fewer than 5, 5 to 14, 15 to 24, 25 to 49, 50 to 99, 100 to 499, or 500 or more.

In the HRS cohort in Wave 2, the respondent can report "thousands" of employees for the entire company. In HRS Wave 3 and AHEAD Wave 2, the respondent can report "other" for the size of the entire company.

In Waves 2 through 4, Waves 6 through 8, Wave 10, and Wave 11, the respondent is not asked these questions if they had the same employer as in the previous wave.

### HRS Variables Used:

#### Wave 1:

V2717 f2:any wrk for pay :imp  
 V2718 f3:who work for :imp  
 V2812 f21:employees at locat  
 V2813 f21a:est # of employees  
 V2814 f22:num/emp:all locatns  
 V2815 f22a:est emp-all locatns

#### Wave 2 HRS:

W3316 fa2.working for pay  
 W3317 fa3.work for someone els  
 W3458 fa19.still working for w  
 W3658 fa57.number employees at  
 W3659 fa57a.estimated number e  
 W3660 fa58.number employees at  
 W3661 fa58a.estimate number em

#### Wave 3 AHEAD:

D2651 ga2.working any current  
 D2652 ga2a.retired work any since w1  
 D2653 ga3. self/other employed  
 D2910 ga57. number employees local  
 D2911 ga57a. number employees bracket  
 D2912 ga58. number employees total  
 D2913 ga58a. total number employees bracket

#### Wave 3 HRS:

E2627 g2.working for pay  
 E2628 g3.work for someone else/self-employed  
 E2817 g61\_.branchpoint  
 E2820 g61.number employees at location  
 E2821 g61a.estimated number employees  
 E2822 g62.number employees at all locations  
 E2824 g62a.estimated number employees

#### Wave 4:

F3131 g2.working for pay  
 F3132 g3.work for someone else/self-employed  
 F3340 g61 branchpoint  
 F3343 g61.number employees at location  
 F3344 g61a.estimated number employees  
 F3345 g62.number employees at all locations  
 F3347 g62a.estimated number employees

#### Wave 5:

G3381 g2.working for pay  
 G3382 g3.work for someone else/self-employed  
 G3603 g61.number employees at location  
 G3604 g61a.estimated number employees  
 G3605 g62.number employees at all locations  
 G3606 g62a.estimated number employees



Wave 6:  
HJ020 working for pay  
HJ021 work for someone else/slf-employed  
HJ045 still working prev employer  
HJ244 # employees at location  
HJ245 estimated # employees at location  
HJ246 # employees at all locations  
HJ247 estimated # employees at all locations

Wave 7:  
JJ045 still working prev employer  
JJ244 # employees at location  
JJ245 estimated # employees at location  
JJ246 # employees at all locations  
JJ247 estimated # employees at all locations  
JJ689 branchpoint for j689y

Wave 8:  
KJ045 still working prev employer  
KJ244 number of employees at location  
KJ245 estimated # employees at location  
KJ246 number of employees at all location  
KJ247 estimated # employees at all locations  
KJ689 branchpoint for j689y

Wave 9:  
LJ244 number of employees at location  
LJ245 estimated # employees at location  
LJ246 number of employees at all location  
LJ247 estimated # employees at all locations  
LJ689 branchpoint for j689y

Wave 10:  
MJ045 still working prev employer  
MJ244 number of employees at location  
MJ245 estimated # employees at location  
MJ246 number of employees at all location  
MJ247 estimated # employees at all locations  
MJ689 branchpoint for j689y

Wave 11:  
NJ045 still working prev employer  
NJ244 number of employees at location  
NJ245 estimated # employees at location  
NJ246 number of employees at all location  
NJ247 estimated # employees at all locations  
NJ689 branchpoint for j689y

Wave 12:  
OJ244 number of employees at location  
OJ245 estimated # employees at location  
OJ246 number of employees at all location  
OJ247 estimated # employees at all locations  
OJ689 branchpoint for j689y

Wave 13:  
PJ244 number of employees at location  
PJ245 estimated # employees at location  
PJ246 number of employees at all location  
PJ247 estimated # employees at all locations  
PJ689 branchpoint for j689y

Wave 14:  
QJ244 number of employees at location  
QJ245 estimated # employees at location  
QJ246 number of employees at all location  
QJ247 estimated # employees at all locations  
QJ689 branchpoint for j689y

Wave 15:  
RJ244 number of employees at location  
RJ245 estimated # employees at location

RJ246            number of employees at all location  
RJ247            estimated # employees at all locations  
RJ689            branchpoint for j689y

<b>Whether Work in Government</b>
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Wave	Variable	Label	Type
08	R8JGOVTEMP	r8jgovtemp:w8 r employed by government	Categ
09	R9JGOVTEMP	r9jgovtemp:w9 r employed by government	Categ
10	R10JGOVTEMP	r10jgovtemp:w10 r employed by government	Categ
11	R11JGOVTEMP	r11jgovtemp:w11 r employed by government	Categ
12	R12JGOVTEMP	r12jgovtemp:w12 r employed by government	Categ
13	R13JGOVTEMP	r13jgovtemp:w13 r employed by government	Categ
14	R14JGOVTEMP	r14jgovtemp:w14 r employed by government	Categ
15	R15JGOVTEMP	r15jgovtemp:w15 r employed by government	Categ
08	S8JGOVTEMP	s8jgovtemp:w8 s employed by government	Categ
09	S9JGOVTEMP	s9jgovtemp:w9 s employed by government	Categ
10	S10JGOVTEMP	s10jgovtemp:w10 s employed by government	Categ
11	S11JGOVTEMP	s11jgovtemp:w11 s employed by government	Categ
12	S12JGOVTEMP	s12jgovtemp:w12 s employed by government	Categ
13	S13JGOVTEMP	s13jgovtemp:w13 s employed by government	Categ
14	S14JGOVTEMP	s14jgovtemp:w14 s employed by government	Categ
15	S15JGOVTEMP	s15jgovtemp:w15 s employed by government	Categ
08	R8JGOVTTYP	r8jgovttyp:w8 r type govt employed by	Categ
09	R9JGOVTTYP	r9jgovttyp:w9 r type govt employed by	Categ
10	R10JGOVTTYP	r10jgovttyp:w10 r type govt employed by	Categ
11	R11JGOVTTYP	r11jgovttyp:w11 r type govt employed by	Categ
12	R12JGOVTTYP	r12jgovttyp:w12 r type govt employed by	Categ
13	R13JGOVTTYP	r13jgovttyp:w13 r type govt employed by	Categ
14	R14JGOVTTYP	r14jgovttyp:w14 r type govt employed by	Categ
15	R15JGOVTTYP	r15jgovttyp:w15 r type govt employed by	Categ
08	S8JGOVTTYP	s8jgovttyp:w8 s type govt employed by	Categ
09	S9JGOVTTYP	s9jgovttyp:w9 s type govt employed by	Categ
10	S10JGOVTTYP	s10jgovttyp:w10 s type govt employed by	Categ
11	S11JGOVTTYP	s11jgovttyp:w11 s type govt employed by	Categ
12	S12JGOVTTYP	s12jgovttyp:w12 s type govt employed by	Categ
13	S13JGOVTTYP	s13jgovttyp:w13 s type govt employed by	Categ
14	S14JGOVTTYP	s14jgovttyp:w14 s type govt employed by	Categ
15	S15JGOVTTYP	s15jgovttyp:w15 s type govt employed by	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8JGOVTEMP	5047	0.24	0.42	0.00	1.00
R9JGOVTEMP	4276	0.24	0.43	0.00	1.00
R10JGOVTEMP	6935	0.25	0.43	0.00	1.00
R11JGOVTEMP	6125	0.25	0.43	0.00	1.00
R12JGOVTEMP	5274	0.23	0.42	0.00	1.00
R13JGOVTEMP	6884	0.24	0.43	0.00	1.00
R14JGOVTEMP	5311	0.24	0.43	0.00	1.00
R15JGOVTEMP	4428	0.24	0.43	0.00	1.00
S8JGOVTEMP	3643	0.23	0.42	0.00	1.00
S9JGOVTEMP	3054	0.23	0.42	0.00	1.00
S10JGOVTEMP	4718	0.25	0.43	0.00	1.00
S11JGOVTEMP	4174	0.25	0.43	0.00	1.00
S12JGOVTEMP	3538	0.23	0.42	0.00	1.00
S13JGOVTEMP	4364	0.24	0.42	0.00	1.00
S14JGOVTEMP	3224	0.24	0.43	0.00	1.00
S15JGOVTEMP	2616	0.24	0.43	0.00	1.00

R8JGOVTTYP	1186	2.34	0.72	1.00	3.00
R9JGOVTTYP	1023	2.34	0.71	1.00	3.00
R10JGOVTTYP	1730	2.26	0.72	1.00	3.00
R11JGOVTTYP	1571	2.25	0.72	1.00	3.00
R12JGOVTTYP	1276	2.25	0.72	1.00	3.00
R13JGOVTTYP	1624	2.19	0.73	1.00	3.00
R14JGOVTTYP	1397	2.22	0.72	1.00	3.00
R15JGOVTTYP	1148	2.20	0.74	1.00	3.00
S8JGOVTTYP	851	2.35	0.70	1.00	3.00
S9JGOVTTYP	709	2.34	0.71	1.00	3.00
S10JGOVTTYP	1158	2.27	0.72	1.00	3.00
S11JGOVTTYP	1070	2.26	0.72	1.00	3.00
S12JGOVTTYP	846	2.25	0.71	1.00	3.00
S13JGOVTTYP	1020	2.20	0.72	1.00	3.00
S14JGOVTTYP	848	2.23	0.72	1.00	3.00
S15JGOVTTYP	685	2.20	0.74	1.00	3.00

### Categorical Variable Codes

Value-----	R8JGOVTEMP	R9JGOVTEMP	R10JGOVTEMP
.d:DK	53	24	49
.f:works too few hrs/yr	68	90	95
.m:Missing	14	126	204
.r:Refuse	3	6	22
.s:self-employed	1470	1374	1760
.w:not working	11814	11321	12969
0.no	3856	3248	5190
1.yes	1191	1028	1745

Value-----	R11JGOVTEMP	R12JGOVTEMP	R13JGOVTEMP	R14JGOVTEMP	R15JGOVTEMP
.d:DK	44	43	74	46	41
.f:works too few hrs/yr	149	108	117	139	100
.m:Missing	74	60	100	63	96
.r:Refuse	21	13	20	14	19
.s:self-employed	1593	1413	1685	1220	1004
.w:not working	12548	11836	12032	10353	10035
0.no	4613	4053	5246	4021	3368
1.yes	1512	1221	1638	1290	1060

Value-----	S8JGOVTEMP	S9JGOVTEMP	S10JGOVTEMP
.d:DK	36	15	19
.f:works too few hrs/yr	52	65	65
.m:Missing	4	73	121
.r:Refuse	2	5	8
.s:self-employed	1137	1038	1293
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:not working	6854	6390	7284
0.no	2791	2344	3550
1.yes	852	710	1168

Value-----	S11JGOVTEMP	S12JGOVTEMP	S13JGOVTEMP	S14JGOVTEMP	S15JGOVTEMP
.d:DK	24	22	43	22	19
.f:works too few hrs/yr	101	71	70	93	54
.m:Missing	33	25	33	18	17
.r:Refuse	8	8	9	6	8
.s:self-employed	1167	1010	1107	766	634
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6969	6338	6152	5229	5118
0.no	3138	2728	3335	2446	1983
1.yes	1036	810	1029	778	633

Value-----	R8JGOVTTYP	R9JGOVTTYP	R10JGOVTTYP
.d:DK	58	29	60
.f:works too few hrs/yr	68	90	95
.g:doesn't work for govt	3856	3248	5189
.m:Missing	14	126	204

.r:Refuse			3	6	23
.s:self-employed			1470	1374	1761
.w:not working			11814	11321	12972
1.federal			171	142	286
2.state			439	388	705
3.local (county, city, town)			576	493	739
Value-----	R11JGOVTTYP	R12JGOVTTYP	R13JGOVTTYP	R14JGOVTTYP	R15JGOVTTYP
.d:DK	55	60	83	60	58
.f:works too few hrs/yr	151	110	117	141	101
.g:doesn't work for govt	4355	3656	5238	3615	2984
.m:Missing	89	117	104	100	127
.r:Refuse	22	14	21	16	20
.s:self-employed	1647	1489	1686	1300	1088
.w:not working	12664	12025	12039	10517	10197
1.federal	264	208	300	240	218
2.state	647	539	708	604	477
3.local (county, city, town)	660	529	616	553	453
Value-----			S8JGOVTTYP	S9JGOVTTYP	S10JGOVTTYP
.d:DK			37	16	27
.f:works too few hrs/yr			52	65	65
.g:doesn't work for govt			2791	2344	3549
.m:Missing			4	73	121
.r:Refuse			2	5	8
.s:self-employed			1137	1038	1294
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
.w:not working			6854	6390	7286
1.federal			113	98	190
2.state			324	272	470
3.local (county, city, town)			414	339	498
Value-----	S11JGOVTTYP	S12JGOVTTYP	S13JGOVTTYP	S14JGOVTTYP	S15JGOVTTYP
.d:DK	33	32	50	30	27
.f:works too few hrs/yr	102	73	70	95	55
.g:doesn't work for govt	2975	2469	3332	2205	1758
.m:Missing	41	63	36	35	40
.r:Refuse	9	8	9	7	8
.s:self-employed	1204	1063	1107	817	685
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	7042	6458	6154	5321	5208
1.federal	173	134	184	142	133
2.state	442	366	443	368	280
3.local (county, city, town)	455	346	393	338	272

## How Constructed:

RwJGOVTEMP indicates whether the respondent currently works for the government at the federal, state, or local level, which includes teachers and other service workers who are on the payrolls of local government, school district, and other agencies of state and local government. RwJGOVTEMP is coded as 0 if the respondent reports not working for the government. RwJGOVTEMP is coded as 1 if the respondent reports working for the government at any level. Starting in Wave 9, if the respondent works for the same employer as in the last wave, then their value for RwJGOVTEMP in the previous wave is carried forward. RwJGOVTEMP is assigned special missing .w if the respondent is not working in the current wave. RwJGOVTEMP is assigned special missing .s if the respondent is self-employed in the current wave. RwJGOVTEMP is assigned special missing .f if the respondent is not asked this question because they work 200 or fewer hours during the year. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwJGOVTEMP is set to plain missing (.) for respondents who did not respond to the current wave.

SwJGOVTEMP indicates whether the current wave's spouse currently works for the government, and is taken from the spouse's values to RwJGOVTEMP. In addition to the special missing codes used in RwJGOVTEMP, SwJGOVTEMP employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwJGOVTTYP indicates which level of government the respondent is currently working for. RwJGOVTTYP is coded as follows: 1.federal, 2.state, 3.local (county, city, township). Starting in Wave 9, if the respondent works for the same employer as in the last wave, then their value for RwJGOVTTYP in the

previous wave is carried forward. RwJGOVTTYP is assigned special missing .g if the respondent does not currently work for the government. RwJGOVTTYP is assigned special missing .w if the respondent is not working in the current wave. RwJGOVTTYP is assigned special missing .s if the respondent is self-employed in the current wave. RwJGOVTTYP is assigned special missing .f if the respondent is not asked this question because they work 200 or fewer hours during the year. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwJGOVTTYP is set to plain missing (.) for respondents who did not respond to the current wave.

SwJGOVTTYP indicates which level of government the current wave's spouse currently works for, and is taken from the spouse's values to RwJGOVTTYP. In addition to the special missing codes used in RwJGOVTTYP, SwJGOVTTYP employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The respondent is not asked about currently working for the government or which branch they work for in Waves 1 through 7. These questions begin in Wave 8.

Starting in Wave 9, these questions are skipped if the respondent reports working for the same employer as in the previous wave.

## HRS Variables Used:

### Wave 8:

KJ020	working for pay
KJ021	work for someone else/slf-employed
KJ703	current wave marginally employed
KJ720	government employee
KJ721	employee of fed,state,local gov

### Wave 9:

LJ020	working for pay
LJ021	work for someone else/slf-employed
LJ045	still working prev employer
LJ703	current wave marginally employed
LJ720	government employee
LJ721	employee of fed,state,local gov

### Wave 10:

MJ020	working for pay
MJ021	work for someone else/slf-employed
MJ045	still working prev employer
MJ703	current wave marginally employed
MJ720	government employee
MJ721	employee of fed,state,local gov

### Wave 11:

NJ020	working for pay
NJ021	work for someone else/slf-employed
NJ045	still working prev employer
NJ703	current wave marginally employed
NJ720	government employee
NJ721	employee of fed,state,local gov

### Wave 12:

OJ020	working for pay
OJ021	work for someone else/slf-employed
OJ045	still working prev employer
OJ703	current wave marginally employed
OJ720	government employee
OJ721	employee of fed,state,local gov

### Wave 13:

PJ020	working for pay
PJ021	work for someone else/slf-employed
PJ045	still working prev employer

PJ703 current wave marginally employed  
PJ720 government employee  
PJ721 employee of fed,state,local gov

Wave 14:

QJ020 working for pay  
QJ021 work for someone else/slf-employed  
QJ045 still working prev employer  
QJ703 current wave marginally employed  
QJ720 government employee  
QJ721 employee of fed,state,local gov

Wave 15:

RJ020 working for pay  
RJ021 work for someone else/slf-employed  
RJ045 still working prev employer  
RJ703 current wave marginally employed  
RJ720 government employee  
RJ721 employee of fed,state,local gov

<b>Paid Days Off</b>
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Wave	Variable	Label	Type
01	R1JPLEAVE	r1jpleave:w1 r cur job paid leave days	Cont
02	R2JPLEAVE	r2jpleave:w2 r cur job paid leave days	Cont
03	R3JPLEAVE	r3jpleave:w3 r cur job paid leave days	Cont
04	R4JPLEAVE	r4jpleave:w4 r cur job paid leave days	Cont
05	R5JPLEAVE	r5jpleave:w5 r cur job paid leave days	Cont
06	R6JPLEAVE	r6jpleave:w6 r cur job paid leave days	Cont
07	R7JPLEAVE	r7jpleave:w7 r cur job paid leave days	Cont
08	R8JPLEAVE	r8jpleave:w8 r cur job paid leave days	Cont
09	R9JPLEAVE	r9jpleave:w9 r cur job paid leave days	Cont
10	R10JPLEAVE	r10jpleave:w10 r cur job paid leave days	Cont
11	R11JPLEAVE	r11jpleave:w11 r cur job paid leave days	Cont
12	R12JPLEAVE	r12jpleave:w12 r cur job paid leave days	Cont
13	R13JPLEAVE	r13jpleave:w13 r cur job paid leave days	Cont
14	R14JPLEAVE	r14jpleave:w14 r cur job paid leave days	Cont
15	R15JPLEAVE	r15jpleave:w15 r cur job paid leave days	Cont
01	S1JPLEAVE	s1jpleave:w1 s cur job paid leave days	Cont
02	S2JPLEAVE	s2jpleave:w2 s cur job paid leave days	Cont
03	S3JPLEAVE	s3jpleave:w3 s cur job paid leave days	Cont
04	S4JPLEAVE	s4jpleave:w4 s cur job paid leave days	Cont
05	S5JPLEAVE	s5jpleave:w5 s cur job paid leave days	Cont
06	S6JPLEAVE	s6jpleave:w6 s cur job paid leave days	Cont
07	S7JPLEAVE	s7jpleave:w7 s cur job paid leave days	Cont
08	S8JPLEAVE	s8jpleave:w8 s cur job paid leave days	Cont
09	S9JPLEAVE	s9jpleave:w9 s cur job paid leave days	Cont
10	S10JPLEAVE	s10jpleave:w10 s cur job paid leave days	Cont
11	S11JPLEAVE	s11jpleave:w11 s cur job paid leave days	Cont
12	S12JPLEAVE	s12jpleave:w12 s cur job paid leave days	Cont
13	S13JPLEAVE	s13jpleave:w13 s cur job paid leave days	Cont
14	S14JPLEAVE	s14jpleave:w14 s cur job paid leave days	Cont
15	S15JPLEAVE	s15jpleave:w15 s cur job paid leave days	Cont
01	R1JPSICK	r1jpsick:w1 r cur job paid sick days	Cont
02	R2JPSICK	r2jpsick:w2 r cur job paid sick days	Cont
03	R3JPSICK	r3jpsick:w3 r cur job paid sick days	Cont
04	R4JPSICK	r4jpsick:w4 r cur job paid sick days	Cont
05	R5JPSICK	r5jpsick:w5 r cur job paid sick days	Cont
06	R6JPSICK	r6jpsick:w6 r cur job paid sick days	Cont
07	R7JPSICK	r7jpsick:w7 r cur job paid sick days	Cont
08	R8JPSICK	r8jpsick:w8 r cur job paid sick days	Cont
09	R9JPSICK	r9jpsick:w9 r cur job paid sick days	Cont
10	R10JPSICK	r10jpsick:w10 r cur job paid sick days	Cont
11	R11JPSICK	r11jpsick:w11 r cur job paid sick days	Cont
12	R12JPSICK	r12jpsick:w12 r cur job paid sick days	Cont
13	R13JPSICK	r13jpsick:w13 r cur job paid sick days	Cont
14	R14JPSICK	r14jpsick:w14 r cur job paid sick days	Cont
15	R15JPSICK	r15jpsick:w15 r cur job paid sick days	Cont
01	S1JPSICK	s1jpsick:w1 s cur job paid sick days	Cont
02	S2JPSICK	s2jpsick:w2 s cur job paid sick days	Cont
03	S3JPSICK	s3jpsick:w3 s cur job paid sick days	Cont
04	S4JPSICK	s4jpsick:w4 s cur job paid sick days	Cont
05	S5JPSICK	s5jpsick:w5 s cur job paid sick days	Cont
06	S6JPSICK	s6jpsick:w6 s cur job paid sick days	Cont
07	S7JPSICK	s7jpsick:w7 s cur job paid sick days	Cont
08	S8JPSICK	s8jpsick:w8 s cur job paid sick days	Cont
09	S9JPSICK	s9jpsick:w9 s cur job paid sick days	Cont



10	S10JPSICK	s10jpsick:w10	s	cur	job	paid	sick	days	Cont
11	S11JPSICK	s11jpsick:w11	s	cur	job	paid	sick	days	Cont
12	S12JPSICK	s12jpsick:w12	s	cur	job	paid	sick	days	Cont
13	S13JPSICK	s13jpsick:w13	s	cur	job	paid	sick	days	Cont
14	S14JPSICK	s14jpsick:w14	s	cur	job	paid	sick	days	Cont
15	S15JPSICK	s15jpsick:w15	s	cur	job	paid	sick	days	Cont
01	R1JPDYSA	r1jpdysa:w1	r	cur	job	paid	days	off	Cont
02	R2JPDYSA	r2jpdysa:w2	r	cur	job	paid	days	off	Cont
03	R3JPDYSA	r3jpdysa:w3	r	cur	job	paid	days	off	Cont
04	R4JPDYSA	r4jpdysa:w4	r	cur	job	paid	days	off	Cont
05	R5JPDYSA	r5jpdysa:w5	r	cur	job	paid	days	off	Cont
06	R6JPDYSA	r6jpdysa:w6	r	cur	job	paid	days	off	Cont
07	R7JPDYSA	r7jpdysa:w7	r	cur	job	paid	days	off	Cont
08	R8JPDYSA	r8jpdysa:w8	r	cur	job	paid	days	off	Cont
09	R9JPDYSA	r9jpdysa:w9	r	cur	job	paid	days	off	Cont
10	R10JPDYSA	r10jpdysa:w10	r	cur	job	paid	days	off	Cont
11	R11JPDYSA	r11jpdysa:w11	r	cur	job	paid	days	off	Cont
12	R12JPDYSA	r12jpdysa:w12	r	cur	job	paid	days	off	Cont
13	R13JPDYSA	r13jpdysa:w13	r	cur	job	paid	days	off	Cont
14	R14JPDYSA	r14jpdysa:w14	r	cur	job	paid	days	off	Cont
15	R15JPDYSA	r15jpdysa:w15	r	cur	job	paid	days	off	Cont
01	S1JPDYSA	s1jpdysa:w1	s	cur	job	paid	days	off	Cont
02	S2JPDYSA	s2jpdysa:w2	s	cur	job	paid	days	off	Cont
03	S3JPDYSA	s3jpdysa:w3	s	cur	job	paid	days	off	Cont
04	S4JPDYSA	s4jpdysa:w4	s	cur	job	paid	days	off	Cont
05	S5JPDYSA	s5jpdysa:w5	s	cur	job	paid	days	off	Cont
06	S6JPDYSA	s6jpdysa:w6	s	cur	job	paid	days	off	Cont
07	S7JPDYSA	s7jpdysa:w7	s	cur	job	paid	days	off	Cont
08	S8JPDYSA	s8jpdysa:w8	s	cur	job	paid	days	off	Cont
09	S9JPDYSA	s9jpdysa:w9	s	cur	job	paid	days	off	Cont
10	S10JPDYSA	s10jpdysa:w10	s	cur	job	paid	days	off	Cont
11	S11JPDYSA	s11jpdysa:w11	s	cur	job	paid	days	off	Cont
12	S12JPDYSA	s12jpdysa:w12	s	cur	job	paid	days	off	Cont
13	S13JPDYSA	s13jpdysa:w13	s	cur	job	paid	days	off	Cont
14	S14JPDYSA	s14jpdysa:w14	s	cur	job	paid	days	off	Cont
15	S15JPDYSA	s15jpdysa:w15	s	cur	job	paid	days	off	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JPLEAVE	6761	13.13	11.14	0.00	135.00
R2JPLEAVE	5589	13.30	13.82	0.00	260.00
R3JPLEAVE	5267	12.56	17.01	0.00	260.00
R4JPLEAVE	6549	13.74	24.82	0.00	260.00
R5JPLEAVE	5682	11.91	18.13	0.00	260.00
R6JPLEAVE	4327	12.44	20.62	0.00	260.00
R7JPLEAVE	6020	12.50	19.96	0.00	260.00
R8JPLEAVE	5085	11.85	17.40	0.00	260.00
R9JPLEAVE	4438	11.51	17.68	0.00	260.00
R10JPLEAVE	6938	11.66	13.29	0.00	260.00
R11JPLEAVE	6226	11.20	12.36	0.00	260.00
R12JPLEAVE	5347	11.27	11.58	0.00	160.00
R13JPLEAVE	6892	11.90	12.51	0.00	260.00
R14JPLEAVE	5263	12.31	14.63	0.00	260.00
R15JPLEAVE	4342	12.86	16.62	0.00	260.00
S1JPLEAVE	5248	13.11	11.25	0.00	135.00
S2JPLEAVE	4285	13.46	14.52	0.00	260.00
S3JPLEAVE	3943	12.36	15.27	0.00	260.00
S4JPLEAVE	4814	13.72	24.27	0.00	260.00

S5JPLEAVE	4193	12.21	18.52	0.00	260.00
S6JPLEAVE	3163	12.52	20.06	0.00	260.00
S7JPLEAVE	4333	12.93	21.08	0.00	260.00
S8JPLEAVE	3672	11.98	17.23	0.00	260.00
S9JPLEAVE	3154	11.58	17.23	0.00	260.00
S10JPLEAVE	4697	11.99	14.19	0.00	260.00
S11JPLEAVE	4231	11.61	12.65	0.00	260.00
S12JPLEAVE	3574	11.75	11.60	0.00	90.00
S13JPLEAVE	4373	12.36	13.00	0.00	260.00
S14JPLEAVE	3213	13.07	14.93	0.00	260.00
S15JPLEAVE	2569	13.30	15.47	0.00	260.00
R1JPSICK	5648	6.93	10.36	0.00	90.00
R2JPSICK	5368	1.50	7.02	0.00	180.00
R3JPSICK	1498	5.50	18.75	0.00	365.00
R4JPSICK	3191	7.09	21.98	0.00	365.00
R5JPSICK	4554	6.94	19.33	0.00	365.00
R6JPSICK	1607	4.20	10.64	0.00	208.00
R7JPSICK	2761	7.03	19.28	0.00	365.00
R8JPSICK	2641	5.99	18.91	0.00	365.00
R9JPSICK	3663	6.36	16.97	0.00	365.00
R10JPSICK	3823	7.30	20.32	0.00	365.00
R11JPSICK	1525	4.90	13.34	0.00	280.00
R12JPSICK	1287	4.84	13.86	0.00	212.00
R13JPSICK	5924	7.59	19.51	0.00	365.00
R14JPSICK	1279	5.42	15.63	0.00	365.00
R15JPSICK	1128	6.66	17.62	0.00	365.00
S1JPSICK	4390	6.87	10.46	0.00	90.00
S2JPSICK	4128	1.50	7.32	0.00	180.00
S3JPSICK	1080	5.38	17.63	0.00	365.00
S4JPSICK	2335	6.90	20.36	0.00	365.00
S5JPSICK	3354	7.19	20.67	0.00	365.00
S6JPSICK	1169	4.23	9.70	0.00	150.00
S7JPSICK	1970	7.29	20.38	0.00	365.00
S8JPSICK	1866	6.15	20.69	0.00	365.00
S9JPSICK	2621	6.26	16.70	0.00	365.00
S10JPSICK	2529	7.46	21.79	0.00	365.00
S11JPSICK	1016	5.21	14.59	0.00	280.00
S12JPSICK	838	5.27	14.65	0.00	193.00
S13JPSICK	3775	7.89	21.38	0.00	365.00
S14JPSICK	761	5.63	17.08	0.00	365.00
S15JPSICK	632	6.89	20.10	0.00	365.00
R1JPDYSA	5620	19.51	17.25	0.00	144.00
R2JPDYSA	5320	14.76	15.64	0.00	260.00
R3JPDYSA	1490	14.05	27.24	0.00	390.00
R4JPDYSA	3183	19.43	35.26	0.00	395.00
R5JPDYSA	4548	18.37	28.40	0.00	390.00
R6JPDYSA	1534	11.91	23.49	0.00	390.00
R7JPDYSA	2744	19.13	31.87	0.00	395.00
R8JPDYSA	2640	16.35	28.63	0.00	395.00
R9JPDYSA	3661	17.51	27.37	0.00	440.00
R10JPDYSA	3864	18.18	25.27	0.00	400.00
R11JPDYSA	1566	12.46	18.52	0.00	295.00
R12JPDYSA	1324	12.35	19.04	0.00	222.00
R13JPDYSA	5989	19.26	24.82	0.00	390.00
R14JPDYSA	1247	13.81	22.29	0.00	370.00
R15JPDYSA	1095	15.65	26.82	0.00	365.00
S1JPDYSA	4371	19.37	17.44	0.00	144.00
S2JPDYSA	4096	14.93	16.33	0.00	260.00
S3JPDYSA	1077	13.40	23.27	0.00	390.00

S4JPDYSA	2329	19.16	33.59	0.00	390.00
S5JPDYSA	3349	18.80	29.34	0.00	390.00
S6JPDYSA	1111	11.73	19.90	0.00	264.00
S7JPDYSA	1955	19.76	33.22	0.00	395.00
S8JPDYSA	1866	16.48	29.21	0.00	395.00
S9JPDYSA	2620	17.43	26.86	0.00	440.00
S10JPDYSA	2560	18.53	26.80	0.00	400.00
S11JPDYSA	1046	13.19	19.53	0.00	295.00
S12JPDYSA	867	13.23	19.88	0.00	213.00
S13JPDYSA	3815	19.96	26.43	0.00	390.00
S14JPDYSA	743	14.73	22.41	0.00	370.00
S15JPDYSA	614	16.21	27.38	0.00	365.00

### How Constructed:

RwJPLEAVE indicates the respondent's number of days of paid leave at their current job. The respondent is asked how many weeks of paid vacation they get each year, but are allowed to answer with the amount of days, weeks, hours, or months. To transform responses into the number of days, responses in weeks are multiplied by 5 (assuming a 5 day work week), responses in hours are divided by 8 (assuming a 8 hour workday), and responses in months are multiplied by 21.6 (assuming 21.6 average work days per month). In Wave 14 and onward, respondents are allowed to report only the number of weeks of paid vacation they get, which is converted into number of days multiplying the value by 5, as per the criteria aforementioned. If the respondent is not working for pay, RwJPLEAVE is assigned special missing .w. If the respondent is self-employed, RwJPLEAVE is assigned special missing .s. This question is not asked in the AHEAD cohort in Wave 2, so RwJPLEAVE is assigned special missing .q in Wave 2. In Waves 2 through 10, Wave 12, and Wave 13, special missing .o is assigned if the respondent reported having another amount of paid leave or are using another (unspecified) unit of time. In Waves 10 through 13, respondents can report that sick and vacation time are combined, in which case RwJPLEAVE is assigned special missing .c. In Wave 14, respondents who reported a number of weeks greater than 52 are assigned special missing .i. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwJPLEAVE is set to plain missing (.) for respondents who did not respond to the current wave.

SwJPLEAVE is the number of days of paid leave for the respondent's spouse in the current wave, and is taken from the spouse's values to RwJPLEAVE. In addition to the special missing codes used in RwJPLEAVE, SwJPLEAVE employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave by their spouse is not interviewed.

RwJPSICK indicates the respondent's number of days of paid sick leave at their current job. The number of days of paid sick leave can only be reported as the number of days, and not another unit of time. If the respondent is not working for pay, RwJPSICK is assigned special missing .w. If the respondent is self-employed, RwJPSICK is assigned special missing .s. Special missing .n is assigned if the respondent reported having no set number of days of paid sick leave. In Waves 1 through 3, special missing .o is assigned if the respondent reported having another amount of paid sick leave. This question is not asked in the AHEAD cohort in Wave 2, so RwJPSICK is assigned special missing .q in Wave 2. In Waves 2 through 4 and Waves 6 and onward, respondents are not asked about the number of days of paid sick leave if the respondent did not change jobs between waves, and RwJPSICK is assigned special missing .j. In Waves 7 and onward, respondents are not asked this question if they work less than or equal to ten hours per week and less than or equal to twenty weeks per year, and RwJPSICK is assigned special missing .f. In Waves 10 through 13, if the respondent reported that their sick and vacation time are combined, RwJPSICK is assigned special missing .c. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwJPSICK is set to plain missing (.) for respondents who did not respond to the current wave.

SwJPSICK is the number of days of paid sick leave for the respondent's spouse in the current wave, and is taken from the spouse's values to RwJPSICK. In addition to the special missing codes used in RwJPSICK, SwJPSICK employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave by their spouse is not interviewed.

RwJPDYSA indicates the respondent's total number of paid days off, and is the sum of paid leave and paid sick leave at their current job (i.e. the sum of RwJPLEAVE and RwJPSICK). It is calculated only if there is a numeric value for both component variables. In Waves 10 through 13, if the respondent reports that

sick and vacation time are combined when asked about vacation time, then the respondent is asked for the number of weeks of paid time off each year, but are allowed to answer with the amount of days, weeks, hours, or months. To transform responses into the number of days, responses in weeks are multiplied by 5 (assuming a 5 day work week), responses in hours are divided by 8 (assuming a 8 hour workday), and responses in months are multiplied by 21.6 (assuming 21.6 average work days per month) and assigned to RwJPDYSA. If the respondent is not working for pay, RwJPDYSA is assigned special missing .w. If the respondent is self-employed, RwJPDYSA is assigned special missing .s. Special missing .n is assigned if the respondent reported having no set number of days of paid sick leave. In Wave 1, special missing .o is assigned if the respondent reported having another amount of paid sick leave. In Waves 2 and 3, special missing .o is assigned if the respondent reported having another amount of paid leave or paid sick leave. In Waves 4 through 10, Wave 12, and Wave 13, special missing .o is assigned if the respondent reported having another amount of paid leave or are using another (unspecified) unit of time. These questions are not asked in the AHEAD cohort in Wave 2, so RwJPDYSA is assigned special missing .q in Wave 2. In Waves 2 through 4 and Waves 6 and onward, respondents are not asked about the number of days of paid sick leave if the respondent did not change jobs between waves, and RwJPDYSA is assigned special missing .j. In Waves 7 and onward, RwJPDYSA is assigned special missing .f if respondents are not asked about the number of sick days because they work less than or equal to ten hours per week and less than or equal to twenty weeks per year. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwJPDYSA is set to plain missing (.) for respondents who did not respond to the current wave.

SwJPDYSA is the number of days of paid leave for the respondent's spouse in the current wave, and is taken from the spouse's values to RwJPDYSA. In addition to the special missing codes used in RwJPDYSA, SwJPDYSA employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave by their spouse is not interviewed.

## Cross Wave Differences in HRS

At the AHEAD cohort in Wave 2, respondents are not asked about the number of days of paid leave or paid sick leave at their current job.

In Waves 2 through 4, respondents are not asked about the number of days of paid sick leave if the respondent did not change employers after the previous interview. At Wave 5, this question was asked to respondents that did not change employers after the previous interview. Starting again at Wave 6, this question is not asked if the respondent did not change employers after the previous interview.

Starting at Wave 7, respondents are not asked about the number of days of paid sick leave at their current job if they work less than or equal to ten hours per week and less than or equal to twenty weeks per year.

In Waves 10 through 13, respondents can report that their sick and vacation time are combined, in which case they are asked for the number of weeks of paid time off they get each year (but can report the amount in days, weeks, hours, or months).

The units of time the respondent can use to report the number of days of paid leave (vacation) varies across waves. In all waves, the respondent can report the number of weeks. Starting in HRS Wave 2, the respondent can report the number of days or weeks. Starting in HRS Wave 3, the respondent can report the number of months, days, or weeks. In Waves 4, 5, and starting in Wave 8, the respondent can also report the number of hours. Starting in Wave 10, the respondent can report total paid time off in days, weeks, hours, and months, but in Wave 12 the respondent cannot report their paid time off in hours. In Wave 14 and onward the respondent can only report their paid time off in weeks.

## HRS Variables Used:

```
Wave 1:
V2717          f2:any wrk for pay   :imp
V2718          f3:who work for    :imp
V2727          f11:wks of paid vacation
V2728          f12:days paid sick leave

Wave 2 AHEAD:
BN_INHH       ahd w1: # r's responding in hhold
```

Wave 2 HRS:  
W3316 fa2.working for pay  
W3317 fa3.work for someone els  
W3502 fa21.same job title as w  
W3621 fa46.weeks of paid vacat  
W3622 fa46.paid vacation units  
W3627 fa49.number days paid si

Wave 3 AHEAD:  
D2651 ga2.working any current  
D2652 ga2a.retired work any since w1  
D2653 ga3. self/other employed  
D2843 ga46. weeks paid vacation  
D2844 ga46b.weeks pd vac per  
D2852 ga49. allowed sick days

Wave 3 HRS:  
E2627 g2.working for pay  
E2628 g3.work for someone else/self-employed  
E2743 g46.weeks of paid vacation  
E2744 g46b.paid vacation units  
E2750 g49\_.branchpoint  
E2751 g49.number days paid sick leave

Wave 4:  
F3131 g2.working for pay  
F3132 g3.work for someone else/self-employed  
F3266 g46.weeks of paid vacation  
F3267 g46b.paid vacation units  
F3273 g49 branchpoint  
F3274 g49.number days paid sick leave

Wave 5:  
G100\_1 pr100.hh2 r in nursing home - updated  
G106 pr106.hh2 2nd own residence - updated  
G3381 g2.working for pay  
G3382 g3.work for someone else/self-employed  
G3432 g21.same job title as previous wave  
G3516 g46.weeks of paid vacation  
G3517 g46b.paid vacation units  
G3534 g49.number days paid sick leave  
G47\_1 pr47.hh1 r in nursing home - updated  
G480 cs0y25.which hh  
G53 pr53.hh1 2nd own residence - updated

Wave 6:  
HJ020 working for pay  
HJ021 work for someone else/slf-employed  
HJ058 same job title as previous wave  
HJ176 number weeks paid vacation  
HJ177 time unit for weeks paid vacation  
HJ182 j182 branchpoint  
HJ183 # dys paid sick leave  
HX032 own 2nd residence-updated  
HZ008 prev wave r in nh at previous wave

Wave 7:  
JA028 r in nursing home  
JA070 nh: still own/rent home  
JJ020 working for pay  
JJ021 work for someone else/slf-employed  
JJ176 number weeks paid vacation  
JJ177 time unit for weeks paid vacation  
JJ183 # dys paid sick leave  
JJ703 current wave marginally employed

Wave 8:  
KA028 r in nursing home  
KA070 nh: still own/rent home  
KJ020 working for pay

KJ021 work for someone else/slf-employed  
KJ045 still working prev employer  
KJ058 same job title as previous wave  
KJ176 number weeks paid vacation  
KJ177 time unit for weeks paid vacation  
KJ183 paid sick days per year  
KJ703 current wave marginally employed  
KJ733 branchpoint for j733y

Wave 9:  
LA028 r in nursing home  
LA070 nh: still own/rent home  
LJ020 working for pay  
LJ021 work for someone else/slf-employed  
LJ045 still working prev employer  
LJ058 same job title as previous wave  
LJ176 number weeks paid vacation  
LJ177 time unit for weeks paid vacation  
LJ183 paid sick days per year  
LJ703 current wave marginally employed  
LJ733 branchpoint for j733y

Wave 10:  
MA028 r in nursing home  
MA070 nh: still own/rent home  
MJ020 working for pay  
MJ021 work for someone else/slf-employed  
MJ045 still working prev employer  
MJ058 same job title as previous wave  
MJ176 number weeks paid vacation  
MJ177 time unit for weeks paid vacation  
MJ183 paid sick days per year  
MJ703 current wave marginally employed  
MJ733 branchpoint for j733y  
MJ951 number weeks paid time off  
MJ952 time unit for weeks paid time off

Wave 11:  
NA028 r in nursing home  
NA070 nh: still own/rent home  
NJ020 working for pay  
NJ021 work for someone else/slf-employed  
NJ045 still working prev employer  
NJ058 same job title as previous wave  
NJ176 number weeks paid vacation  
NJ177 time unit for weeks paid vacation  
NJ183 paid sick days per year  
NJ703 current wave marginally employed  
NJ733 branchpoint for j733y  
NJ951 number weeks paid time off  
NJ952 time unit for weeks paid time off

Wave 12:  
OA028 r in nursing home  
OA070 nh: still own/rent home  
OJ020 working for pay  
OJ021 work for someone else/slf-employed  
OJ045 still working prev employer  
OJ058 same job title as previous wave  
OJ176 number weeks paid vacation  
OJ177 time unit for weeks paid vacation  
OJ183 paid sick days per year  
OJ703 current wave marginally employed  
OJ733 branchpoint for j733y  
OJ951 number weeks paid time off  
OJ952 time unit for weeks paid time off

Wave 13:

PA028 r in nursing home  
PA070 nh: still own/rent home  
PJ020 working for pay  
PJ021 work for someone else/slf-employed  
PJ045 still working prev employer  
PJ058 same job title as previous wave  
PJ176 number weeks paid vacation  
PJ177 time unit for weeks paid vacation  
PJ183 paid sick days per year  
PJ703 current wave marginally employed  
PJ733 branchpoint for j733y  
PJ951 number weeks paid time off  
PJ952 time unit for weeks paid time off

## Wave 14:

QA028 r in nursing home  
QA070 nh: still own/rent home  
QJ020 working for pay  
QJ021 work for someone else/slf-employed  
QJ045 still working prev employer  
QJ058 same job title as previous wave  
QJ176 number weeks paid vacation  
QJ183 paid sick days per year  
QJ703 current wave marginally employed  
QJ733 branchpoint for j733y

## Wave 15:

RA028 r in nursing home  
RA070 nh: still own/rent home  
RJ020 working for pay  
RJ021 work for someone else/slf-employed  
RJ045 still working prev employer  
RJ058 same job title as previous wave  
RJ176 number weeks paid vacation  
RJ183 paid sick days per year  
RJ703 current wave marginally employed  
RJ733 branchpoint for j733y

<b>Whether Supervises Others</b>
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Wave	Variable	Label	Type
01	R1JSPRVS	r1jsprvs:w1 whether r supervises others	Categ
02	R2JSPRVS	r2jsprvs:w2 whether r supervises others	Categ
03	R3JSPRVS	r3jsprvs:w3 whether r supervises others	Categ
04	R4JSPRVS	r4jsprvs:w4 whether r supervises others	Categ
05	R5JSPRVS	r5jsprvs:w5 whether r supervises others	Categ
06	R6JSPRVS	r6jsprvs:w6 whether r supervises others	Categ
07	R7JSPRVS	r7jsprvs:w7 whether r supervises others	Categ
08	R8JSPRVS	r8jsprvs:w8 whether r supervises others	Categ
09	R9JSPRVS	r9jsprvs:w9 whether r supervises others	Categ
10	R10JSPRVS	r10jsprvs:w10 whether r supervises others	Categ
11	R11JSPRVS	r11jsprvs:w11 whether r supervises others	Categ
12	R12JSPRVS	r12jsprvs:w12 whether r supervises others	Categ
13	R13JSPRVS	r13jsprvs:w13 whether r supervises others	Categ
14	R14JSPRVS	r14jsprvs:w14 whether r supervises others	Categ
15	R15JSPRVS	r15jsprvs:w15 whether r supervises others	Categ
01	S1JSPRVS	s1jsprvs:w1 whether s supervises others	Categ
02	S2JSPRVS	s2jsprvs:w2 whether s supervises others	Categ
03	S3JSPRVS	s3jsprvs:w3 whether s supervises others	Categ
04	S4JSPRVS	s4jsprvs:w4 whether s supervises others	Categ
05	S5JSPRVS	s5jsprvs:w5 whether s supervises others	Categ
06	S6JSPRVS	s6jsprvs:w6 whether s supervises others	Categ
07	S7JSPRVS	s7jsprvs:w7 whether s supervises others	Categ
08	S8JSPRVS	s8jsprvs:w8 whether s supervises others	Categ
09	S9JSPRVS	s9jsprvs:w9 whether s supervises others	Categ
10	S10JSPRVS	s10jsprvs:w10 whether s supervises others	Categ
11	S11JSPRVS	s11jsprvs:w11 whether s supervises others	Categ
12	S12JSPRVS	s12jsprvs:w12 whether s supervises others	Categ
13	S13JSPRVS	s13jsprvs:w13 whether s supervises others	Categ
14	S14JSPRVS	s14jsprvs:w14 whether s supervises others	Categ
15	S15JSPRVS	s15jsprvs:w15 whether s supervises others	Categ
01	R1JSPRVSN	r1jsprvsn:w1 number people r supervises	Cont
02	R2JSPRVSN	r2jsprvsn:w2 number people r supervises	Cont
03	R3JSPRVSN	r3jsprvsn:w3 number people r supervises	Cont
04	R4JSPRVSN	r4jsprvsn:w4 number people r supervises	Cont
05	R5JSPRVSN	r5jsprvsn:w5 number people r supervises	Cont
06	R6JSPRVSN	r6jsprvsn:w6 number people r supervises	Cont
07	R7JSPRVSN	r7jsprvsn:w7 number people r supervises	Cont
08	R8JSPRVSN	r8jsprvsn:w8 number people r supervises	Cont
09	R9JSPRVSN	r9jsprvsn:w9 number people r supervises	Cont
10	R10JSPRVSN	r10jsprvsn:w10 number people r supervises	Cont
11	R11JSPRVSN	r11jsprvsn:w11 number people r supervises	Cont
12	R12JSPRVSN	r12jsprvsn:w12 number people r supervises	Cont
13	R13JSPRVSN	r13jsprvsn:w13 number people r supervises	Cont
14	R14JSPRVSN	r14jsprvsn:w14 number people r supervises	Cont
15	R15JSPRVSN	r15jsprvsn:w15 number people r supervises	Cont
01	S1JSPRVSN	s1jsprvsn:w1 number people s supervises	Cont
02	S2JSPRVSN	s2jsprvsn:w2 number people s supervises	Cont
03	S3JSPRVSN	s3jsprvsn:w3 number people s supervises	Cont
04	S4JSPRVSN	s4jsprvsn:w4 number people s supervises	Cont
05	S5JSPRVSN	s5jsprvsn:w5 number people s supervises	Cont
06	S6JSPRVSN	s6jsprvsn:w6 number people s supervises	Cont
07	S7JSPRVSN	s7jsprvsn:w7 number people s supervises	Cont
08	S8JSPRVSN	s8jsprvsn:w8 number people s supervises	Cont
09	S9JSPRVSN	s9jsprvsn:w9 number people s supervises	Cont



10	S10JSPRVSN	s10jsprvsn:w10	number	people	s	supervises	Cont
11	S11JSPRVSN	s11jsprvsn:w11	number	people	s	supervises	Cont
12	S12JSPRVSN	s12jsprvsn:w12	number	people	s	supervises	Cont
13	S13JSPRVSN	s13jsprvsn:w13	number	people	s	supervises	Cont
14	S14JSPRVSN	s14jsprvsn:w14	number	people	s	supervises	Cont
15	S15JSPRVSN	s15jsprvsn:w15	number	people	s	supervises	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JSPRVS	6829	0.16	0.37	0.00	1.00
R2JSPRVS	5650	0.16	0.36	0.00	1.00
R3JSPRVS	5064	0.15	0.35	0.00	1.00
R4JSPRVS	6441	0.15	0.36	0.00	1.00
R5JSPRVS	5496	0.15	0.36	0.00	1.00
R6JSPRVS	4627	0.14	0.35	0.00	1.00
R7JSPRVS	6004	0.15	0.36	0.00	1.00
R8JSPRVS	5159	0.15	0.36	0.00	1.00
R9JSPRVS	4398	0.14	0.34	0.00	1.00
R10JSPRVS	6967	0.14	0.34	0.00	1.00
R11JSPRVS	6047	0.13	0.34	0.00	1.00
R12JSPRVS	5218	0.13	0.34	0.00	1.00
R13JSPRVS	6907	0.13	0.34	0.00	1.00
R14JSPRVS	5251	0.12	0.32	0.00	1.00
R15JSPRVS	4385	0.12	0.32	0.00	1.00
S1JSPRVS	5303	0.17	0.38	0.00	1.00
S2JSPRVS	4326	0.16	0.37	0.00	1.00
S3JSPRVS	3773	0.16	0.36	0.00	1.00
S4JSPRVS	4709	0.17	0.38	0.00	1.00
S5JSPRVS	4004	0.17	0.38	0.00	1.00
S6JSPRVS	3382	0.16	0.37	0.00	1.00
S7JSPRVS	4299	0.17	0.38	0.00	1.00
S8JSPRVS	3715	0.17	0.37	0.00	1.00
S9JSPRVS	3128	0.15	0.36	0.00	1.00
S10JSPRVS	4726	0.15	0.36	0.00	1.00
S11JSPRVS	4079	0.15	0.36	0.00	1.00
S12JSPRVS	3458	0.15	0.35	0.00	1.00
S13JSPRVS	4374	0.14	0.35	0.00	1.00
S14JSPRVS	3158	0.14	0.34	0.00	1.00
S15JSPRVS	2563	0.13	0.34	0.00	1.00
R1JSPRVSN	6720	2.15	8.47	0.00	92.00
R2JSPRVSN	5581	2.82	21.45	0.00	900.00
R3JSPRVSN	5029	3.11	23.10	0.00	850.00
R4JSPRVSN	6410	9.46	438.19	0.00	35000.00
R5JSPRVSN	5470	10.35	474.08	0.00	35000.00
R6JSPRVSN	4612	6.39	150.37	0.00	10000.00
R7JSPRVSN	5991	4.41	37.37	0.00	1500.00
R8JSPRVSN	5142	4.82	64.78	0.00	4000.00
R9JSPRVSN	4387	16.10	757.66	0.00	50000.00
R10JSPRVSN	6959	6.35	86.97	0.00	4000.00
R11JSPRVSN	6042	8.09	142.55	0.00	7000.00
R12JSPRVSN	5209	7.59	138.39	0.00	7000.00
R13JSPRVSN	6891	8.26	256.60	0.00	20000.00
R14JSPRVSN	5247	4.64	55.68	0.00	2000.00
R15JSPRVSN	4379	10.72	455.16	0.00	30000.00
S1JSPRVSN	5217	2.31	8.95	0.00	92.00
S2JSPRVSN	4272	3.07	23.72	0.00	900.00
S3JSPRVSN	3746	3.48	25.32	0.00	850.00
S4JSPRVSN	4682	12.14	512.61	0.00	35000.00

S5JSPRVSN	3981	13.43	555.60	0.00	35000.00
S6JSPRVSN	3369	5.01	34.49	0.00	920.00
S7JSPRVSN	4289	4.83	41.06	0.00	1500.00
S8JSPRVSN	3704	5.92	75.64	0.00	4000.00
S9JSPRVSN	3119	21.08	898.18	0.00	50000.00
S10JSPRVSN	4722	6.16	78.19	0.00	3200.00
S11JSPRVSN	4076	6.22	86.72	0.00	4000.00
S12JSPRVSN	3453	4.70	46.53	0.00	1800.00
S13JSPRVSN	4365	10.86	320.24	0.00	20000.00
S14JSPRVSN	3156	5.16	57.68	0.00	2000.00
S15JSPRVSN	2559	15.52	594.09	0.00	30000.00

### Categorical Variable Codes

Value-----	R1JSPRVS	R2JSPRVS	R3JSPRVS	R4JSPRVS	R5JSPRVS
.d:DK	4	4	7	3	1
.f:works too few hrs/yr			104		
.h:nursing home ivw				5	4
.m:Missing	6	11	157	129	89
.p:proxy ivw		180	188	191	289
.q:not asked this wave		8222			
.r:Refuse	14	15	7	11	9
.s:self-employed	1537	1374	1346	1661	1352
.w:not working	4262	4361	11118	12943	12338
0.no	5708	4765	4329	5445	4657
1.yes	1121	885	735	996	839

Value-----	R6JSPRVS	R7JSPRVS	R8JSPRVS	R9JSPRVS	R10JSPRVS
.d:DK	3	2	45	13	20
.h:nursing home ivw		1			1
.m:Missing	10	59	47	52	240
.p:proxy ivw	8	209	95	4	6
.r:Refuse	8	14	4	9	22
.s:self-employed	1427	1575	1305	1420	1809
.w:not working	12082	12265	11814	11321	12969
0.no	3979	5082	4392	3801	6014
1.yes	648	922	767	597	953

Value-----	R11JSPRVS	R12JSPRVS	R13JSPRVS	R14JSPRVS	R15JSPRVS
.d:DK	13	10	49	20	15
.h:nursing home ivw		2	5	1	1
.m:Missing	149	102	138	141	168
.p:proxy ivw	127	110	7	85	67
.r:Refuse	14	10	19	5	14
.s:self-employed	1659	1472	1755	1296	1044
.w:not working	12545	11823	12032	10347	10029
0.no	5257	4541	6016	4622	3875
1.yes	790	677	891	629	510

Value-----	S1JSPRVS	S2JSPRVS	S3JSPRVS	S4JSPRVS	S5JSPRVS
.d:DK	2	2	2	1	1
.f:works too few hrs/yr			69		
.m:Missing	3		78	71	46
.p:proxy ivw		7	180	184	280
.q:not asked this wave		4350			
.r:Refuse	9	11	3	3	2
.s:self-employed	1288	1158	1086	1279	1056
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:not working	3295	3234	6725	7731	7341
0.no	4401	3617	3188	3911	3320
1.yes	902	709	585	798	684

Value-----	S6JSPRVS	S7JSPRVS	S8JSPRVS	S9JSPRVS	S10JSPRVS
.d:DK	2	1	33	9	12
.m:Missing	2	36	30	28	147
.p:proxy ivw	7	199	91	3	3
.r:Refuse	4	5	3	8	10
.s:self-employed	1115	1228	1002	1074	1326
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7284

0.no		2844	3565	3092	2657	4020
1.yes		538	734	623	471	706
Value-----		S11JSPRVS	S12JSPRVS	S13JSPRVS	S14JSPRVS	S15JSPRVS
.d:DK		9	6	30	11	5
.h:nursing home ivw			1			
.m:Missing		82	53	60	66	54
.p:proxy ivw		122	106	6	83	62
.r:Refuse		4	8	10	1	6
.s:self-employed		1213	1050	1146	815	660
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.w:not working		6967	6330	6152	5224	5116
0.no		3466	2947	3756	2725	2228
1.yes		613	511	618	433	335

## How Constructed:

RwJSPRVS indicates whether the respondent makes decisions about the pay and promotion of others in their current job. RwJSPRVS is coded as 0 if the respondent does not make decisions about the pay and promotion of others in their current job. RwJSPRVS is coded as 1 if the respondent does make decisions about the pay and promotion of others in their current job. In Waves 2 through 5, 7, 8, 10 through 12, 14 and 15, if the respondent works for the same employer as in the last wave, then their value for RwJSPRVS in the previous wave is carried forward. RwJSPRVS is assigned special missing .w if the respondent is not working in the current wave. RwJSPRVS is assigned special missing .s if the respondent is self-employed in the current wave. Starting in the HRS cohort in Wave 2, this question is not asked to proxy respondents and RwJSPRVS is assigned special missing .p. Starting in Wave 4, respondents living in nursing homes are not asked this question and RwJSPRVS is assigned special missing .h. Only in the AHEAD cohort in Wave 3, this question is not asked if the respondent worked less than 520 hours during the year, and so RwJSPRVS is assigned a special missing .f. This question is not asked at all in the AHEAD cohort in Wave 2, so RwJSPRVS is assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwJSPRVS is set to plain missing (.) for respondents who did not respond to the current wave.

SwJSPRVS indicates whether the current wave's spouse makes decisions about the pay and promotion of others in their current job, and is taken from the spouse's values to RwJSPRVS. In addition to the special missing codes used in RwJSPRVS, SwJSPRVS employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwJSPRVSNI indicates the number of people the respondent makes decisions about the pay and promotion for in their work. If the respondent reports making decisions about the pay and promotion of others in their current job, they are asked how many people they make those decisions for. RwJSPRVSNI takes the value reported, and takes a value of 0 if the respondent does not make those decisions for anyone. In Waves 1 through 8, if the respondent reports making decisions about the pay and promotion for 95 or more people, then RwJSPRVSNI is assigned a special missing value .z. In Waves 2 through 5, 7, 8, 10 through 12, 14 and 15, if the respondent works for the same employer as in the last wave, then their value for RwJSPRVSNI in the previous wave is carried forward. RwJSPRVSNI is assigned special missing .w if the respondent is not working in the current wave. RwJSPRVSNI is assigned special missing .s if the respondent is self-employed in the current wave. Starting in the HRS cohort in Wave 2, this question is not asked to proxy respondents and RwJSPRVSNI is assigned special missing .p. Starting in Wave 4, respondents living in nursing homes are not asked this question and RwJSPRVSNI is assigned special missing .h. Only in the AHEAD cohort in Wave 3, this question is not asked if the respondent worked less than 520 hours during the year, and so RwJSPRVSNI is assigned a special missing .f. This question is not asked at all in the AHEAD cohort in Wave 2, so RwJSPRVSNI is assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwJSPRVSNI is set to plain missing (.) for respondents who did not respond to the current wave.

SwJSPRVSNI indicates the number of people the current wave's spouse makes decisions about the pay and promotion for in their work, and is taken from the spouse's values to RwJSPRVSNI. In addition to the special missing codes used in RwJSPRVSNI, SwJSPRVSNI employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In Wave 1, respondents who report making pay and promotion decisions for 95 or more people are given a value of 95 in the original HRS data and are assigned special missing .z in RwJSPRVSN. In all other waves, the HRS does not group values.

These questions are not asked at all in the AHEAD cohort in Wave 2.

In the HRS cohort in Wave 2, Waves 3-5, 7-8, 10-12, 14, and 15 respondents are not asked these questions about supervising other people if they didn't change employers or jobs.

In the AHEAD cohort in Wave 3, these questions are not asked if the respondent worked less than 520 hours per year.

In Waves 3 and onward, these questions are not asked if the interview is completed by proxy.

Starting in Wave 4, these questions are not asked if the respondent lives in a nursing home.

## HRS Variables Used:

```
Wave 1:
V2717      f2:any wrk for pay   :imp
V2718      f3:who work for    :imp
V2732      f15:make pay/promot deci
V2733      f15a:# peopl decide for

Wave 2 AHEAD:
BN_INHH    ahd w1: # r's responding in hhold

Wave 2 HRS:
W116       ics5. self/proxy interview
W3316      fa2.working for pay
W3317      fa3.work for someone els
W3458      fa19.still working for w
W3502      fa21.same job title as w
W3629      fa51.make decisions abou
W3630      fa51a.number people

Wave 3 AHEAD:
D2651      ga2.working any current
D2652      ga2a.retired work any since w1
D2653      ga3. self/other employed
D2855      ga51. supervise others
D2856      ga51a. number supervised
D3277      hrs per year
D99        w1 iw self/proxy

Wave 3 HRS:
E218       cs1a.proxy/self interview
E2627      g2.working for pay
E2628      g3.work for someone else/self-employed
E2754      g51.make decisions about pay/promotion
E2755      g51a.number people
E2983      g115_.branchpoint

Wave 4:
F3131      g2.working for pay
F3132      g3.work for someone else/self-employed
F3277      g51.make decisions about pay/promotion
F3278      g51a.number people
F3512      g115 branchpoint
F47_1      hhl r in nursing home - updated
F483       cs1a.proxy/self interview

Wave 5:
G3381      g2.working for pay
G3382      g3.work for someone else/self-employed
```

G3537 g51.make decisions about pay/promotion  
G3538 g51a.number people  
G3799 g115y1.g115 branchpoint  
G47\_1 pr47.hh1 r in nursing home - updated  
G514 csla.proxy/self interview

Wave 6:  
HA009 proxy/self interview  
HA028 r in nursing home  
HJ020 working for pay  
HJ021 work for someone else/slf-employed  
HJ185 make decisions about pay/promotion  
HJ186 # people- decisions about pay/promotion

Wave 7:  
JA009 proxy/self interview  
JA028 r in nursing home  
JJ020 working for pay  
JJ021 work for someone else/slf-employed  
JJ185 make decisions about pay/promotion  
JJ186 # people- decisions about pay/promotion  
JJ516 j516 branchpoint

Wave 8:  
KA009 proxy/self interview  
KA028 r in nursing home  
KJ020 working for pay  
KJ021 work for someone else/slf-employed  
KJ185 decisions about pay/promotion  
KJ186 how many pay and promotion decisions  
KJ516 j516 branchpoint

Wave 9:  
LA009 proxy/self interview  
LA028 r in nursing home  
LJ020 working for pay  
LJ021 work for someone else/slf-employed  
LJ185 decisions about pay/promotion  
LJ186 how many pay and promotion decisions

Wave 10:  
MA009 proxy/self interview  
MA028 r in nursing home  
MJ020 working for pay  
MJ021 work for someone else/slf-employed  
MJ058 same job title as previous wave  
MJ185 decisions about pay/promotion  
MJ186 how many pay and promotion decisions

Wave 11:  
NA009 proxy/self interview  
NA028 r in nursing home  
NJ020 working for pay  
NJ021 work for someone else/slf-employed  
NJ185 decisions about pay/promotion  
NJ186 how many pay and promotion decisions  
NJ516 j516 branchpoint

Wave 12:  
OA009 proxy/self interview  
OA028 r in nursing home  
OJ020 working for pay  
OJ021 work for someone else/slf-employed  
OJ185 decisions about pay/promotion  
OJ186 how many pay and promotion decisions  
OJ516 j516 branchpoint

Wave 13:  
PA009 proxy/self interview  
PA028 r in nursing home  
PJ020 working for pay

PJ021 work for someone else/slf-employed  
PJ185 decisions about pay/promotion  
PJ186 how many pay and promotion decisions

Wave 14:

QA009 proxy/self interview  
QA028 r in nursing home  
QJ020 working for pay  
QJ021 work for someone else/slf-employed  
QJ185 decisions about pay/promotion  
QJ186 how many pay and promotion decisions  
QJ516 j516 branchpoint

Wave 15:

RA009 proxy/self interview  
RA028 r in nursing home  
RJ020 working for pay  
RJ021 work for someone else/slf-employed  
RJ185 decisions about pay/promotion  
RJ186 how many pay and promotion decisions  
RJ516 j516 branchpoint

<b>Job Search: If Working</b>
-------------------------------

Wave	Variable	Label	Type
01	R1LOOKNWK	r1looknwk:w1 r looking for new job (if working)	Categ
02	R2LOOKNWK	r2looknwk:w2 r looking for new job (if working)	Categ
03	R3LOOKNWK	r3looknwk:w3 r looking for new job (if working)	Categ
04	R4LOOKNWK	r4looknwk:w4 r looking for new job (if working)	Categ
05	R5LOOKNWK	r5looknwk:w5 r looking for new job (if working)	Categ
06	R6LOOKNWK	r6looknwk:w6 r looking for new job (if working)	Categ
07	R7LOOKNWK	r7looknwk:w7 r looking for new job (if working)	Categ
08	R8LOOKNWK	r8looknwk:w8 r looking for new job (if working)	Categ
09	R9LOOKNWK	r9looknwk:w9 r looking for new job (if working)	Categ
10	R10LOOKNWK	r10looknwk:w10 r looking for new job (if working)	Categ
11	R11LOOKNWK	r11looknwk:w11 r looking for new job (if working)	Categ
12	R12LOOKNWK	r12looknwk:w12 r looking for new job (if working)	Categ
13	R13LOOKNWK	r13looknwk:w13 r looking for new job (if working)	Categ
14	R14LOOKNWK	r14looknwk:w14 r looking for new job (if working)	Categ
15	R15LOOKNWK	r15looknwk:w15 r looking for new job (if working)	Categ
01	S1LOOKNWK	s1looknwk:w1 s looking for new job (if working)	Categ
02	S2LOOKNWK	s2looknwk:w2 s looking for new job (if working)	Categ
03	S3LOOKNWK	s3looknwk:w3 s looking for new job (if working)	Categ
04	S4LOOKNWK	s4looknwk:w4 s looking for new job (if working)	Categ
05	S5LOOKNWK	s5looknwk:w5 s looking for new job (if working)	Categ
06	S6LOOKNWK	s6looknwk:w6 s looking for new job (if working)	Categ
07	S7LOOKNWK	s7looknwk:w7 s looking for new job (if working)	Categ
08	S8LOOKNWK	s8looknwk:w8 s looking for new job (if working)	Categ
09	S9LOOKNWK	s9looknwk:w9 s looking for new job (if working)	Categ
10	S10LOOKNWK	s10looknwk:w10 s looking for new job (if working)	Categ
11	S11LOOKNWK	s11looknwk:w11 s looking for new job (if working)	Categ
12	S12LOOKNWK	s12looknwk:w12 s looking for new job (if working)	Categ
13	S13LOOKNWK	s13looknwk:w13 s looking for new job (if working)	Categ
14	S14LOOKNWK	s14looknwk:w14 s looking for new job (if working)	Categ
15	S15LOOKNWK	s15looknwk:w15 s looking for new job (if working)	Categ
01	R1LOOKNWKPF	r1looknwkpf:w1 r look part or full-time new job (if working)	Categ
02	R2LOOKNWKPF	r2looknwkpf:w2 r look part or full-time new job (if working)	Categ
03	R3LOOKNWKPF	r3looknwkpf:w3 r look part or full-time new job (if working)	Categ
04	R4LOOKNWKPF	r4looknwkpf:w4 r look part or full-time new job (if working)	Categ
05	R5LOOKNWKPF	r5looknwkpf:w5 r look part or full-time new job (if working)	Categ
06	R6LOOKNWKPF	r6looknwkpf:w6 r look part or full-time new job (if working)	Categ
07	R7LOOKNWKPF	r7looknwkpf:w7 r look part or full-time new job (if working)	Categ
08	R8LOOKNWKPF	r8looknwkpf:w8 r look part or full-time new job (if working)	Categ
09	R9LOOKNWKPF	r9looknwkpf:w9 r look part or full-time new job (if working)	Categ
10	R10LOOKNWKPF	r10looknwkpf:w10 r look part or full-time new job (if workin	Categ
11	R11LOOKNWKPF	r11looknwkpf:w11 r look part or full-time new job (if workin	Categ
12	R12LOOKNWKPF	r12looknwkpf:w12 r look part or full-time new job (if workin	Categ
13	R13LOOKNWKPF	r13looknwkpf:w13 r look part or full-time new job (if workin	Categ
14	R14LOOKNWKPF	r14looknwkpf:w14 r look part or full-time new job (if workin	Categ
15	R15LOOKNWKPF	r15looknwkpf:w15 r look part or full-time new job (if workin	Categ
01	S1LOOKNWKPF	s1looknwkpf:w1 s look part or full-time new job (if working)	Categ
02	S2LOOKNWKPF	s2looknwkpf:w2 s look part or full-time new job (if working)	Categ
03	S3LOOKNWKPF	s3looknwkpf:w3 s look part or full-time new job (if working)	Categ
04	S4LOOKNWKPF	s4looknwkpf:w4 s look part or full-time new job (if working)	Categ
05	S5LOOKNWKPF	s5looknwkpf:w5 s look part or full-time new job (if working)	Categ
06	S6LOOKNWKPF	s6looknwkpf:w6 s look part or full-time new job (if working)	Categ
07	S7LOOKNWKPF	s7looknwkpf:w7 s look part or full-time new job (if working)	Categ
08	S8LOOKNWKPF	s8looknwkpf:w8 s look part or full-time new job (if working)	Categ
09	S9LOOKNWKPF	s9looknwkpf:w9 s look part or full-time new job (if working)	Categ

10	S10LOOKNWKPF	s10looknwkp:f:w10	s	look part or full-time new job (if workin	Categ
11	S11LOOKNWKPF	s11looknwkp:f:w11	s	look part or full-time new job (if workin	Categ
12	S12LOOKNWKPF	s12looknwkp:f:w12	s	look part or full-time new job (if workin	Categ
13	S13LOOKNWKPF	s13looknwkp:f:w13	s	look part or full-time new job (if workin	Categ
14	S14LOOKNWKPF	s14looknwkp:f:w14	s	look part or full-time new job (if workin	Categ
15	S15LOOKNWKPF	s15looknwkp:f:w15	s	look part or full-time new job (if workin	Categ
01	R1LOOKNWKSD	r1looknwksd:w1	r	look same or diff new job (if working)	Categ
02	R2LOOKNWKSD	r2looknwksd:w2	r	look same or diff new job (if working)	Categ
03	R3LOOKNWKSD	r3looknwksd:w3	r	look same or diff new job (if working)	Categ
04	R4LOOKNWKSD	r4looknwksd:w4	r	look same or diff new job (if working)	Categ
05	R5LOOKNWKSD	r5looknwksd:w5	r	look same or diff new job (if working)	Categ
06	R6LOOKNWKSD	r6looknwksd:w6	r	look same or diff new job (if working)	Categ
07	R7LOOKNWKSD	r7looknwksd:w7	r	look same or diff new job (if working)	Categ
08	R8LOOKNWKSD	r8looknwksd:w8	r	look same or diff new job (if working)	Categ
09	R9LOOKNWKSD	r9looknwksd:w9	r	look same or diff new job (if working)	Categ
10	R10LOOKNWKSD	r10looknwksd:w10	r	look same or diff new job (if working)	Categ
11	R11LOOKNWKSD	r11looknwksd:w11	r	look same or diff new job (if working)	Categ
12	R12LOOKNWKSD	r12looknwksd:w12	r	look same or diff new job (if working)	Categ
13	R13LOOKNWKSD	r13looknwksd:w13	r	look same or diff new job (if working)	Categ
14	R14LOOKNWKSD	r14looknwksd:w14	r	look same or diff new job (if working)	Categ
15	R15LOOKNWKSD	r15looknwksd:w15	r	look same or diff new job (if working)	Categ
01	S1LOOKNWKSD	s1looknwksd:w1	s	look same or diff new job (if working)	Categ
02	S2LOOKNWKSD	s2looknwksd:w2	s	look same or diff new job (if working)	Categ
03	S3LOOKNWKSD	s3looknwksd:w3	s	look same or diff new job (if working)	Categ
04	S4LOOKNWKSD	s4looknwksd:w4	s	look same or diff new job (if working)	Categ
05	S5LOOKNWKSD	s5looknwksd:w5	s	look same or diff new job (if working)	Categ
06	S6LOOKNWKSD	s6looknwksd:w6	s	look same or diff new job (if working)	Categ
07	S7LOOKNWKSD	s7looknwksd:w7	s	look same or diff new job (if working)	Categ
08	S8LOOKNWKSD	s8looknwksd:w8	s	look same or diff new job (if working)	Categ
09	S9LOOKNWKSD	s9looknwksd:w9	s	look same or diff new job (if working)	Categ
10	S10LOOKNWKSD	s10looknwksd:w10	s	look same or diff new job (if working)	Categ
11	S11LOOKNWKSD	s11looknwksd:w11	s	look same or diff new job (if working)	Categ
12	S12LOOKNWKSD	s12looknwksd:w12	s	look same or diff new job (if working)	Categ
13	S13LOOKNWKSD	s13looknwksd:w13	s	look same or diff new job (if working)	Categ
14	S14LOOKNWKSD	s14looknwksd:w14	s	look same or diff new job (if working)	Categ
15	S15LOOKNWKSD	s15looknwksd:w15	s	look same or diff new job (if working)	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LOOKNWK	8349	0.10	0.30	0.00	1.00
R2LOOKNWK	5324	0.10	0.30	0.00	1.00
R3LOOKNWK	6123	0.08	0.27	0.00	1.00
R4LOOKNWK	7728	0.08	0.27	0.00	1.00
R5LOOKNWK	6597	0.07	0.25	0.00	1.00
R6LOOKNWK	5498	0.06	0.25	0.00	1.00
R7LOOKNWK	7189	0.10	0.31	0.00	1.00
R8LOOKNWK	6204	0.09	0.29	0.00	1.00
R9LOOKNWK	5520	0.10	0.29	0.00	1.00
R10LOOKNWK	8414	0.15	0.36	0.00	1.00
R11LOOKNWK	7547	0.14	0.35	0.00	1.00
R12LOOKNWK	6542	0.12	0.33	0.00	1.00
R13LOOKNWK	8382	0.14	0.35	0.00	1.00
R14LOOKNWK	6434	0.12	0.33	0.00	1.00
R15LOOKNWK	5339	0.10	0.30	0.00	1.00
S1LOOKNWK	6582	0.09	0.29	0.00	1.00
S2LOOKNWK	4012	0.10	0.29	0.00	1.00
S3LOOKNWK	4580	0.07	0.26	0.00	1.00
S4LOOKNWK	5609	0.08	0.27	0.00	1.00



S5LOOKNWK	4807	0.06	0.25	0.00	1.00
S6LOOKNWK	3970	0.06	0.24	0.00	1.00
S7LOOKNWK	5151	0.10	0.30	0.00	1.00
S8LOOKNWK	4470	0.09	0.28	0.00	1.00
S9LOOKNWK	3928	0.09	0.28	0.00	1.00
S10LOOKNWK	5722	0.14	0.34	0.00	1.00
S11LOOKNWK	5153	0.12	0.33	0.00	1.00
S12LOOKNWK	4384	0.11	0.32	0.00	1.00
S13LOOKNWK	5283	0.12	0.33	0.00	1.00
S14LOOKNWK	3880	0.11	0.32	0.00	1.00
S15LOOKNWK	3149	0.09	0.28	0.00	1.00
R1LOOKNWKPF	826	1.87	0.52	1.00	3.00
R2LOOKNWKPF	526	1.90	0.52	1.00	3.00
R3LOOKNWKPF	476	1.86	0.64	1.00	3.00
R4LOOKNWKPF	626	1.84	0.58	1.00	3.00
R5LOOKNWKPF	445	1.78	0.59	1.00	3.00
R6LOOKNWKPF	356	1.81	0.65	1.00	3.00
R7LOOKNWKPF	747	1.80	0.59	1.00	3.00
R8LOOKNWKPF	577	1.80	0.61	1.00	3.00
R9LOOKNWKPF	524	1.89	0.60	1.00	3.00
R10LOOKNWKPF	1263	1.84	0.58	1.00	3.00
R11LOOKNWKPF	1046	1.85	0.58	1.00	3.00
R12LOOKNWKPF	797	1.84	0.57	1.00	3.00
R13LOOKNWKPF	1195	1.84	0.55	1.00	3.00
R14LOOKNWKPF	799	1.84	0.57	1.00	3.00
R15LOOKNWKPF	528	1.84	0.63	1.00	3.00
S1LOOKNWKPF	621	1.85	0.51	1.00	3.00
S2LOOKNWKPF	381	1.91	0.54	1.00	3.00
S3LOOKNWKPF	338	1.87	0.65	1.00	3.00
S4LOOKNWKPF	446	1.85	0.56	1.00	3.00
S5LOOKNWKPF	308	1.81	0.58	1.00	3.00
S6LOOKNWKPF	250	1.82	0.64	1.00	3.00
S7LOOKNWKPF	495	1.81	0.59	1.00	3.00
S8LOOKNWKPF	392	1.82	0.61	1.00	3.00
S9LOOKNWKPF	341	1.92	0.59	1.00	3.00
S10LOOKNWKPF	784	1.86	0.57	1.00	3.00
S11LOOKNWKPF	632	1.86	0.54	1.00	3.00
S12LOOKNWKPF	491	1.81	0.56	1.00	3.00
S13LOOKNWKPF	648	1.84	0.54	1.00	3.00
S14LOOKNWKPF	438	1.84	0.55	1.00	3.00
S15LOOKNWKPF	276	1.89	0.61	1.00	3.00
R1LOOKNWKSD	828	1.78	0.69	1.00	3.00
R2LOOKNWKSD	527	1.81	0.74	1.00	3.00
R3LOOKNWKSD	475	1.87	0.75	1.00	3.00
R4LOOKNWKSD	627	1.86	0.72	1.00	3.00
R5LOOKNWKSD	444	1.91	0.76	1.00	3.00
R6LOOKNWKSD	356	1.85	0.73	1.00	3.00
R7LOOKNWKSD	748	1.77	0.70	1.00	3.00
R8LOOKNWKSD	576	1.85	0.72	1.00	3.00
R9LOOKNWKSD	521	1.85	0.74	1.00	3.00
R10LOOKNWKSD	1261	1.79	0.68	1.00	3.00
R11LOOKNWKSD	1045	1.71	0.67	1.00	3.00
R12LOOKNWKSD	797	1.73	0.66	1.00	3.00
R13LOOKNWKSD	1194	1.73	0.64	1.00	3.00
R14LOOKNWKSD	797	1.75	0.67	1.00	3.00
R15LOOKNWKSD	525	1.78	0.70	1.00	3.00
S1LOOKNWKSD	623	1.78	0.69	1.00	3.00
S2LOOKNWKSD	382	1.80	0.74	1.00	3.00
S3LOOKNWKSD	337	1.85	0.76	1.00	3.00

S4LOOKNWKSD	447	1.85	0.72	1.00	3.00
S5LOOKNWKSD	307	1.87	0.76	1.00	3.00
S6LOOKNWKSD	250	1.88	0.74	1.00	3.00
S7LOOKNWKSD	496	1.77	0.71	1.00	3.00
S8LOOKNWKSD	392	1.81	0.72	1.00	3.00
S9LOOKNWKSD	339	1.81	0.72	1.00	3.00
S10LOOKNWKSD	782	1.76	0.68	1.00	3.00
S11LOOKNWKSD	632	1.67	0.66	1.00	3.00
S12LOOKNWKSD	491	1.73	0.65	1.00	3.00
S13LOOKNWKSD	646	1.70	0.62	1.00	3.00
S14LOOKNWKSD	438	1.76	0.69	1.00	3.00
S15LOOKNWKSD	274	1.77	0.68	1.00	3.00

### Categorical Variable Codes

Value-----	R1LOOKNWK	R2LOOKNWK	R3LOOKNWK	R4LOOKNWK	R5LOOKNWK
.d:DK	1	1	7		
.f:works too few hrs/yr			104		
.h:nursing home ivw				3	4
.m:Missing	11	13	53	89	63
.p:proxy ivw		335	304	445	407
.q:not asked this wave		8222			
.r:Refuse	29	14	7	10	11
.s:self-employed		1374	275	166	158
.w:not working	4262	4359	11118	12943	12338
0.no	7521	4795	5647	7101	6149
1.yes	828	529	476	627	448

Value-----	R6LOOKNWK	R7LOOKNWK	R8LOOKNWK	R9LOOKNWK	R10LOOKNWK
.d:DK	2	1	31	11	14
.h:nursing home ivw	23	3	1		1
.m:Missing	9	48	41	52	256
.p:proxy ivw	379	398	230	176	203
.r:Refuse	9	13	4	6	22
.s:self-employed	163	212	144	131	155
.w:not working	12082	12265	11814	11321	12969
0.no	5141	6441	5627	4995	7147
1.yes	357	748	577	525	1267

Value-----	R11LOOKNWK	R12LOOKNWK	R13LOOKNWK	R14LOOKNWK	R15LOOKNWK
.d:DK	8	11	37	17	23
.h:nursing home ivw		2	5	1	1
.m:Missing	129	91	139	120	147
.p:proxy ivw	162	151	149	105	97
.r:Refuse	11	11	17	5	12
.s:self-employed	152	117	151	117	75
.w:not working	12545	11822	12032	10347	10029
0.no	6500	5745	7185	5634	4810
1.yes	1047	797	1197	800	529

Value-----	S1LOOKNWK	S2LOOKNWK	S3LOOKNWK	S4LOOKNWK	S5LOOKNWK
.d:DK	1	1	3		
.f:works too few hrs/yr			69		
.m:Missing	3	1	20	48	32
.p:proxy ivw		321	293	429	393
.q:not asked this wave		4350			
.r:Refuse	19	11	2	2	4
.s:self-employed		1158	224	159	153
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:not working	3295	3234	6725	7731	7341
0.no	5959	3628	4242	5162	4497
1.yes	623	384	338	447	310

Value-----	S6LOOKNWK	S7LOOKNWK	S8LOOKNWK	S9LOOKNWK	S10LOOKNWK
.d:DK	1		21	7	8
.h:nursing home ivw	21	1	1		
.m:Missing	2	27	26	28	158
.p:proxy ivw	353	385	221	168	192
.r:Refuse	5	5	3	6	10
.s:self-employed	160	199	132	113	134
.u:not coupled	6313	6781	6424	6212	7804

.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7284
0.no	3719	4655	4078	3587	4936
1.yes	251	496	392	341	786

Value-----	S11LOOKNWK	S12LOOKNWK	S13LOOKNWK	S14LOOKNWK	S15LOOKNWK
.d:DK	4	7	22	8	11
.h:nursing home ivw		1			
.m:Missing	69	43	60	58	38
.p:proxy ivw	156	146	146	102	91
.r:Refuse	4	8	8	1	3
.s:self-employed	123	94	107	85	58
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6967	6329	6152	5224	5116
0.no	4520	3893	4635	3441	2873
1.yes	633	491	648	439	276

Value-----	R1LOOKNWKPF	R2LOOKNWKPF	R3LOOKNWKPF	R4LOOKNWKPF	R5LOOKNWKPF
.d:DK	1	1	7	1	2
.f:works less than 520 hrs/			104		
.h:nursing home ivw				3	4
.l:not looking for new job	7521	4795	5647	7101	6149
.m:Missing	11	13	53	89	63
.p:proxy ivw		335	304	445	407
.q:not asked this wave		8222			
.r:Refuse	31	17	7	10	11
.s:self-employed		1374	275	166	159
.w:not working	4262	4359	11118	12943	12338
1.part-time	172	99	135	164	135
2.full-time	589	378	271	397	271
3.either kind	65	49	70	65	39

Value-----	R6LOOKNWKPF	R7LOOKNWKPF	R8LOOKNWKPF	R9LOOKNWKPF	R10LOOKNWKPF
.d:DK	2	1	31	12	16
.h:nursing home ivw	23	3	1		1
.l:not looking for new job	5141	6441	5627	4995	7147
.m:Missing	9	48	41	52	256
.p:proxy ivw	379	398	230	176	203
.r:Refuse	9	13	4	6	23
.s:self-employed	164	213	144	131	156
.w:not working	12082	12265	11814	11321	12969
1.part-time	113	222	176	125	322
2.full-time	196	456	342	330	815
3.either kind	47	69	59	69	126

Value-----	R11LOOKNWKPF	R12LOOKNWKPF	R13LOOKNWKPF	R14LOOKNWKPF	R15LOOKNWKPF
.d:DK	9	11	38	17	23
.h:nursing home ivw		2	5	1	1
.l:not looking for new job	6500	5745	7185	5634	4810
.m:Missing	129	91	139	120	147
.p:proxy ivw	162	151	149	105	97
.r:Refuse	11	11	17	5	13
.s:self-employed	152	117	152	118	75
.w:not working	12545	11822	12032	10347	10029
1.part-time	262	207	292	205	154
2.full-time	677	514	803	516	304
3.either kind	107	76	100	78	70

Value-----	S1LOOKNWKPF	S2LOOKNWKPF	S3LOOKNWKPF	S4LOOKNWKPF	S5LOOKNWKPF
.d:DK	1	1	3	1	1
.f:works less than 520 hrs/			69		
.l:not looking for new job	5959	3628	4242	5162	4497
.m:Missing	3	1	20	48	32
.p:proxy ivw		321	293	429	393
.q:not asked this wave		4350			
.r:Refuse	21	14	2	2	4
.s:self-employed		1158	224	159	154
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:not working	3295	3234	6725	7731	7341
1.part-time	132	74	96	110	87
2.full-time	448	268	189	294	193
3.either kind	41	39	53	42	28

Value-----	S6LOOKNWKPF	S7LOOKNWKPF	S8LOOKNWKPF	S9LOOKNWKPF	S10LOOKNWKPF
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.d:DK	1		21	7	8
.h:nursing home ivw	21	1	1		
.l:not looking for new job	3719	4655	4078	3587	4936
.m:Missing	2	27	26	28	158
.p:proxy ivw	353	385	221	168	192
.r:Refuse	5	5	3	6	11
.s:self-employed	161	200	132	113	135
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7284
1.part-time	77	144	114	74	189
2.full-time	141	303	235	219	513
3.either kind	32	48	43	48	82

Value-----	S11LOOKNWKPF	S12LOOKNWKPF	S13LOOKNWKPF	S14LOOKNWKPF	S15LOOKNWKPF
.d:DK	5	7	22	8	11
.h:nursing home ivw		1			
.l:not looking for new job	4520	3893	4635	3441	2873
.m:Missing	69	43	60	58	38
.p:proxy ivw	156	146	146	102	91
.r:Refuse	4	8	8	1	3
.s:self-employed	123	94	107	86	58
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6967	6329	6152	5224	5116
1.part-time	143	131	153	107	67
2.full-time	434	320	444	295	172
3.either kind	55	40	51	36	37

Value-----	R1LOOKNWKSD	R2LOOKNWKSD	R3LOOKNWKSD	R4LOOKNWKSD	R5LOOKNWKSD
.d:DK	1	1	8		2
.f:works less than 520 hrs/			104		
.h:nursing home ivw				3	4
.l:not looking for new job	7521	4795	5647	7101	6149
.m:Missing	11	13	53	89	63
.p:proxy ivw		335	304	445	407
.q:not asked this wave		8222			
.r:Refuse	29	16	7	10	11
.s:self-employed		1374	275	166	160
.w:not working	4262	4359	11118	12943	12338
1.same	310	202	169	210	149
2.different	392	222	201	292	187
3.either or both	126	103	105	125	108

Value-----	R6LOOKNWKSD	R7LOOKNWKSD	R8LOOKNWKSD	R9LOOKNWKSD	R10LOOKNWKSD
.d:DK	3	1	32	15	18
.h:nursing home ivw	23	3	1		1
.l:not looking for new job	5141	6441	5627	4995	7147
.m:Missing	9	48	41	52	256
.p:proxy ivw	379	398	230	176	203
.r:Refuse	9	13	4	6	23
.s:self-employed	163	212	144	131	156
.w:not working	12082	12265	11814	11321	12969
1.same	124	291	201	187	453
2.different	161	338	262	227	622
3.either or both	71	119	113	107	186

Value-----	R11LOOKNWKSD	R12LOOKNWKSD	R13LOOKNWKSD	R14LOOKNWKSD	R15LOOKNWKSD
.d:DK	10	11	40	18	26
.h:nursing home ivw		2	5	1	1
.l:not looking for new job	6500	5745	7185	5634	4810
.m:Missing	129	91	139	120	147
.p:proxy ivw	162	151	149	105	97
.r:Refuse	11	11	17	5	13
.s:self-employed	152	117	151	119	75
.w:not working	12545	11822	12032	10347	10029
1.same	429	306	450	305	200
2.different	485	397	621	387	243
3.either or both	131	94	123	105	82

Value-----	S1LOOKNWKSD	S2LOOKNWKSD	S3LOOKNWKSD	S4LOOKNWKSD	S5LOOKNWKSD
.d:DK	1	1	4		2
.f:works less than 520 hrs/			69		
.l:not looking for new job	5959	3628	4242	5162	4497
.m:Missing	3	1	20	48	32
.p:proxy ivw		321	293	429	393

.q:not asked this wave		4350			
.r:Refuse	19	13	2	2	4
.s:self-employed		1158	224	159	154
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:not working	3295	3234	6725	7731	7341
1.same	231	150	125	154	112
2.different	297	159	137	207	123
3.either or both	95	73	75	86	72
Value-----	S6LOOKNWKSD	S7LOOKNWKSD	S8LOOKNWKSD	S9LOOKNWKSD	S10LOOKNWKSD
.d:DK	2		21	9	10
.h:nursing home ivw	21	1	1		
.l:not looking for new job	3719	4655	4078	3587	4936
.m:Missing	2	27	26	28	158
.p:proxy ivw	353	385	221	168	192
.r:Refuse	5	5	3	6	11
.s:self-employed	160	199	132	113	135
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7284
1.same	85	197	146	127	299
2.different	111	217	173	150	371
3.either or both	54	82	73	62	112
Value-----	S11LOOKNWKSD	S12LOOKNWKSD	S13LOOKNWKSD	S14LOOKNWKSD	S15LOOKNWKSD
.d:DK	5	7	24	8	13
.h:nursing home ivw		1			
.l:not looking for new job	4520	3893	4635	3441	2873
.m:Missing	69	43	60	58	38
.p:proxy ivw	156	146	146	102	91
.r:Refuse	4	8	8	1	3
.s:self-employed	123	94	107	86	58
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:not working	6967	6329	6152	5224	5116
1.same	276	189	251	172	102
2.different	287	248	337	201	133
3.either or both	69	54	58	65	39

### How Constructed:

RwLOOKNWK indicates whether the respondent is looking for a different job, and is asked to respondents who are currently working. RwLOOKNWK is assigned a value of 0 if the respondent is not looking for a different job, and is assigned a value of 1 if the respondent is looking for a different job. This question is not asked if the respondent is not currently working, and so RwLOOKNWK is assigned special missing .w. Starting in the HRS cohort in Wave 2, this question is not asked if the respondent is self-employed or if the interview is conducted by proxy, in which case RwLOOKNWK is assigned special missing .s and .p, respectively. In the AHEAD cohort in Wave 3, this question is not asked if the respondent worked less than 520 hours per year, and so RwLOOKNWK is assigned special missing .f in this wave. Starting in Wave 4, this question is not asked if the respondent resides in a nursing home, and so RwLOOKNWK is assigned special missing .h. This question is not asked at all in the AHEAD cohort in Wave 2, so RwLOOKNWK is assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwLOOKNWK is set to plain missing (.) for respondents who did not respond to the current wave.

SwLOOKNWK indicates whether the current wave's spouse is looking for a different job, and is taken from the spouse's values to RwLOOKNWK. In addition to the special missing codes used in RwLOOKNWK, SwLOOKNWK employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLOOKNWKPF indicates whether the respondent is looking for part-time or full-time work in a different job if they are currently working. RwLOOKNWKPF is coded as follows: 1.part-time, 2.full-time, 3.either kind. RwLOOKNWKSD indicates whether the respondent is looking for the same kind of work they are doing now or something different in a different job if they are currently working. RwLOOKNWKSD is coded as follows: 1.same, 2.different, 3.either or both. These questions are not asked if the respondent is not looking for a different job, and so RwLOOKNWKPF and RwLOOKNWKSD are assigned special missing .l. These questions are not asked if the respondent is not currently working, and so RwLOOKNWKPF and RwLOOKNWKSD

are assigned special missing .w. Starting in the HRS cohort in Wave 2, these questions are not asked if the respondent is self-employed or if the interview is conducted by proxy, in which case RwLOOKNWKPF and RwLOOKNWKSD are assigned special missing .s and .p, respectively. In the AHEAD cohort in Wave 3, these questions are not asked if the respondent worked less than 520 hours per year, and so RwLOOKNWKPF and RwLOOKNWKSD are assigned special missing .f in this wave. Starting in Wave 4, these questions are not asked if the respondent resides in a nursing home, and so RwLOOKNWKPF and RwLOOKNWKSD are assigned special missing .h. These questions are not asked at all in the AHEAD cohort in Wave 2, so RwLOOKNWKPF and RwLOOKNWKSD are assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwLOOKNWKPF and RwLOOKNWKSD are set to plain missing (.) for respondents who did not respond to the current wave.

SwLOOKNWKPF and SwLOOKNWKSD indicate whether the current wave's spouse is looking for part-time or full-time employment and for the same or different work in a different job, and are taken from the spouse's values to RwLOOKNWKPF and RwLOOKNWKSD. In addition to the special missing codes used in RwLOOKNWKPF and RwLOOKNWKSD, SwLOOKNWKPF and SwLOOKNWKSD employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

These questions are not asked if the respondent is self-employed or if the interview is by proxy starting in the HRS cohort in Wave 2.

These questions are not asked at all for the AHEAD cohort in Wave 2.

Only in the AHEAD cohort in Wave 3, these questions are not asked if the respondent worked less than 520 hours per year.

Starting in Wave 4, these questions are not asked if the respondent resides in a nursing home.

### HRS Variables Used:

Wave 1:

V2717	f2:any wrk for pay :imp
V3214	f76:crntly lking anr job
V3216	f78:lking pt/ft work
V3217	f79:lkng sm typ wrk/diff

Wave 2 AHEAD:

BN_INHH	ahd w1: # r's responding in hhold
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Wave 2 HRS:

W116	ics5. self/proxy interview
W3316	fa2.working for pay
W3317	fa3.work for someone els
W3919	fa109.looking for anothe
W3921	fa111.looking for full/p
W3922	fa112.looking same/diffe

Wave 3 AHEAD:

D2651	ga2.working any current
D2652	ga2a.retired work any since w1
D2653	ga3. self/other employed
D3068	ga109. looking another job
D3070	ga111. looking full/part time
D3077	ga112. looking same/different
D99	w1 iw self/proxy

Wave 3 HRS:

E218	cs1a.proxy/self interview
E2627	g2.working for pay
E2628	g3.work for someone else/self-employed
E2971	g109.looking for another job currently
E2973	g111.looking full/part-time work
E2975	g112.looking same/different kind of work

E3016 g127f.move to less demanding job

Wave 4:

F3131 g2.working for pay  
F3132 g3.work for someone else/self-employed  
F3500 g109.looking for another job currently  
F3502 g111.looking full/part-time work  
F3504 g112.looking same/different kind of work  
F3545 g127f.move to less demanding job  
F47\_1 hh1 r in nursing home - updated  
F483 cs1a.proxy/self interview

Wave 5:

G3381 g2.working for pay  
G3382 g3.work for someone else/self-employed  
G3787 g109.looking for another job currently  
G3789 g111.looking full/part-time work  
G3791 g112.looking same/different kind of work  
G47\_1 pr47.hh1 r in nursing home - updated  
G514 cs1a.proxy/self interview

Wave 6:

HA009 proxy/self interview  
HA028 r in nursing home  
HJ020 working for pay  
HJ021 work for someone else/slf-employed  
HJ505 looking for another job currently  
HJ507 looking full/part-time work  
HJ508 looking same/different kind of work

Wave 7:

JA009 proxy/self interview  
JA028 r in nursing home  
JJ020 working for pay  
JJ021 work for someone else/slf-employed  
JJ505 looking for another job currently  
JJ507 looking full/part-time work  
JJ508 looking same/different kind of work

Wave 8:

KA009 proxy/self interview  
KA028 r in nursing home  
KJ020 working for pay  
KJ021 work for someone else/slf-employed  
KJ505 looking for another job currently  
KJ507 looking full/part-time work  
KJ508 looking same/different kind of work

Wave 9:

LA009 proxy/self interview  
LA028 r in nursing home  
LJ020 working for pay  
LJ021 work for someone else/slf-employed  
LJ505 looking for another job currently  
LJ507 looking full/part-time work  
LJ508 looking same/different kind of work

Wave 10:

MA009 proxy/self interview  
MA028 r in nursing home  
MJ020 working for pay  
MJ021 work for someone else/slf-employed  
MJ505 looking for another job currently  
MJ507 looking full/part-time work  
MJ508 looking same/different kind of work

Wave 11:

NA009 proxy/self interview  
NA028 r in nursing home  
NJ020 working for pay  
NJ021 work for someone else/slf-employed

NJ505 looking for another job currently  
NJ507 looking full/part-time work  
NJ508 looking same/different kind of work

Wave 12:

OA009 proxy/self interview  
OA028 r in nursing home  
OJ020 working for pay  
OJ021 work for someone else/slf-employed  
OJ505 looking for another job currently  
OJ507 looking full/part-time work  
OJ508 looking same/different kind of work

Wave 13:

PA009 proxy/self interview  
PA028 r in nursing home  
PJ020 working for pay  
PJ021 work for someone else/slf-employed  
PJ505 looking for another job currently  
PJ507 looking full/part-time work  
PJ508 looking same/different kind of work

Wave 14:

QA009 proxy/self interview  
QA028 r in nursing home  
QJ020 working for pay  
QJ021 work for someone else/slf-employed  
QJ505 looking for another job currently  
QJ507 looking full/part-time work  
QJ508 looking same/different kind of work

Wave 15:

RA009 proxy/self interview  
RA028 r in nursing home  
RJ020 working for pay  
RJ021 work for someone else/slf-employed  
RJ505 looking for another job currently  
RJ507 looking full/part-time work  
RJ508 looking same/different kind of work



<b>Job Search: If Not Working</b>
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Wave	Variable	Label	Type
01	R1LOOKWRKPF	r1lookwrkpf:w1 r look part or full-time job (if not working)	Categ
02	R2LOOKWRKPF	r2lookwrkpf:w2 r look part or full-time job (if not working)	Categ
03	R3LOOKWRKPF	r3lookwrkpf:w3 r look part or full-time job (if not working)	Categ
04	R4LOOKWRKPF	r4lookwrkpf:w4 r look part or full-time job (if not working)	Categ
05	R5LOOKWRKPF	r5lookwrkpf:w5 r look part or full-time job (if not working)	Categ
06	R6LOOKWRKPF	r6lookwrkpf:w6 r look part or full-time job (if not working)	Categ
07	R7LOOKWRKPF	r7lookwrkpf:w7 r look part or full-time job (if not working)	Categ
08	R8LOOKWRKPF	r8lookwrkpf:w8 r look part or full-time job (if not working)	Categ
09	R9LOOKWRKPF	r9lookwrkpf:w9 r look part or full-time job (if not working)	Categ
10	R10LOOKWRKPF	r10lookwrkpf:w10 r look part or full-time job (if not working)	Categ
11	R11LOOKWRKPF	r11lookwrkpf:w11 r look part or full-time job (if not working)	Categ
12	R12LOOKWRKPF	r12lookwrkpf:w12 r look part or full-time job (if not working)	Categ
13	R13LOOKWRKPF	r13lookwrkpf:w13 r look part or full-time job (if not working)	Categ
14	R14LOOKWRKPF	r14lookwrkpf:w14 r look part or full-time job (if not working)	Categ
15	R15LOOKWRKPF	r15lookwrkpf:w15 r look part or full-time job (if not working)	Categ
01	S1LOOKWRKPF	s1lookwrkpf:w1 s look part or full-time job (if not working)	Categ
02	S2LOOKWRKPF	s2lookwrkpf:w2 s look part or full-time job (if not working)	Categ
03	S3LOOKWRKPF	s3lookwrkpf:w3 s look part or full-time job (if not working)	Categ
04	S4LOOKWRKPF	s4lookwrkpf:w4 s look part or full-time job (if not working)	Categ
05	S5LOOKWRKPF	s5lookwrkpf:w5 s look part or full-time job (if not working)	Categ
06	S6LOOKWRKPF	s6lookwrkpf:w6 s look part or full-time job (if not working)	Categ
07	S7LOOKWRKPF	s7lookwrkpf:w7 s look part or full-time job (if not working)	Categ
08	S8LOOKWRKPF	s8lookwrkpf:w8 s look part or full-time job (if not working)	Categ
09	S9LOOKWRKPF	s9lookwrkpf:w9 s look part or full-time job (if not working)	Categ
10	S10LOOKWRKPF	s10lookwrkpf:w10 s look part or full-time job (if not working)	Categ
11	S11LOOKWRKPF	s11lookwrkpf:w11 s look part or full-time job (if not working)	Categ
12	S12LOOKWRKPF	s12lookwrkpf:w12 s look part or full-time job (if not working)	Categ
13	S13LOOKWRKPF	s13lookwrkpf:w13 s look part or full-time job (if not working)	Categ
14	S14LOOKWRKPF	s14lookwrkpf:w14 s look part or full-time job (if not working)	Categ
15	S15LOOKWRKPF	s15lookwrkpf:w15 s look part or full-time job (if not working)	Categ
01	R1LOOKWRKSD	r1lookwrksd:w1 r look same or diff work (if not working)	Categ
02	R2LOOKWRKSD	r2lookwrksd:w2 r look same or diff work (if not working)	Categ
03	R3LOOKWRKSD	r3lookwrksd:w3 r look same or diff work (if not working)	Categ
04	R4LOOKWRKSD	r4lookwrksd:w4 r look same or diff work (if not working)	Categ
05	R5LOOKWRKSD	r5lookwrksd:w5 r look same or diff work (if not working)	Categ
06	R6LOOKWRKSD	r6lookwrksd:w6 r look same or diff work (if not working)	Categ
07	R7LOOKWRKSD	r7lookwrksd:w7 r look same or diff work (if not working)	Categ
08	R8LOOKWRKSD	r8lookwrksd:w8 r look same or diff work (if not working)	Categ
09	R9LOOKWRKSD	r9lookwrksd:w9 r look same or diff work (if not working)	Categ
10	R10LOOKWRKSD	r10lookwrksd:w10 r look same or diff work (if not working)	Categ
11	R11LOOKWRKSD	r11lookwrksd:w11 r look same or diff work (if not working)	Categ
12	R12LOOKWRKSD	r12lookwrksd:w12 r look same or diff work (if not working)	Categ
13	R13LOOKWRKSD	r13lookwrksd:w13 r look same or diff work (if not working)	Categ
14	R14LOOKWRKSD	r14lookwrksd:w14 r look same or diff work (if not working)	Categ
15	R15LOOKWRKSD	r15lookwrksd:w15 r look same or diff work (if not working)	Categ
01	S1LOOKWRKSD	s1lookwrksd:w1 s look same or diff work (if not working)	Categ
02	S2LOOKWRKSD	s2lookwrksd:w2 s look same or diff work (if not working)	Categ
03	S3LOOKWRKSD	s3lookwrksd:w3 s look same or diff work (if not working)	Categ
04	S4LOOKWRKSD	s4lookwrksd:w4 s look same or diff work (if not working)	Categ
05	S5LOOKWRKSD	s5lookwrksd:w5 s look same or diff work (if not working)	Categ
06	S6LOOKWRKSD	s6lookwrksd:w6 s look same or diff work (if not working)	Categ
07	S7LOOKWRKSD	s7lookwrksd:w7 s look same or diff work (if not working)	Categ
08	S8LOOKWRKSD	s8lookwrksd:w8 s look same or diff work (if not working)	Categ
09	S9LOOKWRKSD	s9lookwrksd:w9 s look same or diff work (if not working)	Categ

10	S10LOOKWRKSD	s10lookwrksd:w10 s	look same or diff work (if not working)	Categ
11	S11LOOKWRKSD	s11lookwrksd:w11 s	look same or diff work (if not working)	Categ
12	S12LOOKWRKSD	s12lookwrksd:w12 s	look same or diff work (if not working)	Categ
13	S13LOOKWRKSD	s13lookwrksd:w13 s	look same or diff work (if not working)	Categ
14	S14LOOKWRKSD	s14lookwrksd:w14 s	look same or diff work (if not working)	Categ
15	S15LOOKWRKSD	s15lookwrksd:w15 s	look same or diff work (if not working)	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LOOKWRKPF	382	2.06	0.66	1.00	3.00
R2LOOKWRKPF	314	1.96	0.72	1.00	3.00
R3LOOKWRKPF	232	1.84	0.73	1.00	3.00
R4LOOKWRKPF	241	1.77	0.74	1.00	3.00
R5LOOKWRKPF	206	1.70	0.75	1.00	3.00
R6LOOKWRKPF	233	1.78	0.74	1.00	3.00
R7LOOKWRKPF	303	1.80	0.69	1.00	3.00
R8LOOKWRKPF	216	1.85	0.77	1.00	3.00
R9LOOKWRKPF	235	1.95	0.74	1.00	3.00
R10LOOKWRKPF	885	1.97	0.67	1.00	3.00
R11LOOKWRKPF	655	1.93	0.71	1.00	3.00
R12LOOKWRKPF	402	1.94	0.74	1.00	3.00
R13LOOKWRKPF	532	1.84	0.67	1.00	3.00
R14LOOKWRKPF	341	1.74	0.69	1.00	3.00
R15LOOKWRKPF	336	1.84	0.67	1.00	3.00
S1LOOKWRKPF	283	2.02	0.65	1.00	3.00
S2LOOKWRKPF	200	1.91	0.70	1.00	3.00
S3LOOKWRKPF	157	1.76	0.73	1.00	3.00
S4LOOKWRKPF	165	1.85	0.77	1.00	3.00
S5LOOKWRKPF	141	1.74	0.76	1.00	3.00
S6LOOKWRKPF	151	1.78	0.72	1.00	3.00
S7LOOKWRKPF	201	1.78	0.70	1.00	3.00
S8LOOKWRKPF	135	1.83	0.78	1.00	3.00
S9LOOKWRKPF	151	1.96	0.72	1.00	3.00
S10LOOKWRKPF	556	2.01	0.68	1.00	3.00
S11LOOKWRKPF	404	1.94	0.71	1.00	3.00
S12LOOKWRKPF	242	1.93	0.71	1.00	3.00
S13LOOKWRKPF	270	1.84	0.63	1.00	3.00
S14LOOKWRKPF	166	1.85	0.70	1.00	3.00
S15LOOKWRKPF	176	1.78	0.67	1.00	3.00
R1LOOKWRKSD	379	1.94	0.82	1.00	3.00
R2LOOKWRKSD	314	1.91	0.79	1.00	3.00
R3LOOKWRKSD	232	1.85	0.81	1.00	3.00
R4LOOKWRKSD	243	1.86	0.80	1.00	3.00
R5LOOKWRKSD	206	1.99	0.88	1.00	3.00
R6LOOKWRKSD	235	1.84	0.85	1.00	3.00
R7LOOKWRKSD	302	1.89	0.87	1.00	3.00
R8LOOKWRKSD	217	1.93	0.89	1.00	3.00
R9LOOKWRKSD	235	1.97	0.87	1.00	3.00
R10LOOKWRKSD	884	1.95	0.85	1.00	3.00
R11LOOKWRKSD	653	1.95	0.87	1.00	3.00
R12LOOKWRKSD	400	1.97	0.85	1.00	3.00
R13LOOKWRKSD	531	1.95	0.89	1.00	3.00
R14LOOKWRKSD	339	1.93	0.88	1.00	3.00
R15LOOKWRKSD	335	1.88	0.89	1.00	3.00
S1LOOKWRKSD	280	1.93	0.82	1.00	3.00
S2LOOKWRKSD	200	1.92	0.79	1.00	3.00
S3LOOKWRKSD	156	1.85	0.80	1.00	3.00
S4LOOKWRKSD	166	1.88	0.80	1.00	3.00

S5LOOKWRKSD	141	1.92	0.90	1.00	3.00
S6LOOKWRKSD	152	1.84	0.87	1.00	3.00
S7LOOKWRKSD	200	1.85	0.85	1.00	3.00
S8LOOKWRKSD	136	1.90	0.87	1.00	3.00
S9LOOKWRKSD	151	1.99	0.87	1.00	3.00
S10LOOKWRKSD	555	1.94	0.86	1.00	3.00
S11LOOKWRKSD	403	1.92	0.87	1.00	3.00
S12LOOKWRKSD	242	1.95	0.86	1.00	3.00
S13LOOKWRKSD	271	1.88	0.89	1.00	3.00
S14LOOKWRKSD	166	1.92	0.88	1.00	3.00
S15LOOKWRKSD	177	1.85	0.86	1.00	3.00

### Categorical Variable Codes

Value-----	R1LOOKWRKPF	R2LOOKWRKPF	R3LOOKWRKPF	R4LOOKWRKPF	R5LOOKWRKPF
.d:DK	1		3	2	1
.h:nursing home ivw					349
.l:not looking for work	2890	3795	6797	12764	11768
.m:Missing	14	12	167	34	84
.n:never worked	496		58		
.p:proxy ivw		262	219		
.q:not asked this wave		8222			
.r:Refuse	10	2	3	8	5
.t:last worked 20+ years ag	478				
.w:working	8381	7035	10512	8335	7165
1.part-time	72	88	83	100	98
2.full-time	216	150	103	96	72
3.either kind	94	76	46	45	36

Value-----	R6LOOKWRKPF	R7LOOKWRKPF	R8LOOKWRKPF	R9LOOKWRKPF	R10LOOKWRKPF
.d:DK	4		1	1	3
.h:nursing home ivw	512	52	35	45	51
.l:not looking for work	10161	11638	11434	10894	11847
.m:Missing	9	10	8	11	183
.p:proxy ivw	1174	279	170	174	220
.r:Refuse	10	6		3	14
.w:working	6062	7841	6605	5854	8831
1.part-time	94	109	83	70	212
2.full-time	96	146	83	106	486
3.either kind	43	48	50	59	187

Value-----	R11LOOKWRKPF	R12LOOKWRKPF	R13LOOKWRKPF	R14LOOKWRKPF	R15LOOKWRKPF
.d:DK	3	1	8	7	9
.h:nursing home ivw	39	34	26	16	13
.l:not looking for work	11743	11266	11449	9944	9592
.m:Missing	34	30	88	56	86
.p:proxy ivw	153	139	82	66	90
.r:Refuse	10	7	11	6	9
.w:working	7917	6868	8716	6710	5588
1.part-time	187	124	169	136	108
2.full-time	325	180	279	156	175
3.either kind	143	98	84	49	53

Value-----	S1LOOKWRKPF	S2LOOKWRKPF	S3LOOKWRKPF	S4LOOKWRKPF	S5LOOKWRKPF
.d:DK	1			1	
.h:nursing home ivw					25
.l:not looking for work	2277	2827	4859	7613	7186
.m:Missing	11		87	8	23
.n:never worked	353		50		
.p:proxy ivw		218	148		
.q:not asked this wave		4350			
.r:Refuse	8	1		2	2
.t:last worked 20+ years ag	369				
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
.w:working	6598	5492	6615	6189	5353
1.part-time	56	59	64	62	63
2.full-time	164	100	66	65	51
3.either kind	63	41	27	38	27

Value-----	S6LOOKWRKPF	S7LOOKWRKPF	S8LOOKWRKPF	S9LOOKWRKPF	S10LOOKWRKPF
.d:DK	3		1	1	

.h:nursing home ivw	112	10	8	10	10
.l:not looking for work	6067	6785	6596	6117	6577
.m:Missing	2	1	1	3	111
.p:proxy ivw	788	207	142	129	162
.r:Refuse	5	3		3	6
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:working	4504	5761	4845	4226	6086
1.part-time	59	76	54	42	125
2.full-time	66	93	50	73	300
3.either kind	26	32	31	36	131

Value-----	S11LOOKWRKPF	S12LOOKWRKPF	S13LOOKWRKPF	S14LOOKWRKPF	S15LOOKWRKPF
.d:DK	3	1	5	4	4
.h:nursing home ivw	12	8	7	6	3
.l:not looking for work	6459	5983	5841	5008	4856
.m:Missing	6	10	26	11	11
.p:proxy ivw	120	105	63	58	78
.r:Refuse	4	3	6	2	2
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:working	5468	4660	5560	4103	3336
1.part-time	114	69	79	55	62
2.full-time	201	120	155	81	90
3.either kind	89	53	36	30	24

Value-----	R1LOOKWRKSD	R2LOOKWRKSD	R3LOOKWRKSD	R4LOOKWRKSD	R5LOOKWRKSD
.d:DK	1		3		1
.h:nursing home ivw					349
.l:not looking for work	2890	3795	6797	12764	11768
.m:Missing	14	13	167	34	84
.n:never worked	496		58		
.p:proxy ivw		262	219		
.q:not asked this wave		8222			
.r:Refuse	13	1	3	8	5
.t:last worked 20+ years ag	478				
.w:working	8381	7035	10512	8335	7165
1.same	141	114	95	97	81
2.different	121	115	77	84	47
3.either or both	117	85	60	62	78

Value-----	R6LOOKWRKSD	R7LOOKWRKSD	R8LOOKWRKSD	R9LOOKWRKSD	R10LOOKWRKSD
.d:DK	2	1	1	1	4
.h:nursing home ivw	512	52	35	45	51
.l:not looking for work	10161	11638	11434	10894	11847
.m:Missing	9	10	8	11	183
.p:proxy ivw	1174	279	170	174	220
.r:Refuse	10	6		3	14
.w:working	6062	7841	6604	5854	8831
1.same	106	131	94	92	344
2.different	60	73	44	58	244
3.either or both	69	98	79	85	296

Value-----	R11LOOKWRKSD	R12LOOKWRKSD	R13LOOKWRKSD	R14LOOKWRKSD	R15LOOKWRKSD
.d:DK	5	3	8	10	10
.h:nursing home ivw	39	34	26	16	13
.l:not looking for work	11743	11266	11449	9944	9592
.m:Missing	34	30	88	56	86
.p:proxy ivw	153	139	82	66	90
.r:Refuse	10	7	12	5	9
.w:working	7917	6868	8716	6710	5588
1.same	262	151	224	144	154
2.different	162	109	109	75	67
3.either or both	229	140	198	120	114

Value-----	S1LOOKWRKSD	S2LOOKWRKSD	S3LOOKWRKSD	S4LOOKWRKSD	S5LOOKWRKSD
.d:DK	1		1		
.h:nursing home ivw					25
.l:not looking for work	2277	2827	4859	7613	7186
.m:Missing	11		87	8	23
.n:never worked	353		50		
.p:proxy ivw		218	148		
.q:not asked this wave		4350			
.r:Refuse		1		2	2
.t:last worked 20+ years ag	369				
.u:not coupled	2373	5976	5659	6870	6537

.v:SP NR		379	578	416	536	311
.w:working		6598	5492	6615	6189	5353
1.same		106	72	63	64	63
2.different		89	73	53	58	26
3.either or both		85	55	40	44	52

Value-----		S6LOOKWRKSD	S7LOOKWRKSD	S8LOOKWRKSD	S9LOOKWRKSD	S10LOOKWRKSD
.d:DK		2	1	1	1	1
.h:nursing home ivw		112	10	8	10	10
.l:not looking for work		6067	6785	6596	6117	6577
.m:Missing		2	1	1	3	111
.p:proxy ivw		788	207	142	129	162
.r:Refuse		5	3		3	6
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.w:working		4504	5761	4844	4226	6086
1.same		72	90	59	57	224
2.different		33	51	32	38	141
3.either or both		47	59	45	56	190

Value-----		S11LOOKWRKSD	S12LOOKWRKSD	S13LOOKWRKSD	S14LOOKWRKSD	S15LOOKWRKSD
.d:DK		4	1	3	5	3
.h:nursing home ivw		12	8	7	6	3
.l:not looking for work		6459	5983	5841	5008	4856
.m:Missing		6	10	26	11	11
.p:proxy ivw		120	105	63	58	78
.r:Refuse		4	3	7	1	2
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.w:working		5468	4660	5560	4103	3336
1.same		169	95	125	71	80
2.different		99	64	54	37	43
3.either or both		135	83	92	58	54

## How Constructed:

Respondents who are not currently working are asked whether they have been doing anything to find work during the last four weeks. Please see RwUNEMP in the RAND HRS Longitudinal File to determine whether the respondent is currently unemployed and looking for work.

RwLOOKWRKPF indicates whether the respondent is looking for part-time or full-time work if they are not currently working. RwLOOKWRKPF is coded as follows: 1.part-time, 2.full-time, 3.either kind. RwLOOKWRKSD indicates whether the respondent is looking for the same kind of work they did before or something different. RwLOOKWRKSD is coded as follows: 1.same, 2.different, 3.either or both. These questions are not asked if the respondent is currently working, and so RwLOOKWRKPF and RwLOOKWRKSD are assigned special missing .w. These questions are not asked if the respondent did not do anything to find working during the last four weeks, and so RwLOOKWRKPF and RwLOOKWRKSD are assigned special missing .l. In Wave 1, these questions are not asked if the respondent last worked 20 or more years ago, and so these variables are assigned special missing .t. In Wave 1 and the AHEAD cohort in Wave 3, if the respondent never worked they are not asked whether they were looking for work, and so these variables are assigned special missing .n in Waves 1 and 3. Starting in Wave 5, these questions are not asked if the respondent is residing in a nursing home, and RwLOOKWRKPF and RwLOOKWRKSD are assigned special missing .h. In the HRS cohort in Wave 2, the AHEAD cohort in Wave 3, and starting again in Wave 6, proxy respondents are not asked these questions, and RwLOOKWRKPF and RwLOOKWRKSD are assigned special missing .p. These questions are not asked at all in the AHEAD cohort in Wave 2, so RwLOOKWRKPF and RwLOOKWRKSD are assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. RwLOOKWRKPF and RwLOOKWRKSD are set to plain missing (.) for respondents who did not respond to the current wave.

SwLOOKWRKPF and SwLOOKWRKSD indicate whether the current wave's spouse is looking for part-time or full-time employment and for the same or different work if they are not currently working, and are taken from the spouse's values to RwLOOKWRKPF and RwLOOKWRKSD. In addition to the special missing codes used in RwLOOKWRKPF and RwLOOKWRKSD, SwLOOKWRKPF and SwLOOKWRKSD employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In Wave 1, respondents are not asked these questions, including if they were looking for work, if they never worked for pay for more than a few months or last worked before 1972 (more than 20 years ago). In the AHEAD cohort in Wave 3, respondents who report never working are not asked if they were looking for work or the potential characteristics of the work they would be looking for.

In the HRS cohort in Wave 2, the AHEAD cohort in Wave 3, and starting again in Wave 6, these questions are not asked if the interview is completed by proxy.

Starting in Wave 5, these questions are not asked if the respondent lives in a nursing home.

## HRS Variables Used:

Wave 1:

V2717	f2:any wrk for pay :imp
V3401	g1: rk/pay +few mos:imp
V3404	g2:intwr ckpt
V3530	g39:lking jb last 4 wks
V3531	g40:lking part/full time
V3532	g41:lking same/diff wrk

Wave 2 AHEAD:

BN_INHH	ahd w1: # r's responding in hhold
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Wave 2 HRS:

W3316	fa2.working for pay
W5002	fc28.doing to find work
W5003	fc29.looking full/part t
W5004	fc30.looking same/diffe

Wave 3 AHEAD:

D2651	ga2.working any current
D2652	ga2a.retired work any since w1
D3696	gc28.find work
D3697	gc29.look for part time or full time
D3698	gc30.look for same or different kind

Wave 3 HRS:

E2627	g2.working for pay
E2984	g115.doing to find work
E2985	g116.looking full/part-time work
E2986	g117.looking same/different work

Wave 4:

F3131	g2.working for pay
F3513	g115.doing to find work
F3514	g116.looking full/part-time work
F3515	g117.looking same/different work

Wave 5:

G3381	g2.working for pay
G3800	g115.doing to find work
G3801	g116.looking full/part-time work
G3802	g117.looking same/different work
G47_1	pr47.hh1 r in nursing home - updated

Wave 6:

HA009	proxy/self interview
HA028	r in nursing home
HJ020	working for pay
HJ517	doing what to find work- not working
HJ518	looking full/part-time work- not working
HJ519	looking same/different work- not working

Wave 7:

JA009	proxy/self interview
JA028	r in nursing home
JJ020	working for pay
JJ517	doing what to find work- not working

JJ518 looking full/part-time work- not working  
JJ519 looking same/different work- not working  
JJ705 not working prev and current waves

Wave 8:  
KA009 proxy/self interview  
KA028 r in nursing home  
KJ020 working for pay  
KJ517 doing what to find work- not working  
KJ518 looking full/part-time work- not working  
KJ519 looking same/different work- not working  
KJ705 not working prev and current waves

Wave 9:  
LA009 proxy/self interview  
LA028 r in nursing home  
LJ020 working for pay  
LJ517 doing what to find work- not working  
LJ518 looking full/part-time work- not working  
LJ519 looking same/different work- not working  
LJ705 not working prev and current waves

Wave 10:  
MA009 proxy/self interview  
MA028 r in nursing home  
MJ020 working for pay  
MJ517 doing what to find work- not working  
MJ518 looking full/part-time work- not working  
MJ519 looking same/different work- not working  
MJ705 not working prev and current waves

Wave 11:  
NA009 proxy/self interview  
NA028 r in nursing home  
NJ020 working for pay  
NJ517 doing what to find work- not working  
NJ518 looking full/part-time work- not working  
NJ519 looking same/different work- not working  
NJ705 not working prev and current waves

Wave 12:  
OA009 proxy/self interview  
OA028 r in nursing home  
OJ020 working for pay  
OJ517 doing what to find work- not working  
OJ518 looking full/part-time work- not working  
OJ519 looking same/different work- not working  
OJ705 not working prev and current waves

Wave 13:  
PA009 proxy/self interview  
PA028 r in nursing home  
PJ020 working for pay  
PJ517 doing what to find work- not working  
PJ518 looking full/part-time work- not working  
PJ519 looking same/different work- not working  
PJ705 not working prev and current waves

Wave 14:  
QA009 proxy/self interview  
QA028 r in nursing home  
QJ020 working for pay  
QJ517 doing what to find work- not working  
QJ518 looking full/part-time work- not working  
QJ519 looking same/different work- not working  
QJ705 not working prev and current waves

Wave 15:  
RA009 proxy/self interview  
RA028 r in nursing home  
RJ020 working for pay

RJ517            doing what to find work- not working  
RJ518            looking full/part-time work- not working  
RJ519            looking same/different work- not working  
RJ705            not working prev and current waves



<b>Reason Want to Leave Current Job</b>
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Wave	Variable	Label	Type
02	R2JRSWLEAV	r2jrswleav:w2 r reason looking for diff new job (if working)	Categ
03	R3JRSWLEAV	r3jrswleav:w3 r reason looking for diff new job (if working)	Categ
04	R4JRSWLEAV	r4jrswleav:w4 r reason looking for diff new job (if working)	Categ
05	R5JRSWLEAV	r5jrswleav:w5 r reason looking for diff new job (if working)	Categ
06	R6JRSWLEAV	r6jrswleav:w6 r reason looking for diff new job (if working)	Categ
07	R7JRSWLEAV	r7jrswleav:w7 r reason looking for diff new job (if working)	Categ
08	R8JRSWLEAV	r8jrswleav:w8 r reason looking for diff new job (if working)	Categ
09	R9JRSWLEAV	r9jrswleav:w9 r reason looking for diff new job (if working)	Categ
10	R10JRSWLEAV	r10jrswleav:w10 r reason looking for diff new job (if workin	Categ
11	R11JRSWLEAV	r11jrswleav:w11 r reason looking for diff new job (if workin	Categ
12	R12JRSWLEAV	r12jrswleav:w12 r reason looking for diff new job (if workin	Categ
13	R13JRSWLEAV	r13jrswleav:w13 r reason looking for diff new job (if workin	Categ
14	R14JRSWLEAV	r14jrswleav:w14 r reason looking for diff new job (if workin	Categ
02	S2JRSWLEAV	s2jrswleav:w2 s reason looking for diff new job (if working)	Categ
03	S3JRSWLEAV	s3jrswleav:w3 s reason looking for diff new job (if working)	Categ
04	S4JRSWLEAV	s4jrswleav:w4 s reason looking for diff new job (if working)	Categ
05	S5JRSWLEAV	s5jrswleav:w5 s reason looking for diff new job (if working)	Categ
06	S6JRSWLEAV	s6jrswleav:w6 s reason looking for diff new job (if working)	Categ
07	S7JRSWLEAV	s7jrswleav:w7 s reason looking for diff new job (if working)	Categ
08	S8JRSWLEAV	s8jrswleav:w8 s reason looking for diff new job (if working)	Categ
09	S9JRSWLEAV	s9jrswleav:w9 s reason looking for diff new job (if working)	Categ
10	S10JRSWLEAV	s10jrswleav:w10 s reason looking for diff new job (if workin	Categ
11	S11JRSWLEAV	s11jrswleav:w11 s reason looking for diff new job (if workin	Categ
12	S12JRSWLEAV	s12jrswleav:w12 s reason looking for diff new job (if workin	Categ
13	S13JRSWLEAV	s13jrswleav:w13 s reason looking for diff new job (if workin	Categ
14	S14JRSWLEAV	s14jrswleav:w14 s reason looking for diff new job (if workin	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2JRSWLEAV	217	1.67	0.99	1.00	5.00
R3JRSWLEAV	198	1.63	0.98	1.00	5.00
R4JRSWLEAV	282	1.55	0.87	1.00	5.00
R5JRSWLEAV	182	1.80	1.02	1.00	5.00
R6JRSWLEAV	157	1.32	0.78	1.00	5.00
R7JRSWLEAV	321	1.61	0.94	1.00	5.00
R8JRSWLEAV	253	1.71	0.98	1.00	5.00
R9JRSWLEAV	211	1.63	1.05	1.00	5.00
R10JRSWLEAV	599	1.55	1.11	1.00	5.00
R11JRSWLEAV	459	1.64	1.05	1.00	5.00
R12JRSWLEAV	375	1.74	1.16	1.00	5.00
R13JRSWLEAV	613	1.42	0.89	1.00	5.00
R14JRSWLEAV	372	1.76	1.14	1.00	5.00
S2JRSWLEAV	154	1.62	0.97	1.00	5.00
S3JRSWLEAV	134	1.60	0.95	1.00	5.00
S4JRSWLEAV	201	1.53	0.85	1.00	5.00
S5JRSWLEAV	120	1.89	1.08	1.00	5.00
S6JRSWLEAV	109	1.25	0.63	1.00	5.00
S7JRSWLEAV	211	1.63	0.95	1.00	5.00
S8JRSWLEAV	168	1.68	0.99	1.00	5.00
S9JRSWLEAV	139	1.64	1.09	1.00	5.00
S10JRSWLEAV	355	1.50	1.08	1.00	5.00
S11JRSWLEAV	272	1.70	1.11	1.00	5.00
S12JRSWLEAV	235	1.74	1.10	1.00	5.00

S13JRSWLEAV	333	1.43	0.90	1.00	5.00
S14JRSWLEAV	191	1.81	1.20	1.00	5.00

### Categorical Variable Codes

Value-----	R2JRSWLEAV	R3JRSWLEAV	R4JRSWLEAV	R5JRSWLEAV
.d:DK	4	10	9	6
.f:works less than 520 hrs/		104		
.h:nursing home ivw			3	4
.k:looking for same work	305	274	335	257
.l:not looking for new job	4795	5647	7101	6149
.m:Missing	15	54	89	63
.p:proxy ivw	335	304	445	407
.q:not asked this wave	8222			
.r:Refuse	16	7	10	11
.s:self-employed	1374	275	167	161
.w:not working	4359	11118	12943	12338
1.job characteristics	143	134	193	101
2.too tiring/stressful	9	12	28	26
3.progress career	61	48	59	50
4.losing job	1			
5.personal, other	3	4	2	5

Value-----	R6JRSWLEAV	R7JRSWLEAV	R8JRSWLEAV	R9JRSWLEAV	R10JRSWLEAV
.d:DK	6	13	38	27	35
.h:nursing home ivw	23	3	1		1
.k:looking for same work	195	410	314	294	639
.l:not looking for new job	5141	6441	5627	4995	7147
.m:Missing	9	48	41	52	256
.p:proxy ivw	379	398	230	176	203
.r:Refuse	9	13	4	6	23
.s:self-employed	164	217	147	135	162
.w:not working	12082	12265	11814	11321	12969
1.job characteristics	126	212	157	144	449
2.too tiring/stressful	20	31	20	18	53
3.progress career	7	73	72	40	54
4.losing job				1	5
5.personal, other	4	5	4	8	38

Value-----	R11JRSWLEAV	R12JRSWLEAV	R13JRSWLEAV	R14JRSWLEAV
.d:DK	31	17	45	30
.h:nursing home ivw		2	5	1
.k:looking for same work	560	400	573	410
.l:not looking for new job	6500	5744	7185	5634
.m:Missing	129	104	139	120
.p:proxy ivw	162	151	149	105
.r:Refuse	11	11	17	6
.s:self-employed	157	121	154	121
.w:not working	12545	11822	12032	10347
1.job characteristics	311	243	473	237
2.too tiring/stressful	38	36	53	29
3.progress career	92	72	70	86
4.losing job			1	
5.personal, other	18	24	16	20

Value-----	S2JRSWLEAV	S3JRSWLEAV	S4JRSWLEAV	S5JRSWLEAV
.d:DK	4	6	5	5
.f:works less than 520 hrs/		69		
.k:looking for same work	223	200	240	184
.l:not looking for new job	3628	4242	5162	4497
.m:Missing	3	21	48	32
.p:proxy ivw	321	293	429	393
.q:not asked this wave	4350			
.r:Refuse	13	2	2	4
.s:self-employed	1158	224	160	154
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.w:not working	3234	6725	7731	7341
1.job characteristics	106	91	137	61
2.too tiring/stressful	6	9	26	21
3.progress career	39	32	36	33
4.losing job	1			
5.personal, other	2	2	2	5

Value-----	S6JRSWLEAV	S7JRSWLEAV	S8JRSWLEAV	S9JRSWLEAV	S10JRSWLEAV
.d:DK	3	4	25	17	23
.h:nursing home ivw	21	1	1		
.k:looking for same work	139	279	219	189	411
.l:not looking for new job	3719	4655	4078	3587	4936
.m:Missing	2	27	26	28	158
.p:proxy ivw	353	385	221	168	192
.r:Refuse	5	5	3	6	11
.s:self-employed	161	201	133	116	138
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:not working	7120	7200	6854	6390	7284
1.job characteristics	90	136	108	95	274
2.too tiring/stressful	13	25	11	13	29
3.progress career	5	46	46	24	28
4.losing job					3
5.personal, other	1	4	3	7	21

Value-----	S11JRSWLEAV	S12JRSWLEAV	S13JRSWLEAV	S14JRSWLEAV
.d:DK	15	11	25	16
.h:nursing home ivw		1		
.k:looking for same work	345	243	309	237
.l:not looking for new job	4520	3892	4635	3441
.m:Missing	69	50	60	58
.p:proxy ivw	156	146	146	102
.r:Refuse	4	8	8	1
.s:self-employed	128	97	110	88
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
.w:not working	6967	6329	6152	5224
1.job characteristics	178	145	257	118
2.too tiring/stressful	25	27	28	20
3.progress career	55	52	38	39
4.losing job			1	
5.personal, other	14	11	9	14

### How Constructed:

For respondents who are currently working and report looking for a new job that is different from their current job, RwjRSWLEAV indicates how the respondent would want a new job to be different from their current job. The respondent is asked how a new job would be different, and if they mention multiple reasons, then the first reason is reported. RwjRSWLEAV is coded as follows: 1.job characteristics, 2.too tiring/stressful, 3.progress career, 4.losing job, 5.personal, other. A value of 1 is assigned if the respondent would like to go to self-employment, return to a previous job type, look for a job that they have done as a hobby or "second" job, work at home, or they would want a new job with fewer/more hours, a different work schedule, that is more interesting/challenging, has a different work environment, or if they give a general type of work different from their current/last job, want anything but this type of work (clearly dislikes current/last job and seeks a change because of this), or give a similar type of work on a somewhat different product or in a somewhat different industry. A value of 2 is assigned if they would like a new job that is less physically demanding, less stressful, or with less responsibility. A value of 3 is assigned if they would like a new job with better pay/benefits, a promotion or more responsibility, or if they provide a specific job title that is different from their current/last job. A value of 4 is assigned if they would like a new job because jobs similar to the respondent's are not available at this time or in this area. A value of 5 is assigned if they would take any job because they need/want work and don't care what type it is, or would like a new job for another reason. Special missing .w is assigned if the respondent is currently not working. Special missing .l is assigned if the respondent is working but not looking for a new job. Special missing .k is assigned if the respondent is working and looking for a new job but they are looking for the same kind of work they are currently doing. Starting in the HRS cohort in Wave 2, this question is not asked if the respondent is self-employed or if the interview is conducted by proxy, in which case RwjRSWLEAV is assigned special missing .s and .p, respectively. In the AHEAD cohort in Wave 3, this question is not asked if the respondent worked less than 520 hours per year, and so RwjRSWLEAV is assigned special missing .f in this wave. Starting in Wave 4, this question is not asked if the respondent resides in a nursing home, and so RwjRSWLEAV is assigned special missing .h. This question is not asked at all in the AHEAD cohort in Wave 2, so RwjRSWLEAV is assigned special missing .q in Wave 2. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwjRSWLEAV is assigned blank missing (.) if the respondent did not participate in the current wave.

SwJRSWLEAV indicates how the current wave's spouse would want a new job to be different if they are working and looking for a new and different kind of job, and its values are taken from RwJRSWLEAV. In addition to the special missing codes used in RwJRSWLEAV, if the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. Also, if the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in HRS

These questions are not asked if the respondent is self-employed or if the interview is by proxy starting in the HRS cohort in Wave 2.

These questions are not asked at all for the AHEAD cohort in Wave 2.

Only in the AHEAD cohort in Wave 3, these questions are not asked if the respondent worked less than 520 hours per year.

Starting in Wave 4, these questions are not asked if the respondent resides in a nursing home.

RwJRSWLEAV is not currently available for Wave 15, but will be incorporated with the next data release.

## HRS Variables Used:

Wave 1:

V2717	f2:any wrk for pay :imp
V3214	f76:crntly lking anr job
V3217	f79:lkng sm typ wrk/diff
V3218	f79a:how jb be diff (1)

Wave 2 AHEAD:

BN_INHH	ahd w1: # r's responding in hhold
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Wave 2 HRS:

W116	ics5. self/proxy interview
W3316	fa2.working for pay
W3317	fa3.work for someone els
W3919	fa109.looking for anothe
W3922	fa112.looking same/diffe
W3922A	fa112a-mention 1.(q1570)

Wave 3 AHEAD:

D2651	ga2.working any current
D2652	ga2a.retired work any since w1
D2653	ga3. self/other employed
D3068	ga109. looking another job
D3077	ga112. looking same/different
D3078	ga112a. how job different
D3277	hrs per year
D99	w1 iw self/proxy

Wave 3 HRS:

E218	cs1a.proxy/self interview
E2627	g2.working for pay
E2628	g3.work for someone else/self-employed
E2971	g109.looking for another job currently
E2975	g112.looking same/different kind of work
E2976M1	g112a-1. how would job be diff-1
E3016	g127f.move to less demanding job

Wave 4:

F3131	g2.working for pay
F3132	g3.work for someone else/self-employed
F3500	g109.looking for another job currently
F3504	g112.looking same/different kind of work
F3505	g112a. how would job be different
F3545	g127f.move to less demanding job
F47_1	hh1 r in nursing home - updated

F483 cs1a.proxy/self interview

Wave 5:

G3381 g2.working for pay  
G3382 g3.work for someone else/self-employed  
G3787 g109.looking for another job currently  
G3791 g112.looking same/different kind of work  
G3792 g112a. how would job be different  
G47\_1 pr47.hh1 r in nursing home - updated  
G514 cs1a.proxy/self interview

Wave 6:

HA009 proxy/self interview  
HA028 r in nursing home  
HJ020 working for pay  
HJ021 work for someone else/slf-employed  
HJ505 looking for another job currently  
HJ508 looking same/different kind of work  
HJ509M1 if you got new job how diff -1

Wave 7:

JA009 proxy/self interview  
JA028 r in nursing home  
JJ020 working for pay  
JJ021 work for someone else/slf-employed  
JJ505 looking for another job currently  
JJ508 looking same/different kind of work  
JJ509M1 if you got new job how diff -1

Wave 8:

KA009 proxy/self interview  
KA028 r in nursing home  
KJ020 working for pay  
KJ021 work for someone else/slf-employed  
KJ505 looking for another job currently  
KJ508 looking same/different kind of work  
KJ509M1 if you got new job how diff -1

Wave 9:

LA009 proxy/self interview  
LA028 r in nursing home  
LJ020 working for pay  
LJ021 work for someone else/slf-employed  
LJ505 looking for another job currently  
LJ508 looking same/different kind of work  
LJ509M1 if you got new job how diff -1

Wave 10:

MA009 proxy/self interview  
MA028 r in nursing home  
MJ020 working for pay  
MJ021 work for someone else/slf-employed  
MJ505 looking for another job currently  
MJ508 looking same/different kind of work  
MJ509M1 if you got new job how diff -1

Wave 11:

NA009 proxy/self interview  
NA028 r in nursing home  
NJ020 working for pay  
NJ021 work for someone else/slf-employed  
NJ505 looking for another job currently  
NJ508 looking same/different kind of work  
NJ509M1 how would job be different - 1

Wave 12:

OA009 proxy/self interview  
OA028 r in nursing home  
OJ020 working for pay  
OJ021 work for someone else/slf-employed  
OJ505 looking for another job currently

OJ508 looking same/different kind of work  
OJ509M1 how would job be different - 1

Wave 13:

PA009 proxy/self interview  
PA028 r in nursing home  
PJ020 working for pay  
PJ021 work for someone else/slf-employed  
PJ505 looking for another job currently  
PJ508 looking same/different kind of work  
PJ509M1 how would job be different - 1

Wave 14:

QA009 proxy/self interview  
QA028 r in nursing home  
QJ020 working for pay  
QJ021 work for someone else/slf-employed  
QJ505 looking for another job currently  
QJ508 looking same/different kind of work  
QJ509M1 how would job be different - 1

Wave 15:

RA009 proxy/self interview  
RA028 r in nursing home  
RJ020 working for pay  
RJ021 work for someone else/slf-employed  
RJ505 looking for another job currently  
RJ508 looking same/different kind of work  
RJ509M1 how would job be different - 1

<b>Reason Stopped Working at Previous Job</b>
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Wave	Variable	Label	Type
02	R2JRSLEFT	r2jrsleft:w2 r reason for stopping working (if not working)	Categ
03	R3JRSLEFT	r3jrsleft:w3 r reason for stopping working (if not working)	Categ
04	R4JRSLEFT	r4jrsleft:w4 r reason for stopping working (if not working)	Categ
05	R5JRSLEFT	r5jrsleft:w5 r reason for stopping working (if not working)	Categ
06	R6JRSLEFT	r6jrsleft:w6 r reason for stopping working (if not working)	Categ
07	R7JRSLEFT	r7jrsleft:w7 r reason for stopping working (if not working)	Categ
08	R8JRSLEFT	r8jrsleft:w8 r reason for stopping working (if not working)	Categ
09	R9JRSLEFT	r9jrsleft:w9 r reason for stopping working (if not working)	Categ
10	R10JRSLEFT	r10jrsleft:w10 r reason for stopping working (if not working)	Categ
11	R11JRSLEFT	r11jrsleft:w11 r reason for stopping working (if not working)	Categ
12	R12JRSLEFT	r12jrsleft:w12 r reason for stopping working (if not working)	Categ
13	R13JRSLEFT	r13jrsleft:w13 r reason for stopping working (if not working)	Categ
14	R14JRSLEFT	r14jrsleft:w14 r reason for stopping working (if not working)	Categ
15	R15JRSLEFT	r15jrsleft:w15 r reason for stopping working (if not working)	Categ
02	S2JRSLEFT	s2jrsleft:w2 s reason for stopping working (if not working)	Categ
03	S3JRSLEFT	s3jrsleft:w3 s reason for stopping working (if not working)	Categ
04	S4JRSLEFT	s4jrsleft:w4 s reason for stopping working (if not working)	Categ
05	S5JRSLEFT	s5jrsleft:w5 s reason for stopping working (if not working)	Categ
06	S6JRSLEFT	s6jrsleft:w6 s reason for stopping working (if not working)	Categ
07	S7JRSLEFT	s7jrsleft:w7 s reason for stopping working (if not working)	Categ
08	S8JRSLEFT	s8jrsleft:w8 s reason for stopping working (if not working)	Categ
09	S9JRSLEFT	s9jrsleft:w9 s reason for stopping working (if not working)	Categ
10	S10JRSLEFT	s10jrsleft:w10 s reason for stopping working (if not working)	Categ
11	S11JRSLEFT	s11jrsleft:w11 s reason for stopping working (if not working)	Categ
12	S12JRSLEFT	s12jrsleft:w12 s reason for stopping working (if not working)	Categ
13	S13JRSLEFT	s13jrsleft:w13 s reason for stopping working (if not working)	Categ
14	S14JRSLEFT	s14jrsleft:w14 s reason for stopping working (if not working)	Categ
15	S15JRSLEFT	s15jrsleft:w15 s reason for stopping working (if not working)	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2JRSLEFT	5811	3.62	2.05	1.00	8.00
R3JRSLEFT	13335	2.71	2.05	1.00	8.00
R4JRSLEFT	16789	2.91	2.16	1.00	8.00
R5JRSLEFT	16331	2.94	2.19	1.00	8.00
R6JRSLEFT	15860	2.87	2.18	1.00	8.00
R7JRSLEFT	15939	2.79	2.17	1.00	8.00
R8JRSLEFT	15442	2.73	2.14	1.00	8.00
R9JRSLEFT	14850	2.63	2.12	1.00	8.00
R10JRSLEFT	16015	2.76	2.10	1.00	8.00
R11JRSLEFT	16063	2.72	2.09	1.00	8.00
R12JRSLEFT	15288	2.69	2.10	1.00	8.00
R13JRSLEFT	15316	2.87	2.14	1.00	8.00
R14JRSLEFT	13538	2.86	2.16	1.00	8.00
R15JRSLEFT	13041	3.08	2.52	1.00	8.00
S2JRSLEFT	4349	3.55	2.11	1.00	8.00
S3JRSLEFT	8414	2.77	2.09	1.00	8.00
S4JRSLEFT	10583	3.02	2.21	1.00	8.00
S5JRSLEFT	10299	3.02	2.24	1.00	8.00
S6JRSLEFT	9929	2.92	2.22	1.00	8.00
S7JRSLEFT	9906	2.85	2.20	1.00	8.00
S8JRSLEFT	9487	2.80	2.20	1.00	8.00
S9JRSLEFT	8885	2.71	2.19	1.00	8.00

S10JRSLEFT	9386	2.81	2.15	1.00	8.00
S11JRSLEFT	9310	2.78	2.14	1.00	8.00
S12JRSLEFT	8591	2.77	2.16	1.00	8.00
S13JRSLEFT	8259	2.94	2.20	1.00	8.00
S14JRSLEFT	7114	2.91	2.20	1.00	8.00
S15JRSLEFT	6831	3.12	2.57	1.00	8.00

### Categorical Variable Codes

Value-----	R2JRSLEFT	R3JRSLEFT	R4JRSLEFT	R5JRSLEFT
.c:denies working at previo	2	7	7	13
.d:DK		10		
.m:Missing	25	36	34	10
.q:not asked this wave	8172			
.r:Refuse	1	4	3	2
.w:working	5631	4599	4551	3222
1.retired	1705	7290	8515	8278
3.laid off	809	882	1398	1240
4.health reason	1276	1623	1996	1803
5.family reason	1164	2510	2872	3018
6.new job	231	340	748	729
7.quit	419	458	825	725
8.other	207	232	435	538

Value-----	R6JRSLEFT	R7JRSLEFT	R8JRSLEFT	R9JRSLEFT	R10JRSLEFT
.b:denies leaving prev job					4
.c:denies working at previo	10	5	12	5	5
.d:DK		1	1		3
.m:Missing	5	21	6	5	262
.r:Refuse	1	3		2	9
.w:working	2289	4160	3008	2355	5736
1.retired	8281	8605	8554	8623	8328
3.laid off	1245	1253	1083	1040	1745
4.health reason	1699	1901	1876	1676	2597
5.family reason	2760	2380	2229	1899	1620
6.new job	678	589	623	579	485
7.quit	684	653	644	649	674
8.other	513	558	433	384	566

Value-----	R11JRSLEFT	R12JRSLEFT	R13JRSLEFT	R14JRSLEFT	R15JRSLEFT
.b:denies leaving prev job			4		
.c:denies working at previo	14	10	4	11	4
.d:DK			2	8	1
.m:Missing	41	22	113	40	35
.r:Refuse	2		10	2	2
.w:working	4434	3427	5463	3547	2640
1.retired	8565	8327	7609	6782	6784
3.laid off	1606	1380	1548	1373	913
4.health reason	2634	2587	2964	2549	2016
5.family reason	1554	1340	1315	1086	892
6.new job	507	470	515	514	455
7.quit	659	695	803	706	409
8.other	538	489	562	528	1572

Value-----	S2JRSLEFT	S3JRSLEFT	S4JRSLEFT	S5JRSLEFT
.c:denies working at previo	1	5	5	10
.d:DK		1		
.m:Missing	13	13	15	4
.q:not asked this wave	4302			
.r:Refuse		1		
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.w:working	4423	3482	3375	2417
1.retired	1418	4503	5121	5077
3.laid off	580	628	1015	906
4.health reason	741	909	1121	997
5.family reason	972	1605	1835	1850
6.new job	177	261	584	552
7.quit	304	339	597	539
8.other	157	169	310	378

Value-----	S6JRSLEFT	S7JRSLEFT	S8JRSLEFT	S9JRSLEFT	S10JRSLEFT
.b:denies leaving prev job					3



.c:denies working at previo	7	5	8	4	3
.d:DK			1		1
.m:Missing	3	9	2	2	166
.r:Refuse	1	3		2	3
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:working	1692	3045	2230	1747	3946
1.retired	5114	5243	5163	5041	4850
3.laid off	895	876	755	715	1116
4.health reason	916	1011	972	836	1222
5.family reason	1677	1514	1371	1160	1062
6.new job	507	456	467	427	346
7.quit	478	447	455	442	434
8.other	342	359	304	264	356
Value-----	S11JRSLEFT	S12JRSLEFT	S13JRSLEFT	S14JRSLEFT	S15JRSLEFT
.b:denies leaving prev job			2		
.c:denies working at previo	7	8	3	4	3
.d:DK			1	6	
.m:Missing	23	15	51	17	6
.r:Refuse	1		2		
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:working	3135	2398	3460	2217	1626
1.retired	4892	4602	4063	3566	3595
3.laid off	1026	872	909	767	497
4.health reason	1225	1157	1280	1081	803
5.family reason	1068	901	841	683	562
6.new job	358	309	347	316	273
7.quit	427	444	498	431	239
8.other	314	306	321	270	862

### How Constructed:

RwJRSLEFT indicates the respondent's reason for stopping working at their previous job if they are no longer working. This variable incorporates responses from several questions. If the respondent reported being self-employed in the previous wave and employed by someone else in the current wave, then the respondent is asked why they stopped being self-employed. If the respondent reported leaving their employer from the previous wave, then the respondent is asked why they left that employer. If the respondent reported leaving their position from the previous wave, then the respondent is asked why they left that position. The first reason given for each of these questions is used for the assignment of RwJRSLEFT. In addition, the respondent's first self-reported current job status is used to assign certain values to RwJRSLEFT when they are not asked the reasons for leaving their previous job.

RwJRSLEFT is coded as follows: 1.retired, 2.fired, 3.laid off, 4.health reason, 5.family reason, 6.new job, 7.quit, and 8.other. A value of 1 is assigned if the respondent chose to retire, reported being offered an early retirement incentive/offer, or handed over their business responsibilities to other family members. A value of 1 is also assigned if no reasons were asked and the respondent reported being retired as their job status. A value of 3 is assigned if they stopped working because the company moved or sold, or if they were laid off/let go. A value of 4 is assigned if they stopped working because of their own ill health or disability. A value of 4 is also assigned if no reasons were asked and the respondent reported being disabled as their job status. A value of 5 is assigned if they stopped working to spend more time with family, care for children, or as the result of a divorce/separation. A value of 5 is also assigned if no reasons were asked and the respondent reported being a homemaker as their job status. A value of 6 is assigned if they stopped working to start their own business, get more training, work in a family business, join the military, or if they or their spouse were transferred. A value of 7 is assigned if they stopped working because they quit their job. A value of 8 is assigned if they stopped working because they moved to a different area, they sold or closed their business, they lived too far from work, they wanted to travel, it was financially advantageous not to work, their job required too much time, pension rules changed, as the result of a strike, or for another reason. A value of 8 is also assigned if no reasons were asked and the respondent reported having an "other" job status. Please note that the options provided in HRS do not allow for the assignment of 2 for RwJRSLEFT. Responses from previous waves are carried forward for respondents with missing values. Special missing .w is assigned if the respondent is currently working. In Wave 1, special missing .x is assigned if these questions were skipped because the respondent reported never working or last working before 1972. Starting in the HRS cohort in Wave 2, special missing .c is assigned if the respondent denies that they were working at the previous wave. Starting in Wave 7, RwJRSLEFT is assigned special missing .b if the respondent denies leaving their previous job. This question is not asked in the AHEAD cohort in Wave 2, so RwJRSLEFT is

assigned special missing .q in Wave 2. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwJRSLEFT is assigned blank missing (.) if the respondent did not participate in the current wave.

SwJRSLEFT indicates the current wave's spouse's reason for stopping working at their previous job, and its values are taken from RwJRSLEFT. In addition to the special missing codes used in RwJRSLEFT, if the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. Also, if the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in HRS

These questions are asked a varying number of times to slightly different subsets of respondents over time. In Wave 1, two separate questions are asked to those who left their employer and to those who stopped being self-employed. In the HRS cohort in Wave 2, nine separate questions are asked based on those who stopped being self-employed, left their employer, or left their job and whether they are currently employed by someone else, self-employed, or neither. In Wave 3, five separate questions are asked based on those who stopped being self-employed or left their employer and whether they are currently employed by someone else, self-employed, or neither. In Wave 4, four separate questions are asked based on those who left their employer or left their job and whether they are currently working or not. In Wave 5, four separate questions are asked to those who left their employer or left their job and whether they are currently working or not. Starting in Wave 6, three separate questions are asked to those who left their employer and are currently working, to those who left their job and are currently working, and to those who left their employer and are not currently working.

Only in Wave 1, respondents who reported never working or last working before 1972 were not asked the reasons for leaving their previous job.

In the AHEAD cohort in Wave 2, respondents are not asked about the reason for stopping working.

Starting in the HRS sample in Wave 2, respondents can deny working at the previous wave.

Starting in Wave 7, respondents can deny leaving their previous job.

## HRS Variables Used:

```
Wave 1:
V2717      f2:any wrk for pay :imp
V3401      g1: rk/pay +few mos:imp
V3404      g2:intwr ckpt
V3422      g16:business closed
V3423      g16:laid off/let go
V3424      g16:poor hlth/disabl
V3425      g16:family care
V3426      g16:better job
V3427      g16:quit
V3428      g16:retired
V3429      g16:other
V3446      g28:r/se:why stp wrkng-1

Wave 2 AHEAD:
BN_INHH    ahd w1: # r's responding in hhold

Wave 2 HRS:
W3300      fa1.current job status
W3316      fa2.working for pay
W3369      fa8.why stopped self-emp
W3507      fa28.why left employer
W4046      fa134.why stopped workin
W4204      fb4.why left employer
W4701      fb94.why stopped previou
W4800      fc2.month stopped self-e
W4808      fc5.why stopped self emp
W4897      fc16.month stopped work
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W4901	fc17.why left employer
W5085	fc52.why stopped after
W7024	g16.why left employer
W7025	g16.why left employer
W7026	g16.why left employer
W7027	g16.why left employer
W7028	g16.why left employer
W7029	g16.why left employer
W7030	g16.why left employer
W7031	g16.why left employer
Wave 3 AHEAD:	
D2626M1	ga1. current job status
D2651	ga2.working any current
D2653	ga3. self/other employed
D2654	ga5. month stopped self-empl
D2680M1	ga8. why stopped self-empl
D2768M1	ga28. why left employer
D3198M1	gb4. why left employer
D3568M1	gc5. why stopped self-empl
D3648M1	gc17. why left employer
Wave 3 HRS:	
E2611M1	g1.current job status
E2627	g2.working for pay
E2630	g5.stopped working for self-month
E2634	g5b.branchpoint
E2667	g26.stop work for prev wave employer-mon
E2673M1	g28.why left employer
E3064M1	g145.why stopped working
E3153M1	gg16.why left employer
E3347M1	gh11.why left employer
Wave 4:	
F3115M1	g1.current job status
F3131	g2.working for pay
F3134	g5.stopped working for self-month
F3188	g26.stop work for prev wave employer-mon
F3194M1	g28.why left employer
F3596M1	g145.why stopped working
F3671M1	gg16.why left employer
F3852M1	gh11.why left employer
Wave 5:	
G3365M1	g1.current job status
G3381	g2.working for pay
G3384	g5.stopped working for self-month
G3437	g26.stop work prev wave emplyr-mo
G3444M1	g28.why left employer
G3884M1	g145.why stopped working
G3989M1	gg16.why left employer
G4114M1	gh11.why left employer
Wave 6:	
HJ020	working for pay
HJ023	stopped working for slf-mo
HJ063	stop/retire work prev wave employer-mo
HJ073M1	why left employer- 1
HJ607M1	why stopped working- 1
HK024M1	why left employer- 1
Wave 7:	
JJ020	working for pay
JJ023	stopped working for slf-mo
JJ063	stop/retire work prev wave employer-mo
JJ073M1	why left employer- 1
JJ607M1	why stopped working- 1
JK029M1	why left employer- 1
Wave 8:	

KJ020 working for pay  
KJ023 stopped working for slf-mo  
KJ063 stop/retire work prev wave employer-mo  
KJ073M1 why left employer- 1  
KJ607M1 why stopped working- 1  
KK029M1 why left employer- 1

Wave 9:  
LJ020 working for pay  
LJ023 stopped working for slf-mo  
LJ063 stop/retire work prev wave employer-mo  
LJ073M1 why left employer- 1  
LJ607M1 why stopped working- 1  
LK029M1 why left employer- 1

Wave 10:  
MJ020 working for pay  
MJ023 stopped working for slf-mo  
MJ063 stop/retire work prev wave employer-mo  
MJ073M1 why left employer- 1  
MJ607M1 why stopped working- 1  
MK029M1 why left employer- 1

Wave 11:  
NJ020 working for pay  
NJ023 stopped working for slf-mo  
NJ063 stop/retire work prev wave employer-mo  
NJ073M1 why left employer- 1  
NJ607M1 why stopped working- 1  
NK029M1 why left employer- 1

Wave 12:  
OJ020 working for pay  
OJ023 stopped working for slf-mo  
OJ063 stop/retire work prev wave employer-mo  
OJ073M1 why left employer- 1  
OJ607M1 why stopped working- 1  
OK029M1 why left employer- 1

Wave 13:  
PJ020 working for pay  
PJ023 stopped working for slf-mo  
PJ063 stop/retire work prev wave employer-mo  
PJ073M1 why left employer- 1  
PJ607M1 why stopped working- 1  
PJK029M1 why left employer- 1

Wave 14:  
QJ020 working for pay  
QJ023 stopped working for slf-mo  
QJ063 stop/retire work prev wave employer-mo  
QJ073M1 why left employer- 1  
QJ607M1 why stopped working- 1  
QJK029M1 why left employer- 1

Wave 15:  
RJ020 working for pay  
RJ023 stopped working for slf-mo  
RJ063 stop/retire work prev wave employer-mo  
RJ073M1 why left employer- 1  
RJ607M1 why stopped working- 1  
RJK029M1 why left employer- 1

## **Section K: Physical Measures**

<b>Blood Pressure and Heart Rate Measurements</b>
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Wave	Variable	Label	Type
08	R8SYSTO1	r8systo1:w8 r blood pressure measure (systolic) 1	Cont
09	R9SYSTO1	r9systo1:w9 r blood pressure measure (systolic) 1	Cont
10	R10SYSTO1	r10systo1:w10 r blood pressure measure (systolic) 1	Cont
11	R11SYSTO1	r11systo1:w11 r blood pressure measure (systolic) 1	Cont
12	R12SYSTO1	r12systo1:w12 r blood pressure measure (systolic) 1	Cont
13	R13SYSTO1	r13systo1:w13 r blood pressure measure (systolic) 1	Cont
14	R14SYSTO1	r14systo1:w14 r blood pressure measure (systolic) 1	Cont
08	S8SYSTO1	s8systo1:w8 s blood pressure measure (systolic) 1	Cont
09	S9SYSTO1	s9systo1:w9 s blood pressure measure (systolic) 1	Cont
10	S10SYSTO1	s10systo1:w10 s blood pressure measure (systolic) 1	Cont
11	S11SYSTO1	s11systo1:w11 s blood pressure measure (systolic) 1	Cont
12	S12SYSTO1	s12systo1:w12 s blood pressure measure (systolic) 1	Cont
13	S13SYSTO1	s13systo1:w13 s blood pressure measure (systolic) 1	Cont
14	S14SYSTO1	s14systo1:w14 s blood pressure measure (systolic) 1	Cont
08	R8SYSTO2	r8systo2:w8 r blood pressure measure (systolic) 2	Cont
09	R9SYSTO2	r9systo2:w9 r blood pressure measure (systolic) 2	Cont
10	R10SYSTO2	r10systo2:w10 r blood pressure measure (systolic) 2	Cont
11	R11SYSTO2	r11systo2:w11 r blood pressure measure (systolic) 2	Cont
12	R12SYSTO2	r12systo2:w12 r blood pressure measure (systolic) 2	Cont
13	R13SYSTO2	r13systo2:w13 r blood pressure measure (systolic) 2	Cont
14	R14SYSTO2	r14systo2:w14 r blood pressure measure (systolic) 2	Cont
08	S8SYSTO2	s8systo2:w8 s blood pressure measure (systolic) 2	Cont
09	S9SYSTO2	s9systo2:w9 s blood pressure measure (systolic) 2	Cont
10	S10SYSTO2	s10systo2:w10 s blood pressure measure (systolic) 2	Cont
11	S11SYSTO2	s11systo2:w11 s blood pressure measure (systolic) 2	Cont
12	S12SYSTO2	s12systo2:w12 s blood pressure measure (systolic) 2	Cont
13	S13SYSTO2	s13systo2:w13 s blood pressure measure (systolic) 2	Cont
14	S14SYSTO2	s14systo2:w14 s blood pressure measure (systolic) 2	Cont
08	R8SYSTO3	r8systo3:w8 r blood pressure measure (systolic) 3	Cont
09	R9SYSTO3	r9systo3:w9 r blood pressure measure (systolic) 3	Cont
10	R10SYSTO3	r10systo3:w10 r blood pressure measure (systolic) 3	Cont
11	R11SYSTO3	r11systo3:w11 r blood pressure measure (systolic) 3	Cont
12	R12SYSTO3	r12systo3:w12 r blood pressure measure (systolic) 3	Cont
13	R13SYSTO3	r13systo3:w13 r blood pressure measure (systolic) 3	Cont
14	R14SYSTO3	r14systo3:w14 r blood pressure measure (systolic) 3	Cont
08	S8SYSTO3	s8systo3:w8 s blood pressure measure (systolic) 3	Cont
09	S9SYSTO3	s9systo3:w9 s blood pressure measure (systolic) 3	Cont
10	S10SYSTO3	s10systo3:w10 s blood pressure measure (systolic) 3	Cont
11	S11SYSTO3	s11systo3:w11 s blood pressure measure (systolic) 3	Cont
12	S12SYSTO3	s12systo3:w12 s blood pressure measure (systolic) 3	Cont
13	S13SYSTO3	s13systo3:w13 s blood pressure measure (systolic) 3	Cont
14	S14SYSTO3	s14systo3:w14 s blood pressure measure (systolic) 3	Cont
08	R8SYSTO	r8systo:w8 r average blood pressure measure (systolic) 2 & 3	Cont
09	R9SYSTO	r9systo:w9 r average blood pressure measure (systolic) 2 & 3	Cont
10	R10SYSTO	r10systo:w10 r average blood pressure measure (systolic) 2 & 3	Cont
11	R11SYSTO	r11systo:w11 r average blood pressure measure (systolic) 2 & 3	Cont
12	R12SYSTO	r12systo:w12 r average blood pressure measure (systolic) 2 & 3	Cont
13	R13SYSTO	r13systo:w13 r average blood pressure measure (systolic) 2 & 3	Cont
14	R14SYSTO	r14systo:w14 r average blood pressure measure (systolic) 2 & 3	Cont
08	S8SYSTO	s8systo:w8 s average blood pressure measure (systolic) 2 & 3	Cont

09	S9SYSTO	s9systo:w9	s	average blood pressure measure (systolic)	2 & 3	Cont
10	S10SYSTO	s10systo:w10	s	average blood pressure measure (systolic)	2 &	Cont
11	S11SYSTO	s11systo:w11	s	average blood pressure measure (systolic)	2 &	Cont
12	S12SYSTO	s12systo:w12	s	average blood pressure measure (systolic)	2 &	Cont
13	S13SYSTO	s13systo:w13	s	average blood pressure measure (systolic)	2 &	Cont
14	S14SYSTO	s14systo:w14	s	average blood pressure measure (systolic)	2 &	Cont
08	R8DIASTO1	r8diasto1:w8	r	blood pressure measure (diastolic)	1	Cont
09	R9DIASTO1	r9diasto1:w9	r	blood pressure measure (diastolic)	1	Cont
10	R10DIASTO1	r10diasto1:w10	r	blood pressure measure (diastolic)	1	Cont
11	R11DIASTO1	r11diasto1:w11	r	blood pressure measure (diastolic)	1	Cont
12	R12DIASTO1	r12diasto1:w12	r	blood pressure measure (diastolic)	1	Cont
13	R13DIASTO1	r13diasto1:w13	r	blood pressure measure (diastolic)	1	Cont
14	R14DIASTO1	r14diasto1:w14	r	blood pressure measure (diastolic)	1	Cont
08	S8DIASTO1	s8diasto1:w8	s	blood pressure measure (diastolic)	1	Cont
09	S9DIASTO1	s9diasto1:w9	s	blood pressure measure (diastolic)	1	Cont
10	S10DIASTO1	s10diasto1:w10	s	blood pressure measure (diastolic)	1	Cont
11	S11DIASTO1	s11diasto1:w11	s	blood pressure measure (diastolic)	1	Cont
12	S12DIASTO1	s12diasto1:w12	s	blood pressure measure (diastolic)	1	Cont
13	S13DIASTO1	s13diasto1:w13	s	blood pressure measure (diastolic)	1	Cont
14	S14DIASTO1	s14diasto1:w14	s	blood pressure measure (diastolic)	1	Cont
08	R8DIASTO2	r8diasto2:w8	r	blood pressure measure (diastolic)	2	Cont
09	R9DIASTO2	r9diasto2:w9	r	blood pressure measure (diastolic)	2	Cont
10	R10DIASTO2	r10diasto2:w10	r	blood pressure measure (diastolic)	2	Cont
11	R11DIASTO2	r11diasto2:w11	r	blood pressure measure (diastolic)	2	Cont
12	R12DIASTO2	r12diasto2:w12	r	blood pressure measure (diastolic)	2	Cont
13	R13DIASTO2	r13diasto2:w13	r	blood pressure measure (diastolic)	2	Cont
14	R14DIASTO2	r14diasto2:w14	r	blood pressure measure (diastolic)	2	Cont
08	S8DIASTO2	s8diasto2:w8	s	blood pressure measure (diastolic)	2	Cont
09	S9DIASTO2	s9diasto2:w9	s	blood pressure measure (diastolic)	2	Cont
10	S10DIASTO2	s10diasto2:w10	s	blood pressure measure (diastolic)	2	Cont
11	S11DIASTO2	s11diasto2:w11	s	blood pressure measure (diastolic)	2	Cont
12	S12DIASTO2	s12diasto2:w12	s	blood pressure measure (diastolic)	2	Cont
13	S13DIASTO2	s13diasto2:w13	s	blood pressure measure (diastolic)	2	Cont
14	S14DIASTO2	s14diasto2:w14	s	blood pressure measure (diastolic)	2	Cont
08	R8DIASTO3	r8diasto3:w8	r	blood pressure measure (diastolic)	3	Cont
09	R9DIASTO3	r9diasto3:w9	r	blood pressure measure (diastolic)	3	Cont
10	R10DIASTO3	r10diasto3:w10	r	blood pressure measure (diastolic)	3	Cont
11	R11DIASTO3	r11diasto3:w11	r	blood pressure measure (diastolic)	3	Cont
12	R12DIASTO3	r12diasto3:w12	r	blood pressure measure (diastolic)	3	Cont
13	R13DIASTO3	r13diasto3:w13	r	blood pressure measure (diastolic)	3	Cont
14	R14DIASTO3	r14diasto3:w14	r	blood pressure measure (diastolic)	3	Cont
08	S8DIASTO3	s8diasto3:w8	s	blood pressure measure (diastolic)	3	Cont
09	S9DIASTO3	s9diasto3:w9	s	blood pressure measure (diastolic)	3	Cont
10	S10DIASTO3	s10diasto3:w10	s	blood pressure measure (diastolic)	3	Cont
11	S11DIASTO3	s11diasto3:w11	s	blood pressure measure (diastolic)	3	Cont
12	S12DIASTO3	s12diasto3:w12	s	blood pressure measure (diastolic)	3	Cont
13	S13DIASTO3	s13diasto3:w13	s	blood pressure measure (diastolic)	3	Cont
14	S14DIASTO3	s14diasto3:w14	s	blood pressure measure (diastolic)	3	Cont
08	R8DIASTO	r8diasto:w8	r	average blood pressure measure (diastolic)	2 &	Cont
09	R9DIASTO	r9diasto:w9	r	average blood pressure measure (diastolic)	2 &	Cont
10	R10DIASTO	r10diasto:w10	r	average blood pressure measure (diastolic)	2	Cont
11	R11DIASTO	r11diasto:w11	r	average blood pressure measure (diastolic)	2	Cont
12	R12DIASTO	r12diasto:w12	r	average blood pressure measure (diastolic)	2	Cont
13	R13DIASTO	r13diasto:w13	r	average blood pressure measure (diastolic)	2	Cont
14	R14DIASTO	r14diasto:w14	r	average blood pressure measure (diastolic)	2	Cont

08	S8DIASTO	s8diasto:w8	s	average blood pressure measure (diastolic) 2	&	Cont
09	S9DIASTO	s9diasto:w9	s	average blood pressure measure (diastolic) 2	&	Cont
10	S10DIASTO	s10diasto:w10	s	average blood pressure measure (diastolic) 2		Cont
11	S11DIASTO	s11diasto:w11	s	average blood pressure measure (diastolic) 2		Cont
12	S12DIASTO	s12diasto:w12	s	average blood pressure measure (diastolic) 2		Cont
13	S13DIASTO	s13diasto:w13	s	average blood pressure measure (diastolic) 2		Cont
14	S14DIASTO	s14diasto:w14	s	average blood pressure measure (diastolic) 2		Cont
08	R8PULSE1	r8pulse1:w8	r	pulse measure 1		Cont
09	R9PULSE1	r9pulse1:w9	r	pulse measure 1		Cont
10	R10PULSE1	r10pulse1:w10	r	pulse measure 1		Cont
11	R11PULSE1	r11pulse1:w11	r	pulse measure 1		Cont
12	R12PULSE1	r12pulse1:w12	r	pulse measure 1		Cont
13	R13PULSE1	r13pulse1:w13	r	pulse measure 1		Cont
14	R14PULSE1	r14pulse1:w14	r	pulse measure 1		Cont
08	S8PULSE1	s8pulse1:w8	s	pulse measure 1		Cont
09	S9PULSE1	s9pulse1:w9	s	pulse measure 1		Cont
10	S10PULSE1	s10pulse1:w10	s	pulse measure 1		Cont
11	S11PULSE1	s11pulse1:w11	s	pulse measure 1		Cont
12	S12PULSE1	s12pulse1:w12	s	pulse measure 1		Cont
13	S13PULSE1	s13pulse1:w13	s	pulse measure 1		Cont
14	S14PULSE1	s14pulse1:w14	s	pulse measure 1		Cont
08	R8PULSE2	r8pulse2:w8	r	pulse measure 2		Cont
09	R9PULSE2	r9pulse2:w9	r	pulse measure 2		Cont
10	R10PULSE2	r10pulse2:w10	r	pulse measure 2		Cont
11	R11PULSE2	r11pulse2:w11	r	pulse measure 2		Cont
12	R12PULSE2	r12pulse2:w12	r	pulse measure 2		Cont
13	R13PULSE2	r13pulse2:w13	r	pulse measure 2		Cont
14	R14PULSE2	r14pulse2:w14	r	pulse measure 2		Cont
08	S8PULSE2	s8pulse2:w8	s	pulse measure 2		Cont
09	S9PULSE2	s9pulse2:w9	s	pulse measure 2		Cont
10	S10PULSE2	s10pulse2:w10	s	pulse measure 2		Cont
11	S11PULSE2	s11pulse2:w11	s	pulse measure 2		Cont
12	S12PULSE2	s12pulse2:w12	s	pulse measure 2		Cont
13	S13PULSE2	s13pulse2:w13	s	pulse measure 2		Cont
14	S14PULSE2	s14pulse2:w14	s	pulse measure 2		Cont
08	R8PULSE3	r8pulse3:w8	r	pulse measure 3		Cont
09	R9PULSE3	r9pulse3:w9	r	pulse measure 3		Cont
10	R10PULSE3	r10pulse3:w10	r	pulse measure 3		Cont
11	R11PULSE3	r11pulse3:w11	r	pulse measure 3		Cont
12	R12PULSE3	r12pulse3:w12	r	pulse measure 3		Cont
13	R13PULSE3	r13pulse3:w13	r	pulse measure 3		Cont
14	R14PULSE3	r14pulse3:w14	r	pulse measure 3		Cont
08	S8PULSE3	s8pulse3:w8	s	pulse measure 3		Cont
09	S9PULSE3	s9pulse3:w9	s	pulse measure 3		Cont
10	S10PULSE3	s10pulse3:w10	s	pulse measure 3		Cont
11	S11PULSE3	s11pulse3:w11	s	pulse measure 3		Cont
12	S12PULSE3	s12pulse3:w12	s	pulse measure 3		Cont
13	S13PULSE3	s13pulse3:w13	s	pulse measure 3		Cont
14	S14PULSE3	s14pulse3:w14	s	pulse measure 3		Cont
08	R8PULSE	r8pulse:w8	r	average pulse measure 2 & 3		Cont
09	R9PULSE	r9pulse:w9	r	average pulse measure 2 & 3		Cont
10	R10PULSE	r10pulse:w10	r	average pulse measure 2 & 3		Cont
11	R11PULSE	r11pulse:w11	r	average pulse measure 2 & 3		Cont
12	R12PULSE	r12pulse:w12	r	average pulse measure 2 & 3		Cont
13	R13PULSE	r13pulse:w13	r	average pulse measure 2 & 3		Cont
14	R14PULSE	r14pulse:w14	r	average pulse measure 2 & 3		Cont



08	S8PULSE	s8pulse:w8 s average pulse measure 2 & 3	Cont
09	S9PULSE	s9pulse:w9 s average pulse measure 2 & 3	Cont
10	S10PULSE	s10pulse:w10 s average pulse measure 2 & 3	Cont
11	S11PULSE	s11pulse:w11 s average pulse measure 2 & 3	Cont
12	S12PULSE	s12pulse:w12 s average pulse measure 2 & 3	Cont
13	S13PULSE	s13pulse:w13 s average pulse measure 2 & 3	Cont
14	S14PULSE	s14pulse:w14 s average pulse measure 2 & 3	Cont
08	R8BPCOMP	r8bpcomp:w8 r willing and able to complete blood pressure te	Categ
09	R9BPCOMP	r9bpcomp:w9 r willing and able to complete blood pressure te	Categ
10	R10BPCOMP	r10bpcomp:w10 r willing and able to complete blood pressure	Categ
11	R11BPCOMP	r11bpcomp:w11 r willing and able to complete blood pressure	Categ
12	R12BPCOMP	r12bpcomp:w12 r willing and able to complete blood pressure	Categ
13	R13BPCOMP	r13bpcomp:w13 r willing and able to complete blood pressure	Categ
14	R14BPCOMP	r14bpcomp:w14 r willing and able to complete blood pressure	Categ
08	S8BPCOMP	s8bpcomp:w8 s willing and able to complete blood pressure te	Categ
09	S9BPCOMP	s9bpcomp:w9 s willing and able to complete blood pressure te	Categ
10	S10BPCOMP	s10bpcomp:w10 s willing and able to complete blood pressure	Categ
11	S11BPCOMP	s11bpcomp:w11 s willing and able to complete blood pressure	Categ
12	S12BPCOMP	s12bpcomp:w12 s willing and able to complete blood pressure	Categ
13	S13BPCOMP	s13bpcomp:w13 s willing and able to complete blood pressure	Categ
14	S14BPCOMP	s14bpcomp:w14 s willing and able to complete blood pressure	Categ
08	R8BLDPOS	r8bldpos:w8 r position for blood pressure test	Categ
09	R9BLDPOS	r9bldpos:w9 r position for blood pressure test	Categ
10	R10BLDPOS	r10bldpos:w10 r position for blood pressure test	Categ
11	R11BLDPOS	r11bldpos:w11 r position for blood pressure test	Categ
12	R12BLDPOS	r12bldpos:w12 r position for blood pressure test	Categ
13	R13BLDPOS	r13bldpos:w13 r position for blood pressure test	Categ
14	R14BLDPOS	r14bldpos:w14 r position for blood pressure test	Categ
08	S8BLDPOS	s8bldpos:w8 s position for blood pressure test	Categ
09	S9BLDPOS	s9bldpos:w9 s position for blood pressure test	Categ
10	S10BLDPOS	s10bldpos:w10 s position for blood pressure test	Categ
11	S11BLDPOS	s11bldpos:w11 s position for blood pressure test	Categ
12	S12BLDPOS	s12bldpos:w12 s position for blood pressure test	Categ
13	S13BLDPOS	s13bldpos:w13 s position for blood pressure test	Categ
14	S14BLDPOS	s14bldpos:w14 s position for blood pressure test	Categ
08	R8BPACT30	r8bpact30:w8 r did activity in last 30 minutes that affects	Categ
09	R9BPACT30	r9bpact30:w9 r did activity in last 30 minutes that affects	Categ
10	R10BPACT30	r10bpact30:w10 r did activity in last 30 minutes that affect	Categ
11	R11BPACT30	r11bpact30:w11 r did activity in last 30 minutes that affect	Categ
08	S8BPACT30	s8bpact30:w8 s did activity in last 30 minutes that affects	Categ
09	S9BPACT30	s9bpact30:w9 s did activity in last 30 minutes that affects	Categ
10	S10BPACT30	s10bpact30:w10 s did activity in last 30 minutes that affect	Categ
11	S11BPACT30	s11bpact30:w11 s did activity in last 30 minutes that affect	Categ
08	R8BPARM	r8bparm:w8 r arm used for blood pressure test	Categ
09	R9BPARM	r9bparm:w9 r arm used for blood pressure test	Categ
10	R10BPARM	r10bparm:w10 r arm used for blood pressure test	Categ
11	R11BPARM	r11bparm:w11 r arm used for blood pressure test	Categ
12	R12BPARM	r12bparm:w12 r arm used for blood pressure test	Categ
13	R13BPARM	r13bparm:w13 r arm used for blood pressure test	Categ
14	R14BPARM	r14bparm:w14 r arm used for blood pressure test	Categ
08	S8BPARM	s8bparm:w8 s arm used for blood pressure test	Categ
09	S9BPARM	s9bparm:w9 s arm used for blood pressure test	Categ
10	S10BPARM	s10bparm:w10 s arm used for blood pressure test	Categ
11	S11BPARM	s11bparm:w11 s arm used for blood pressure test	Categ

12	S12BPARM	s12bparm:w12	s	arm used for blood pressure test	Categ
13	S13BPARM	s13bparm:w13	s	arm used for blood pressure test	Categ
14	S14BPARM	s14bparm:w14	s	arm used for blood pressure test	Categ
08	R8BPCOMPL	r8bpcompl:w8	r	compliance during blood pressure test	Categ
09	R9BPCOMPL	r9bpcompl:w9	r	compliance during blood pressure test	Categ
10	R10BPCOMPL	r10bpcompl:w10	r	compliance during blood pressure test	Categ
11	R11BPCOMPL	r11bpcompl:w11	r	compliance during blood pressure test	Categ
08	S8BPCOMPL	s8bpcompl:w8	s	compliance during blood pressure test	Categ
09	S9BPCOMPL	s9bpcompl:w9	s	compliance during blood pressure test	Categ
10	S10BPCOMPL	s10bpcompl:w10	s	compliance during blood pressure test	Categ
11	S11BPCOMPL	s11bpcompl:w11	s	compliance during blood pressure test	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8SYSTO1	7423	132.90	21.92	72.00	236.00
R9SYSTO1	6694	133.11	21.71	0.00	236.00
R10SYSTO1	8682	132.38	21.93	0.00	240.00
R11SYSTO1	8252	130.34	21.40	65.00	229.00
R12SYSTO1	7833	130.26	21.31	0.00	239.00
R13SYSTO1	8112	128.87	20.80	0.00	229.00
R14SYSTO1	7086	128.16	20.76	1.00	224.00
S8SYSTO1	4964	131.91	21.19	72.00	225.00
S9SYSTO1	4215	132.22	20.92	72.00	232.00
S10SYSTO1	5501	131.49	21.39	0.00	240.00
S11SYSTO1	5099	129.33	20.48	65.00	227.00
S12SYSTO1	4789	129.20	20.61	0.00	239.00
S13SYSTO1	4757	128.03	20.01	0.00	223.00
S14SYSTO1	4031	127.28	19.87	1.00	224.00
R8SYSTO2	7356	131.20	21.36	66.00	234.00
R9SYSTO2	6607	131.21	21.39	0.00	227.00
R10SYSTO2	8567	130.68	21.65	0.00	237.00
R11SYSTO2	8155	128.87	20.93	0.00	228.00
R12SYSTO2	7758	128.65	20.70	0.00	237.00
R13SYSTO2	8091	127.54	20.22	0.00	227.00
R14SYSTO2	7057	127.19	19.42	1.00	224.00
S8SYSTO2	4923	130.11	20.49	68.00	220.00
S9SYSTO2	4171	130.20	20.63	0.00	227.00
S10SYSTO2	5439	129.73	21.09	0.00	230.00
S11SYSTO2	5052	127.81	19.97	0.00	224.00
S12SYSTO2	4750	127.60	20.05	0.00	232.00
S13SYSTO2	4750	126.78	19.29	0.00	227.00
S14SYSTO2	4018	126.32	18.74	58.00	211.00
R8SYSTO3	7284	130.18	20.78	67.00	229.00
R9SYSTO3	6521	130.08	21.30	0.00	225.00
R10SYSTO3	8463	129.78	21.88	0.00	240.00
R11SYSTO3	8060	128.26	20.43	0.00	240.00
R12SYSTO3	7663	127.66	20.31	0.00	215.00
R13SYSTO3	8040	126.54	19.68	0.00	216.00
R14SYSTO3	7023	126.30	18.84	62.00	213.00
S8SYSTO3	4880	129.19	19.97	72.00	221.00
S9SYSTO3	4122	129.31	20.44	0.00	225.00
S10SYSTO3	5377	128.87	21.04	0.00	240.00
S11SYSTO3	4998	127.28	19.56	0.00	227.00
S12SYSTO3	4700	126.69	19.73	0.00	210.00

S13SYSTO3	4724	125.85	18.64	0.00	210.00
S14SYSTO3	4000	125.43	18.05	62.00	206.00
R8SYSTO	7356	130.73	20.70	68.50	225.00
R9SYSTO	6607	130.72	20.80	0.00	224.00
R10SYSTO	8567	130.28	21.18	0.00	233.00
R11SYSTO	8155	128.63	20.30	0.00	225.50
R12SYSTO	7758	128.25	20.23	0.00	233.50
R13SYSTO	8090	127.15	19.84	0.00	223.50
R14SYSTO	7057	126.82	18.95	60.00	219.50
S8SYSTO	4923	129.67	19.85	72.50	219.00
S9SYSTO	4171	129.82	20.09	0.00	224.00
S10SYSTO	5439	129.34	20.49	0.00	219.00
S11SYSTO	5052	127.59	19.37	0.00	225.50
S12SYSTO	4750	127.24	19.60	0.00	231.50
S13SYSTO	4749	126.39	18.85	0.00	222.50
S14SYSTO	4018	125.93	18.22	60.00	208.50
R8DIASTO1	7410	80.43	12.66	42.00	155.00
R9DIASTO1	6694	80.13	12.55	0.00	145.00
R10DIASTO1	8682	81.24	13.01	0.00	153.00
R11DIASTO1	8252	79.64	12.85	0.00	151.00
R12DIASTO1	7832	79.10	12.48	0.00	151.00
R13DIASTO1	8112	79.29	12.39	0.00	150.00
R14DIASTO1	7069	78.44	12.72	0.00	186.00
S8DIASTO1	4955	80.34	12.25	45.00	144.00
S9DIASTO1	4215	80.02	12.16	6.00	143.00
S10DIASTO1	5501	80.95	12.75	0.00	153.00
S11DIASTO1	5099	79.24	12.39	6.00	151.00
S12DIASTO1	4788	78.96	12.09	0.00	151.00
S13DIASTO1	4757	78.91	11.95	0.00	150.00
S14DIASTO1	4023	78.10	12.26	0.00	150.00
R8DIASTO2	7339	79.40	12.17	41.00	144.00
R9DIASTO2	6607	79.02	12.14	0.00	151.00
R10DIASTO2	8567	80.24	12.76	0.00	156.00
R11DIASTO2	8154	78.76	12.48	0.00	153.00
R12DIASTO2	7758	78.08	12.06	0.00	167.00
R13DIASTO2	8090	78.21	12.08	0.00	140.00
R14DIASTO2	7046	77.50	11.71	0.00	151.00
S8DIASTO2	4911	79.30	11.77	43.00	131.00
S9DIASTO2	4171	79.01	11.79	0.00	133.00
S10DIASTO2	5439	80.01	12.46	0.00	156.00
S11DIASTO2	5051	78.44	12.04	0.00	153.00
S12DIASTO2	4750	77.90	11.77	0.00	167.00
S13DIASTO2	4750	77.91	11.55	0.00	140.00
S14DIASTO2	4012	77.27	11.23	3.00	144.00
R8DIASTO3	7281	78.89	11.87	39.00	140.00
R9DIASTO3	6521	78.35	12.23	0.00	141.00
R10DIASTO3	8463	79.66	13.00	0.00	188.00
R11DIASTO3	8060	78.35	12.26	0.00	153.00
R12DIASTO3	7662	77.58	12.04	0.00	179.00
R13DIASTO3	8039	77.64	11.87	0.00	140.00
R14DIASTO3	7009	76.86	11.41	0.00	140.00
S8DIASTO3	4876	78.82	11.49	39.00	140.00
S9DIASTO3	4122	78.44	11.65	0.00	137.00
S10DIASTO3	5377	79.43	12.59	0.00	188.00
S11DIASTO3	4998	78.06	11.89	0.00	153.00

S12DIASTO3	4700	77.44	11.60	0.00	141.00
S13DIASTO3	4723	77.48	11.36	0.00	140.00
S14DIASTO3	3992	76.64	11.16	0.00	140.00
R8DIASTO	7339	79.17	11.72	41.50	139.00
R9DIASTO	6607	78.73	11.71	0.00	137.50
R10DIASTO	8567	79.98	12.36	0.00	141.50
R11DIASTO	8154	78.59	11.95	0.00	153.00
R12DIASTO	7758	77.89	11.77	0.00	142.00
R13DIASTO	8089	78.00	11.83	0.00	137.50
R14DIASTO	7046	77.25	11.30	3.00	140.00
S8DIASTO	4911	79.08	11.33	44.00	131.50
S9DIASTO	4171	78.76	11.31	0.00	127.50
S10DIASTO	5439	79.75	12.02	0.00	136.50
S11DIASTO	5051	78.27	11.57	0.00	153.00
S12DIASTO	4750	77.74	11.42	0.00	142.00
S13DIASTO	4749	77.74	11.28	0.00	130.00
S14DIASTO	4012	77.02	10.92	26.00	140.00
R8PULSE1	7425	70.88	11.76	32.00	135.00
R9PULSE1	6694	70.54	11.75	0.00	156.00
R10PULSE1	8681	70.31	11.77	0.00	148.00
R11PULSE1	8251	70.51	11.80	37.00	185.00
R12PULSE1	7829	70.38	11.73	0.00	143.00
R13PULSE1	8106	71.00	11.95	0.00	156.00
R14PULSE1	7085	70.19	11.78	2.00	135.00
S8PULSE1	4964	70.46	11.62	32.00	135.00
S9PULSE1	4215	70.11	11.65	34.00	156.00
S10PULSE1	5500	69.83	11.55	0.00	148.00
S11PULSE1	5098	70.01	11.53	37.00	132.00
S12PULSE1	4786	70.02	11.69	0.00	143.00
S13PULSE1	4754	70.43	11.44	0.00	118.00
S14PULSE1	4031	69.76	11.65	2.00	135.00
R8PULSE2	7355	70.44	11.65	35.00	130.00
R9PULSE2	6607	70.08	11.72	0.00	143.00
R10PULSE2	8566	70.08	11.84	0.00	145.00
R11PULSE2	8154	70.24	11.69	0.00	131.00
R12PULSE2	7756	70.17	11.84	0.00	142.00
R13PULSE2	8089	70.78	11.93	0.00	130.00
R14PULSE2	7059	70.08	11.82	3.00	134.00
S8PULSE2	4922	70.07	11.48	36.00	130.00
S9PULSE2	4171	69.73	11.59	0.00	143.00
S10PULSE2	5438	69.67	11.65	0.00	145.00
S11PULSE2	5051	69.79	11.52	0.00	131.00
S12PULSE2	4749	69.74	11.85	0.00	142.00
S13PULSE2	4750	70.29	11.42	0.00	121.00
S14PULSE2	4017	69.73	11.54	7.00	134.00
R8PULSE3	7284	70.57	11.62	35.00	129.00
R9PULSE3	6521	70.06	12.00	0.00	140.00
R10PULSE3	8462	70.06	12.11	0.00	143.00
R11PULSE3	8059	70.31	11.65	0.00	132.00
R12PULSE3	7662	70.22	11.96	0.00	155.00
R13PULSE3	8036	70.80	11.96	0.00	139.00
R14PULSE3	7022	70.12	11.71	1.00	141.00
S8PULSE3	4879	70.23	11.48	35.00	129.00
S9PULSE3	4122	69.85	11.81	0.00	140.00
S10PULSE3	5376	69.72	11.82	0.00	143.00

S11PULSE3	4997	69.86	11.50	0.00	132.00
S12PULSE3	4699	69.85	11.89	0.00	141.00
S13PULSE3	4723	70.38	11.40	0.00	117.00
S14PULSE3	4000	69.75	11.56	1.00	141.00
R8PULSE	7355	70.52	11.50	35.50	129.50
R9PULSE	6607	70.07	11.61	0.00	141.50
R10PULSE	8566	70.08	11.70	0.00	144.00
R11PULSE	8154	70.29	11.52	0.00	131.50
R12PULSE	7755	70.22	11.68	0.00	141.50
R13PULSE	8087	70.78	11.82	0.00	134.50
R14PULSE	7059	70.11	11.53	26.50	130.00
S8PULSE	4922	70.16	11.35	35.50	129.50
S9PULSE	4171	69.79	11.50	0.00	141.50
S10PULSE	5438	69.70	11.45	0.00	144.00
S11PULSE	5051	69.84	11.36	0.00	131.50
S12PULSE	4748	69.82	11.66	0.00	141.50
S13PULSE	4748	70.33	11.28	0.00	117.50
S14PULSE	4017	69.74	11.32	32.00	114.50
R8BPCOMP	7788	0.96	0.20	0.00	1.00
R9BPCOMP	6926	0.97	0.17	0.00	1.00
R10BPCOMP	8978	0.97	0.17	0.00	1.00
R11BPCOMP	8512	0.97	0.16	0.00	1.00
R12BPCOMP	7985	0.98	0.14	0.00	1.00
R13BPCOMP	8320	0.98	0.16	0.00	1.00
R14BPCOMP	7285	0.97	0.16	0.00	1.00
S8BPCOMP	5169	0.96	0.18	0.00	1.00
S9BPCOMP	4335	0.98	0.15	0.00	1.00
S10BPCOMP	5674	0.97	0.17	0.00	1.00
S11BPCOMP	5232	0.98	0.15	0.00	1.00
S12BPCOMP	4855	0.99	0.12	0.00	1.00
S13BPCOMP	4843	0.98	0.13	0.00	1.00
S14BPCOMP	4133	0.98	0.15	0.00	1.00
R8BLDPOS	7433	1.99	0.09	1.00	3.00
R9BLDPOS	6695	1.99	0.10	1.00	3.00
R10BLDPOS	8683	1.99	0.09	1.00	3.00
R11BLDPOS	8254	1.99	0.11	1.00	3.00
R12BLDPOS	7819	1.99	0.11	1.00	3.00
R13BLDPOS	8111	1.99	0.12	1.00	3.00
R14BLDPOS	7088	1.99	0.12	1.00	3.00
S8BLDPOS	4972	1.99	0.09	1.00	3.00
S9BLDPOS	4216	1.99	0.09	1.00	3.00
S10BLDPOS	5502	1.99	0.09	1.00	3.00
S11BLDPOS	5099	1.99	0.11	1.00	3.00
S12BLDPOS	4783	1.99	0.11	1.00	3.00
S13BLDPOS	4757	1.99	0.11	1.00	3.00
S14BLDPOS	4033	1.98	0.13	1.00	3.00
R8BFACT30	7421	0.07	0.26	0.00	1.00
R9BFACT30	6682	0.06	0.23	0.00	1.00
R10BFACT30	8663	0.06	0.24	0.00	1.00
R11BFACT30	8229	0.06	0.23	0.00	1.00
S8BFACT30	4965	0.07	0.26	0.00	1.00
S9BFACT30	4208	0.06	0.23	0.00	1.00
S10BFACT30	5489	0.06	0.23	0.00	1.00
S11BFACT30	5085	0.06	0.23	0.00	1.00

R8BPARM	7431	1.05	0.21	1.00	2.00
R9BPARM	6695	1.04	0.21	1.00	2.00
R10BPARM	8679	1.03	0.18	1.00	2.00
R11BPARM	8253	1.04	0.18	1.00	2.00
R12BPARM	7819	1.03	0.18	1.00	2.00
R13BPARM	8110	1.03	0.18	1.00	2.00
R14BPARM	7088	1.03	0.18	1.00	2.00
S8BPARM	4971	1.04	0.20	1.00	2.00
S9BPARM	4216	1.04	0.19	1.00	2.00
S10BPARM	5499	1.03	0.18	1.00	2.00
S11BPARM	5098	1.03	0.17	1.00	2.00
S12BPARM	4782	1.03	0.17	1.00	2.00
S13BPARM	4757	1.03	0.17	1.00	2.00
S14BPARM	4033	1.03	0.18	1.00	2.00
R8BPCOMPL	7433	1.01	0.11	1.00	3.00
R9BPCOMPL	6695	1.01	0.12	1.00	3.00
R10BPCOMPL	8683	1.01	0.10	1.00	3.00
R11BPCOMPL	8254	1.01	0.11	1.00	3.00
S8BPCOMPL	4972	1.01	0.11	1.00	3.00
S9BPCOMPL	4216	1.01	0.11	1.00	3.00
S10BPCOMPL	5502	1.01	0.09	1.00	3.00
S11BPCOMPL	5099	1.01	0.08	1.00	3.00

### Categorical Variable Codes

Value-----			R8BPCOMP	R9BPCOMP	R10BPCOMP
.m:Missing			6	5	26
.s:Skipped			10675	10286	13030
0.no			333	204	270
1.yes			7455	6722	8708
Value-----		R11BPCOMP	R12BPCOMP	R13BPCOMP	R14BPCOMP
.m:Missing		3	13		
.s:Skipped		12039	10749	12592	9861
0.no		231	165	207	197
1.yes		8281	7820	8113	7088
Value-----			S8BPCOMP	S9BPCOMP	S10BPCOMP
.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			181	105	159
1.yes			4988	4230	5515
Value-----		S11BPCOMP	S12BPCOMP	S13BPCOMP	S14BPCOMP
.m:Missing		1	6		
.s:Skipped		7243	6151	6935	5225
.u:not coupled		7483	7125	8025	6684
.v:SP NR		595	610	1109	1104
0.no		119	72	84	100
1.yes		5113	4783	4759	4033
Value-----			R8BLDPOS	R9BLDPOS	R10BLDPOS
.m:Missing			28	32	51
.n:Not willing/able			333	204	270
.s:Skipped			10675	10286	13030
1.standing			53	56	65
2.sitting			7373	6634	8613
3.lying down			7	5	5
Value-----		R11BLDPOS	R12BLDPOS	R13BLDPOS	R14BLDPOS
.d:DK		1	1	1	
.m:Missing		29	13		
.n:Not willing/able		231	165	207	197
.s:Skipped		12039	10749	12593	9861

1.standing		87	90	98	106	
2.sitting		8155	7722	8002	6976	
3.lying down		12	7	11	6	
Value-----				S8BLDPOS	S9BLDPOS	S10BLDPOS
.m:Missing				18	16	24
.n:Not willing/able				181	105	159
.s:Skipped				6557	6303	7823
.u:not coupled				6424	6212	7804
.v:SP NR				317	365	722
1.standing				34	29	44
2.sitting				4933	4185	5456
3.lying down				5	2	2
Value-----	S11BLDPOS	S12BLDPOS	S13BLDPOS	S14BLDPOS		
.d:DK	1		1			
.m:Missing	14	6				
.n:Not willing/able	119	72	84	100		
.s:Skipped	7243	6151	6936	5225		
.u:not coupled	7483	7125	8025	6684		
.v:SP NR	595	610	1109	1104		
1.standing	54	56	54	66		
2.sitting	5038	4724	4701	3965		
3.lying down	7	3	2	2		
Value-----			R8BPACT30	R9BPACT30	R10BPACT30	
.d:DK			12	13	20	
.m:Missing			28	32	51	
.n:Not willing/able			333	204	270	
.s:Skipped			10675	10286	13030	
0.no			6884	6300	8130	
1.yes			537	382	533	
Value-----	R11BPACT30					
.d:DK	26					
.m:Missing	29					
.n:Not willing/able	231					
.s:Skipped	12039					
0.no	7752					
1.yes	477					
Value-----			S8BPACT30	S9BPACT30	S10BPACT30	
.d:DK			7	8	13	
.m:Missing			18	16	24	
.n:Not willing/able			181	105	159	
.s:Skipped			6557	6303	7823	
.u:not coupled			6424	6212	7804	
.v:SP NR			317	365	722	
0.no			4613	3973	5171	
1.yes			352	235	318	
Value-----	S11BPACT30					
.d:DK	15					
.m:Missing	14					
.n:Not willing/able	119					
.s:Skipped	7243					
.u:not coupled	7483					
.v:SP NR	595					
0.no	4803					
1.yes	282					
Value-----			R8BPARM	R9BPARM	R10BPARM	
.d:DK			1		2	
.m:Missing			28	32	51	
.n:Not willing/able			333	204	270	
.r:Refuse			1		2	
.s:Skipped			10675	10286	13030	
1.left			7083	6399	8395	
2.right			348	296	284	
Value-----	R11BPARM	R12BPARM	R13BPARM	R14BPARM		
.d:DK	2		2			
.m:Missing	29	13				
.n:Not willing/able	231	165	207	197		
.r:Refuse		1				
.s:Skipped	12039	10749	12593	9861		

1.left	7963	7566	7845	6841			
2.right	290	253	265	247			
Value-----			S8BPARM	S9BPARM	S10BPARM		
.d:DK			1		2		
.m:Missing			18	16	24		
.n:Not willing/able			181	105	159		
.r:Refuse					1		
.s:Skipped			6557	6303	7823		
.u:not coupled			6424	6212	7804		
.v:SP NR			317	365	722		
1.left			4762	4057	5322		
2.right			209	159	177		
Value-----	S11BPARM	S12BPARM	S13BPARM	S14BPARM			
.d:DK	2		1				
.m:Missing	14	6					
.n:Not willing/able	119	72	84	100			
.r:Refuse		1					
.s:Skipped	7243	6151	6936	5225			
.u:not coupled	7483	7125	8025	6684			
.v:SP NR	595	610	1109	1104			
1.left	4941	4634	4617	3900			
2.right	157	148	140	133			
Value-----			R8BPCOMPL	R9BPCOMPL	R10BPCOMPL		
.m:Missing			28	32	51		
.n:Not willing/able			333	204	270		
.s:Skipped			10675	10286	13030		
1.compliant			7374	6629	8627		
2.justified non-compliant			49	56	46		
3.unjustified non-compliant			10	10	10		
Value-----	R11BPCOMPL						
.d:DK	1						
.m:Missing	29						
.n:Not willing/able	231						
.s:Skipped	12039						
1.compliant	8203						
2.justified non-compliant	37						
3.unjustified non-compliant	14						
Value-----			S8BPCOMPL	S9BPCOMPL	S10BPCOMPL		
.m:Missing			18	16	24		
.n:Not willing/able			181	105	159		
.s:Skipped			6557	6303	7823		
.u:not coupled			6424	6212	7804		
.v:SP NR			317	365	722		
1.compliant			4935	4184	5473		
2.justified non-compliant			29	27	23		
3.unjustified non-compliant			8	5	6		
Value-----	S11BPCOMPL						
.d:DK	1						
.m:Missing	14						
.n:Not willing/able	119						
.s:Skipped	7243						
.u:not coupled	7483						
.v:SP NR	595						
1.compliant	5076						
2.justified non-compliant	19						
3.unjustified non-compliant	4						

## How Constructed:

RwSYSTO1, RwSYSTO2, and RwSYSTO3 are the respondent's first, second, and third systolic blood pressure readings. RwSYSTO is the average of the second and third systolic blood pressure readings. If the third systolic blood pressure reading is unavailable, then RwSYSTO is the average of the first and second systolic blood pressure readings. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .i is assigned to readings with a value of 300 or more. Special missing .x is assigned if the respondent tried to do the test but was unable to complete it. Special missing .n is assigned if the respondent did not complete the blood pressure measurement due to a variety of reasons, including safety concerns, or the respondent did not understand the



instructions. Special missing .s is employed if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is employed for respondents who did not respond to the current wave.

SwSYSTO1, SwSYSTO2, SwSYSTO3 and SwSYSTO indicate the first, second, third and the average of the second and third systolic blood pressure measurements of the current wave's spouse. The spouse variables are taken from the corresponding respondent variables. In addition to the special missing codes employed by RwsYSTO1, RwsYSTO2, RwsYSTO3 and RwsYSTO, SwSYSTO1, SwSYSTO2, SwSYSTO3 and SwSYSTO employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDIASTO1, RwDIASTO2, RwDIASTO3 are the respondent's first, second, and third diastolic blood pressure readings. RwDIASTO is the average of the second and the third diastolic blood pressure readings. If the third diastolic blood pressure reading is unavailable, then RwDIASTO is the average of the first and second diastolic blood pressure readings. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .i is assigned to readings with a value of 200 or more. Special missing .x is assigned if the respondent tried to do the test but was unable to complete it. Special missing .n is assigned if the respondent did not complete the blood pressure measurement due to a variety of reasons, including safety concerns, or the respondent did not understand the instructions. Special missing .s is employed if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is employed for respondents who did not respond to the current wave.

SwDIASTO1, SwDIASTO2, SwDIASTO3 and SwDIASTO indicate the first, second, third and the average of the second and third diastolic blood pressure readings of the current wave's spouse. The spouse variables are taken from the corresponding respondent variables. In addition to the special missing codes employed by RwDIASTO1, RwDIASTO2, RwDIASTO3, and RwDIASTO, SwDIASTO1, SwDIASTO2, SwDIASTO3 and SwDIASTO employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwPULSE1, RwPULSE2, and RwPULSE3 are the respondent's first, second, and third pulse reading. RwPULSE is the average of the second and the third pulse readings. If the third pulse reading is unavailable, then RwPULSE is the average of the first and second pulse readings. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .i is assigned to readings with a value of 160 or more. Special missing .x is assigned if the respondent tried to do the test but was unable to complete it. Special missing .n is assigned if the respondent did not complete the blood pressure measurement due to a variety of reasons, including safety concerns, or the respondent did not understand the instructions. Special missing .s is employed if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is employed for respondents who did not respond to the current wave.

SwPULSE1, SwPULSE2, SwPULSE3 and SwPULSE indicate the first, second, third and the average of the second and third pulse readings for the current wave's spouse. The spouse variables are taken from the corresponding respondent variables. In addition to the special missing codes employed by RwPULSE1, RwPULSE2, RwPULSE3 and RwPULSE, SwPULSE1, SwPULSE2, SwPULSE3 and SwPULSE employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that some extreme values may remain in these variables and have been left to the discretion of the user. It may be useful to reference the following document for further consideration: [Physical Measures And Biomarkers](#).

RwBPCOMP indicates whether the respondent is willing and able to complete the blood pressure tests. RwBPCOMP is coded as 1 if the respondent did not signal having a rash, a cast, edema in the arm, open sores or wounds, or a significant bruise in contact with the blood pressure cuff, the respondent understood the directions for the test, the respondent felt it would be safe to complete the test, and the respondent completed at least one blood pressure measurement. RwBPCOMP is coded as 0 if the

respondent had a rash, a cast, edema, open sores or wounds, or significant bruises in contact with the blood pressure cuff, the respondent did not understand the instructions, expressed safety concerns, or did not complete any blood pressure measurements. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. This measure is set to plain missing (.) for respondents who did not respond to the current wave.

SwBPCOMP indicates the respondent's current wave's spouse's ability to complete the blood pressure tests, and is taken from RwBPCOMP. In addition to the special missing codes employed by RwBPCOMP, SwBPCOMP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwBLDPOS indicates the position the respondent was in for the blood pressure tests. RwBLDPOS is coded as follows: 1.standing, 2.sitting, and 3.lying down. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the blood pressure measurement due to a variety of reasons, including safety concerns, or the respondent did not understand the instructions. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. RwBLDPOS is set to plain missing (.) for respondents who did not respond to the current wave.

SwBLDPOS indicates the respondent's current wave's spouse's position for the blood pressure tests, and is taken from RwBLDPOS. In addition to the special missing codes employed by RwBLDPOS, SwBLDPOS employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwBPACT30 indicates whether the respondent has eaten, smoked, drunk alcohol, or done any vigorous exercise within the 30 minutes prior to completing the blood pressure test, which may affect the validity of the measurements. RwBPACT30 is assigned a 0 if the respondent has not done any of these activities in the last 30 minutes, and assigned a 1 if the respondent has done any of these activities in the last 30 minutes. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete at least one blood pressure measurement due to a variety of reasons, including safety concerns, or the respondent did not understand the instructions. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. This measure is set to plain missing (.) for respondents who did not respond to the current wave.

SwBPACT30 indicates whether the respondent's current wave's spouse ate, smoked, drank alcohol, or did any vigorous activity in the last 30 minutes and its values take from RwBPACT30. In addition to the special missing codes employed by RwBPACT30, SwBPACT30 employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwBPARM indicates the arm used by the respondent for the blood pressure tests. RwBPARM is coded as follows: 1.left arm and 2.right arm. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the blood pressure measurement due to a variety of reasons, including safety concerns, or the respondent did not understand the instructions. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. RwBPARM is set to plain missing (.) for respondents who did not respond to the current wave.

SwBPARM indicates the respondent's current wave's spouse's arm used for the blood pressure tests, and is taken from RwBPARM. In addition to the special missing codes employed by RwBPARM, SwBPARM employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwBPCOMPL indicates the level of compliance displayed by the respondent during the blood pressure tests. RwBPCOMPL is coded as follows: 1.compliant if respondents are fully compliant, 2.justified non-compliant if their non-compliance is justified by illness, pain or other symptoms or discomfort and 3.unjustified non-compliant if their non-compliance is due to no obvious reason. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the blood pressure measurement due to a variety of reasons, including safety concerns, or the respondent did not understand the instructions. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. RwBPCOMPL is set to plain missing (.) for respondents who did not respond to the current wave.

SwBPCOMPL indicates the respondent's current wave's spouse's compliance level during the blood pressure tests, and is taken from RwBPCOMPL. In addition to the special missing codes employed by RwBPCOMPL, SwBPCOMPL employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

These measurements are performed starting in Wave 8.

Starting in Wave 12, there are additional screening questions asking about the condition of the respondent's arms and their understanding of the directions and feelings of safety in completing the tests which determine whether the respondent participates in the blood pressure tests.

Respondents are no longer asked about having eaten, smoked, drunk alcohol, or done vigorous physical activity in the last 30 minutes and interviewers are no longer asked to describe the respondent's compliance starting in Wave 12.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

## HRS Variables Used:

### Wave 8:

KA028	r in nursing home
KI800	physical measures ftf iw
KI802	physical measures consent form
KI854	blood pressure complete
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
KI870	bloodpressure 3 diastolic
KI871	bloodpressure 3 pulse
KI872	bloodpressure arm
KI873	bloodpressure compliance
KI874	bloodpressure position
KI875	bloodpressure smoke etc

### Wave 9:

LA028	r in nursing home
LI800	physical measures ftf iw
LI802	physical measures consent form
LI854	blood pressure complete
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  
LI872 bloodpressure arm  
LI873 bloodpressure compliance  
LI874 bloodpressure position  
LI875 bloodpressure smoke etc

Wave 10:

MA028 r in nursing home  
MI800 physical measures ftf iw  
MI802 physical measures consent  
MI854 blood pressure complete  
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  
MI872 bloodpressure arm  
MI873 bloodpressure compliance  
MI874 bloodpressure position  
MI875 bloodpressure smoke etc

Wave 11:

NA028 r in nursing home  
NI800 physical measures ftf iw  
NI802 physical measures consent  
NI854 blood pressure complete  
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  
NI872 bloodpressure arm  
NI873 bloodpressure compliance  
NI874 bloodpressure position  
NI875 bloodpressure smoke etc

Wave 12:

OA028 r in nursing home  
OI662 bp screening question, left arm  
OI663 bp screening question, right arm  
OI800 physical measures ftf iw  
OI802 physical measures consent  
OI854 blood pressure complete  
OI859 bloodpressure 1 systolic  
OI860 bloodpressure 1 diastolic  
OI861 bloodpressure 1 pulse  
OI864 bloodpressure 2 systolic  
OI865 bloodpressure 2 diastolic  
OI866 bloodpressure 2 pulse  
OI869 bloodpressure 3 systolic  
OI870 bloodpressure 3 diastolic  
OI871 bloodpressure 3 pulse  
OI872 bloodpressure arm  
OI874 bloodpressure position  
OI961 r understanding of bp procedure & safety

Wave 13:

PA028 r in nursing home  
PI662 bp screening question, left arm  
PI663 bp screening question, right arm  
PI800 physical measures ftf iw  
PI802 physical measures consent  
PI854 blood pressure complete  
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  
PI872 bloodpressure arm  
PI874 bloodpressure position  
PI961 r understanding of bp procedure & safety

## Wave 14:

QA028 r in nursing home  
QI662 bp screening question, left arm  
QI663 bp screening question, right arm  
QI800 physical measures ftf iw  
QI802 physical measures consent  
QI854 blood pressure complete  
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  
QI872 bloodpressure arm  
QI874 bloodpressure position  
QI961 r understanding of bp procedure & safety

<b>Blood Pressure and Heart Rate Measurements: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
08	R8BPSFT	r8bpsft:w8 r didn't complete bp: unsafe/health reason	Categ
09	R9BPSFT	r9bpsft:w9 r didn't complete bp: unsafe/health reason	Categ
10	R10BPSFT	r10bpsft:w10 r didn't complete bp: unsafe/health reason	Categ
11	R11BPSFT	r11bpsft:w11 r didn't complete bp: unsafe/health reason	Categ
12	R12BPSFT	r12bpsft:w12 r didn't complete bp: unsafe/health reason	Categ
13	R13BPSFT	r13bpsft:w13 r didn't complete bp: unsafe/health reason	Categ
14	R14BPSFT	r14bpsft:w14 r didn't complete bp: unsafe/health reason	Categ
08	S8BPSFT	s8bpsft:w8 s didn't complete bp: unsafe/health reason	Categ
09	S9BPSFT	s9bpsft:w9 s didn't complete bp: unsafe/health reason	Categ
10	S10BPSFT	s10bpsft:w10 s didn't complete bp: unsafe/health reason	Categ
11	S11BPSFT	s11bpsft:w11 s didn't complete bp: unsafe/health reason	Categ
12	S12BPSFT	s12bpsft:w12 s didn't complete bp: unsafe/health reason	Categ
13	S13BPSFT	s13bpsft:w13 s didn't complete bp: unsafe/health reason	Categ
14	S14BPSFT	s14bpsft:w14 s didn't complete bp: unsafe/health reason	Categ
08	R8BPREF	r8bpref:w8 r didn't complete bp: refused	Categ
09	R9BPREF	r9bpref:w9 r didn't complete bp: refused	Categ
10	R10BPREF	r10bpref:w10 r didn't complete bp: refused	Categ
11	R11BPREF	r11bpref:w11 r didn't complete bp: refused	Categ
12	R12BPREF	r12bpref:w12 r didn't complete bp: refused	Categ
13	R13BPREF	r13bpref:w13 r didn't complete bp: refused	Categ
14	R14BPREF	r14bpref:w14 r didn't complete bp: refused	Categ
08	S8BPREF	s8bpref:w8 s didn't complete bp: refused	Categ
09	S9BPREF	s9bpref:w9 s didn't complete bp: refused	Categ
10	S10BPREF	s10bpref:w10 s didn't complete bp: refused	Categ
11	S11BPREF	s11bpref:w11 s didn't complete bp: refused	Categ
12	S12BPREF	s12bpref:w12 s didn't complete bp: refused	Categ
13	S13BPREF	s13bpref:w13 s didn't complete bp: refused	Categ
14	S14BPREF	s14bpref:w14 s didn't complete bp: refused	Categ
08	R8BPTRYU	r8bptryu:w8 r didn't complete bp: tried but unable	Categ
09	R9BPTRYU	r9bptryu:w9 r didn't complete bp: tried but unable	Categ
10	R10BPTRYU	r10bptryu:w10 r didn't complete bp: tried but unable	Categ
11	R11BPTRYU	r11bptryu:w11 r didn't complete bp: tried but unable	Categ
12	R12BPTRYU	r12bptryu:w12 r didn't complete bp: tried but unable	Categ
13	R13BPTRYU	r13bptryu:w13 r didn't complete bp: tried but unable	Categ
14	R14BPTRYU	r14bptryu:w14 r didn't complete bp: tried but unable	Categ
08	S8BPTRYU	s8bptryu:w8 s didn't complete bp: tried but unable	Categ
09	S9BPTRYU	s9bptryu:w9 s didn't complete bp: tried but unable	Categ
10	S10BPTRYU	s10bptryu:w10 s didn't complete bp: tried but unable	Categ
11	S11BPTRYU	s11bptryu:w11 s didn't complete bp: tried but unable	Categ
12	S12BPTRYU	s12bptryu:w12 s didn't complete bp: tried but unable	Categ
13	S13BPTRYU	s13bptryu:w13 s didn't complete bp: tried but unable	Categ
14	S14BPTRYU	s14bptryu:w14 s didn't complete bp: tried but unable	Categ
08	R8BPEQUP	r8bpequp:w8 r didn't complete bp: faulty equipment/space iss	Categ
09	R9BPEQUP	r9bpequp:w9 r didn't complete bp: faulty equipment/space iss	Categ
10	R10BPEQUP	r10bpequp:w10 r didn't complete bp: faulty equipment/space i	Categ
11	R11BPEQUP	r11bpequp:w11 r didn't complete bp: faulty equipment/space i	Categ
12	R12BPEQUP	r12bpequp:w12 r didn't complete bp: faulty equipment/space i	Categ
13	R13BPEQUP	r13bpequp:w13 r didn't complete bp: faulty equipment/space i	Categ
14	R14BPEQUP	r14bpequp:w14 r didn't complete bp: faulty equipment/space i	Categ
08	S8BPEQUP	s8bpequp:w8 s didn't complete bp: faulty equipment/space iss	Categ

09	S9BPEQUP	s9bpequp:w9	s	didn't complete bp: faulty equipment/space iss	Categ
10	S10BPEQUP	s10bpequp:w10	s	didn't complete bp: faulty equipment/space i	Categ
11	S11BPEQUP	s11bpequp:w11	s	didn't complete bp: faulty equipment/space i	Categ
12	S12BPEQUP	s12bpequp:w12	s	didn't complete bp: faulty equipment/space i	Categ
13	S13BPEQUP	s13bpequp:w13	s	didn't complete bp: faulty equipment/space i	Categ
14	S14BPEQUP	s14bpequp:w14	s	didn't complete bp: faulty equipment/space i	Categ
08	R8BPOTHR	r8bpothr:w8	r	didn't complete bp: other reason	Categ
09	R9BPOTHR	r9bpothr:w9	r	didn't complete bp: other reason	Categ
10	R10BPOTHR	r10bpothr:w10	r	didn't complete bp: other reason	Categ
11	R11BPOTHR	r11bpothr:w11	r	didn't complete bp: other reason	Categ
12	R12BPOTHR	r12bpothr:w12	r	didn't complete bp: other reason	Categ
13	R13BPOTHR	r13bpothr:w13	r	didn't complete bp: other reason	Categ
14	R14BPOTHR	r14bpothr:w14	r	didn't complete bp: other reason	Categ
08	S8BPOTHR	s8bpothr:w8	s	didn't complete bp: other reason	Categ
09	S9BPOTHR	s9bpothr:w9	s	didn't complete bp: other reason	Categ
10	S10BPOTHR	s10bpothr:w10	s	didn't complete bp: other reason	Categ
11	S11BPOTHR	s11bpothr:w11	s	didn't complete bp: other reason	Categ
12	S12BPOTHR	s12bpothr:w12	s	didn't complete bp: other reason	Categ
13	S13BPOTHR	s13bpothr:w13	s	didn't complete bp: other reason	Categ
14	S14BPOTHR	s14bpothr:w14	s	didn't complete bp: other reason	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8BPSFT	345	0.15	0.36	0.00	1.00
R9BPSFT	215	0.23	0.42	0.00	1.00
R10BPSFT	269	0.24	0.43	0.00	1.00
R11BPSFT	244	0.25	0.43	0.00	1.00
R12BPSFT	164	0.23	0.42	0.00	1.00
R13BPSFT	207	0.23	0.42	0.00	1.00
R14BPSFT	197	0.22	0.41	0.00	1.00
S8BPSFT	191	0.15	0.36	0.00	1.00
S9BPSFT	113	0.22	0.42	0.00	1.00
S10BPSFT	159	0.21	0.41	0.00	1.00
S11BPSFT	127	0.27	0.44	0.00	1.00
S12BPSFT	71	0.23	0.42	0.00	1.00
S13BPSFT	84	0.15	0.36	0.00	1.00
S14BPSFT	100	0.22	0.42	0.00	1.00
R8BPREF	345	0.56	0.50	0.00	1.00
R9BPREF	215	0.45	0.50	0.00	1.00
R10BPREF	269	0.17	0.37	0.00	1.00
R11BPREF	244	0.29	0.45	0.00	1.00
R12BPREF	164	0.21	0.41	0.00	1.00
R13BPREF	207	0.25	0.43	0.00	1.00
R14BPREF	197	0.23	0.42	0.00	1.00
S8BPREF	191	0.56	0.50	0.00	1.00
S9BPREF	113	0.55	0.50	0.00	1.00
S10BPREF	159	0.19	0.40	0.00	1.00
S11BPREF	127	0.33	0.47	0.00	1.00
S12BPREF	71	0.27	0.45	0.00	1.00
S13BPREF	84	0.31	0.47	0.00	1.00
S14BPREF	100	0.21	0.41	0.00	1.00
R8BPTRYU	315	0.21	0.41	0.00	1.00
R9BPTRYU	215	0.17	0.37	0.00	1.00
R10BPTRYU	269	0.30	0.46	0.00	1.00
R11BPTRYU	244	0.22	0.41	0.00	1.00

R12BPTRYU	164	0.32	0.47	0.00	1.00
R13BPTRYU	207	0.23	0.42	0.00	1.00
R14BPTRYU	197	0.22	0.42	0.00	1.00
S8BPTRYU	178	0.20	0.40	0.00	1.00
S9BPTRYU	113	0.18	0.38	0.00	1.00
S10BPTRYU	159	0.27	0.45	0.00	1.00
S11BPTRYU	127	0.19	0.39	0.00	1.00
S12BPTRYU	71	0.28	0.45	0.00	1.00
S13BPTRYU	84	0.19	0.40	0.00	1.00
S14BPTRYU	100	0.20	0.40	0.00	1.00
R8BPEQUP	345	0.18	0.39	0.00	1.00
R9BPEQUP	215	0.34	0.47	0.00	1.00
R10BPEQUP	269	0.48	0.50	0.00	1.00
R11BPEQUP	244	0.45	0.50	0.00	1.00
R12BPEQUP	164	0.49	0.50	0.00	1.00
R13BPEQUP	207	0.47	0.50	0.00	1.00
R14BPEQUP	197	0.48	0.50	0.00	1.00
S8BPEQUP	191	0.17	0.37	0.00	1.00
S9BPEQUP	113	0.27	0.45	0.00	1.00
S10BPEQUP	159	0.48	0.50	0.00	1.00
S11BPEQUP	127	0.40	0.49	0.00	1.00
S12BPEQUP	71	0.46	0.50	0.00	1.00
S13BPEQUP	84	0.51	0.50	0.00	1.00
S14BPEQUP	100	0.47	0.50	0.00	1.00
R8BPOTHR	345	0.06	0.24	0.00	1.00
R9BPOTHR	215	0.02	0.15	0.00	1.00
R10BPOTHR	269	0.04	0.19	0.00	1.00
R11BPOTHR	244	0.02	0.13	0.00	1.00
R12BPOTHR	164	0.03	0.17	0.00	1.00
R13BPOTHR	207	0.05	0.21	0.00	1.00
R14BPOTHR	197	0.09	0.28	0.00	1.00
S8BPOTHR	191	0.08	0.27	0.00	1.00
S9BPOTHR	113	0.01	0.09	0.00	1.00
S10BPOTHR	159	0.04	0.19	0.00	1.00
S11BPOTHR	127	0.02	0.12	0.00	1.00
S12BPOTHR	71	0.03	0.17	0.00	1.00
S13BPOTHR	84	0.01	0.11	0.00	1.00
S14BPOTHR	100	0.12	0.33	0.00	1.00

### Categorical Variable Codes

Value-----	R8BPSFT	R9BPSFT	R10BPSFT
.c:completed test	7442	6711	8708
.d:DK	1		
.m:Missing	6	5	26
.r:Refuse			1
.s:Skipped	10675	10286	13030
0.no	292	166	204
1.yes	53	49	65

Value-----	R11BPSFT	R12BPSFT	R13BPSFT	R14BPSFT
.c:completed test	8268	7820	8113	7088
.m:Missing	3	13		
.r:Refuse		1		
.s:Skipped	12039	10749	12592	9861
0.no	183	126	160	154
1.yes	61	38	47	43

Value-----	S8BPSFT	S9BPSFT	S10BPSFT
.c:completed test	4978	4222	5515



.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			162	88	125
1.yes			29	25	34

Value-----	S11BPSFT	S12BPSFT	S13BPSFT	S14BPSFT
.c:completed test	5105	4783	4759	4033
.m:Missing	1	6		
.r:Refuse		1		
.s:Skipped	7243	6151	6935	5225
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	93	55	71	78
1.yes	34	16	13	22

Value-----	R8BPREF	R9BPREF	R10BPREF
.c:completed test	7442	6711	8708
.d:DK	1		
.m:Missing	6	5	26
.r:Refuse			1
.s:Skipped	10675	10286	13030
0.no	152	119	224
1.yes	193	96	45

Value-----	R11BPREF	R12BPREF	R13BPREF	R14BPREF
.c:completed test	8268	7820	8113	7088
.m:Missing	3	13		
.r:Refuse		1		
.s:Skipped	12039	10749	12592	9861
0.no	174	129	156	152
1.yes	70	35	51	45

Value-----	S8BPREF	S9BPREF	S10BPREF
.c:completed test	4978	4222	5515
.m:Missing	2	2	11
.s:Skipped	6557	6303	7823
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
0.no	84	51	128
1.yes	107	62	31

Value-----	S11BPREF	S12BPREF	S13BPREF	S14BPREF
.c:completed test	5105	4783	4759	4033
.m:Missing	1	6		
.r:Refuse		1		
.s:Skipped	7243	6151	6935	5225
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	85	52	58	79
1.yes	42	19	26	21

Value-----	R8BPTRYU	R9BPTRYU	R10BPTRYU
.c:completed test	7442	6711	8708
.d:DK	1		
.m:Missing	36	5	26
.r:Refuse			1
.s:Skipped	10675	10286	13030
0.no	250	179	189
1.yes	65	36	80

Value-----	R11BPTRYU	R12BPTRYU	R13BPTRYU	R14BPTRYU
.c:completed test	8268	7820	8113	7088
.m:Missing	3	13		
.r:Refuse		1		
.s:Skipped	12039	10749	12592	9861
0.no	191	112	160	153
1.yes	53	52	47	44

Value-----	S8BPTRYU	S9BPTRYU	S10BPTRYU
.c:completed test	4978	4222	5515
.m:Missing	15	2	11
.s:Skipped	6557	6303	7823
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722

0.no			142	93	116
1.yes			36	20	43
Value-----	S11BPTRYU	S12BPTRYU	S13BPTRYU	S14BPTRYU	
.c:completed test	5105	4783	4759	4033	
.m:Missing	1	6			
.r:Refuse		1			
.s:Skipped	7243	6151	6935	5225	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	103	51	68	80	
1.yes	24	20	16	20	
Value-----			R8BPEQUP	R9BPEQUP	R10BPEQUP
.c:completed test			7442	6711	8708
.d:DK			1		
.m:Missing			6	5	26
.r:Refuse					1
.s:Skipped			10675	10286	13030
0.no			282	142	139
1.yes			63	73	130
Value-----	R11BPEQUP	R12BPEQUP	R13BPEQUP	R14BPEQUP	
.c:completed test	8268	7820	8113	7088	
.m:Missing	3	13			
.r:Refuse		1			
.s:Skipped	12039	10749	12592	9861	
0.no	133	84	110	102	
1.yes	111	80	97	95	
Value-----			S8BPEQUP	S9BPEQUP	S10BPEQUP
.c:completed test			4978	4222	5515
.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			159	82	83
1.yes			32	31	76
Value-----	S11BPEQUP	S12BPEQUP	S13BPEQUP	S14BPEQUP	
.c:completed test	5105	4783	4759	4033	
.m:Missing	1	6			
.r:Refuse		1			
.s:Skipped	7243	6151	6935	5225	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	76	38	41	53	
1.yes	51	33	43	47	
Value-----			R8BPOTHR	R9BPOTHR	R10BPOTHR
.c:completed test			7442	6711	8708
.d:DK			1		
.m:Missing			6	5	26
.r:Refuse					1
.s:Skipped			10675	10286	13030
0.no			323	210	259
1.yes			22	5	10
Value-----	R11BPOTHR	R12BPOTHR	R13BPOTHR	R14BPOTHR	
.c:completed test	8268	7820	8113	7088	
.m:Missing	3	13			
.r:Refuse		1			
.s:Skipped	12039	10749	12592	9861	
0.no	240	159	197	180	
1.yes	4	5	10	17	
Value-----			S8BPOTHR	S9BPOTHR	S10BPOTHR
.c:completed test			4978	4222	5515
.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			176	112	153
1.yes			15	1	6
Value-----	S11BPOTHR	S12BPOTHR	S13BPOTHR	S14BPOTHR	

.c:completed test		5105	4783	4759	4033
.m:Missing		1	6		
.r:Refuse			1		
.s:Skipped		7243	6151	6935	5225
.u:not coupled		7483	7125	8025	6684
.v:SP NR		595	610	1109	1104
0.no		125	69	83	88
1.yes		2	2	1	12

### How Constructed:

RwBPSFT, RwBPREF, RwbPTRYU, RwbPEQUP, and RwbPOTHR indicate the reasons for the respondent not taking part in the blood pressure test as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the blood pressure test. RwBPSFT indicates whether the respondent did not participate in the blood pressure test because they felt it would not be safe, the interviewer felt it would be unsafe, because the respondent had a rash, cast, edema, open sores or wounds, or a significant bruise where the blood pressure cuff would contact the respondent's arm, or for another health reason. RwBPREF indicates whether the respondent did not participate in the blood pressure test because they refused, with no reason given. RwbPTRYU indicates whether the respondent did not participate in the blood pressure test because they tried but were unable to complete the test. RwbPEQUP indicates whether the respondent did not participate in the blood pressure test because of either problems with equipment/supplies or not having a suitable space to perform the test. RwbPOTHR indicates whether the respondent did not participate in the blood pressure test because either they did not understand the instructions or because of another reason. RwBPSFT, RwBPREF, RwbPTRYU, RwbPEQUP, and RwbPOTHR are coded as 0 if the specific reason was not given for the respondent not completing the blood pressure test, and are coded as 1 if the specific reason was given. Don't know, refuse, and other missing responses to RwBPSFT, RwBPREF, RwbPTRYU, RwbPEQUP, and RwbPOTHR are set to special missing .d, .r, and .m, respectively. Special missing .c is assigned if the respondent completed at least one of the blood pressure tests. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwBPSFT, SwBPREF, SwBPTRYU, SwBPEQUP, and SwBPOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the blood pressure test, and their values are taken from the spouse's values to RwBPSFT, RwBPREF, RwbPTRYU, RwbPEQUP, and RwbPOTHR. In addition to the special missing codes employed by RwBPSFT, RwBPREF, RwbPTRYU, RwbPEQUP, and RwbPOTHR, SwBPSFT, SwBPREF, SwBPTRYU, SwBPEQUP, and SwBPOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

Blood pressure measurements are performed starting in Wave 8.

The wording of one of the options used to create RwBPSFT changes slightly over the waves. In Wave 8, the wording is "R had a rash, a cast, edema, open sores or wounds, or significant bruise where the blood cuff would contact R's arm; other health reason". In Waves 9 through 11, the wording is "R had a rash, cast, edema, etc. on arm; other health reason". Starting in Wave 12, the wording is "R had a rash, a cast, edema, open sores or wounds, or significant bruise where the blood cuff would contact R's arm".

The wording of one of the options used to create RwbPEQUP is different in Wave 8. In Wave 8, the wording is "unsuitable location", whereas starting in Wave 9, the wording is "no suitable space".

Starting in Wave 12, there are additional screening questions asking about the condition of the respondent's arms and their understanding of the directions and feelings of safety in completing the tests which determine whether the respondent participates in the blood pressure tests.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

### HRS Variables Used:

Wave 8:

KI854	blood pressure complete
KI855M1	blood pressure not complete-1
KI855M2	blood pressure not complete-2
KI855M3	blood pressure not complete-3
KI855M4	blood pressure not complete-4
Wave 9:	
LI854	blood pressure complete
LI855M1	blood pressure not complete-1
LI855M2	blood pressure not complete-2
LI855M3	blood pressure not complete-3
LI855M4	blood pressure not complete-4
Wave 10:	
MI854	blood pressure complete
MI855M1	blood pressure not complete-1
MI855M2	blood pressure not complete-2
MI855M3	blood pressure not complete-3
MI855M4	blood pressure not complete-4
Wave 11:	
NI854	blood pressure complete
NI855M1	blood pressure not complete-1
NI855M2	blood pressure not complete-2
NI855M3	blood pressure not complete-3
NI855M4	blood pressure not complete-4
Wave 12:	
OI854	blood pressure complete
OI855M1	blood pressure not complete-1
OI855M2	blood pressure not complete-2
OI855M3	blood pressure not complete-3
OI855M4	blood pressure not complete-4
Wave 13:	
PI854	blood pressure complete
PI855M1	blood pressure not complete-1
PI855M2	blood pressure not complete-2
PI855M3	blood pressure not complete-3
PI855M4	blood pressure not complete-4
Wave 14:	
QI854	blood pressure complete
QI855M1	blood pressure not complete-1
QI855M2	blood pressure not complete-2
QI855M3	blood pressure not complete-3
QI855M4	blood pressure not complete-4

<b>Lung Function Measurements (Peak Flow)</b>
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Wave	Variable	Label	Type
07	R7PUFF1	r7puff1:w7 r lung function peak flow 1	Cont
08	R8PUFF1	r8puff1:w8 r lung function peak flow 1	Cont
09	R9PUFF1	r9puff1:w9 r lung function peak flow 1	Cont
10	R10PUFF1	r10puff1:w10 r lung function peak flow 1	Cont
11	R11PUFF1	r11puff1:w11 r lung function peak flow 1	Cont
12	R12PUFF1	r12puff1:w12 r lung function peak flow 1	Cont
13	R13PUFF1	r13puff1:w13 r lung function peak flow 1	Cont
14	R14PUFF1	r14puff1:w14 r lung function peak flow 1	Cont
07	S7PUFF1	s7puff1:w7 s lung function peak flow 1	Cont
08	S8PUFF1	s8puff1:w8 s lung function peak flow 1	Cont
09	S9PUFF1	s9puff1:w9 s lung function peak flow 1	Cont
10	S10PUFF1	s10puff1:w10 s lung function peak flow 1	Cont
11	S11PUFF1	s11puff1:w11 s lung function peak flow 1	Cont
12	S12PUFF1	s12puff1:w12 s lung function peak flow 1	Cont
13	S13PUFF1	s13puff1:w13 s lung function peak flow 1	Cont
14	S14PUFF1	s14puff1:w14 s lung function peak flow 1	Cont
07	R7PUFF2	r7puff2:w7 r lung function peak flow 2	Cont
08	R8PUFF2	r8puff2:w8 r lung function peak flow 2	Cont
09	R9PUFF2	r9puff2:w9 r lung function peak flow 2	Cont
10	R10PUFF2	r10puff2:w10 r lung function peak flow 2	Cont
11	R11PUFF2	r11puff2:w11 r lung function peak flow 2	Cont
12	R12PUFF2	r12puff2:w12 r lung function peak flow 2	Cont
13	R13PUFF2	r13puff2:w13 r lung function peak flow 2	Cont
14	R14PUFF2	r14puff2:w14 r lung function peak flow 2	Cont
07	S7PUFF2	s7puff2:w7 s lung function peak flow 2	Cont
08	S8PUFF2	s8puff2:w8 s lung function peak flow 2	Cont
09	S9PUFF2	s9puff2:w9 s lung function peak flow 2	Cont
10	S10PUFF2	s10puff2:w10 s lung function peak flow 2	Cont
11	S11PUFF2	s11puff2:w11 s lung function peak flow 2	Cont
12	S12PUFF2	s12puff2:w12 s lung function peak flow 2	Cont
13	S13PUFF2	s13puff2:w13 s lung function peak flow 2	Cont
14	S14PUFF2	s14puff2:w14 s lung function peak flow 2	Cont
07	R7PUFF3	r7puff3:w7 r lung function peak flow 3	Cont
08	R8PUFF3	r8puff3:w8 r lung function peak flow 3	Cont
09	R9PUFF3	r9puff3:w9 r lung function peak flow 3	Cont
10	R10PUFF3	r10puff3:w10 r lung function peak flow 3	Cont
11	R11PUFF3	r11puff3:w11 r lung function peak flow 3	Cont
12	R12PUFF3	r12puff3:w12 r lung function peak flow 3	Cont
13	R13PUFF3	r13puff3:w13 r lung function peak flow 3	Cont
14	R14PUFF3	r14puff3:w14 r lung function peak flow 3	Cont
07	S7PUFF3	s7puff3:w7 s lung function peak flow 3	Cont
08	S8PUFF3	s8puff3:w8 s lung function peak flow 3	Cont
09	S9PUFF3	s9puff3:w9 s lung function peak flow 3	Cont
10	S10PUFF3	s10puff3:w10 s lung function peak flow 3	Cont
11	S11PUFF3	s11puff3:w11 s lung function peak flow 3	Cont
12	S12PUFF3	s12puff3:w12 s lung function peak flow 3	Cont
13	S13PUFF3	s13puff3:w13 s lung function peak flow 3	Cont
14	S14PUFF3	s14puff3:w14 s lung function peak flow 3	Cont
07	R7PUFF	r7puff:w7 r maximum lung function peak flow	Cont
08	R8PUFF	r8puff:w8 r maximum lung function peak flow	Cont
09	R9PUFF	r9puff:w9 r maximum lung function peak flow	Cont

10	R10PUFF	r10puff:w10	r	maximum lung function peak flow	Cont
11	R11PUFF	r11puff:w11	r	maximum lung function peak flow	Cont
12	R12PUFF	r12puff:w12	r	maximum lung function peak flow	Cont
13	R13PUFF	r13puff:w13	r	maximum lung function peak flow	Cont
14	R14PUFF	r14puff:w14	r	maximum lung function peak flow	Cont
07	S7PUFF	s7puff:w7	s	maximum lung function peak flow	Cont
08	S8PUFF	s8puff:w8	s	maximum lung function peak flow	Cont
09	S9PUFF	s9puff:w9	s	maximum lung function peak flow	Cont
10	S10PUFF	s10puff:w10	s	maximum lung function peak flow	Cont
11	S11PUFF	s11puff:w11	s	maximum lung function peak flow	Cont
12	S12PUFF	s12puff:w12	s	maximum lung function peak flow	Cont
13	S13PUFF	s13puff:w13	s	maximum lung function peak flow	Cont
14	S14PUFF	s14puff:w14	s	maximum lung function peak flow	Cont
07	R7PUFFCOMP	r7puffcomp:w7	r	willing and able to complete lung function p	Categ
08	R8PUFFCOMP	r8puffcomp:w8	r	willing and able to complete lung function p	Categ
09	R9PUFFCOMP	r9puffcomp:w9	r	willing and able to complete lung function p	Categ
10	R10PUFFCOMP	r10puffcomp:w10	r	willing and able to complete lung function	Categ
11	R11PUFFCOMP	r11puffcomp:w11	r	willing and able to complete lung function	Categ
12	R12PUFFCOMP	r12puffcomp:w12	r	willing and able to complete lung function	Categ
13	R13PUFFCOMP	r13puffcomp:w13	r	willing and able to complete lung function	Categ
14	R14PUFFCOMP	r14puffcomp:w14	r	willing and able to complete lung function	Categ
07	S7PUFFCOMP	s7puffcomp:w7	s	willing and able to complete lung function p	Categ
08	S8PUFFCOMP	s8puffcomp:w8	s	willing and able to complete lung function p	Categ
09	S9PUFFCOMP	s9puffcomp:w9	s	willing and able to complete lung function p	Categ
10	S10PUFFCOMP	s10puffcomp:w10	s	willing and able to complete lung function	Categ
11	S11PUFFCOMP	s11puffcomp:w11	s	willing and able to complete lung function	Categ
12	S12PUFFCOMP	s12puffcomp:w12	s	willing and able to complete lung function	Categ
13	S13PUFFCOMP	s13puffcomp:w13	s	willing and able to complete lung function	Categ
14	S14PUFFCOMP	s14puffcomp:w14	s	willing and able to complete lung function	Categ
07	R7PUFFPOS	r7puffpos:w7	r	position for lung function peak flow test	Categ
08	R8PUFFPOS	r8puffpos:w8	r	position for lung function peak flow test	Categ
09	R9PUFFPOS	r9puffpos:w9	r	position for lung function peak flow test	Categ
10	R10PUFFPOS	r10puffpos:w10	r	position for lung function peak flow test	Categ
11	R11PUFFPOS	r11puffpos:w11	r	position for lung function peak flow test	Categ
12	R12PUFFPOS	r12puffpos:w12	r	position for lung function peak flow test	Categ
13	R13PUFFPOS	r13puffpos:w13	r	position for lung function peak flow test	Categ
14	R14PUFFPOS	r14puffpos:w14	r	position for lung function peak flow test	Categ
07	S7PUFFPOS	s7puffpos:w7	s	position for lung function peak flow test	Categ
08	S8PUFFPOS	s8puffpos:w8	s	position for lung function peak flow test	Categ
09	S9PUFFPOS	s9puffpos:w9	s	position for lung function peak flow test	Categ
10	S10PUFFPOS	s10puffpos:w10	s	position for lung function peak flow test	Categ
11	S11PUFFPOS	s11puffpos:w11	s	position for lung function peak flow test	Categ
12	S12PUFFPOS	s12puffpos:w12	s	position for lung function peak flow test	Categ
13	S13PUFFPOS	s13puffpos:w13	s	position for lung function peak flow test	Categ
14	S14PUFFPOS	s14puffpos:w14	s	position for lung function peak flow test	Categ
07	R7PUFFEFF	r7puffeff:w7	amount effort r	gave to lung function test	Categ
08	R8PUFFEFF	r8puffeff:w8	amount effort r	gave to lung function test	Categ
09	R9PUFFEFF	r9puffeff:w9	amount effort r	gave to lung function test	Categ
10	R10PUFFEFF	r10puffeff:w10	amount effort r	gave to lung function test	Categ
11	R11PUFFEFF	r11puffeff:w11	amount effort r	gave to lung function test	Categ
12	R12PUFFEFF	r12puffeff:w12	amount effort r	gave to lung function test	Categ
13	R13PUFFEFF	r13puffeff:w13	amount effort r	gave to lung function test	Categ
14	R14PUFFEFF	r14puffeff:w14	amount effort r	gave to lung function test	Categ
07	S7PUFFEFF	s7puffeff:w7	amount effort s	gave to lung function test	Categ
08	S8PUFFEFF	s8puffeff:w8	amount effort s	gave to lung function test	Categ
09	S9PUFFEFF	s9puffeff:w9	amount effort s	gave to lung function test	Categ

10	S10PUFFEFF	s10puffeff:w10	amount effort s gave to lung function test	Categ
11	S11PUFFEFF	s11puffeff:w11	amount effort s gave to lung function test	Categ
12	S12PUFFEFF	s12puffeff:w12	amount effort s gave to lung function test	Categ
13	S13PUFFEFF	s13puffeff:w13	amount effort s gave to lung function test	Categ
14	S14PUFFEFF	s14puffeff:w14	amount effort s gave to lung function test	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7PUFF1	3226	299.60	131.78	1.00	890.00
R8PUFF1	7429	313.37	130.58	30.00	890.00
R9PUFF1	6705	305.05	131.49	4.00	890.00
R10PUFF1	8791	328.82	135.61	0.00	850.00
R11PUFF1	8296	324.18	134.15	0.00	900.00
R12PUFF1	7870	329.87	133.87	0.00	890.00
R13PUFF1	8146	320.27	140.62	0.00	890.00
R14PUFF1	7099	318.91	132.07	30.00	890.00
S7PUFF1	2045	325.46	130.81	20.00	890.00
S8PUFF1	4977	336.35	129.84	30.00	860.00
S9PUFF1	4218	330.90	132.70	4.00	890.00
S10PUFF1	5567	350.48	134.09	0.00	850.00
S11PUFF1	5135	348.95	134.44	1.00	900.00
S12PUFF1	4810	353.55	132.19	0.00	850.00
S13PUFF1	4759	345.29	140.41	1.00	890.00
S14PUFF1	4037	345.15	131.64	30.00	890.00
R7PUFF2	3222	322.77	133.93	10.00	890.00
R8PUFF2	7425	336.94	133.61	30.00	890.00
R9PUFF2	6696	331.35	132.84	9.00	900.00
R10PUFF2	8781	354.37	136.79	0.00	890.00
R11PUFF2	8290	351.08	136.04	0.00	890.00
R12PUFF2	7863	352.33	133.76	1.00	880.00
R13PUFF2	8133	348.85	142.48	0.00	880.00
R14PUFF2	7091	346.75	133.11	30.00	890.00
S7PUFF2	2046	350.57	131.19	16.00	890.00
S8PUFF2	4975	361.25	132.21	30.00	880.00
S9PUFF2	4214	358.10	132.59	30.00	900.00
S10PUFF2	5560	376.60	134.16	0.00	890.00
S11PUFF2	5133	376.97	135.50	30.00	890.00
S12PUFF2	4808	376.26	131.09	1.00	880.00
S13PUFF2	4753	373.82	140.04	0.00	880.00
S14PUFF2	4034	371.83	131.88	30.00	890.00
R7PUFF3	3220	331.82	136.32	0.00	890.00
R8PUFF3	7419	346.80	135.21	30.00	890.00
R9PUFF3	6693	340.86	134.33	0.00	900.00
R10PUFF3	8773	363.61	137.83	0.00	890.00
R11PUFF3	8287	360.18	137.48	0.00	880.00
R12PUFF3	7856	358.67	135.35	0.00	890.00
R13PUFF3	8126	358.90	142.93	0.00	890.00
R14PUFF3	7085	354.39	134.20	1.00	890.00
S7PUFF3	2046	360.07	133.42	9.00	880.00
S8PUFF3	4974	371.62	133.62	30.00	890.00
S9PUFF3	4211	368.00	134.08	30.00	900.00
S10PUFF3	5556	385.98	134.67	0.00	890.00
S11PUFF3	5132	386.15	136.44	30.00	880.00
S12PUFF3	4805	383.13	132.85	0.00	890.00
S13PUFF3	4753	384.49	139.69	0.00	890.00
S14PUFF3	4032	379.37	132.83	1.00	890.00

R7PUFF	3227	345.24	135.55	26.00	890.00
R8PUFF	7434	358.31	133.10	30.00	890.00
R9PUFF	6706	353.14	133.21	9.00	900.00
R10PUFF	8791	375.91	136.06	20.00	890.00
R11PUFF	8296	372.83	135.49	0.00	900.00
R12PUFF	7870	372.89	133.38	10.00	890.00
R13PUFF	8146	372.06	141.51	0.00	890.00
R14PUFF	7099	367.27	132.23	30.00	890.00
S7PUFF	2046	373.03	132.28	26.00	890.00
S8PUFF	4979	382.87	131.34	30.00	890.00
S9PUFF	4219	380.59	132.52	70.00	900.00
S10PUFF	5567	398.36	133.12	30.00	890.00
S11PUFF	5135	398.71	135.00	30.00	900.00
S12PUFF	4810	397.49	130.39	10.00	890.00
S13PUFF	4759	397.59	138.51	30.00	890.00
S14PUFF	4037	392.23	131.03	30.00	890.00
R7PUFFCOMP	3447	0.94	0.24	0.00	1.00
R8PUFFCOMP	7788	0.96	0.21	0.00	1.00
R9PUFFCOMP	6926	0.97	0.17	0.00	1.00
R10PUFFCOMP	8978	0.98	0.14	0.00	1.00
R11PUFFCOMP	8512	0.98	0.16	0.00	1.00
R12PUFFCOMP	7997	0.98	0.12	0.00	1.00
R13PUFFCOMP	8319	0.98	0.14	0.00	1.00
R14PUFFCOMP	7283	0.98	0.15	0.00	1.00
S7PUFFCOMP	2156	0.95	0.22	0.00	1.00
S8PUFFCOMP	5169	0.96	0.19	0.00	1.00
S9PUFFCOMP	4335	0.97	0.16	0.00	1.00
S10PUFFCOMP	5674	0.98	0.13	0.00	1.00
S11PUFFCOMP	5232	0.98	0.13	0.00	1.00
S12PUFFCOMP	4861	0.99	0.10	0.00	1.00
S13PUFFCOMP	4842	0.98	0.13	0.00	1.00
S14PUFFCOMP	4132	0.98	0.15	0.00	1.00
R7PUFFPOS	3228	1.23	0.42	1.00	3.00
R8PUFFPOS	7438	1.07	0.26	1.00	3.00
R9PUFFPOS	6709	1.05	0.22	1.00	3.00
R10PUFFPOS	8795	1.03	0.17	1.00	3.00
R11PUFFPOS	8299	1.05	0.23	1.00	3.00
R12PUFFPOS	7873	1.05	0.22	1.00	3.00
R13PUFFPOS	8146	1.04	0.21	1.00	3.00
R14PUFFPOS	7103	1.04	0.20	1.00	3.00
S7PUFFPOS	2046	1.21	0.41	1.00	2.00
S8PUFFPOS	4981	1.06	0.24	1.00	3.00
S9PUFFPOS	4221	1.04	0.20	1.00	3.00
S10PUFFPOS	5569	1.02	0.15	1.00	3.00
S11PUFFPOS	5137	1.04	0.20	1.00	3.00
S12PUFFPOS	4811	1.04	0.19	1.00	3.00
S13PUFFPOS	4759	1.03	0.18	1.00	3.00
S14PUFFPOS	4038	1.03	0.18	1.00	3.00
R7PUFFEFF	3228	1.02	0.18	1.00	3.00
R8PUFFEFF	7439	1.03	0.21	1.00	3.00
R9PUFFEFF	6710	1.03	0.21	1.00	3.00
R10PUFFEFF	8795	1.02	0.19	1.00	3.00
R11PUFFEFF	8299	1.02	0.18	1.00	3.00
R12PUFFEFF	7872	1.03	0.24	1.00	3.00
R13PUFFEFF	8147	1.04	0.24	1.00	3.00
R14PUFFEFF	7104	1.04	0.26	1.00	3.00



S7PUFFEFF	2046	1.01	0.15	1.00	3.00
S8PUFFEFF	4981	1.02	0.16	1.00	3.00
S9PUFFEFF	4221	1.02	0.19	1.00	3.00
S10PUFFEFF	5569	1.02	0.16	1.00	3.00
S11PUFFEFF	5137	1.02	0.16	1.00	3.00
S12PUFFEFF	4811	1.03	0.22	1.00	3.00
S13PUFFEFF	4759	1.03	0.21	1.00	3.00
S14PUFFEFF	4039	1.03	0.22	1.00	3.00

## Categorical Variable Codes

Value-----		R7PUFFCOMP	R8PUFFCOMP	R9PUFFCOMP	R10PUFFCOMP
.m:Missing			6	5	26
.s:Skipped		16682	10675	10286	13030
0.no		216	349	216	183
1.yes		3231	7439	6710	8795

Value-----	R11PUFFCOMP	R12PUFFCOMP	R13PUFFCOMP	R14PUFFCOMP
.m:Missing	3	1		
.s:Skipped	12039	10749	12593	9863
0.no	212	124	172	179
1.yes	8300	7873	8147	7104

Value-----		S7PUFFCOMP	S8PUFFCOMP	S9PUFFCOMP	S10PUFFCOMP
.m:Missing			2	2	11
.s:Skipped		10812	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		107	188	114	105
1.yes		2049	4981	4221	5569

Value-----	S11PUFFCOMP	S12PUFFCOMP	S13PUFFCOMP	S14PUFFCOMP
.m:Missing	1			
.s:Skipped	7243	6151	6936	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	95	50	83	93
1.yes	5137	4811	4759	4039

Value-----		R7PUFFPOS	R8PUFFPOS	R9PUFFPOS	R10PUFFPOS
.d:DK			1	1	
.m:Missing		1	6	5	26
.n:Not willing/able		216	349	216	183
.r:Refuse		1			
.s:Skipped		16683	10675	10286	13030
1.standing		2494	6895	6371	8527
2.sitting		732	539	332	265
3.lying down		2	4	6	3

Value-----	R11PUFFPOS	R12PUFFPOS	R13PUFFPOS	R14PUFFPOS
.d:DK	1		1	1
.m:Missing	3	1		
.n:Not willing/able	212	124	172	179
.s:Skipped	12039	10749	12593	9863
1.standing	7870	7501	7816	6804
2.sitting	422	366	320	295
3.lying down	7	6	10	4

Value-----		S7PUFFPOS	S8PUFFPOS	S9PUFFPOS	S10PUFFPOS
.m:Missing		1	2	2	11
.n:Not willing/able		107	188	114	105
.r:Refuse		1			
.s:Skipped		10813	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.standing		1613	4676	4063	5437
2.sitting		433	302	155	131
3.lying down			3	3	1

Value-----	S11PUFFPOS	S12PUFFPOS	S13PUFFPOS	S14PUFFPOS
.d:DK				1

.m:Missing		1			
.n:Not willing/able		95	50	83	93
.s:Skipped		7243	6151	6936	5226
.u:not coupled		7483	7125	8025	6684
.v:SP NR		595	610	1109	1104
1.standing		4939	4638	4614	3905
2.sitting		194	171	142	132
3.lying down		4	2	3	1
Value-----		R7PUFFEFF	R8PUFFEFF	R9PUFFEFF	R10PUFFEFF
.m:Missing		1	6	5	26
.n:Not willing/able		216	349	216	183
.r:Refuse		1			
.s:Skipped		16683	10675	10286	13030
1.Gave full effort		3181	7286	6577	8634
2.not full effort-illness		29	91	76	105
3.not full effort-no reason		18	62	57	56
Value-----		R11PUFFEFF	R12PUFFEFF	R13PUFFEFF	R14PUFFEFF
.d:DK		1	1		
.m:Missing		3	1		
.n:Not willing/able		212	124	172	179
.s:Skipped		12039	10749	12593	9863
1.Gave full effort		8175	7687	7933	6908
2.not full effort-illness		78	97	122	92
3.not full effort-no reason		46	88	92	104
Value-----		S7PUFFEFF	S8PUFFEFF	S9PUFFEFF	S10PUFFEFF
.m:Missing		1	2	2	11
.n:Not willing/able		107	188	114	105
.r:Refuse		1			
.s:Skipped		10813	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.Gave full effort		2023	4908	4155	5493
2.not full effort-illness		16	52	38	53
3.not full effort-no reason		7	21	28	23
Value-----		S11PUFFEFF	S12PUFFEFF	S13PUFFEFF	S14PUFFEFF
.m:Missing		1			
.n:Not willing/able		95	50	83	93
.s:Skipped		7243	6151	6936	5226
.u:not coupled		7483	7125	8025	6684
.v:SP NR		595	610	1109	1104
1.Gave full effort		5074	4714	4663	3965
2.not full effort-illness		38	52	55	35
3.not full effort-no reason		25	45	41	39

## How Constructed:

RwPUFF1, RwPUFF2, and RwPUFF3 indicate the respondents first, second, and third breathing test results. RwPUFF indicates the maximum measurement taken for the breathing test. Starting in Wave 12, readings that went past the last tick mark are assigned a value of 890. Don't know, refused, or other missing responses for the breathing tests are assigned special missing codes .d, .r, .m, respectively. Special missing .x is assigned if the respondent tried to do the test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete the measurement due to a variety of reasons, including safety concerns or the respondent did not understand the instructions. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwPUFF1, SwPUFF2, SwPUFF3, and SwPUFF indicate the respective results for the current wave's spouse, and their values are taken from RwPUFF1, RwPUFF2, RwPUFF3, and RwPUFF. In addition to the special missing codes used for RwPUFF1, RwPUFF2, RwPUFF3, and RwPUFF, SwPUFF1, SwPUFF2, SwPUFF3, and SwPUFF employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that some extreme values may remain in RwPUFF1, RwPUFF2, RwPUFF3, and RwPUFF and have been left to the discretion of the user. It may be useful to reference the following document for further consideration: [Physical Measures And Biomarkers](#).

RwPUFFCOMP indicates whether the respondent is willing and able to complete the breathing test. RwPUFFCOMP is coded as 1 if the respondent understood the directions for the test, the respondent felt it would be safe to complete the test, and the respondent completed at least one trial of the breathing test. RwPUFFCOMP is coded as 0 if the respondent did not understand the instructions, expressed safety concerns, or did not complete any trials of the breathing test. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. This measure is set to plain missing (.) for respondents who did not respond to the current wave.

SwPUFFCOMP indicates whether the current wave's spouse was willing and able to complete the breathing test, and its values are taken from RwPUFFCOMP. In addition to the special missing codes used in RwPUFFCOMP, SwPUFFCOMP employs two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwPUFFPOS indicates the position the respondent was in during the test. RwPUFFPOS is coded as follows: 1.standing, 2.sitting, and 3.lying down. Don't know, refused, or other missing responses for the breathing test position are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the measurement due to a variety of reasons, including safety concerns, or the respondent did not understand the instructions. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwPUFFPOS indicates the position for the current wave's spouse during the puff test, and its values are taken from RwPUFFPOS. In addition to the special missing codes used for RwPUFFPOS, SwPUFFPOS employs two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwPUFFEFF indicates how much effort the interviewer reports the respondent using during the breathing tests. RwPUFFEFF is coded as follows: 1.respondent gave full effort, 2.respondent was prevented from giving full effort by illness, pain, or other symptoms or discomforts, 3.respondent did not appear to give full effort, but no obvious reason for this. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the measurement due to a variety of reasons, including safety concerns or the respondent did not understand the instructions. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. This measure is set to plain missing (.) for respondents who did not respond to the current wave.

SwPUFFEFF indicates how much effort the interviewer reports the respondent's current wave's spouse using during the breathing test and its values are taken from the spouse's vales to RwPUFFEFF. In addition to the special missing codes used in RwPUFFEFF, SwPUFFEFF employs two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Lung function tests began in Wave 7, but they were only given to a random subsample of approximately 3300 respondents. Lung function tests were given to a larger sample of respondents starting in Wave 8.

Starting in Wave 12, there is an additional screening question asking about the respondent's understanding of the directions and feelings of safety in completing these tests which determines whether the respondent participates in the lung function tests. Also starting in this wave, a value of 890 is assigned if the reading on the instrument was past the last tick mark.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

**HRS Variables Used:**

Wave 7:

JA009	proxy/self interview
JA028	r in nursing home
JI800	physical measures ftf iw
JI801	certified physical measures
JI802	physical measures consent form
JI804	breathing test at least one trial
JI807	physical measures puff test reading- 1
JI808	physical measures puff test reading- 2
JI809	physical measures puff test reading- 3
JI810	breathing test effort
JI811	r position for breathing test
JZ227	selected phy measures module

Wave 8:

KA028	r in nursing home
KI800	physical measures ftf iw
KI802	physical measures consent form
KI804	breath complete at least one trial
KI807	puff test 1
KI808	puff test 2
KI809	puff test 3
KI810	r breathing test effort
KI811	breathing test r position

Wave 9:

LA028	r in nursing home
LI800	physical measures ftf iw
LI802	physical measures consent form
LI804	breath complete at least one trial
LI807	puff test 1
LI808	puff test 2
LI809	puff test 3
LI810	r breathing test effort
LI811	breathing test r position

Wave 10:

MA028	r in nursing home
MI800	physical measures ftf iw
MI802	physical measures consent
MI804	breath complete at least one trial
MI807	puff test 1
MI808	puff test 2
MI809	puff test 3
MI810	r breathing test effort
MI811	breathing test r position

Wave 11:

NA028	r in nursing home
NI800	physical measures ftf iw
NI802	physical measures consent
NI804	breath complete at least one trial
NI807	puff test 1
NI808	puff test 2
NI809	puff test 3
NI810	r breathing test effort
NI811	breathing test r position

Wave 12:

OA028	r in nursing home
OI800	physical measures ftf iw
OI802	physical measures consent
OI804	breath complete at least one trial
OI807	puff test 1
OI808	puff test 2
OI809	puff test 3

OI810 r breathing test effort  
OI811 breathing test r position  
OI964 breathing test safety question

## Wave 13:

PA028 r in nursing home  
PI800 physical measures ftf iw  
PI802 physical measures consent  
PI804 breath complete at least one trial  
PI807 puff test 1  
PI808 puff test 2  
PI809 puff test 3  
PI810 r breathing test effort  
PI811 breathing test r position  
PI964 breathing test safety question

## Wave 14:

QA028 r in nursing home  
QI800 physical measures ftf iw  
QI802 physical measures consent  
QI804 breath complete at least one trial  
QI807 puff test 1  
QI808 puff test 2  
QI809 puff test 3  
QI810 r breathing test effort  
QI811 breathing test r position  
QI964 breathing test safety question

<b>Lung Function Measurements (Peak Flow): Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
07	R7PUFFSFT	r7puffsft:w7 r didn't complete lung: unsafe/health reason	Categ
08	R8PUFFSFT	r8puffsft:w8 r didn't complete lung: unsafe/health reason	Categ
09	R9PUFFSFT	r9puffsft:w9 r didn't complete lung: unsafe/health reason	Categ
10	R10PUFFSFT	r10puffsft:w10 r didn't complete lung: unsafe/health reason	Categ
11	R11PUFFSFT	r11puffsft:w11 r didn't complete lung: unsafe/health reason	Categ
12	R12PUFFSFT	r12puffsft:w12 r didn't complete lung: unsafe/health reason	Categ
13	R13PUFFSFT	r13puffsft:w13 r didn't complete lung: unsafe/health reason	Categ
14	R14PUFFSFT	r14puffsft:w14 r didn't complete lung: unsafe/health reason	Categ
07	S7PUFFSFT	s7puffsft:w7 s didn't complete lung: unsafe/health reason	Categ
08	S8PUFFSFT	s8puffsft:w8 s didn't complete lung: unsafe/health reason	Categ
09	S9PUFFSFT	s9puffsft:w9 s didn't complete lung: unsafe/health reason	Categ
10	S10PUFFSFT	s10puffsft:w10 s didn't complete lung: unsafe/health reason	Categ
11	S11PUFFSFT	s11puffsft:w11 s didn't complete lung: unsafe/health reason	Categ
12	S12PUFFSFT	s12puffsft:w12 s didn't complete lung: unsafe/health reason	Categ
13	S13PUFFSFT	s13puffsft:w13 s didn't complete lung: unsafe/health reason	Categ
14	S14PUFFSFT	s14puffsft:w14 s didn't complete lung: unsafe/health reason	Categ
07	R7PUFFREF	r7puffref:w7 r didn't complete lung: refused	Categ
08	R8PUFFREF	r8puffref:w8 r didn't complete lung: refused	Categ
09	R9PUFFREF	r9puffref:w9 r didn't complete lung: refused	Categ
10	R10PUFFREF	r10puffref:w10 r didn't complete lung: refused	Categ
11	R11PUFFREF	r11puffref:w11 r didn't complete lung: refused	Categ
12	R12PUFFREF	r12puffref:w12 r didn't complete lung: refused	Categ
13	R13PUFFREF	r13puffref:w13 r didn't complete lung: refused	Categ
14	R14PUFFREF	r14puffref:w14 r didn't complete lung: refused	Categ
07	S7PUFFREF	s7puffref:w7 s didn't complete lung: refused	Categ
08	S8PUFFREF	s8puffref:w8 s didn't complete lung: refused	Categ
09	S9PUFFREF	s9puffref:w9 s didn't complete lung: refused	Categ
10	S10PUFFREF	s10puffref:w10 s didn't complete lung: refused	Categ
11	S11PUFFREF	s11puffref:w11 s didn't complete lung: refused	Categ
12	S12PUFFREF	s12puffref:w12 s didn't complete lung: refused	Categ
13	S13PUFFREF	s13puffref:w13 s didn't complete lung: refused	Categ
14	S14PUFFREF	s14puffref:w14 s didn't complete lung: refused	Categ
07	R7PUFFTRYU	r7pufftryu:w7 r didn't complete lung: tried but unable	Categ
08	R8PUFFTRYU	r8pufftryu:w8 r didn't complete lung: tried but unable	Categ
09	R9PUFFTRYU	r9pufftryu:w9 r didn't complete lung: tried but unable	Categ
10	R10PUFFTRYU	r10pufftryu:w10 r didn't complete lung: tried but unable	Categ
11	R11PUFFTRYU	r11pufftryu:w11 r didn't complete lung: tried but unable	Categ
12	R12PUFFTRYU	r12pufftryu:w12 r didn't complete lung: tried but unable	Categ
13	R13PUFFTRYU	r13pufftryu:w13 r didn't complete lung: tried but unable	Categ
14	R14PUFFTRYU	r14pufftryu:w14 r didn't complete lung: tried but unable	Categ
07	S7PUFFTRYU	s7pufftryu:w7 s didn't complete lung: tried but unable	Categ
08	S8PUFFTRYU	s8pufftryu:w8 s didn't complete lung: tried but unable	Categ
09	S9PUFFTRYU	s9pufftryu:w9 s didn't complete lung: tried but unable	Categ
10	S10PUFFTRYU	s10pufftryu:w10 s didn't complete lung: tried but unable	Categ
11	S11PUFFTRYU	s11pufftryu:w11 s didn't complete lung: tried but unable	Categ
12	S12PUFFTRYU	s12pufftryu:w12 s didn't complete lung: tried but unable	Categ
13	S13PUFFTRYU	s13pufftryu:w13 s didn't complete lung: tried but unable	Categ
14	S14PUFFTRYU	s14pufftryu:w14 s didn't complete lung: tried but unable	Categ
07	R7PUFFEQUP	r7puffequp:w7 r didn't complete lung: faulty equipment/space	Categ
08	R8PUFFEQUP	r8puffequp:w8 r didn't complete lung: faulty equipment/space	Categ
09	R9PUFFEQUP	r9puffequp:w9 r didn't complete lung: faulty equipment/space	Categ

10	R10PUFFEQUP	r10puffequp:w10	r	didn't complete lung: faulty equipment/spa	Categ
11	R11PUFFEQUP	r11puffequp:w11	r	didn't complete lung: faulty equipment/spa	Categ
12	R12PUFFEQUP	r12puffequp:w12	r	didn't complete lung: faulty equipment/spa	Categ
13	R13PUFFEQUP	r13puffequp:w13	r	didn't complete lung: faulty equipment/spa	Categ
14	R14PUFFEQUP	r14puffequp:w14	r	didn't complete lung: faulty equipment/spa	Categ
07	S7PUFFEQUP	s7puffequp:w7	s	didn't complete lung: faulty equipment/space	Categ
08	S8PUFFEQUP	s8puffequp:w8	s	didn't complete lung: faulty equipment/space	Categ
09	S9PUFFEQUP	s9puffequp:w9	s	didn't complete lung: faulty equipment/space	Categ
10	S10PUFFEQUP	s10puffequp:w10	s	didn't complete lung: faulty equipment/spa	Categ
11	S11PUFFEQUP	s11puffequp:w11	s	didn't complete lung: faulty equipment/spa	Categ
12	S12PUFFEQUP	s12puffequp:w12	s	didn't complete lung: faulty equipment/spa	Categ
13	S13PUFFEQUP	s13puffequp:w13	s	didn't complete lung: faulty equipment/spa	Categ
14	S14PUFFEQUP	s14puffequp:w14	s	didn't complete lung: faulty equipment/spa	Categ
07	R7PUFFOTH	r7puffothr:w7	r	didn't complete lung: other reason	Categ
08	R8PUFFOTH	r8puffothr:w8	r	didn't complete lung: other reason	Categ
09	R9PUFFOTH	r9puffothr:w9	r	didn't complete lung: other reason	Categ
10	R10PUFFOTH	r10puffothr:w10	r	didn't complete lung: other reason	Categ
11	R11PUFFOTH	r11puffothr:w11	r	didn't complete lung: other reason	Categ
12	R12PUFFOTH	r12puffothr:w12	r	didn't complete lung: other reason	Categ
13	R13PUFFOTH	r13puffothr:w13	r	didn't complete lung: other reason	Categ
14	R14PUFFOTH	r14puffothr:w14	r	didn't complete lung: other reason	Categ
07	S7PUFFOTH	s7puffothr:w7	s	didn't complete lung: other reason	Categ
08	S8PUFFOTH	s8puffothr:w8	s	didn't complete lung: other reason	Categ
09	S9PUFFOTH	s9puffothr:w9	s	didn't complete lung: other reason	Categ
10	S10PUFFOTH	s10puffothr:w10	s	didn't complete lung: other reason	Categ
11	S11PUFFOTH	s11puffothr:w11	s	didn't complete lung: other reason	Categ
12	S12PUFFOTH	s12puffothr:w12	s	didn't complete lung: other reason	Categ
13	S13PUFFOTH	s13puffothr:w13	s	didn't complete lung: other reason	Categ
14	S14PUFFOTH	s14puffothr:w14	s	didn't complete lung: other reason	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7PUFFSFT	215	0.47	0.50	0.00	1.00
R8PUFFSFT	348	0.30	0.46	0.00	1.00
R9PUFFSFT	216	0.44	0.50	0.00	1.00
R10PUFFSFT	182	0.49	0.50	0.00	1.00
R11PUFFSFT	212	0.56	0.50	0.00	1.00
R12PUFFSFT	123	0.70	0.46	0.00	1.00
R13PUFFSFT	172	0.48	0.50	0.00	1.00
R14PUFFSFT	179	0.59	0.49	0.00	1.00
S7PUFFSFT	107	0.43	0.50	0.00	1.00
S8PUFFSFT	188	0.31	0.47	0.00	1.00
S9PUFFSFT	114	0.39	0.49	0.00	1.00
S10PUFFSFT	105	0.41	0.49	0.00	1.00
S11PUFFSFT	95	0.55	0.50	0.00	1.00
S12PUFFSFT	49	0.76	0.43	0.00	1.00
S13PUFFSFT	83	0.49	0.50	0.00	1.00
S14PUFFSFT	93	0.61	0.49	0.00	1.00
R7PUFFREF	215	0.37	0.48	0.00	1.00
R8PUFFREF	348	0.56	0.50	0.00	1.00
R9PUFFREF	216	0.45	0.50	0.00	1.00
R10PUFFREF	182	0.29	0.46	0.00	1.00
R11PUFFREF	212	0.35	0.48	0.00	1.00
R12PUFFREF	123	0.31	0.46	0.00	1.00
R13PUFFREF	172	0.36	0.48	0.00	1.00
R14PUFFREF	179	0.32	0.47	0.00	1.00

S7PUFFREF	107	0.36	0.48	0.00	1.00
S8PUFFREF	188	0.55	0.50	0.00	1.00
S9PUFFREF	114	0.48	0.50	0.00	1.00
S10PUFFREF	105	0.33	0.47	0.00	1.00
S11PUFFREF	95	0.36	0.48	0.00	1.00
S12PUFFREF	49	0.33	0.47	0.00	1.00
S13PUFFREF	83	0.39	0.49	0.00	1.00
S14PUFFREF	93	0.26	0.44	0.00	1.00
R7PUFFTRYU	215	0.02	0.15	0.00	1.00
R8PUFFTRYU	348	0.03	0.18	0.00	1.00
R9PUFFTRYU	216	0.06	0.24	0.00	1.00
R10PUFFTRYU	182	0.04	0.19	0.00	1.00
R11PUFFTRYU	212	0.04	0.19	0.00	1.00
R12PUFFTRYU	123	0.03	0.18	0.00	1.00
R13PUFFTRYU	172	0.05	0.21	0.00	1.00
R14PUFFTRYU	179	0.02	0.15	0.00	1.00
S7PUFFTRYU	107	0.02	0.14	0.00	1.00
S8PUFFTRYU	188	0.02	0.14	0.00	1.00
S9PUFFTRYU	114	0.04	0.21	0.00	1.00
S10PUFFTRYU	105	0.03	0.17	0.00	1.00
S11PUFFTRYU	95	0.01	0.10	0.00	1.00
S12PUFFTRYU	49	0.02	0.14	0.00	1.00
S13PUFFTRYU	83	0.04	0.19	0.00	1.00
S14PUFFTRYU	93	0.03	0.18	0.00	1.00
R7PUFFEQUP	215	0.13	0.34	0.00	1.00
R8PUFFEQUP	348	0.14	0.34	0.00	1.00
R9PUFFEQUP	216	0.17	0.37	0.00	1.00
R10PUFFEQUP	182	0.25	0.44	0.00	1.00
R11PUFFEQUP	212	0.08	0.28	0.00	1.00
R12PUFFEQUP	123	0.05	0.22	0.00	1.00
R13PUFFEQUP	172	0.13	0.34	0.00	1.00
R14PUFFEQUP	179	0.13	0.34	0.00	1.00
S7PUFFEQUP	107	0.18	0.38	0.00	1.00
S8PUFFEQUP	188	0.13	0.34	0.00	1.00
S9PUFFEQUP	114	0.20	0.40	0.00	1.00
S10PUFFEQUP	105	0.27	0.44	0.00	1.00
S11PUFFEQUP	95	0.11	0.31	0.00	1.00
S12PUFFEQUP	49	0.02	0.14	0.00	1.00
S13PUFFEQUP	83	0.10	0.30	0.00	1.00
S14PUFFEQUP	93	0.13	0.34	0.00	1.00
R7PUFFOTHR	215	0.04	0.19	0.00	1.00
R8PUFFOTHR	345	0.05	0.22	0.00	1.00
R9PUFFOTHR	216	0.03	0.18	0.00	1.00
R10PUFFOTHR	182	0.04	0.21	0.00	1.00
R11PUFFOTHR	212	0.05	0.22	0.00	1.00
R12PUFFOTHR	123	0.03	0.18	0.00	1.00
R13PUFFOTHR	172	0.04	0.20	0.00	1.00
R14PUFFOTHR	179	0.06	0.23	0.00	1.00
S7PUFFOTHR	107	0.04	0.19	0.00	1.00
S8PUFFOTHR	187	0.05	0.21	0.00	1.00
S9PUFFOTHR	114	0.04	0.21	0.00	1.00
S10PUFFOTHR	105	0.03	0.17	0.00	1.00
S11PUFFOTHR	95	0.04	0.20	0.00	1.00
S12PUFFOTHR	49	0.00	0.00	0.00	0.00
S13PUFFOTHR	83	0.02	0.15	0.00	1.00
S14PUFFOTHR	93	0.05	0.23	0.00	1.00



## Categorical Variable Codes

Value-----	R7PUFFSFT	R8PUFFSFT	R9PUFFSFT	R10PUFFSFT
.c:completed test	3231	7439	6710	8795
.d:DK	1	1		
.m:Missing		6	5	26
.r:Refuse				1
.s:Skipped	16682	10675	10286	13030
0.no	113	244	122	93
1.yes	102	104	94	89

Value-----	R11PUFFSFT	R12PUFFSFT	R13PUFFSFT	R14PUFFSFT
.c:completed test	8300	7873	8147	7104
.m:Missing	3	1		
.r:Refuse		1		
.s:Skipped	12039	10749	12593	9863
0.no	93	37	89	73
1.yes	119	86	83	106

Value-----	S7PUFFSFT	S8PUFFSFT	S9PUFFSFT	S10PUFFSFT
.c:completed test	2049	4981	4221	5569
.m:Missing		2	2	11
.s:Skipped	10812	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	61	129	70	62
1.yes	46	59	44	43

Value-----	S11PUFFSFT	S12PUFFSFT	S13PUFFSFT	S14PUFFSFT
.c:completed test	5137	4811	4759	4039
.m:Missing	1			
.r:Refuse		1		
.s:Skipped	7243	6151	6936	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	43	12	42	36
1.yes	52	37	41	57

Value-----	R7PUFFREF	R8PUFFREF	R9PUFFREF	R10PUFFREF
.c:completed test	3231	7439	6710	8795
.d:DK	1	1		
.m:Missing		6	5	26
.r:Refuse				1
.s:Skipped	16682	10675	10286	13030
0.no	136	152	119	129
1.yes	79	196	97	53

Value-----	R11PUFFREF	R12PUFFREF	R13PUFFREF	R14PUFFREF
.c:completed test	8300	7873	8147	7104
.m:Missing	3	1		
.r:Refuse		1		
.s:Skipped	12039	10749	12593	9863
0.no	137	85	110	122
1.yes	75	38	62	57

Value-----	S7PUFFREF	S8PUFFREF	S9PUFFREF	S10PUFFREF
.c:completed test	2049	4981	4221	5569
.m:Missing		2	2	11
.s:Skipped	10812	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	69	84	59	70
1.yes	38	104	55	35

Value-----	S11PUFFREF	S12PUFFREF	S13PUFFREF	S14PUFFREF
.c:completed test	5137	4811	4759	4039
.m:Missing	1			
.r:Refuse		1		
.s:Skipped	7243	6151	6936	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	61	33	51	69
1.yes	34	16	32	24

Value-----	R7PUFFTRYU	R8PUFFTRYU	R9PUFFTRYU	R10PUFFTRYU
.c:completed test	3231	7439	6710	8795
.d:DK	1	1		
.m:Missing		6	5	26
.r:Refuse				1
.s:Skipped	16682	10675	10286	13030
0.no	210	337	203	175
1.yes	5	11	13	7

Value-----	R11PUFFTRYU	R12PUFFTRYU	R13PUFFTRYU	R14PUFFTRYU
.c:completed test	8300	7873	8147	7104
.m:Missing	3	1		
.r:Refuse		1		
.s:Skipped	12039	10749	12593	9863
0.no	204	119	164	175
1.yes	8	4	8	4

Value-----	S7PUFFTRYU	S8PUFFTRYU	S9PUFFTRYU	S10PUFFTRYU
.c:completed test	2049	4981	4221	5569
.m:Missing		2	2	11
.s:Skipped	10812	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	105	184	109	102
1.yes	2	4	5	3

Value-----	S11PUFFTRYU	S12PUFFTRYU	S13PUFFTRYU	S14PUFFTRYU
.c:completed test	5137	4811	4759	4039
.m:Missing	1			
.r:Refuse		1		
.s:Skipped	7243	6151	6936	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	94	48	80	90
1.yes	1	1	3	3

Value-----	R7PUFFEQUP	R8PUFFEQUP	R9PUFFEQUP	R10PUFFEQUP
.c:completed test	3231	7439	6710	8795
.d:DK	1	1		
.m:Missing		6	5	26
.r:Refuse				1
.s:Skipped	16682	10675	10286	13030
0.no	186	301	180	136
1.yes	29	47	36	46

Value-----	R11PUFFEQUP	R12PUFFEQUP	R13PUFFEQUP	R14PUFFEQUP
.c:completed test	8300	7873	8147	7104
.m:Missing	3	1		
.r:Refuse		1		
.s:Skipped	12039	10749	12593	9863
0.no	194	117	149	156
1.yes	18	6	23	23

Value-----	S7PUFFEQUP	S8PUFFEQUP	S9PUFFEQUP	S10PUFFEQUP
.c:completed test	2049	4981	4221	5569
.m:Missing		2	2	11
.s:Skipped	10812	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	88	163	91	77
1.yes	19	25	23	28

Value-----	S11PUFFEQUP	S12PUFFEQUP	S13PUFFEQUP	S14PUFFEQUP
.c:completed test	5137	4811	4759	4039
.m:Missing	1			
.r:Refuse		1		
.s:Skipped	7243	6151	6936	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	85	48	75	81
1.yes	10	1	8	12

Value-----	R7PUFFOTHR	R8PUFFOTHR	R9PUFFOTHR	R10PUFFOTHR
.c:completed test	3231	7439	6710	8795
.d:DK	1	1		

.m:Missing			9	5	26
.r:Refuse					1
.s:Skipped		16682	10675	10286	13030
0.no		207	327	209	174
1.yes		8	18	7	8
Value-----	R11PUFFOTHR	R12PUFFOTHR	R13PUFFOTHR	R14PUFFOTHR	
.c:completed test	8300	7873	8147	7104	
.m:Missing	3	1			
.r:Refuse		1			
.s:Skipped	12039	10749	12593	9863	
0.no	201	119	165	169	
1.yes	11	4	7	10	
Value-----		S7PUFFOTHR	S8PUFFOTHR	S9PUFFOTHR	S10PUFFOTHR
.c:completed test		2049	4981	4221	5569
.m:Missing			3	2	11
.s:Skipped		10812	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		103	178	109	102
1.yes		4	9	5	3
Value-----	S11PUFFOTHR	S12PUFFOTHR	S13PUFFOTHR	S14PUFFOTHR	
.c:completed test	5137	4811	4759	4039	
.m:Missing	1				
.r:Refuse		1			
.s:Skipped	7243	6151	6936	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	91	49	81	88	
1.yes	4		2	5	

### How Constructed:

RwPUFFSFT, RwPUFFREF, RwPUFFTRYU, RwPUFFEQUP, and RwPUFFOTHR indicate the reasons for the respondent not taking part in the breathing test as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the breathing test. RwPUFFSFT indicates whether the respondent did not participate in the breathing test because they felt it would not be safe, the interviewer felt it would be unsafe, or due to health reasons. RwPUFFREF indicates whether the respondent did not participate in the breathing test because they refused, with no reason given. RwPUFFTRYU indicates whether the respondent did not participate in the breathing test because they tried but were unable to complete the test. RwPUFFEQUP indicates whether the respondent did not participate in the breathing test because of either problems with equipment/supplies or not having a suitable space to perform the test. RwPUFFOTHR indicates whether the respondent did not participate in the breathing test because either they did not understand the instructions or because of another reason. RwPUFFSFT, RwPUFFREF, RwPUFFTRYU, RwPUFFEQUP, and RwPUFFOTHR are coded as 0 if the specific reason was not given for the respondent not completing the breathing test, and are coded as 1 if the specific reason was given. Don't know, refuse, and other missing responses to RwPUFFSFT, RwPUFFREF, RwPUFFTRYU, RwPUFFEQUP, and RwPUFFOTHR are set to special missing .d, .r, and .m, respectively. Special missing .c is assigned if the respondent completed at least one of the breathing tests. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwPUFFSFT, SwPUFFREF, SwPUFFTRYU, SwPUFFEQUP, and SwPUFFOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the breathing test, and their values are taken from the spouse's values to RwPUFFSFT, RwPUFFREF, RwPUFFTRYU, RwPUFFEQUP, and RwPUFFOTHR. In addition to the special missing codes employed by RwPUFFSFT, RwPUFFREF, RwPUFFTRYU, RwPUFFEQUP, and RwPUFFOTHR, SwPUFFSFT, SwPUFFREF, SwPUFFTRYU, SwPUFFEQUP, and SwPUFFOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

Lung function tests began in Wave 7, but they were only given to a random subsample of approximately 3300 respondents. Lung function tests were given to a larger sample of respondents starting in Wave 8.

The wording of one of the options used to create RwpUFFSFT changes slightly over the waves. In Wave 7, the wording is "R had surgery, injury or other health condition that prevented R from taking the test". In Wave 8, the wording is "R had surgery, injury or other health condition that prevented R from completing the measurement". Starting in Wave 9, the wording is "R could not participate due to health reasons".

The wording of and the options used to create RwpUFFEQUP changes slightly over the waves. In Wave 7, one option is worded as "problem with equipment and/or consent form", while starting in Wave 8, this option is worded as "problem with equipment or supplies". Starting in Wave 8, there is an option for an "unsuitable location" or "no suitable space", while a comparable option is not present in Wave 7.

Starting in Wave 12, there is an additional screening question asking about the respondent's understanding of the directions and feelings of safety in completing these tests which determines whether the respondent participates in the lung function tests.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

### HRS Variables Used:

#### Wave 7:

JI804	breathing test at least one trial
JI805M1	reason not complete breathing test-1
JI805M2	reason not complete breathing test-2
JI805M3	reason not complete breathing test-3
JI805M4	reason not complete breathing test-4

#### Wave 8:

KI804	breath complete at least one trial
KI805M1	breath test reason not complete-1
KI805M2	breath test reason not complete-2
KI805M3	breath test reason not complete-3
KI805M4	breath test reason not complete-4

#### Wave 9:

LI804	breath complete at least one trial
LI805M1	breath test reason not complete -1
LI805M2	breath test reason not complete -2
LI805M3	breath test reason not complete -3
LI805M4	breath test reason not complete -4

#### Wave 10:

MI804	breath complete at least one trial
MI805M1	breath test reason not complete -1
MI805M2	breath test reason not complete -2
MI805M3	breath test reason not complete -3
MI805M4	breath test reason not complete -4

#### Wave 11:

NI804	breath complete at least one trial
NI805M1	breath test reason not complete -1
NI805M2	breath test reason not complete -2
NI805M3	breath test reason not complete -3
NI805M4	breath test reason not complete -4

#### Wave 12:

OI804	breath complete at least one trial
OI805M1	breath test reason not complete -1
OI805M2	breath test reason not complete -2
OI805M3	breath test reason not complete -3
OI805M4	breath test reason not complete -4

#### Wave 13:

PI804	breath complete at least one trial
PI805M1	breath test reason not complete -1
PI805M2	breath test reason not complete -2
PI805M3	breath test reason not complete -3
PI805M4	breath test reason not complete -4

#### Wave 14:

QI804	breath complete at least one trial
QI805M1	breath test reason not complete -1
QI805M2	breath test reason not complete -2
QI805M3	breath test reason not complete -3
QI805M4	breath test reason not complete -4

<b>Hand Grip Strength Measurements</b>
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Wave	Variable	Label	Type
07	R7DOMHAND	r7domhand:w7 r grip strength dominant hand	Categ
08	R8DOMHAND	r8domhand:w8 r grip strength dominant hand	Categ
09	R9DOMHAND	r9domhand:w9 r grip strength dominant hand	Categ
10	R10DOMHAND	r10domhand:w10 r grip strength dominant hand	Categ
11	R11DOMHAND	r11domhand:w11 r grip strength dominant hand	Categ
12	R12DOMHAND	r12domhand:w12 r grip strength dominant hand	Categ
13	R13DOMHAND	r13domhand:w13 r grip strength dominant hand	Categ
14	R14DOMHAND	r14domhand:w14 r grip strength dominant hand	Categ
07	S7DOMHAND	s7domhand:w7 s grip strength dominant hand	Categ
08	S8DOMHAND	s8domhand:w8 s grip strength dominant hand	Categ
09	S9DOMHAND	s9domhand:w9 s grip strength dominant hand	Categ
10	S10DOMHAND	s10domhand:w10 s grip strength dominant hand	Categ
11	S11DOMHAND	s11domhand:w11 s grip strength dominant hand	Categ
12	S12DOMHAND	s12domhand:w12 s grip strength dominant hand	Categ
13	S13DOMHAND	s13domhand:w13 s grip strength dominant hand	Categ
14	S14DOMHAND	s14domhand:w14 s grip strength dominant hand	Categ
07	R7LGRIPI	r7lgrip1:w7 r left hand grip measurement 1(kg)	Cont
08	R8LGRIPI	r8lgrip1:w8 r left hand grip measurement 1(kg)	Cont
09	R9LGRIPI	r9lgrip1:w9 r left hand grip measurement 1(kg)	Cont
10	R10LGRIPI	r10lgrip1:w10 r left hand grip measurement 1(kg)	Cont
11	R11LGRIPI	r11lgrip1:w11 r left hand grip measurement 1(kg)	Cont
12	R12LGRIPI	r12lgrip1:w12 r left hand grip measurement 1(kg)	Cont
13	R13LGRIPI	r13lgrip1:w13 r left hand grip measurement 1(kg)	Cont
14	R14LGRIPI	r14lgrip1:w14 r left hand grip measurement 1(kg)	Cont
07	S7LGRIPI	s7lgrip1:w7 s left hand grip measurement 1(kg)	Cont
08	S8LGRIPI	s8lgrip1:w8 s left hand grip measurement 1(kg)	Cont
09	S9LGRIPI	s9lgrip1:w9 s left hand grip measurement 1(kg)	Cont
10	S10LGRIPI	s10lgrip1:w10 s left hand grip measurement 1(kg)	Cont
11	S11LGRIPI	s11lgrip1:w11 s left hand grip measurement 1(kg)	Cont
12	S12LGRIPI	s12lgrip1:w12 s left hand grip measurement 1(kg)	Cont
13	S13LGRIPI	s13lgrip1:w13 s left hand grip measurement 1(kg)	Cont
14	S14LGRIPI	s14lgrip1:w14 s left hand grip measurement 1(kg)	Cont
07	R7LGRIPI2	r7lgrip2:w7 r left hand grip measurement 2(kg)	Cont
08	R8LGRIPI2	r8lgrip2:w8 r left hand grip measurement 2(kg)	Cont
09	R9LGRIPI2	r9lgrip2:w9 r left hand grip measurement 2(kg)	Cont
10	R10LGRIPI2	r10lgrip2:w10 r left hand grip measurement 2(kg)	Cont
11	R11LGRIPI2	r11lgrip2:w11 r left hand grip measurement 2(kg)	Cont
12	R12LGRIPI2	r12lgrip2:w12 r left hand grip measurement 2(kg)	Cont
13	R13LGRIPI2	r13lgrip2:w13 r left hand grip measurement 2(kg)	Cont
14	R14LGRIPI2	r14lgrip2:w14 r left hand grip measurement 2(kg)	Cont
07	S7LGRIPI2	s7lgrip2:w7 s left hand grip measurement 2(kg)	Cont
08	S8LGRIPI2	s8lgrip2:w8 s left hand grip measurement 2(kg)	Cont
09	S9LGRIPI2	s9lgrip2:w9 s left hand grip measurement 2(kg)	Cont
10	S10LGRIPI2	s10lgrip2:w10 s left hand grip measurement 2(kg)	Cont
11	S11LGRIPI2	s11lgrip2:w11 s left hand grip measurement 2(kg)	Cont
12	S12LGRIPI2	s12lgrip2:w12 s left hand grip measurement 2(kg)	Cont
13	S13LGRIPI2	s13lgrip2:w13 s left hand grip measurement 2(kg)	Cont
14	S14LGRIPI2	s14lgrip2:w14 s left hand grip measurement 2(kg)	Cont
07	R7RGRIP1	r7rgrip1:w7 r right hand grip measurement 1(kg)	Cont
08	R8RGRIP1	r8rgrip1:w8 r right hand grip measurement 1(kg)	Cont
09	R9RGRIP1	r9rgrip1:w9 r right hand grip measurement 1(kg)	Cont

10	R10RGRIP1	r10rgrip1:w10	r	right hand grip measurement 1(kg)	Cont
11	R11RGRIP1	r11rgrip1:w11	r	right hand grip measurement 1(kg)	Cont
12	R12RGRIP1	r12rgrip1:w12	r	right hand grip measurement 1(kg)	Cont
13	R13RGRIP1	r13rgrip1:w13	r	right hand grip measurement 1(kg)	Cont
14	R14RGRIP1	r14rgrip1:w14	r	right hand grip measurement 1(kg)	Cont
07	S7RGRIP1	s7rgrip1:w7	s	right hand grip measurement 1(kg)	Cont
08	S8RGRIP1	s8rgrip1:w8	s	right hand grip measurement 1(kg)	Cont
09	S9RGRIP1	s9rgrip1:w9	s	right hand grip measurement 1(kg)	Cont
10	S10RGRIP1	s10rgrip1:w10	s	right hand grip measurement 1(kg)	Cont
11	S11RGRIP1	s11rgrip1:w11	s	right hand grip measurement 1(kg)	Cont
12	S12RGRIP1	s12rgrip1:w12	s	right hand grip measurement 1(kg)	Cont
13	S13RGRIP1	s13rgrip1:w13	s	right hand grip measurement 1(kg)	Cont
14	S14RGRIP1	s14rgrip1:w14	s	right hand grip measurement 1(kg)	Cont
07	R7RGRIP2	r7rgrip2:w7	r	right hand grip measurement 2(kg)	Cont
08	R8RGRIP2	r8rgrip2:w8	r	right hand grip measurement 2(kg)	Cont
09	R9RGRIP2	r9rgrip2:w9	r	right hand grip measurement 2(kg)	Cont
10	R10RGRIP2	r10rgrip2:w10	r	right hand grip measurement 2(kg)	Cont
11	R11RGRIP2	r11rgrip2:w11	r	right hand grip measurement 2(kg)	Cont
12	R12RGRIP2	r12rgrip2:w12	r	right hand grip measurement 2(kg)	Cont
13	R13RGRIP2	r13rgrip2:w13	r	right hand grip measurement 2(kg)	Cont
14	R14RGRIP2	r14rgrip2:w14	r	right hand grip measurement 2(kg)	Cont
07	S7RGRIP2	s7rgrip2:w7	s	right hand grip measurement 2(kg)	Cont
08	S8RGRIP2	s8rgrip2:w8	s	right hand grip measurement 2(kg)	Cont
09	S9RGRIP2	s9rgrip2:w9	s	right hand grip measurement 2(kg)	Cont
10	S10RGRIP2	s10rgrip2:w10	s	right hand grip measurement 2(kg)	Cont
11	S11RGRIP2	s11rgrip2:w11	s	right hand grip measurement 2(kg)	Cont
12	S12RGRIP2	s12rgrip2:w12	s	right hand grip measurement 2(kg)	Cont
13	S13RGRIP2	s13rgrip2:w13	s	right hand grip measurement 2(kg)	Cont
14	S14RGRIP2	s14rgrip2:w14	s	right hand grip measurement 2(kg)	Cont
07	R7LGRIP	r7lgrip:w7	r	maximum left hand grip measurement(kg)	Cont
08	R8LGRIP	r8lgrip:w8	r	maximum left hand grip measurement(kg)	Cont
09	R9LGRIP	r9lgrip:w9	r	maximum left hand grip measurement(kg)	Cont
10	R10LGRIP	r10lgrip:w10	r	maximum left hand grip measurement(kg)	Cont
11	R11LGRIP	r11lgrip:w11	r	maximum left hand grip measurement(kg)	Cont
12	R12LGRIP	r12lgrip:w12	r	maximum left hand grip measurement(kg)	Cont
13	R13LGRIP	r13lgrip:w13	r	maximum left hand grip measurement(kg)	Cont
14	R14LGRIP	r14lgrip:w14	r	maximum left hand grip measurement(kg)	Cont
07	S7LGRIP	s7lgrip:w7	s	maximum left hand grip measurement(kg)	Cont
08	S8LGRIP	s8lgrip:w8	s	maximum left hand grip measurement(kg)	Cont
09	S9LGRIP	s9lgrip:w9	s	maximum left hand grip measurement(kg)	Cont
10	S10LGRIP	s10lgrip:w10	s	maximum left hand grip measurement(kg)	Cont
11	S11LGRIP	s11lgrip:w11	s	maximum left hand grip measurement(kg)	Cont
12	S12LGRIP	s12lgrip:w12	s	maximum left hand grip measurement(kg)	Cont
13	S13LGRIP	s13lgrip:w13	s	maximum left hand grip measurement(kg)	Cont
14	S14LGRIP	s14lgrip:w14	s	maximum left hand grip measurement(kg)	Cont
07	R7RGRIP	r7rgrip:w7	r	maximum right hand grip measurement(kg)	Cont
08	R8RGRIP	r8rgrip:w8	r	maximum right hand grip measurement(kg)	Cont
09	R9RGRIP	r9rgrip:w9	r	maximum right hand grip measurement(kg)	Cont
10	R10RGRIP	r10rgrip:w10	r	maximum right hand grip measurement(kg)	Cont
11	R11RGRIP	r11rgrip:w11	r	maximum right hand grip measurement(kg)	Cont
12	R12RGRIP	r12rgrip:w12	r	maximum right hand grip measurement(kg)	Cont
13	R13RGRIP	r13rgrip:w13	r	maximum right hand grip measurement(kg)	Cont
14	R14RGRIP	r14rgrip:w14	r	maximum right hand grip measurement(kg)	Cont
07	S7RGRIP	s7rgrip:w7	s	maximum right hand grip measurement(kg)	Cont
08	S8RGRIP	s8rgrip:w8	s	maximum right hand grip measurement(kg)	Cont
09	S9RGRIP	s9rgrip:w9	s	maximum right hand grip measurement(kg)	Cont

10	S10RGRIP	s10rgrip:w10	s	maximum right hand grip measurement (kg)	Cont
11	S11RGRIP	s11rgrip:w11	s	maximum right hand grip measurement (kg)	Cont
12	S12RGRIP	s12rgrip:w12	s	maximum right hand grip measurement (kg)	Cont
13	S13RGRIP	s13rgrip:w13	s	maximum right hand grip measurement (kg)	Cont
14	S14RGRIP	s14rgrip:w14	s	maximum right hand grip measurement (kg)	Cont
07	R7GRIPSUM	r7gripsum:w7	r	dominant hand grip strength (kg)	Cont
08	R8GRIPSUM	r8gripsum:w8	r	dominant hand grip strength (kg)	Cont
09	R9GRIPSUM	r9gripsum:w9	r	dominant hand grip strength (kg)	Cont
10	R10GRIPSUM	r10gripsum:w10	r	dominant hand grip strength (kg)	Cont
11	R11GRIPSUM	r11gripsum:w11	r	dominant hand grip strength (kg)	Cont
12	R12GRIPSUM	r12gripsum:w12	r	dominant hand grip strength (kg)	Cont
13	R13GRIPSUM	r13gripsum:w13	r	dominant hand grip strength (kg)	Cont
14	R14GRIPSUM	r14gripsum:w14	r	dominant hand grip strength (kg)	Cont
07	S7GRIPSUM	s7gripsum:w7	s	dominant hand grip strength (kg)	Cont
08	S8GRIPSUM	s8gripsum:w8	s	dominant hand grip strength (kg)	Cont
09	S9GRIPSUM	s9gripsum:w9	s	dominant hand grip strength (kg)	Cont
10	S10GRIPSUM	s10gripsum:w10	s	dominant hand grip strength (kg)	Cont
11	S11GRIPSUM	s11gripsum:w11	s	dominant hand grip strength (kg)	Cont
12	S12GRIPSUM	s12gripsum:w12	s	dominant hand grip strength (kg)	Cont
13	S13GRIPSUM	s13gripsum:w13	s	dominant hand grip strength (kg)	Cont
14	S14GRIPSUM	s14gripsum:w14	s	dominant hand grip strength (kg)	Cont
07	R7GRIPCOMP	r7gripcomp:w7	r	willing and able to complete grip strength	t Categ
08	R8GRIPCOMP	r8gripcomp:w8	r	willing and able to complete grip strength	t Categ
09	R9GRIPCOMP	r9gripcomp:w9	r	willing and able to complete grip strength	t Categ
10	R10GRIPCOMP	r10gripcomp:w10	r	willing and able to complete grip strength	t Categ
11	R11GRIPCOMP	r11gripcomp:w11	r	willing and able to complete grip strength	t Categ
12	R12GRIPCOMP	r12gripcomp:w12	r	willing and able to complete grip strength	t Categ
13	R13GRIPCOMP	r13gripcomp:w13	r	willing and able to complete grip strength	t Categ
14	R14GRIPCOMP	r14gripcomp:w14	r	willing and able to complete grip strength	t Categ
07	S7GRIPCOMP	s7gripcomp:w7	s	willing and able to complete grip strength	t Categ
08	S8GRIPCOMP	s8gripcomp:w8	s	willing and able to complete grip strength	t Categ
09	S9GRIPCOMP	s9gripcomp:w9	s	willing and able to complete grip strength	t Categ
10	S10GRIPCOMP	s10gripcomp:w10	s	willing and able to complete grip strength	t Categ
11	S11GRIPCOMP	s11gripcomp:w11	s	willing and able to complete grip strength	t Categ
12	S12GRIPCOMP	s12gripcomp:w12	s	willing and able to complete grip strength	t Categ
13	S13GRIPCOMP	s13gripcomp:w13	s	willing and able to complete grip strength	t Categ
14	S14GRIPCOMP	s14gripcomp:w14	s	willing and able to complete grip strength	t Categ
07	R7GRIPLEFF	r7gripeff:w7	r	amount of effort	r gave grip strength test Categ
08	R8GRIPLEFF	r8gripeff:w8	r	amount of effort	r gave grip strength test Categ
09	R9GRIPLEFF	r9gripeff:w9	r	amount of effort	r gave grip strength test Categ
10	R10GRIPLEFF	r10gripeff:w10	r	amount of effort	r gave grip strength test Categ
11	R11GRIPLEFF	r11gripeff:w11	r	amount of effort	r gave grip strength test Categ
12	R12GRIPLEFF	r12gripeff:w12	r	amount of effort	r gave grip strength test Categ
13	R13GRIPLEFF	r13gripeff:w13	r	amount of effort	r gave grip strength test Categ
14	R14GRIPLEFF	r14gripeff:w14	r	amount of effort	r gave grip strength test Categ
07	S7GRIPLEFF	s7gripeff:w7	s	amount of effort	s gave grip strength test Categ
08	S8GRIPLEFF	s8gripeff:w8	s	amount of effort	s gave grip strength test Categ
09	S9GRIPLEFF	s9gripeff:w9	s	amount of effort	s gave grip strength test Categ
10	S10GRIPLEFF	s10gripeff:w10	s	amount of effort	s gave grip strength test Categ
11	S11GRIPLEFF	s11gripeff:w11	s	amount of effort	s gave grip strength test Categ
12	S12GRIPLEFF	s12gripeff:w12	s	amount of effort	s gave grip strength test Categ
13	S13GRIPLEFF	s13gripeff:w13	s	amount of effort	s gave grip strength test Categ
14	S14GRIPLEFF	s14gripeff:w14	s	amount of effort	s gave grip strength test Categ
07	R7GRIPPOS	r7gripupos:w7	r	's position for grip strength test	Categ
08	R8GRIPPOS	r8gripupos:w8	r	's position for grip strength test	Categ
09	R9GRIPPOS	r9gripupos:w9	r	's position for grip strength test	Categ



10	R10GRIPPOS	r10grippos:w10	r's position for grip strength test	Categ
11	R11GRIPPOS	r11grippos:w11	r's position for grip strength test	Categ
12	R12GRIPPOS	r12grippos:w12	r's position for grip strength test	Categ
13	R13GRIPPOS	r13grippos:w13	r's position for grip strength test	Categ
14	R14GRIPPOS	r14grippos:w14	r's position for grip strength test	Categ
07	S7GRIPPOS	s7grippos:w7	s's position for grip strength test	Categ
08	S8GRIPPOS	s8grippos:w8	s's position for grip strength test	Categ
09	S9GRIPPOS	s9grippos:w9	s's position for grip strength test	Categ
10	S10GRIPPOS	s10grippos:w10	s's position for grip strength test	Categ
11	S11GRIPPOS	s11grippos:w11	s's position for grip strength test	Categ
12	S12GRIPPOS	s12grippos:w12	s's position for grip strength test	Categ
13	S13GRIPPOS	s13grippos:w13	s's position for grip strength test	Categ
14	S14GRIPPOS	s14grippos:w14	s's position for grip strength test	Categ
07	R7GRIPRSTA	r7griprsta:w7	r rested arms on a support during grip strengt	Categ
08	R8GRIPRSTA	r8griprsta:w8	r rested arms on a support during grip strengt	Categ
09	R9GRIPRSTA	r9griprsta:w9	r rested arms on a support during grip strengt	Categ
10	R10GRIPRSTA	r10griprsta:w10	r rested arms on a support during grip stren	Categ
11	R11GRIPRSTA	r11griprsta:w11	r rested arms on a support during grip stren	Categ
12	R12GRIPRSTA	r12griprsta:w12	r rested arms on a support during grip stren	Categ
13	R13GRIPRSTA	r13griprsta:w13	r rested arms on a support during grip stren	Categ
14	R14GRIPRSTA	r14griprsta:w14	r rested arms on a support during grip stren	Categ
07	S7GRIPRSTA	s7griprsta:w7	s rested arms on a support during grip strengt	Categ
08	S8GRIPRSTA	s8griprsta:w8	s rested arms on a support during grip strengt	Categ
09	S9GRIPRSTA	s9griprsta:w9	s rested arms on a support during grip strengt	Categ
10	S10GRIPRSTA	s10griprsta:w10	s rested arms on a support during grip stren	Categ
11	S11GRIPRSTA	s11griprsta:w11	s rested arms on a support during grip stren	Categ
12	S12GRIPRSTA	s12griprsta:w12	s rested arms on a support during grip stren	Categ
13	S13GRIPRSTA	s13griprsta:w13	s rested arms on a support during grip stren	Categ
14	S14GRIPRSTA	s14griprsta:w14	s rested arms on a support during grip stren	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7DOMHAND	3066	1.11	0.36	1.00	3.00
R8DOMHAND	7408	1.11	0.37	1.00	3.00
R9DOMHAND	6692	1.12	0.38	1.00	3.00
R10DOMHAND	8689	1.12	0.37	1.00	3.00
R11DOMHAND	8180	1.12	0.36	1.00	3.00
R12DOMHAND	7728	1.12	0.37	1.00	3.00
R13DOMHAND	7992	1.13	0.38	1.00	3.00
R14DOMHAND	6980	1.12	0.37	1.00	3.00
S7DOMHAND	1961	1.11	0.36	1.00	3.00
S8DOMHAND	4982	1.11	0.36	1.00	3.00
S9DOMHAND	4214	1.13	0.39	1.00	3.00
S10DOMHAND	5520	1.11	0.36	1.00	3.00
S11DOMHAND	5080	1.12	0.36	1.00	3.00
S12DOMHAND	4732	1.12	0.37	1.00	3.00
S13DOMHAND	4682	1.13	0.38	1.00	3.00
S14DOMHAND	3989	1.12	0.36	1.00	3.00
R7LGRIPI	3005	26.17	10.78	0.00	72.00
R8LGRIPI	7265	27.44	10.71	0.50	67.50
R9LGRIPI	6561	26.05	10.23	0.00	85.00
R10LGRIPI	8533	27.40	10.43	0.00	100.00
R11LGRIPI	8011	26.45	10.33	0.00	67.50
R12LGRIPI	7491	26.06	9.94	0.00	67.50
R13LGRIPI	7773	26.23	10.25	0.00	100.00
R14LGRIPI	6751	25.68	9.79	1.00	100.00

S7LGRIPI1	1923	28.20	10.85	0.00	72.00
S8LGRIPI1	4910	29.23	10.77	0.50	67.50
S9LGRIPI1	4133	28.07	10.33	0.00	85.00
S10LGRIPI1	5432	28.97	10.36	0.00	72.00
S11LGRIPI1	4994	28.06	10.40	0.00	67.00
S12LGRIPI1	4607	27.71	9.92	0.50	65.50
S13LGRIPI1	4571	27.73	10.27	0.00	100.00
S14LGRIPI1	3864	27.26	9.83	1.00	100.00
R7LGRIPI2	3002	27.18	11.02	0.00	70.00
R8LGRIPI2	7252	28.58	11.00	0.50	74.50
R9LGRIPI2	6541	26.99	10.53	0.00	74.00
R10LGRIPI2	8523	28.41	10.77	0.00	100.00
R11LGRIPI2	7996	27.46	10.64	0.00	74.00
R12LGRIPI2	7484	26.91	10.18	0.00	66.50
R13LGRIPI2	7764	27.09	10.51	0.00	70.50
R14LGRIPI2	6744	26.57	9.98	1.50	100.00
S7LGRIPI2	1922	29.34	11.01	0.00	70.00
S8LGRIPI2	4904	30.44	11.05	0.50	74.50
S9LGRIPI2	4128	29.10	10.62	0.00	74.00
S10LGRIPI2	5428	30.08	10.71	0.00	100.00
S11LGRIPI2	4985	29.17	10.72	0.00	74.00
S12LGRIPI2	4602	28.62	10.15	0.00	66.00
S13LGRIPI2	4569	28.68	10.50	0.00	70.00
S14LGRIPI2	3860	28.21	10.08	2.00	100.00
R7RGRIP1	2999	29.02	11.16	0.00	69.00
R8RGRIP1	7262	30.04	11.09	0.00	98.00
R9RGRIP1	6572	28.81	10.93	0.00	74.00
R10RGRIP1	8489	30.28	11.16	0.00	100.00
R11RGRIP1	7991	29.37	11.05	0.00	74.00
R12RGRIP1	7439	28.81	10.62	0.00	100.00
R13RGRIP1	7721	29.08	10.96	0.00	90.00
R14RGRIP1	6735	28.48	10.34	0.00	100.00
S7RGRIP1	1914	31.24	11.08	0.00	69.00
S8RGRIP1	4905	31.98	11.14	0.00	98.00
S9RGRIP1	4155	31.01	10.95	0.00	74.00
S10RGRIP1	5421	32.01	11.10	0.00	100.00
S11RGRIP1	4972	31.20	11.08	0.00	71.00
S12RGRIP1	4572	30.58	10.67	0.00	100.00
S13RGRIP1	4547	30.79	10.92	0.00	90.00
S14RGRIP1	3852	30.22	10.49	0.00	100.00
R7RGRIP2	2996	29.65	11.36	0.00	75.00
R8RGRIP2	7247	30.76	11.24	0.50	100.00
R9RGRIP2	6558	29.50	11.20	0.00	100.00
R10RGRIP2	8480	31.02	11.32	0.00	77.00
R11RGRIP2	7971	30.00	11.20	0.00	75.50
R12RGRIP2	7428	29.31	10.76	0.00	69.50
R13RGRIP2	7711	29.59	11.11	0.00	100.00
R14RGRIP2	6730	29.02	10.45	0.00	77.00
S7RGRIP2	1912	31.93	11.25	0.00	75.00
S8RGRIP2	4898	32.74	11.29	0.50	100.00
S9RGRIP2	4152	31.71	11.27	0.00	100.00
S10RGRIP2	5417	32.77	11.27	0.00	77.00
S11RGRIP2	4964	31.85	11.27	0.00	70.00
S12RGRIP2	4567	31.08	10.80	0.00	67.50
S13RGRIP2	4544	31.35	11.05	0.00	100.00
S14RGRIP2	3848	30.81	10.57	1.00	77.00

R7LGRIIP	3006	27.85	11.08	0.00	72.00
R8LGRIIP	7268	29.18	11.00	0.50	74.50
R9LGRIIP	6561	27.61	10.51	0.00	85.00
R10LGRIIP	8535	29.07	10.77	0.00	100.00
R11LGRIIP	8013	28.08	10.64	0.00	74.00
R12LGRIIP	7493	27.58	10.20	0.00	67.50
R13LGRIIP	7773	27.82	10.55	0.00	100.00
R14LGRIIP	6752	27.26	10.03	2.00	100.00
S7LGRIIP	1924	30.00	11.10	0.00	72.00
S8LGRIIP	4913	31.04	11.05	0.50	74.50
S9LGRIIP	4133	29.73	10.61	0.00	85.00
S10LGRIIP	5432	30.71	10.70	0.00	100.00
S11LGRIIP	4994	29.78	10.71	0.00	74.00
S12LGRIIP	4608	29.30	10.16	0.50	66.00
S13LGRIIP	4571	29.42	10.55	0.00	100.00
S14LGRIIP	3865	28.89	10.10	3.00	100.00
R7RGRIP	3000	30.40	11.38	0.00	75.00
R8RGRIP	7264	31.42	11.27	0.50	100.00
R9RGRIP	6572	30.15	11.17	0.00	100.00
R10RGRIP	8490	31.68	11.37	0.00	100.00
R11RGRIP	7992	30.68	11.21	0.00	75.50
R12RGRIP	7440	30.03	10.76	0.00	100.00
R13RGRIP	7721	30.40	11.14	0.00	100.00
R14RGRIP	6735	29.77	10.50	0.00	100.00
S7RGRIP	1914	32.70	11.29	0.00	75.00
S8RGRIP	4907	33.42	11.30	0.50	100.00
S9RGRIP	4155	32.39	11.20	0.00	100.00
S10RGRIP	5421	33.43	11.31	0.00	100.00
S11RGRIP	4972	32.55	11.27	0.00	71.00
S12RGRIP	4573	31.84	10.80	0.00	100.00
S13RGRIP	4547	32.16	11.07	0.00	100.00
S14RGRIP	3852	31.58	10.63	5.00	100.00
R7GRIPSUM	3003	30.51	11.39	0.00	75.00
R8GRIPSUM	7279	31.49	11.29	0.50	100.00
R9GRIPSUM	6584	30.22	11.14	0.00	100.00
R10GRIPSUM	8501	31.72	11.35	0.00	100.00
R11GRIPSUM	8006	30.72	11.18	0.00	75.50
R12GRIPSUM	7463	30.14	10.78	0.00	100.00
R13GRIPSUM	7737	30.48	11.10	0.00	100.00
R14GRIPSUM	6747	29.85	10.50	3.00	77.00
S7GRIPSUM	1915	32.82	11.29	1.80	75.00
S8GRIPSUM	4915	33.47	11.33	0.50	100.00
S9GRIPSUM	4158	32.47	11.19	0.00	100.00
S10GRIPSUM	5427	33.47	11.31	0.00	100.00
S11GRIPSUM	4978	32.61	11.24	0.00	71.00
S12GRIPSUM	4588	31.99	10.80	0.00	100.00
S13GRIPSUM	4555	32.22	11.06	0.00	100.00
S14GRIPSUM	3859	31.67	10.58	5.00	77.00
R7GRIPCOMP	3447	0.89	0.31	0.00	1.00
R8GRIPCOMP	7788	0.95	0.22	0.00	1.00
R9GRIPCOMP	6926	0.97	0.18	0.00	1.00
R10GRIPCOMP	8978	0.97	0.18	0.00	1.00
R11GRIPCOMP	8512	0.96	0.19	0.00	1.00
R12GRIPCOMP	7997	0.96	0.19	0.00	1.00
R13GRIPCOMP	8319	0.96	0.20	0.00	1.00
R14GRIPCOMP	7283	0.96	0.20	0.00	1.00

S7GRIPCOMP	2156	0.91	0.29	0.00	1.00
S8GRIPCOMP	5169	0.96	0.19	0.00	1.00
S9GRIPCOMP	4335	0.97	0.16	0.00	1.00
S10GRIPCOMP	5674	0.97	0.16	0.00	1.00
S11GRIPCOMP	5232	0.97	0.17	0.00	1.00
S12GRIPCOMP	4861	0.97	0.17	0.00	1.00
S13GRIPCOMP	4842	0.97	0.18	0.00	1.00
S14GRIPCOMP	4132	0.96	0.19	0.00	1.00
R7GRIFEFF	3064	1.01	0.13	1.00	3.00
R8GRIFEFF	7408	1.02	0.13	1.00	3.00
R9GRIFEFF	6695	1.02	0.14	1.00	3.00
R10GRIFEFF	8690	1.01	0.12	1.00	3.00
R11GRIFEFF	8183	1.02	0.14	1.00	3.00
R12GRIFEFF	7704	1.02	0.16	1.00	3.00
R13GRIFEFF	7971	1.01	0.14	1.00	3.00
R14GRIFEFF	6966	1.02	0.15	1.00	3.00
S7GRIFEFF	1959	1.01	0.12	1.00	3.00
S8GRIFEFF	4982	1.01	0.12	1.00	3.00
S9GRIFEFF	4215	1.01	0.13	1.00	3.00
S10GRIFEFF	5520	1.01	0.10	1.00	3.00
S11GRIFEFF	5082	1.01	0.12	1.00	3.00
S12GRIFEFF	4715	1.02	0.15	1.00	3.00
S13GRIFEFF	4674	1.01	0.13	1.00	3.00
S14GRIFEFF	3981	1.01	0.15	1.00	3.00
R7GRIPPOS	3063	1.12	0.33	1.00	3.00
R8GRIPPOS	7408	1.05	0.22	1.00	3.00
R9GRIPPOS	6695	1.04	0.21	1.00	3.00
R10GRIPPOS	8690	1.03	0.16	1.00	3.00
R11GRIPPOS	8183	1.05	0.21	1.00	3.00
R12GRIPPOS	7702	1.05	0.22	1.00	3.00
R13GRIPPOS	7970	1.06	0.23	1.00	3.00
R14GRIPPOS	6966	1.05	0.22	1.00	3.00
S7GRIPPOS	1959	1.10	0.30	1.00	2.00
S8GRIPPOS	4982	1.04	0.20	1.00	3.00
S9GRIPPOS	4215	1.03	0.17	1.00	3.00
S10GRIPPOS	5520	1.02	0.14	1.00	2.00
S11GRIPPOS	5082	1.03	0.19	1.00	3.00
S12GRIPPOS	4714	1.04	0.19	1.00	3.00
S13GRIPPOS	4673	1.05	0.21	1.00	3.00
S14GRIPPOS	3981	1.04	0.19	1.00	3.00
R7GRIPRSTA	3064	0.16	0.36	0.00	1.00
R8GRIPRSTA	7408	0.03	0.16	0.00	1.00
R9GRIPRSTA	6695	0.03	0.17	0.00	1.00
R10GRIPRSTA	8690	0.02	0.15	0.00	1.00
R11GRIPRSTA	8182	0.03	0.16	0.00	1.00
R12GRIPRSTA	7704	0.10	0.30	0.00	1.00
R13GRIPRSTA	7971	0.17	0.37	0.00	1.00
R14GRIPRSTA	6966	0.09	0.29	0.00	1.00
S7GRIPRSTA	1959	0.16	0.36	0.00	1.00
S8GRIPRSTA	4982	0.02	0.15	0.00	1.00
S9GRIPRSTA	4215	0.02	0.14	0.00	1.00
S10GRIPRSTA	5520	0.02	0.14	0.00	1.00
S11GRIPRSTA	5082	0.02	0.15	0.00	1.00
S12GRIPRSTA	4715	0.10	0.30	0.00	1.00
S13GRIPRSTA	4674	0.16	0.37	0.00	1.00
S14GRIPRSTA	3981	0.09	0.28	0.00	1.00

## Categorical Variable Codes

Value-----	R7DOMHAND	R8DOMHAND	R9DOMHAND	R10DOMHAND
.d:DK			3	1
.m:Missing	1	6	5	26
.n:Not willing/able	379	380	231	288
.s:Skipped	16683	10675	10286	13030
1.Right hand	2779	6711	6012	7791
2.Left hand	234	563	545	763
3.Both hands equally domina	53	134	135	135

Value-----	R11DOMHAND	R12DOMHAND	R13DOMHAND	R14DOMHAND
.d:DK	3		1	
.m:Missing	3	1		
.n:Not willing/able	329	269	326	303
.s:Skipped	12039	10749	12593	9863
1.Right hand	7341	6883	7092	6221
2.Left hand	719	728	771	664
3.Both hands equally domina	120	117	129	95

Value-----	S7DOMHAND	S8DOMHAND	S9DOMHAND	S10DOMHAND
.d:DK			1	
.m:Missing		2	2	11
.n:Not willing/able	193	187	120	154
.s:Skipped	10813	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
1.Right hand	1782	4533	3764	4968
2.Left hand	148	365	366	471
3.Both hands equally domina	31	84	84	81

Value-----	S11DOMHAND	S12DOMHAND	S13DOMHAND	S14DOMHAND
.d:DK	2			
.m:Missing	1			
.n:Not willing/able	150	129	160	143
.s:Skipped	7243	6151	6936	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
1.Right hand	4553	4225	4158	3573
2.Left hand	460	434	450	367
3.Both hands equally domina	67	73	74	49

Value-----	R7GRIPCOMP	R8GRIPCOMP	R9GRIPCOMP	R10GRIPCOMP
.m:Missing		6	5	26
.s:Skipped	16682	10675	10286	13030
0.no	379	380	231	288
1.yes	3068	7408	6695	8690

Value-----	R11GRIPCOMP	R12GRIPCOMP	R13GRIPCOMP	R14GRIPCOMP
.m:Missing	3	1		
.s:Skipped	12039	10749	12593	9863
0.no	329	293	347	317
1.yes	8183	7704	7972	6966

Value-----	S7GRIPCOMP	S8GRIPCOMP	S9GRIPCOMP	S10GRIPCOMP
.m:Missing		2	2	11
.s:Skipped	10812	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	193	187	120	154
1.yes	1963	4982	4215	5520

Value-----	S11GRIPCOMP	S12GRIPCOMP	S13GRIPCOMP	S14GRIPCOMP
.m:Missing	1			
.s:Skipped	7243	6151	6936	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	150	146	168	151
1.yes	5082	4715	4674	3981

Value-----	R7GRIPLEFF	R8GRIPLEFF	R9GRIPLEFF	R10GRIPLEFF
.m:Missing		6	5	26
.n:Not willing/able	379	380	231	288

.r:Refuse		2			
.s:Skipped		16683	10675	10286	13030
1.Gave full effort		3027	7303	6596	8575
2.not full effort-illness		33	98	87	108
3.not full effort-no reason		4	7	12	7
Value-----	R11GRIPEFF	R12GRIPEFF	R13GRIPEFF	R14GRIPEFF	
.d:DK			1		
.m:Missing	3	1			
.n:Not willing/able	329	293	347	317	
.s:Skipped	12039	10749	12593	9863	
1.Gave full effort	8054	7587	7873	6884	
2.not full effort-illness	118	91	78	55	
3.not full effort-no reason	11	26	20	27	
Value-----		S7GRIPEFF	S8GRIPEFF	S9GRIPEFF	S10GRIPEFF
.m:Missing		1	2	2	11
.n:Not willing/able		193	187	120	154
.r:Refuse		2			
.s:Skipped		10813	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.Gave full effort		1940	4924	4166	5466
2.not full effort-illness		16	52	43	52
3.not full effort-no reason		3	6	6	2
Value-----	S11GRIPEFF	S12GRIPEFF	S13GRIPEFF	S14GRIPEFF	
.m:Missing	1				
.n:Not willing/able	150	146	168	151	
.s:Skipped	7243	6151	6936	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
1.Gave full effort	5017	4654	4628	3938	
2.not full effort-illness	62	47	33	29	
3.not full effort-no reason	3	14	13	14	
Value-----		R7GRIPPOS	R8GRIPPOS	R9GRIPPOS	R10GRIPPOS
.m:Missing		1	6	5	26
.n:Not willing/able		379	380	231	288
.r:Refuse		3			
.s:Skipped		16683	10675	10286	13030
1.Standing		2696	7027	6411	8458
2.Sitting		366	378	280	230
3.Lying down		1	3	4	2
Value-----	R11GRIPPOS	R12GRIPPOS	R13GRIPPOS	R14GRIPPOS	
.d:DK		2	2		
.m:Missing	3	1			
.n:Not willing/able	329	293	347	317	
.s:Skipped	12039	10749	12593	9863	
1.Standing	7818	7329	7542	6609	
2.Sitting	357	367	416	353	
3.Lying down	8	6	12	4	
Value-----		S7GRIPPOS	S8GRIPPOS	S9GRIPPOS	S10GRIPPOS
.m:Missing		1	2	2	11
.n:Not willing/able		193	187	120	154
.r:Refuse		2			
.s:Skipped		10813	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.Standing		1765	4790	4089	5416
2.Sitting		194	190	124	104
3.Lying down			2	2	
Value-----	S11GRIPPOS	S12GRIPPOS	S13GRIPPOS	S14GRIPPOS	
.d:DK		1	1		
.m:Missing	1				
.n:Not willing/able	150	146	168	151	
.s:Skipped	7243	6151	6936	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
1.Standing	4915	4535	4462	3835	
2.Sitting	162	178	207	145	
3.Lying down	5	1	4	1	

Value-----	R7GRIPRSTA	R8GRIPRSTA	R9GRIPRSTA	R10GRIPRSTA
.m:Missing	1	6	5	26
.n:Not willing/able	379	380	231	288
.r:Refuse	2			
.s:Skipped	16683	10675	10286	13030
0.no	2587	7208	6493	8481
1.yes	477	200	202	209

Value-----	R11GRIPRSTA	R12GRIPRSTA	R13GRIPRSTA	R14GRIPRSTA
.d:DK	1		1	
.m:Missing	3	1		
.n:Not willing/able	329	293	347	317
.s:Skipped	12039	10749	12593	9863
0.no	7959	6921	6630	6319
1.yes	223	783	1341	647

Value-----	S7GRIPRSTA	S8GRIPRSTA	S9GRIPRSTA	S10GRIPRSTA
.m:Missing	1	2	2	11
.n:Not willing/able	193	187	120	154
.r:Refuse	2			
.s:Skipped	10813	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	1655	4868	4133	5414
1.yes	304	114	82	106

Value-----	S11GRIPRSTA	S12GRIPRSTA	S13GRIPRSTA	S14GRIPRSTA
.m:Missing	1			
.n:Not willing/able	150	146	168	151
.s:Skipped	7243	6151	6936	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	4964	4250	3910	3630
1.yes	118	465	764	351

## How Constructed:

RwDOMHAND indicates the respondent's dominant hand. RwDOMHAND is coded as follows: 1.right hand, 2.left hand, and 3.both hands are equally dominant. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m. Special missing .n is assigned if the respondent did not complete the hand strength measurement due to a variety of reasons, including safety concerns or the respondent did not understand the instructions. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwDOMHAND indicates the current wave's spouse's dominant hand, and is taken from RwDOMHAND. In addition to the special missing codes used for RwDOMHAND, SwDOMHAND employs two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLGRIP1, RwLGRIP2, RwRGRIP1, and RwRGRIP2 indicate the respondent's first and second hand strength measurements for the left and right hand, respectively. RwLGRIP and RwRGRIP indicate the respondent's maximum hand strength measurement for the left and right hand, respectively. RwGRIPSUM indicates the maximum measurement of the dominant hand, as such, RwLGRIP is used for respondents with a dominant left hand, and RwRGRIP is used for respondents with a dominant right hand. For respondents with equally dominant hands, the greater value between RwLGRIP and RwRGRIP is used. Don't know, refused, or other missing responses of all hand strength measurements are assigned special missing codes .d, .r, .m. Special missing .l is assigned to RwLGRIP1, RwLGRIP2, RwLGRIP3, RwLGRIP, and RwGRIPSUM for respondents who were unable to perform the grip strength test using their left hand, starting in Wave 12. Special missing .t is assigned to RwRGRIP1, RwRGRIP2, RwRGRIP3, RwRGRIP, and RwGRIPSUM for respondents who were unable to perform the grip strength test using their right hand, starting in Wave 12. Special missing .i is assigned to grip strength readings with values of more than 100. Special missing .i is also assigned if the value of the hand strength measurements was invalid in wave 7. Special missing .x is assigned if the respondent tried to do the test but was unable to do it. Special missing .n is assigned if the respondent did not complete the hand strength measurement due to a variety of reasons, including safety concerns or the respondent did not understand the instructions. The special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not

selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwLGRIPI1, SwLGRIPI2, SwRGRIP1, and SwRGRIP2 indicate the current wave's spouse's first and second, left and right hand strength measurements, and is taken from the corresponding respondent variables. SwLGRIPI and SwRGRIP indicate the current wave's spouse's maximum hand strength measurement for the left and right hand, respectively. SwGRIPSUM indicates the current wave's spouse's dominant hand measurement, and is taken from the spouse's values to RwGRIPSUM. In addition to the special missing codes used by SwLGRIPI1, SwLGRIPI2, SwRGRIP1, SwRGRIP2, SwLGRIPI, SwRGRIP, and SwGRIPSUM, SwLGRIPI1, SwLGRIPI2, SwRGRIP1, SwRGRIP2, SwLGRIPI, SwRGRIP, and SwGRIPSUM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that some extreme values may remain in these variables and have been left to the discretion of the user. It may be useful to reference the following document for further consideration: [Physical Measures And Biomarkers](#).

RwGRIPCOMP indicates whether the respondent is willing and able to complete the grip strength tests. RwGRIPCOMP is coded as 1 if the respondent did not signal having had surgery or experiencing swelling, inflammation, severe pain, or injury in one or both hands within the last 6 months, the respondent understood the directions for the test, the respondent felt it would be safe to complete the test, and the respondent completed at least one trial of the hand strength test. RwGRIPCOMP is coded as 0 if the respondent did have surgery or experience swelling, inflammation, severe pain, or injury in one or both hands within the last 6 months, the respondent did not understand the instructions, the respondent expressed safety concerns, or the respondent did not complete any trials of the hand strength test. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. This measure is set to plain missing (.) for respondents who did not respond to the current wave.

SwGRIPCOMP indicates whether the respondent's current wave's spouse is willing and able to complete the grip strength test, and its values are taken from RwGRIPCOMP. In addition to the special missing codes employed by RwGRIPCOMP, SwGRIPCOMP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwGRIPPEFF indicates how much effort the interviewer reports the respondent using during the grip strength tests. RwGRIPPEFF is coded as follows: 1.respondent gave full effort, 2.respondent was prevented from giving full effort by illness, pain or other symptoms or discomforts, 3.respondent did not appear to give full effort, but no obvious reason for this. RwGRIPPOS indicates the respondent's position during the grip strength tests. RwGRIPPOS is coded as follows: 1.standing, 2.sitting, 3.lying down. RwGRIPRSTA indicates whether the respondent rested their arms on a support during the grip strength tests. RwGRIPRSTA is coded as 0.no if they did not rest either of their arms on a support, and 1.yes if they rested at least one arm on a support. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the hand strength measurement due to a variety of reasons, including safety concerns or the respondent did not understand the instructions. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. This measure is set to plain missing (.) for respondents who did not respond to the current wave.

SwGRIPPEFF, SwGRIPPOS, and SwGRIPRSTA indicate the respondent's current wave's spouse's effort reported by the interviewer during the grip strength test, position during the grip strength test, and whether they rested their arms on a support, and their values are taken from RwGRIPPEFF, RwGRIPPOS, and RwGRIPRSTA. In addition to the special missing codes employed by RwGRIPPEFF, RwGRIPPOS, and RwGRIPRSTA, SwGRIPPEFF, SwGRIPPOS, and SwGRIPRSTA employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS



Hand strength tests began in Wave 7, but they were only given to a random subsample of approximately 3300 respondents. Hand strength tests were given to a larger sample of respondents starting in Wave 8.

Special missing .i for HRS-reported "invalid" values in RwLGRIP1, RwLGRIP2, RwrGRIP1, RwrGRIP2, and RwrGRIPSUM is only used in Wave 7.

Starting in Wave 12, there are additional screening questions asking about any injury to the respondent's hands, and if so which hand, and their understanding of the directions and feelings of safety in completing the tests which determine whether the respondent participates in the hand strength tests. As a result of these questions, special missing .l and special missing .t values are used to indicate whether the respondent was unable to complete the test using their left or right hand, respectively.

Also starting in Wave 12, the interviewer is asked to report whether the respondent rested no hands, both hands, their left hand only, or their right hand only on a support during the grip strength tests. In previous waves, the interviewer is asked whether the respondent rested their arm on a support while performing the test with only yes and no as allowable responses.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

### HRS Variables Used:

#### Wave 7:

JA009	proxy/self interview
JA028	r in nursing home
JI800	physical measures ftf iw
JI801	certified physical measures
JI802	physical measures consent form
JI812	hand strength at least one trial
JI815	hand strength dominant hand
JI816	first left hand measurement
JI817	r effort hand strength test
JI818	r position hand strength test
JI819	rest arm during hand strength test
JI851	right hand first measurement
JI852	left hand second measurement
JI853	right hand second measurement
JZ227	selected phy measures module

#### Wave 8:

KA028	r in nursing home
KI800	physical measures ftf iw
KI802	physical measures consent form
KI812	hand strength complete one trial
KI815	grip dominant hand
KI816	left hand first
KI817	grip r effort
KI818	hand strength test r position
KI819	hand strength rest arm
KI851	right hand first
KI852	left hand second
KI853	right hand second

#### Wave 9:

LA028	r in nursing home
LI800	physical measures ftf iw
LI802	physical measures consent form
LI812	hand strength complete at least one trial
LI815	grip dominant hand
LI816	left hand first
LI817	grip r effort
LI818	hand strength test r position
LI819	hand strength rest arm
LI851	right hand first
LI852	left hand second
LI853	right hand second

## Wave 10:

MA028 r in nursing home  
MI800 physical measures ftf iw  
MI802 physical measures consent  
MI812 hand strength complete at least one trial  
MI815 grip dominant hand  
MI816 left hand first  
MI817 grip r effort  
MI818 hand strength test r position  
MI819 hand strength rest arm  
MI851 right hand first  
MI852 left hand second  
MI853 right hand second

## Wave 11:

NA028 r in nursing home  
NI800 physical measures ftf iw  
NI802 physical measures consent  
NI812 hand strength complete at least one trial  
NI815 grip dominant hand  
NI816 left hand first  
NI817 grip r effort  
NI818 hand strength test r position  
NI819 hand strength rest arm  
NI851 right hand first  
NI852 left hand second  
NI853 right hand second

## Wave 12:

OA028 r in nursing home  
OI800 physical measures ftf iw  
OI802 physical measures consent  
OI812 hand strength complete at least one trial  
OI815 grip dominant hand  
OI816 left hand first  
OI817 grip r effort  
OI818 hand strength test r position  
OI819 hand strength rest arm  
OI851 right hand first  
OI852 left hand second  
OI853 right hand second  
OI966 injury, pain or surgery on hand(s)  
OI967 affected hand(s)  
OI968 hand-strength safety question

## Wave 13:

PA028 r in nursing home  
PI800 physical measures ftf iw  
PI802 physical measures consent  
PI812 hand strength complete at least one trial  
PI815 grip dominant hand  
PI816 left hand first  
PI817 grip r effort  
PI818 hand strength test r position  
PI819 hand strength rest arm  
PI851 right hand first  
PI852 left hand second  
PI853 right hand second  
PI966 injury, pain or surgery on hand(s)  
PI967 affected hand(s)  
PI968 hand-strength safety question

## Wave 14:

QA028 r in nursing home  
QI800 physical measures ftf iw  
QI802 physical measures consent  
QI812 hand strength complete at least one trial

QI815	grip dominant hand
QI816	left hand first
QI817	grip r effort
QI818	hand strength test r position
QI819	hand strength rest arm
QI851	right hand first
QI852	left hand second
QI853	right hand second
QI966	injury, pain or surgery on hand(s)
QI967	affected hand(s)
QI968	hand-strength safety question

<b>Hand Grip Strength Measurements: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
07	R7GRIPSFT	r7gripsft:w7 r didn't complete grip: unsafe/health reason	Categ
08	R8GRIPSFT	r8gripsft:w8 r didn't complete grip: unsafe/health reason	Categ
09	R9GRIPSFT	r9gripsft:w9 r didn't complete grip: unsafe/health reason	Categ
10	R10GRIPSFT	r10gripsft:w10 r didn't complete grip: unsafe/health reason	Categ
11	R11GRIPSFT	r11gripsft:w11 r didn't complete grip: unsafe/health reason	Categ
12	R12GRIPSFT	r12gripsft:w12 r didn't complete grip: unsafe/health reason	Categ
13	R13GRIPSFT	r13gripsft:w13 r didn't complete grip: unsafe/health reason	Categ
14	R14GRIPSFT	r14gripsft:w14 r didn't complete grip: unsafe/health reason	Categ
07	S7GRIPSFT	s7gripsft:w7 s didn't complete grip: unsafe/health reason	Categ
08	S8GRIPSFT	s8gripsft:w8 s didn't complete grip: unsafe/health reason	Categ
09	S9GRIPSFT	s9gripsft:w9 s didn't complete grip: unsafe/health reason	Categ
10	S10GRIPSFT	s10gripsft:w10 s didn't complete grip: unsafe/health reason	Categ
11	S11GRIPSFT	s11gripsft:w11 s didn't complete grip: unsafe/health reason	Categ
12	S12GRIPSFT	s12gripsft:w12 s didn't complete grip: unsafe/health reason	Categ
13	S13GRIPSFT	s13gripsft:w13 s didn't complete grip: unsafe/health reason	Categ
14	S14GRIPSFT	s14gripsft:w14 s didn't complete grip: unsafe/health reason	Categ
07	R7GRIPREF	r7gripref:w7 r didn't complete grip: refused	Categ
08	R8GRIPREF	r8gripref:w8 r didn't complete grip: refused	Categ
09	R9GRIPREF	r9gripref:w9 r didn't complete grip: refused	Categ
10	R10GRIPREF	r10gripref:w10 r didn't complete grip: refused	Categ
11	R11GRIPREF	r11gripref:w11 r didn't complete grip: refused	Categ
12	R12GRIPREF	r12gripref:w12 r didn't complete grip: refused	Categ
13	R13GRIPREF	r13gripref:w13 r didn't complete grip: refused	Categ
14	R14GRIPREF	r14gripref:w14 r didn't complete grip: refused	Categ
07	S7GRIPREF	s7gripref:w7 s didn't complete grip: refused	Categ
08	S8GRIPREF	s8gripref:w8 s didn't complete grip: refused	Categ
09	S9GRIPREF	s9gripref:w9 s didn't complete grip: refused	Categ
10	S10GRIPREF	s10gripref:w10 s didn't complete grip: refused	Categ
11	S11GRIPREF	s11gripref:w11 s didn't complete grip: refused	Categ
12	S12GRIPREF	s12gripref:w12 s didn't complete grip: refused	Categ
13	S13GRIPREF	s13gripref:w13 s didn't complete grip: refused	Categ
14	S14GRIPREF	s14gripref:w14 s didn't complete grip: refused	Categ
07	R7GRIPTRYU	r7griptryu:w7 r didn't complete grip: tried but unable	Categ
08	R8GRIPTRYU	r8griptryu:w8 r didn't complete grip: tried but unable	Categ
09	R9GRIPTRYU	r9griptryu:w9 r didn't complete grip: tried but unable	Categ
10	R10GRIPTRYU	r10griptryu:w10 r didn't complete grip: tried but unable	Categ
11	R11GRIPTRYU	r11griptryu:w11 r didn't complete grip: tried but unable	Categ
12	R12GRIPTRYU	r12griptryu:w12 r didn't complete grip: tried but unable	Categ
13	R13GRIPTRYU	r13griptryu:w13 r didn't complete grip: tried but unable	Categ
14	R14GRIPTRYU	r14griptryu:w14 r didn't complete grip: tried but unable	Categ
07	S7GRIPTRYU	s7griptryu:w7 s didn't complete grip: tried but unable	Categ
08	S8GRIPTRYU	s8griptryu:w8 s didn't complete grip: tried but unable	Categ
09	S9GRIPTRYU	s9griptryu:w9 s didn't complete grip: tried but unable	Categ
10	S10GRIPTRYU	s10griptryu:w10 s didn't complete grip: tried but unable	Categ
11	S11GRIPTRYU	s11griptryu:w11 s didn't complete grip: tried but unable	Categ
12	S12GRIPTRYU	s12griptryu:w12 s didn't complete grip: tried but unable	Categ
13	S13GRIPTRYU	s13griptryu:w13 s didn't complete grip: tried but unable	Categ
14	S14GRIPTRYU	s14griptryu:w14 s didn't complete grip: tried but unable	Categ
07	R7GRIPLEQUP	r7gripequp:w7 r didn't complete grip: faulty equipment/space	Categ
08	R8GRIPLEQUP	r8gripequp:w8 r didn't complete grip: faulty equipment/space	Categ
09	R9GRIPLEQUP	r9gripequp:w9 r didn't complete grip: faulty equipment/space	Categ

10	R10GRIPEQUP	r10gripequp:w10	r	didn't complete grip: faulty equipment/spa	Categ
11	R11GRIPEQUP	r11gripequp:w11	r	didn't complete grip: faulty equipment/spa	Categ
12	R12GRIPEQUP	r12gripequp:w12	r	didn't complete grip: faulty equipment/spa	Categ
13	R13GRIPEQUP	r13gripequp:w13	r	didn't complete grip: faulty equipment/spa	Categ
14	R14GRIPEQUP	r14gripequp:w14	r	didn't complete grip: faulty equipment/spa	Categ
07	S7GRIPEQUP	s7gripequp:w7	s	didn't complete grip: faulty equipment/space	Categ
08	S8GRIPEQUP	s8gripequp:w8	s	didn't complete grip: faulty equipment/space	Categ
09	S9GRIPEQUP	s9gripequp:w9	s	didn't complete grip: faulty equipment/space	Categ
10	S10GRIPEQUP	s10gripequp:w10	s	didn't complete grip: faulty equipment/spa	Categ
11	S11GRIPEQUP	s11gripequp:w11	s	didn't complete grip: faulty equipment/spa	Categ
12	S12GRIPEQUP	s12gripequp:w12	s	didn't complete grip: faulty equipment/spa	Categ
13	S13GRIPEQUP	s13gripequp:w13	s	didn't complete grip: faulty equipment/spa	Categ
14	S14GRIPEQUP	s14gripequp:w14	s	didn't complete grip: faulty equipment/spa	Categ
07	R7GRIPOTHR	r7gripotthr:w7	r	didn't complete grip: other reason	Categ
08	R8GRIPOTHR	r8gripotthr:w8	r	didn't complete grip: other reason	Categ
09	R9GRIPOTHR	r9gripotthr:w9	r	didn't complete grip: other reason	Categ
10	R10GRIPOTHR	r10gripotthr:w10	r	didn't complete grip: other reason	Categ
11	R11GRIPOTHR	r11gripotthr:w11	r	didn't complete grip: other reason	Categ
12	R12GRIPOTHR	r12gripotthr:w12	r	didn't complete grip: other reason	Categ
13	R13GRIPOTHR	r13gripotthr:w13	r	didn't complete grip: other reason	Categ
14	R14GRIPOTHR	r14gripotthr:w14	r	didn't complete grip: other reason	Categ
07	S7GRIPOTHR	s7gripotthr:w7	s	didn't complete grip: other reason	Categ
08	S8GRIPOTHR	s8gripotthr:w8	s	didn't complete grip: other reason	Categ
09	S9GRIPOTHR	s9gripotthr:w9	s	didn't complete grip: other reason	Categ
10	S10GRIPOTHR	s10gripotthr:w10	s	didn't complete grip: other reason	Categ
11	S11GRIPOTHR	s11gripotthr:w11	s	didn't complete grip: other reason	Categ
12	S12GRIPOTHR	s12gripotthr:w12	s	didn't complete grip: other reason	Categ
13	S13GRIPOTHR	s13gripotthr:w13	s	didn't complete grip: other reason	Categ
14	S14GRIPOTHR	s14gripotthr:w14	s	didn't complete grip: other reason	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7GRIPSFT	375	0.39	0.49	0.00	1.00
R8GRIPSFT	379	0.56	0.50	0.00	1.00
R9GRIPSFT	231	0.68	0.47	0.00	1.00
R10GRIPSFT	287	0.83	0.37	0.00	1.00
R11GRIPSFT	329	0.84	0.37	0.00	1.00
R12GRIPSFT	292	0.87	0.34	0.00	1.00
R13GRIPSFT	348	0.80	0.40	0.00	1.00
R14GRIPSFT	317	0.89	0.32	0.00	1.00
S7GRIPSFT	190	0.33	0.47	0.00	1.00
S8GRIPSFT	187	0.53	0.50	0.00	1.00
S9GRIPSFT	120	0.63	0.49	0.00	1.00
S10GRIPSFT	154	0.77	0.42	0.00	1.00
S11GRIPSFT	150	0.85	0.35	0.00	1.00
S12GRIPSFT	145	0.84	0.37	0.00	1.00
S13GRIPSFT	168	0.80	0.40	0.00	1.00
S14GRIPSFT	151	0.89	0.31	0.00	1.00
R7GRIPREF	375	0.19	0.39	0.00	1.00
R8GRIPREF	379	0.40	0.49	0.00	1.00
R9GRIPREF	231	0.30	0.46	0.00	1.00
R10GRIPREF	287	0.08	0.27	0.00	1.00
R11GRIPREF	329	0.14	0.35	0.00	1.00
R12GRIPREF	292	0.07	0.26	0.00	1.00
R13GRIPREF	348	0.10	0.30	0.00	1.00
R14GRIPREF	317	0.08	0.27	0.00	1.00

S7GRIPREF	190	0.18	0.38	0.00	1.00
S8GRIPREF	187	0.44	0.50	0.00	1.00
S9GRIPREF	120	0.35	0.48	0.00	1.00
S10GRIPREF	154	0.08	0.28	0.00	1.00
S11GRIPREF	150	0.13	0.34	0.00	1.00
S12GRIPREF	145	0.05	0.22	0.00	1.00
S13GRIPREF	168	0.10	0.30	0.00	1.00
S14GRIPREF	151	0.09	0.29	0.00	1.00
R7GRIPTRYU	375	0.01	0.11	0.00	1.00
R8GRIPTRYU	379	0.03	0.17	0.00	1.00
R9GRIPTRYU	231	0.03	0.16	0.00	1.00
R10GRIPTRYU	287	0.02	0.15	0.00	1.00
R11GRIPTRYU	329	0.03	0.16	0.00	1.00
R12GRIPTRYU	292	0.04	0.19	0.00	1.00
R13GRIPTRYU	348	0.04	0.19	0.00	1.00
R14GRIPTRYU	317	0.04	0.19	0.00	1.00
S7GRIPTRYU	190	0.01	0.07	0.00	1.00
S8GRIPTRYU	187	0.01	0.07	0.00	1.00
S9GRIPTRYU	120	0.03	0.18	0.00	1.00
S10GRIPTRYU	154	0.01	0.11	0.00	1.00
S11GRIPTRYU	150	0.02	0.14	0.00	1.00
S12GRIPTRYU	145	0.04	0.20	0.00	1.00
S13GRIPTRYU	168	0.02	0.13	0.00	1.00
S14GRIPTRYU	151	0.04	0.20	0.00	1.00
R7GRIPQUP	375	0.42	0.49	0.00	1.00
R8GRIPQUP	379	0.02	0.14	0.00	1.00
R9GRIPQUP	231	0.05	0.22	0.00	1.00
R10GRIPQUP	287	0.09	0.29	0.00	1.00
R11GRIPQUP	329	0.03	0.16	0.00	1.00
R12GRIPQUP	292	0.05	0.23	0.00	1.00
R13GRIPQUP	345	0.04	0.20	0.00	1.00
R14GRIPQUP	317	0.03	0.16	0.00	1.00
S7GRIPQUP	190	0.48	0.50	0.00	1.00
S8GRIPQUP	187	0.01	0.07	0.00	1.00
S9GRIPQUP	120	0.08	0.26	0.00	1.00
S10GRIPQUP	154	0.12	0.33	0.00	1.00
S11GRIPQUP	150	0.03	0.18	0.00	1.00
S12GRIPQUP	145	0.09	0.29	0.00	1.00
S13GRIPQUP	167	0.07	0.25	0.00	1.00
S14GRIPQUP	151	0.01	0.11	0.00	1.00
R7GRIPOTHR	375	0.03	0.17	0.00	1.00
R8GRIPOTHR	379	0.03	0.18	0.00	1.00
R9GRIPOTHR	231	0.01	0.09	0.00	1.00
R10GRIPOTHR	287	0.05	0.21	0.00	1.00
R11GRIPOTHR	329	0.02	0.12	0.00	1.00
R12GRIPOTHR	292	0.01	0.10	0.00	1.00
R13GRIPOTHR	348	0.05	0.22	0.00	1.00
R14GRIPOTHR	317	0.03	0.18	0.00	1.00
S7GRIPOTHR	190	0.03	0.18	0.00	1.00
S8GRIPOTHR	187	0.04	0.20	0.00	1.00
S9GRIPOTHR	120	0.00	0.00	0.00	0.00
S10GRIPOTHR	154	0.06	0.24	0.00	1.00
S11GRIPOTHR	150	0.01	0.12	0.00	1.00
S12GRIPOTHR	145	0.01	0.12	0.00	1.00
S13GRIPOTHR	168	0.04	0.19	0.00	1.00
S14GRIPOTHR	151	0.03	0.16	0.00	1.00

## Categorical Variable Codes

Value-----	R7GRIPSFT	R8GRIPSFT	R9GRIPSFT	R10GRIPSFT
.c:completed test	3068	7408	6695	8690
.d:DK	3	1		
.m:Missing		6	5	26
.r:Refuse	1			1
.s:Skipped	16682	10675	10286	13030
0.no	229	168	73	48
1.yes	146	211	158	239

Value-----	R11GRIPSFT	R12GRIPSFT	R13GRIPSFT	R14GRIPSFT
.c:completed test	8183	7704	7971	6966
.m:Missing	3	1		
.r:Refuse		1		
.s:Skipped	12039	10749	12593	9863
0.no	53	38	68	36
1.yes	276	254	280	281

Value-----	S7GRIPSFT	S8GRIPSFT	S9GRIPSFT	S10GRIPSFT
.c:completed test	1963	4982	4215	5520
.d:DK	2			
.m:Missing		2	2	11
.r:Refuse	1			
.s:Skipped	10812	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	128	88	45	35
1.yes	62	99	75	119

Value-----	S11GRIPSFT	S12GRIPSFT	S13GRIPSFT	S14GRIPSFT
.c:completed test	5082	4715	4674	3981
.m:Missing	1			
.r:Refuse		1		
.s:Skipped	7243	6151	6936	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	22	23	33	16
1.yes	128	122	135	135

Value-----	R7GRIPREF	R8GRIPREF	R9GRIPREF	R10GRIPREF
.c:completed test	3068	7408	6695	8690
.d:DK	3	1		
.m:Missing		6	5	26
.r:Refuse	1			1
.s:Skipped	16682	10675	10286	13030
0.no	304	226	161	264
1.yes	71	153	70	23

Value-----	R11GRIPREF	R12GRIPREF	R13GRIPREF	R14GRIPREF
.c:completed test	8183	7704	7971	6966
.m:Missing	3	1		
.r:Refuse		1		
.s:Skipped	12039	10749	12593	9863
0.no	282	271	312	291
1.yes	47	21	36	26

Value-----	S7GRIPREF	S8GRIPREF	S9GRIPREF	S10GRIPREF
.c:completed test	1963	4982	4215	5520
.d:DK	2			
.m:Missing		2	2	11
.r:Refuse	1			
.s:Skipped	10812	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	156	105	78	141
1.yes	34	82	42	13

Value-----	S11GRIPREF	S12GRIPREF	S13GRIPREF	S14GRIPREF
.c:completed test	5082	4715	4674	3981
.m:Missing	1			
.r:Refuse		1		
.s:Skipped	7243	6151	6936	5226

.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	130	138	151	137	
1.yes	20	7	17	14	
Value-----		R7GRIPTRYU	R8GRIPTRYU	R9GRIPTRYU	R10GRIPTRYU
.c:completed test		3068	7408	6695	8690
.d:DK		3	1		
.m:Missing			6	5	26
.r:Refuse		1			1
.s:Skipped		16682	10675	10286	13030
0.no		370	368	225	280
1.yes		5	11	6	7
Value-----	R11GRIPTRYU	R12GRIPTRYU	R13GRIPTRYU	R14GRIPTRYU	
.c:completed test	8183	7704	7971	6966	
.m:Missing	3	1			
.r:Refuse		1			
.s:Skipped	12039	10749	12593	9863	
0.no	320	281	335	305	
1.yes	9	11	13	12	
Value-----		S7GRIPTRYU	S8GRIPTRYU	S9GRIPTRYU	S10GRIPTRYU
.c:completed test		1963	4982	4215	5520
.d:DK		2			
.m:Missing			2	2	11
.r:Refuse		1			
.s:Skipped		10812	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		189	186	116	152
1.yes		1	1	4	2
Value-----	S11GRIPTRYU	S12GRIPTRYU	S13GRIPTRYU	S14GRIPTRYU	
.c:completed test	5082	4715	4674	3981	
.m:Missing	1				
.r:Refuse		1			
.s:Skipped	7243	6151	6936	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	147	139	165	145	
1.yes	3	6	3	6	
Value-----		R7GRRIPEQUP	R8GRRIPEQUP	R9GRRIPEQUP	R10GRRIPEQUP
.c:completed test		3068	7408	6695	8690
.d:DK		3	1		
.m:Missing			6	5	26
.r:Refuse		1			1
.s:Skipped		16682	10675	10286	13030
0.no		219	371	219	260
1.yes		156	8	12	27
Value-----	R11GRRIPEQUP	R12GRRIPEQUP	R13GRRIPEQUP	R14GRRIPEQUP	
.c:completed test	8183	7704	7971	6966	
.m:Missing	3	1			
.r:Refuse		1			
.s:Skipped	12039	10749	12596	9863	
0.no	320	276	330	309	
1.yes	9	16	15	8	
Value-----		S7GRRIPEQUP	S8GRRIPEQUP	S9GRRIPEQUP	S10GRRIPEQUP
.c:completed test		1963	4982	4215	5520
.d:DK		2			
.m:Missing			2	2	11
.r:Refuse		1			
.s:Skipped		10812	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		99	186	111	135
1.yes		91	1	9	19
Value-----	S11GRRIPEQUP	S12GRRIPEQUP	S13GRRIPEQUP	S14GRRIPEQUP	
.c:completed test	5082	4715	4674	3981	
.m:Missing	1				
.r:Refuse		1			
.s:Skipped	7243	6151	6937	5226	



.u:not coupled		7483	7125	8025	6684		
.v:SP NR		595	610	1109	1104		
0.no		145	132	156	149		
1.yes		5	13	11	2		
Value-----							
.c:completed test	R7GRIPOTHR		3068	7408	6695	R10GRIPOTHR	8690
.d:DK			3	1			
.m:Missing				6	5		26
.r:Refuse			1				1
.s:Skipped		16682		10675	10286		13030
0.no		364		366	229		274
1.yes		11		13	2		13
Value-----							
.c:completed test	R11GRIPOTHR	R12GRIPOTHR	R13GRIPOTHR	R14GRIPOTHR			
.m:Missing	8183	7704	7971	6966			
.r:Refuse	3	1					
.s:Skipped		1					
0.no	12039	10749	12593	9863			
1.yes	324	289	330	307			
Value-----							
.c:completed test	S7GRIPOTHR	S8GRIPOTHR	S9GRIPOTHR	S10GRIPOTHR			
.d:DK	1963	4982	4215	5520			
.m:Missing	2						
.r:Refuse		2	2			11	
.s:Skipped		1					
.u:not coupled	10812	6557	6303	7823			
.v:SP NR	6781	6424	6212	7804			
0.no	380	317	365	722			
1.yes	184	179	120	145			
Value-----							
.c:completed test	S11GRIPOTHR	S12GRIPOTHR	S13GRIPOTHR	S14GRIPOTHR			
.m:Missing	5082	4715	4674	3981			
.r:Refuse	1						
.s:Skipped		1					
.u:not coupled	7243	6151	6936	5226			
.v:SP NR	7483	7125	8025	6684			
0.no	595	610	1109	1104			
1.yes	148	143	162	147			
Value-----							
.c:completed test							
.m:Missing							
.r:Refuse							
.s:Skipped							
.u:not coupled							
.v:SP NR							
0.no							
1.yes							

### How Constructed:

RwGRIPSFT, RwGRIPREF, RwGRIPTRYU, RwGRIPOTHR, and RwGRIPOTHR indicate the reasons for the respondent not taking part in the grip strength test as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the grip strength test. RwGRIPSFT indicates whether the respondent did not participate in the grip strength test because they felt it would not be safe, the interviewer felt it would not be safe, or due to surgery, injury or swelling in both hands or another health condition. RwGRIPREF indicates whether the respondent did not participate in the grip strength test because they refused, with no reason given. RwGRIPTRYU indicates whether the respondent did not participate in the grip strength test because they tried but were unable to complete the test. RwGRIPOTHR indicates whether the respondent did not participate in the grip strength test because of either problems with equipment/supplies or not having a suitable space to perform the test. RwGRIPOTHR indicates whether the respondent did not participate in the grip strength test because they did not understand the instructions or because of another reason. RwGRIPSFT, RwGRIPREF, RwGRIPTRYU, RwGRIPOTHR, and RwGRIPOTHR are coded as 0 if the specific reason was not given for the respondent not completing the grip strength test, and are coded as 1 if the specific reason was given. Don't know, refuse, and other missing responses to RwGRIPSFT, RwGRIPREF, RwGRIPTRYU, RwGRIPOTHR, and RwGRIPOTHR are set to special missing .d, .r, and .m, respectively. Special missing .c is assigned if the respondent completed at least one of the grip strength tests. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwGRIPSFT, SwGRIPREF, SwGRIPTRYU, SwGRIPOTHR, and SwGRIPOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the grip strength test, and their values are taken from the spouse's values to RwGRIPSFT, RwGRIPREF, RwGRIPTRYU, RwGRIPOTHR, and RwGRIPOTHR. In addition to the special missing codes employed by RwGRIPSFT, RwGRIPREF, RwGRIPTRYU, RwGRIPOTHR, and SwGRIPOTHR,

SwGRIPSFT, SwGRIPREF, SwGRIPTRYU, SwGRIPEQUP, and SwGRIPOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

Hand strength tests began in Wave 7, but they were only given to a random subsample of approximately 3300 respondents. Hand strength tests were given to a larger sample of respondents starting in Wave 8.

The wording for one of the options used to create RwGRIPSFT changes slightly across waves. In Wave 7, the wording is "R had surgery, injury, swelling, etc. on both hands in past 6 months". In Wave 8, the wording is "R had surgery, injury, swelling, etc. on both hands in past 6 months; other health reason". In Waves 9 through 11, the wording is "R could not participate due to surgery, swelling, etc; other health reason". Starting in Wave 12, the wording is "R had surgery, injury, swelling, etc. on both hands".

The wording of and options used to create RwGRIPEQUP change across waves. In Wave 7, the only option applicable to this variable is "problem with equipment and/or consent form". In Wave 8, the wording for this option is changed to "problem with equipment or supplies". Wave 8 also adds the option of "unsuitable location", which is changed to "no suitable space" in Waves 9 through 11 and Wave 14. Waves 12 and 13 have no option for the suitability of the location.

Starting in Wave 12, there are additional screening questions asking about any injury to the respondent's hands, and if so which hand, and their understanding of the directions and feelings of safety in completing the tests which determine whether the respondent participates in the hand strength tests.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

### HRS Variables Used:

#### Wave 7:

JI812	hand strength at least one trial
JI813M1	reason hand strength test not complete-1
JI813M2	reason hand strength test not complete-2
JI813M3	reason hand strength test not complete-3
JI813M4	reason hand strength test not complete-4

#### Wave 8:

KI812	hand strength complete one trial
KI813M1	hand strength test reason not complete-1
KI813M2	hand strength test reason not complete-2
KI813M3	hand strength test reason not complete-3
KI813M4	hand strength test reason not complete-4

#### Wave 9:

LI812	hand strength complete at least one trial
LI813M1	hand strength test reason not complete -1
LI813M2	hand strength test reason not complete -2
LI813M3	hand strength test reason not complete -3
LI813M4	hand strength test reason not complete -4

#### Wave 10:

MI812	hand strength complete at least one trial
MI813M1	hand strength test reason not complete -1
MI813M2	hand strength test reason not complete -2
MI813M3	hand strength test reason not complete -3
MI813M4	hand strength test reason not complete -4

#### Wave 11:

NI812	hand strength complete at least one trial
NI813M1	hand strength test reason not complete -1
NI813M2	hand strength test reason not complete -2
NI813M3	hand strength test reason not complete -3
NI813M4	hand strength test reason not complete -4

#### Wave 12:

OI812	hand strength complete at least one trial
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OI813M1	hand strength test reason not complete	-1
OI813M2	hand strength test reason not complete	-2
OI813M3	hand strength test reason not complete	-3
OI813M4	hand strength test reason not complete	-4

## Wave 13:

PI812	hand strength complete at least one trial	
PI813M1	hand strength test reason not complete	-1
PI813M2	hand strength test reason not complete	-2
PI813M3	hand strength test reason not complete	-3
PI813M4	hand strength test reason not complete	-4

## Wave 14:

QI812	hand strength complete at least one trial	
QI813M1	hand strength test reason not complete	-1
QI813M2	hand strength test reason not complete	-2
QI813M3	hand strength test reason not complete	-3
QI813M4	hand strength test reason not complete	-4

<b>Balance Test Measurements</b>
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Wave	Variable	Label	Type
08	R8SEMITAN	r8semitan:w8 r semi-tandem test result(sec)	Cont
09	R9SEMITAN	r9semitan:w9 r semi-tandem test result(sec)	Cont
10	R10SEMITAN	r10semitan:w10 r semi-tandem test result(sec)	Cont
11	R11SEMITAN	r11semitan:w11 r semi-tandem test result(sec)	Cont
12	R12SEMITAN	r12semitan:w12 r semi-tandem test result(sec)	Cont
13	R13SEMITAN	r13semitan:w13 r semi-tandem test result(sec)	Cont
14	R14SEMITAN	r14semitan:w14 r semi-tandem test result(sec)	Cont
08	S8SEMITAN	s8semitan:w8 s semi-tandem test result(sec)	Cont
09	S9SEMITAN	s9semitan:w9 s semi-tandem test result(sec)	Cont
10	S10SEMITAN	s10semitan:w10 s semi-tandem test result(sec)	Cont
11	S11SEMITAN	s11semitan:w11 s semi-tandem test result(sec)	Cont
12	S12SEMITAN	s12semitan:w12 s semi-tandem test result(sec)	Cont
13	S13SEMITAN	s13semitan:w13 s semi-tandem test result(sec)	Cont
14	S14SEMITAN	s14semitan:w14 s semi-tandem test result(sec)	Cont
08	R8SEMIDONE	r8semidone:w8 whether r completed full 10 sec semi-tandem te	Categ
09	R9SEMIDONE	r9semidone:w9 whether r completed full 10 sec semi-tandem te	Categ
10	R10SEMIDONE	r10semidone:w10 whether r completed full 10 sec semi-tandem	Categ
11	R11SEMIDONE	r11semidone:w11 whether r completed full 10 sec semi-tandem	Categ
12	R12SEMIDONE	r12semidone:w12 whether r completed full 10 sec semi-tandem	Categ
13	R13SEMIDONE	r13semidone:w13 whether r completed full 10 sec semi-tandem	Categ
14	R14SEMIDONE	r14semidone:w14 whether r completed full 10 sec semi-tandem	Categ
08	S8SEMIDONE	s8semidone:w8 whether s completed full 10 sec semi-tandem te	Categ
09	S9SEMIDONE	s9semidone:w9 whether s completed full 10 sec semi-tandem te	Categ
10	S10SEMIDONE	s10semidone:w10 whether s completed full 10 sec semi-tandem	Categ
11	S11SEMIDONE	s11semidone:w11 whether s completed full 10 sec semi-tandem	Categ
12	S12SEMIDONE	s12semidone:w12 whether s completed full 10 sec semi-tandem	Categ
13	S13SEMIDONE	s13semidone:w13 whether s completed full 10 sec semi-tandem	Categ
14	S14SEMIDONE	s14semidone:w14 whether s completed full 10 sec semi-tandem	Categ
08	R8SEMICOMP	r8semicomp:w8 r willing and able to complete semi-tandem tes	Categ
09	R9SEMICOMP	r9semicomp:w9 r willing and able to complete semi-tandem tes	Categ
10	R10SEMICOMP	r10semicomp:w10 r willing and able to complete semi-tandem t	Categ
11	R11SEMICOMP	r11semicomp:w11 r willing and able to complete semi-tandem t	Categ
12	R12SEMICOMP	r12semicomp:w12 r willing and able to complete semi-tandem t	Categ
13	R13SEMICOMP	r13semicomp:w13 r willing and able to complete semi-tandem t	Categ
14	R14SEMICOMP	r14semicomp:w14 r willing and able to complete semi-tandem t	Categ
08	S8SEMICOMP	s8semicomp:w8 s willing and able to complete semi-tandem tes	Categ
09	S9SEMICOMP	s9semicomp:w9 s willing and able to complete semi-tandem tes	Categ
10	S10SEMICOMP	s10semicomp:w10 s willing and able to complete semi-tandem t	Categ
11	S11SEMICOMP	s11semicomp:w11 s willing and able to complete semi-tandem t	Categ
12	S12SEMICOMP	s12semicomp:w12 s willing and able to complete semi-tandem t	Categ
13	S13SEMICOMP	s13semicomp:w13 s willing and able to complete semi-tandem t	Categ
14	S14SEMICOMP	s14semicomp:w14 s willing and able to complete semi-tandem t	Categ
08	R8FULLTAN	r8fulltan:w8 r full-tandem test result(sec)	Cont
09	R9FULLTAN	r9fulltan:w9 r full-tandem test result(sec)	Cont
10	R10FULLTAN	r10fulltan:w10 r full-tandem test result(sec)	Cont
11	R11FULLTAN	r11fulltan:w11 r full-tandem test result(sec)	Cont
12	R12FULLTAN	r12fulltan:w12 r full-tandem test result(sec)	Cont
13	R13FULLTAN	r13fulltan:w13 r full-tandem test result(sec)	Cont
14	R14FULLTAN	r14fulltan:w14 r full-tandem test result(sec)	Cont
08	S8FULLTAN	s8fulltan:w8 s full-tandem test result(sec)	Cont

09	S9FULLTAN	s9fulltan:w9 s full-tandem test result(sec)	Cont
10	S10FULLTAN	s10fulltan:w10 s full-tandem test result(sec)	Cont
11	S11FULLTAN	s11fulltan:w11 s full-tandem test result(sec)	Cont
12	S12FULLTAN	s12fulltan:w12 s full-tandem test result(sec)	Cont
13	S13FULLTAN	s13fulltan:w13 s full-tandem test result(sec)	Cont
14	S14FULLTAN	s14fulltan:w14 s full-tandem test result(sec)	Cont
08	R8FULDDONE	r8fulldone:w8 whether r completed 30/60 seconds full-tandem	Categ
09	R9FULDDONE	r9fulldone:w9 whether r completed 30/60 seconds full-tandem	Categ
10	R10FULDDONE	r10fulldone:w10 whether r completed 30/60 seconds full-tandem	Categ
11	R11FULDDONE	r11fulldone:w11 whether r completed 30/60 seconds full-tandem	Categ
12	R12FULDDONE	r12fulldone:w12 whether r completed 30/60 seconds full-tandem	Categ
13	R13FULDDONE	r13fulldone:w13 whether r completed 30/60 seconds full-tandem	Categ
14	R14FULDDONE	r14fulldone:w14 whether r completed 30/60 seconds full-tandem	Categ
08	S8FULDDONE	s8fulldone:w8 whether s completed 30/60 seconds full-tandem	Categ
09	S9FULDDONE	s9fulldone:w9 whether s completed 30/60 seconds full-tandem	Categ
10	S10FULDDONE	s10fulldone:w10 whether s completed 30/60 seconds full-tandem	Categ
11	S11FULDDONE	s11fulldone:w11 whether s completed 30/60 seconds full-tandem	Categ
12	S12FULDDONE	s12fulldone:w12 whether s completed 30/60 seconds full-tandem	Categ
13	S13FULDDONE	s13fulldone:w13 whether s completed 30/60 seconds full-tandem	Categ
14	S14FULDDONE	s14fulldone:w14 whether s completed 30/60 seconds full-tandem	Categ
08	R8FULLCOMP	r8fullcomp:w8 r willing and able to complete full tandem tes	Categ
09	R9FULLCOMP	r9fullcomp:w9 r willing and able to complete full tandem tes	Categ
10	R10FULLCOMP	r10fullcomp:w10 r willing and able to complete full tandem tes	Categ
11	R11FULLCOMP	r11fullcomp:w11 r willing and able to complete full tandem tes	Categ
12	R12FULLCOMP	r12fullcomp:w12 r willing and able to complete full tandem tes	Categ
13	R13FULLCOMP	r13fullcomp:w13 r willing and able to complete full tandem tes	Categ
14	R14FULLCOMP	r14fullcomp:w14 r willing and able to complete full tandem tes	Categ
08	S8FULLCOMP	s8fullcomp:w8 s willing and able to complete full tandem tes	Categ
09	S9FULLCOMP	s9fullcomp:w9 s willing and able to complete full tandem tes	Categ
10	S10FULLCOMP	s10fullcomp:w10 s willing and able to complete full tandem tes	Categ
11	S11FULLCOMP	s11fullcomp:w11 s willing and able to complete full tandem tes	Categ
12	S12FULLCOMP	s12fullcomp:w12 s willing and able to complete full tandem tes	Categ
13	S13FULLCOMP	s13fullcomp:w13 s willing and able to complete full tandem tes	Categ
14	S14FULLCOMP	s14fullcomp:w14 s willing and able to complete full tandem tes	Categ
08	R8SBSTAN	r8sbstan:w8 r side-by-side test result(sec)	Cont
09	R9SBSTAN	r9sbstan:w9 r side-by-side test result(sec)	Cont
10	R10SBSTAN	r10sbstan:w10 r side-by-side test result(sec)	Cont
11	R11SBSTAN	r11sbstan:w11 r side-by-side test result(sec)	Cont
12	R12SBSTAN	r12sbstan:w12 r side-by-side test result(sec)	Cont
13	R13SBSTAN	r13sbstan:w13 r side-by-side test result(sec)	Cont
14	R14SBSTAN	r14sbstan:w14 r side-by-side test result(sec)	Cont
08	S8SBSTAN	s8sbstan:w8 s side-by-side test result(sec)	Cont
09	S9SBSTAN	s9sbstan:w9 s side-by-side test result(sec)	Cont
10	S10SBSTAN	s10sbstan:w10 s side-by-side test result(sec)	Cont
11	S11SBSTAN	s11sbstan:w11 s side-by-side test result(sec)	Cont
12	S12SBSTAN	s12sbstan:w12 s side-by-side test result(sec)	Cont
13	S13SBSTAN	s13sbstan:w13 s side-by-side test result(sec)	Cont
14	S14SBSTAN	s14sbstan:w14 s side-by-side test result(sec)	Cont
08	R8SBSDONE	r8sbsdone:w8 whether r completed 10 seconds side-by-side	Categ
09	R9SBSDONE	r9sbsdone:w9 whether r completed 10 seconds side-by-side	Categ
10	R10SBSDONE	r10sbsdone:w10 whether r completed 10 seconds side-by-side	Categ
11	R11SBSDONE	r11sbsdone:w11 whether r completed 10 seconds side-by-side	Categ
12	R12SBSDONE	r12sbsdone:w12 whether r completed 10 seconds side-by-side	Categ
13	R13SBSDONE	r13sbsdone:w13 whether r completed 10 seconds side-by-side	Categ
14	R14SBSDONE	r14sbsdone:w14 whether r completed 10 seconds side-by-side	Categ

08	S8SBSDONE	s8sbsdone:w8 whether s completed 10 seconds side-by-side	Categ
09	S9SBSDONE	s9sbsdone:w9 whether s completed 10 seconds side-by-side	Categ
10	S10SBSDONE	s10sbsdone:w10 whether s completed 10 seconds side-by-side	Categ
11	S11SBSDONE	s11sbsdone:w11 whether s completed 10 seconds side-by-side	Categ
12	S12SBSDONE	s12sbsdone:w12 whether s completed 10 seconds side-by-side	Categ
13	S13SBSDONE	s13sbsdone:w13 whether s completed 10 seconds side-by-side	Categ
14	S14SBSDONE	s14sbsdone:w14 whether s completed 10 seconds side-by-side	Categ
08	R8SBSCOMP	r8sbscomp:w8 r willing and able to complete side-by-side tes	Categ
09	R9SBSCOMP	r9sbscomp:w9 r willing and able to complete side-by-side tes	Categ
10	R10SBSCOMP	r10sbscomp:w10 r willing and able to complete side-by-side t	Categ
11	R11SBSCOMP	r11sbscomp:w11 r willing and able to complete side-by-side t	Categ
12	R12SBSCOMP	r12sbscomp:w12 r willing and able to complete side-by-side t	Categ
13	R13SBSCOMP	r13sbscomp:w13 r willing and able to complete side-by-side t	Categ
14	R14SBSCOMP	r14sbscomp:w14 r willing and able to complete side-by-side t	Categ
08	S8SBSCOMP	s8sbscomp:w8 s willing and able to complete side-by-side tes	Categ
09	S9SBSCOMP	s9sbscomp:w9 s willing and able to complete side-by-side tes	Categ
10	S10SBSCOMP	s10sbscomp:w10 s willing and able to complete side-by-side t	Categ
11	S11SBSCOMP	s11sbscomp:w11 s willing and able to complete side-by-side t	Categ
12	S12SBSCOMP	s12sbscomp:w12 s willing and able to complete side-by-side t	Categ
13	S13SBSCOMP	s13sbscomp:w13 s willing and able to complete side-by-side t	Categ
14	S14SBSCOMP	s14sbscomp:w14 s willing and able to complete side-by-side t	Categ
08	R8BALANCE	r8balance:w8 r balance test summary score	Categ
09	R9BALANCE	r9balance:w9 r balance test summary score	Categ
10	R10BALANCE	r10balance:w10 r balance test summary score	Categ
11	R11BALANCE	r11balance:w11 r balance test summary score	Categ
12	R12BALANCE	r12balance:w12 r balance test summary score	Categ
13	R13BALANCE	r13balance:w13 r balance test summary score	Categ
14	R14BALANCE	r14balance:w14 r balance test summary score	Categ
08	S8BALANCE	s8balance:w8 s balance test summary score	Categ
09	S9BALANCE	s9balance:w9 s balance test summary score	Categ
10	S10BALANCE	s10balance:w10 s balance test summary score	Categ
11	S11BALANCE	s11balance:w11 s balance test summary score	Categ
12	S12BALANCE	s12balance:w12 s balance test summary score	Categ
13	S13BALANCE	s13balance:w13 s balance test summary score	Categ
14	S14BALANCE	s14balance:w14 s balance test summary score	Categ
08	R8BALFLR	r8balflr:w8 floor surface of r's balance test	Categ
09	R9BALFLR	r9balflr:w9 floor surface of r's balance test	Categ
10	R10BALFLR	r10balflr:w10 floor surface of r's balance test	Categ
11	R11BALFLR	r11balflr:w11 floor surface of r's balance test	Categ
08	S8BALFLR	s8balflr:w8 floor surface of s's balance test	Categ
09	S9BALFLR	s9balflr:w9 floor surface of s's balance test	Categ
10	S10BALFLR	s10balflr:w10 floor surface of s's balance test	Categ
11	S11BALFLR	s11balflr:w11 floor surface of s's balance test	Categ
08	R8BALCOMPL	r8balcompl:w8 r compliance during balance tests	Categ
09	R9BALCOMPL	r9balcompl:w9 r compliance during balance tests	Categ
10	R10BALCOMPL	r10balcompl:w10 r compliance during balance tests	Categ
11	R11BALCOMPL	r11balcompl:w11 r compliance during balance tests	Categ
08	S8BALCOMPL	s8balcompl:w8 s compliance during balance tests	Categ
09	S9BALCOMPL	s9balcompl:w9 s compliance during balance tests	Categ
10	S10BALCOMPL	s10balcompl:w10 s compliance during balance tests	Categ
11	S11BALCOMPL	s11balcompl:w11 s compliance during balance tests	Categ
08	R8SEMITANC	r8semitanc:w8 r compensatory movements during semi-tandem te	Categ
09	R9SEMITANC	r9semitanc:w9 r compensatory movements during semi-tandem te	Categ
10	R10SEMITANC	r10semitanc:w10 r compensatory movements during semi-tandem	Categ

11	R11SEMITANC	r11semitanc:w11	r	compensatory	movements	during	semi-tandem	Categ
12	R12SEMITANC	r12semitanc:w12	r	compensatory	movements	during	semi-tandem	Categ
13	R13SEMITANC	r13semitanc:w13	r	compensatory	movements	during	semi-tandem	Categ
14	R14SEMITANC	r14semitanc:w14	r	compensatory	movements	during	semi-tandem	Categ
08	S8SEMITANC	s8semitanc:w8	s	compensatory	movements	during	semi-tandem	te
09	S9SEMITANC	s9semitanc:w9	s	compensatory	movements	during	semi-tandem	te
10	S10SEMITANC	s10semitanc:w10	s	compensatory	movements	during	semi-tandem	Categ
11	S11SEMITANC	s11semitanc:w11	s	compensatory	movements	during	semi-tandem	Categ
12	S12SEMITANC	s12semitanc:w12	s	compensatory	movements	during	semi-tandem	Categ
13	S13SEMITANC	s13semitanc:w13	s	compensatory	movements	during	semi-tandem	Categ
14	S14SEMITANC	s14semitanc:w14	s	compensatory	movements	during	semi-tandem	Categ
08	R8FULLTANC	r8fulltanc:w8	r	compensatory	movements	during	full-tandem	te
09	R9FULLTANC	r9fulltanc:w9	r	compensatory	movements	during	full-tandem	te
10	R10FULLTANC	r10fulltanc:w10	r	compensatory	movements	during	full-tandem	Categ
11	R11FULLTANC	r11fulltanc:w11	r	compensatory	movements	during	full-tandem	Categ
12	R12FULLTANC	r12fulltanc:w12	r	compensatory	movements	during	full-tandem	Categ
13	R13FULLTANC	r13fulltanc:w13	r	compensatory	movements	during	full-tandem	Categ
14	R14FULLTANC	r14fulltanc:w14	r	compensatory	movements	during	full-tandem	Categ
08	S8FULLTANC	s8fulltanc:w8	s	compensatory	movements	during	full-tandem	te
09	S9FULLTANC	s9fulltanc:w9	s	compensatory	movements	during	full-tandem	te
10	S10FULLTANC	s10fulltanc:w10	s	compensatory	movements	during	full-tandem	Categ
11	S11FULLTANC	s11fulltanc:w11	s	compensatory	movements	during	full-tandem	Categ
12	S12FULLTANC	s12fulltanc:w12	s	compensatory	movements	during	full-tandem	Categ
13	S13FULLTANC	s13fulltanc:w13	s	compensatory	movements	during	full-tandem	Categ
14	S14FULLTANC	s14fulltanc:w14	s	compensatory	movements	during	full-tandem	Categ
08	R8SBSTANC	r8sbstanc:w8	r	compensatory	movements	during	side-by-side	te
09	R9SBSTANC	r9sbstanc:w9	r	compensatory	movements	during	side-by-side	te
10	R10SBSTANC	r10sbstanc:w10	r	compensatory	movements	during	side-by-side	Categ
11	R11SBSTANC	r11sbstanc:w11	r	compensatory	movements	during	side-by-side	Categ
12	R12SBSTANC	r12sbstanc:w12	r	compensatory	movements	during	side-by-side	Categ
13	R13SBSTANC	r13sbstanc:w13	r	compensatory	movements	during	side-by-side	Categ
14	R14SBSTANC	r14sbstanc:w14	r	compensatory	movements	during	side-by-side	Categ
08	S8SBSTANC	s8sbstanc:w8	s	compensatory	movements	during	side-by-side	te
09	S9SBSTANC	s9sbstanc:w9	s	compensatory	movements	during	side-by-side	te
10	S10SBSTANC	s10sbstanc:w10	s	compensatory	movements	during	side-by-side	Categ
11	S11SBSTANC	s11sbstanc:w11	s	compensatory	movements	during	side-by-side	Categ
12	S12SBSTANC	s12sbstanc:w12	s	compensatory	movements	during	side-by-side	Categ
13	S13SBSTANC	s13sbstanc:w13	s	compensatory	movements	during	side-by-side	Categ
14	S14SBSTANC	s14sbstanc:w14	s	compensatory	movements	during	side-by-side	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8SEMITAN	6983	9.83	1.03	0.00	10.00
R9SEMITAN	6359	9.72	1.40	0.00	10.00
R10SEMITAN	8380	9.79	1.16	0.00	10.00
R11SEMITAN	7797	9.79	1.21	0.00	10.00
R12SEMITAN	7347	9.76	1.26	0.00	10.00
R13SEMITAN	7650	9.73	1.36	0.00	10.00
R14SEMITAN	6650	9.73	1.31	0.00	10.00
S8SEMITAN	4791	9.89	0.79	0.00	10.00
S9SEMITAN	4082	9.82	1.13	0.00	10.00
S10SEMITAN	5391	9.84	1.01	0.00	10.00
S11SEMITAN	4922	9.86	0.99	0.00	10.00
S12SEMITAN	4565	9.80	1.13	0.00	10.00
S13SEMITAN	4564	9.83	1.07	0.00	10.00

S14SEMITAN	3865	9.82	1.07	0.00	10.00
R8SEMIDONE	6983	0.96	0.18	0.00	1.00
R9SEMIDONE	6359	0.95	0.22	0.00	1.00
R10SEMIDONE	8380	0.96	0.20	0.00	1.00
R11SEMIDONE	7797	0.96	0.19	0.00	1.00
R12SEMIDONE	7347	0.95	0.21	0.00	1.00
R13SEMIDONE	7644	0.95	0.21	0.00	1.00
R14SEMIDONE	6650	0.95	0.22	0.00	1.00
S8SEMIDONE	4791	0.98	0.15	0.00	1.00
S9SEMIDONE	4082	0.97	0.18	0.00	1.00
S10SEMIDONE	5391	0.97	0.18	0.00	1.00
S11SEMIDONE	4922	0.97	0.16	0.00	1.00
S12SEMIDONE	4565	0.96	0.19	0.00	1.00
S13SEMIDONE	4562	0.97	0.18	0.00	1.00
S14SEMIDONE	3865	0.96	0.19	0.00	1.00
R8SEMICOMP	7788	0.91	0.29	0.00	1.00
R9SEMICOMP	6926	0.92	0.27	0.00	1.00
R10SEMICOMP	8978	0.93	0.25	0.00	1.00
R11SEMICOMP	8512	0.92	0.28	0.00	1.00
R12SEMICOMP	7979	0.92	0.27	0.00	1.00
R13SEMICOMP	8300	0.92	0.27	0.00	1.00
R14SEMICOMP	7267	0.92	0.28	0.00	1.00
S8SEMICOMP	5169	0.93	0.25	0.00	1.00
S9SEMICOMP	4335	0.94	0.23	0.00	1.00
S10SEMICOMP	5674	0.95	0.22	0.00	1.00
S11SEMICOMP	5232	0.94	0.23	0.00	1.00
S12SEMICOMP	4852	0.94	0.24	0.00	1.00
S13SEMICOMP	4839	0.94	0.23	0.00	1.00
S14SEMICOMP	4126	0.94	0.24	0.00	1.00
R8FULLTAN	6238	43.41	19.44	0.02	60.00
R9FULLTAN	5752	40.62	20.32	0.00	60.00
R10FULLTAN	7698	44.00	19.90	0.00	60.00
R11FULLTAN	7149	42.87	20.19	0.00	60.00
R12FULLTAN	6785	41.48	20.48	0.00	60.00
R13FULLTAN	7063	43.94	20.25	0.00	60.00
R14FULLTAN	6094	42.31	20.66	0.00	60.00
S8FULLTAN	4399	45.40	18.72	0.02	60.00
S9FULLTAN	3822	42.91	19.65	0.00	60.00
S10FULLTAN	5031	45.88	18.93	0.00	60.00
S11FULLTAN	4636	45.03	19.37	0.00	60.00
S12FULLTAN	4302	43.62	19.71	0.00	60.00
S13FULLTAN	4314	45.55	19.62	0.00	60.00
S14FULLTAN	3629	43.92	19.95	0.00	60.00
R8FULLDONE	6238	0.78	0.41	0.00	1.00
R9FULLDONE	5752	0.75	0.43	0.00	1.00
R10FULLDONE	7698	0.77	0.42	0.00	1.00
R11FULLDONE	7149	0.76	0.43	0.00	1.00
R12FULLDONE	6785	0.73	0.44	0.00	1.00
R13FULLDONE	7063	0.75	0.43	0.00	1.00
R14FULLDONE	6094	0.72	0.45	0.00	1.00
S8FULLDONE	4399	0.81	0.39	0.00	1.00
S9FULLDONE	3822	0.78	0.41	0.00	1.00
S10FULLDONE	5031	0.81	0.39	0.00	1.00
S11FULLDONE	4636	0.80	0.40	0.00	1.00
S12FULLDONE	4302	0.77	0.42	0.00	1.00



S13FULLDONE	4314	0.78	0.42	0.00	1.00
S14FULLDONE	3629	0.76	0.43	0.00	1.00
R8FULLCOMP	6737	0.94	0.24	0.00	1.00
R9FULLCOMP	6041	0.95	0.21	0.00	1.00
R10FULLCOMP	8037	0.96	0.20	0.00	1.00
R11FULLCOMP	7492	0.96	0.21	0.00	1.00
R12FULLCOMP	7414	0.92	0.28	0.00	1.00
R13FULLCOMP	7718	0.92	0.28	0.00	1.00
R14FULLCOMP	6737	0.90	0.29	0.00	1.00
S8FULLCOMP	4684	0.95	0.22	0.00	1.00
S9FULLCOMP	3947	0.97	0.17	0.00	1.00
S10FULLCOMP	5219	0.96	0.19	0.00	1.00
S11FULLCOMP	4785	0.97	0.17	0.00	1.00
S12FULLCOMP	4594	0.94	0.24	0.00	1.00
S13FULLCOMP	4601	0.94	0.24	0.00	1.00
S14FULLCOMP	3902	0.93	0.26	0.00	1.00
R8SBSTAN	497	9.81	1.07	0.00	10.00
R9SBSTAN	486	9.77	1.25	0.00	10.00
R10SBSTAN	544	9.75	1.36	0.00	10.00
R11SBSTAN	547	9.75	1.36	0.00	10.00
R12SBSTAN	641	9.77	1.20	0.00	10.00
R13SBSTAN	717	9.60	1.66	0.00	10.00
R14SBSTAN	645	9.75	1.27	0.00	10.00
S8SBSTAN	217	9.88	0.87	2.00	10.00
S9SBSTAN	206	9.69	1.50	0.00	10.00
S10SBSTAN	264	9.75	1.29	0.00	10.00
S11SBSTAN	240	9.86	0.87	2.05	10.00
S12SBSTAN	289	9.79	1.06	1.81	10.00
S13SBSTAN	299	9.63	1.63	0.00	10.00
S14SBSTAN	263	9.78	1.34	0.00	10.00
R8SBSDONE	497	0.96	0.20	0.00	1.00
R9SBSDONE	486	0.95	0.21	0.00	1.00
R10SBSDONE	544	0.96	0.19	0.00	1.00
R11SBSDONE	547	0.96	0.21	0.00	1.00
R12SBSDONE	641	0.95	0.21	0.00	1.00
R13SBSDONE	715	0.93	0.26	0.00	1.00
R14SBSDONE	645	0.95	0.22	0.00	1.00
S8SBSDONE	217	0.98	0.15	0.00	1.00
S9SBSDONE	206	0.95	0.22	0.00	1.00
S10SBSDONE	264	0.96	0.20	0.00	1.00
S11SBSDONE	240	0.96	0.19	0.00	1.00
S12SBSDONE	289	0.96	0.21	0.00	1.00
S13SBSDONE	297	0.94	0.25	0.00	1.00
S14SBSDONE	263	0.96	0.19	0.00	1.00
R8SBSCOMP	1054	0.48	0.50	0.00	1.00
R9SBSCOMP	885	0.55	0.50	0.00	1.00
R10SBSCOMP	941	0.58	0.49	0.00	1.00
R11SBSCOMP	1020	0.54	0.50	0.00	1.00
R12SBSCOMP	982	0.65	0.48	0.00	1.00
R13SBSCOMP	1050	0.68	0.47	0.00	1.00
R14SBSCOMP	976	0.66	0.47	0.00	1.00
S8SBSCOMP	488	0.45	0.50	0.00	1.00
S9SBSCOMP	388	0.53	0.50	0.00	1.00
S10SBSCOMP	455	0.58	0.49	0.00	1.00
S11SBSCOMP	447	0.54	0.50	0.00	1.00

S12SBSCOMP	455	0.64	0.48	0.00	1.00
S13SBSCOMP	433	0.69	0.46	0.00	1.00
S14SBSCOMP	406	0.65	0.48	0.00	1.00
R8BALANCE	6477	3.71	0.54	1.00	4.00
R9BALANCE	6053	3.66	0.57	1.00	4.00
R10BALANCE	8017	3.70	0.54	1.00	4.00
R11BALANCE	7432	3.69	0.55	1.00	4.00
R12BALANCE	7121	3.65	0.57	1.00	4.00
R13BALANCE	7427	3.66	0.58	1.00	4.00
R14BALANCE	6426	3.63	0.59	1.00	4.00
S8BALANCE	4504	3.77	0.48	1.00	4.00
S9BALANCE	3948	3.72	0.52	1.00	4.00
S10BALANCE	5191	3.75	0.50	1.00	4.00
S11BALANCE	4766	3.75	0.50	1.00	4.00
S12BALANCE	4465	3.70	0.54	1.00	4.00
S13BALANCE	4458	3.72	0.53	1.00	4.00
S14BALANCE	3770	3.69	0.54	1.00	4.00
R8BALFLR	6736	1.48	0.65	1.00	5.00
R9BALFLR	6238	1.45	0.63	1.00	5.00
R10BALFLR	8240	1.43	0.63	1.00	5.00
R11BALFLR	7696	1.44	0.67	1.00	5.00
S8BALFLR	4617	1.45	0.64	1.00	5.00
S9BALFLR	4028	1.42	0.61	1.00	5.00
S10BALFLR	5293	1.40	0.61	1.00	5.00
S11BALFLR	4878	1.39	0.65	1.00	5.00
R8BALCOMPL	6738	1.00	0.07	1.00	3.00
R9BALCOMPL	6238	1.00	0.07	1.00	3.00
R10BALCOMPL	8244	1.01	0.08	1.00	3.00
R11BALCOMPL	7698	1.01	0.10	1.00	3.00
S8BALCOMPL	4619	1.00	0.07	1.00	3.00
S9BALCOMPL	4028	1.00	0.06	1.00	3.00
S10BALCOMPL	5296	1.01	0.09	1.00	3.00
S11BALCOMPL	4878	1.00	0.08	1.00	3.00
R8SEMITANC	6986	0.17	0.38	0.00	1.00
R9SEMITANC	6360	0.18	0.38	0.00	1.00
R10SEMITANC	8381	0.16	0.37	0.00	1.00
R11SEMITANC	7798	0.18	0.39	0.00	1.00
R12SEMITANC	7345	0.17	0.37	0.00	1.00
R13SEMITANC	7653	0.18	0.39	0.00	1.00
R14SEMITANC	6652	0.19	0.39	0.00	1.00
S8SEMITANC	4794	0.15	0.35	0.00	1.00
S9SEMITANC	4083	0.15	0.36	0.00	1.00
S10SEMITANC	5391	0.14	0.35	0.00	1.00
S11SEMITANC	4923	0.16	0.37	0.00	1.00
S12SEMITANC	4564	0.14	0.34	0.00	1.00
S13SEMITANC	4567	0.16	0.36	0.00	1.00
S14SEMITANC	3865	0.16	0.36	0.00	1.00
R8FULLTANC	6240	0.44	0.50	0.00	1.00
R9FULLTANC	5751	0.48	0.50	0.00	1.00
R10FULLTANC	7699	0.44	0.50	0.00	1.00
R11FULLTANC	7149	0.46	0.50	0.00	1.00
R12FULLTANC	6784	0.48	0.50	0.00	1.00
R13FULLTANC	7066	0.48	0.50	0.00	1.00
R14FULLTANC	6095	0.50	0.50	0.00	1.00

S8FULLTANC	4402	0.41	0.49	0.00	1.00
S9FULLTANC	3822	0.46	0.50	0.00	1.00
S10FULLTANC	5031	0.41	0.49	0.00	1.00
S11FULLTANC	4637	0.43	0.50	0.00	1.00
S12FULLTANC	4302	0.45	0.50	0.00	1.00
S13FULLTANC	4317	0.45	0.50	0.00	1.00
S14FULLTANC	3629	0.47	0.50	0.00	1.00
R8SBSTANC	497	0.28	0.45	0.00	1.00
R9SBSTANC	486	0.27	0.44	0.00	1.00
R10SBSTANC	544	0.26	0.44	0.00	1.00
R11SBSTANC	548	0.24	0.43	0.00	1.00
R12SBSTANC	642	0.20	0.40	0.00	1.00
R13SBSTANC	718	0.27	0.44	0.00	1.00
R14SBSTANC	645	0.28	0.45	0.00	1.00
S8SBSTANC	217	0.24	0.43	0.00	1.00
S9SBSTANC	206	0.24	0.43	0.00	1.00
S10SBSTANC	264	0.25	0.43	0.00	1.00
S11SBSTANC	241	0.24	0.43	0.00	1.00
S12SBSTANC	290	0.19	0.39	0.00	1.00
S13SBSTANC	300	0.26	0.44	0.00	1.00
S14SBSTANC	263	0.26	0.44	0.00	1.00

### Categorical Variable Codes

Value-----	R8SEMIDONE	R9SEMIDONE	R10SEMIDONE
.m:Missing	9	5	27
.n:Not willing/able	737	558	589
.r:Refuse	4	8	6
.s:Skipped	10675	10286	13030
.x:Tried but was unable	61	1	2
0.no	247	317	338
1.yes	6736	6042	8042

Value-----	R11SEMIDONE	R12SEMIDONE	R13SEMIDONE	R14SEMIDONE
.d:DK			3	1
.m:Missing	3	19		15
.n:Not willing/able	702	632	647	615
.r:Refuse	11			1
.s:Skipped	12039	10749	12618	9864
.x:Tried but was unable	2			
0.no	301	351	371	349
1.yes	7496	6996	7273	6301

Value-----	S8SEMIDONE	S9SEMIDONE	S10SEMIDONE
.m:Missing	5	2	12
.n:Not willing/able	353	250	278
.r:Refuse	2	2	3
.s:Skipped	6557	6303	7823
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.x:Tried but was unable	20	1	1
0.no	110	134	171
1.yes	4681	3948	5220

Value-----	S11SEMIDONE	S12SEMIDONE	S13SEMIDONE	S14SEMIDONE
.d:DK			3	
.m:Missing	1	9		6
.n:Not willing/able	303	287	272	261
.r:Refuse	5			
.s:Skipped	7243	6151	6941	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
.x:Tried but was unable	2			
0.no	135	169	147	147
1.yes	4787	4396	4415	3718

Value-----		R8SEMICOMP	R9SEMICOMP	R10SEMICOMP
.m:Missing		6	5	26
.s:Skipped		10675	10286	13030
0.no		737	558	590
1.yes		7051	6368	8388

Value-----	R11SEMICOMP	R12SEMICOMP	R13SEMICOMP	R14SEMICOMP
.m:Missing	3	19		15
.s:Skipped	12039	10749	12612	9864
0.no	702	632	647	615
1.yes	7810	7347	7653	6652

Value-----		S8SEMICOMP	S9SEMICOMP	S10SEMICOMP
.m:Missing		2	2	11
.s:Skipped		6557	6303	7823
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
0.no		353	250	279
1.yes		4816	4085	5395

Value-----	S11SEMICOMP	S12SEMICOMP	S13SEMICOMP	S14SEMICOMP
.m:Missing	1	9		6
.s:Skipped	7243	6151	6939	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	303	287	272	261
1.yes	4929	4565	4567	3865

Value-----		R8FULLDONE	R9FULLDONE	R10FULLDONE
.d:DK				1
.m:Missing		74	51	76
.n:Not willing/able		1138	839	923
.r:Refuse		3	8	4
.s:Skipped		10675	10286	13030
.t:not tested		249	281	301
.x:Tried but was unable		92		1
0.no		1377	1457	1739
1.yes		4861	4295	5959

Value-----	R11FULLDONE	R12FULLDONE	R13FULLDONE	R14FULLDONE
.d:DK			1	1
.m:Missing	77	168		118
.n:Not willing/able	1038	685	707	686
.r:Refuse	6		2	
.s:Skipped	12039	10749	12729	9864
.t:not tested	244	360	410	383
.x:Tried but was unable	1			
0.no	1718	1835	1781	1715
1.yes	5431	4950	5282	4379

Value-----		S8FULLDONE	S9FULLDONE	S10FULLDONE
.m:Missing		27	19	34
.n:Not willing/able		581	373	465
.r:Refuse		2	2	1
.s:Skipped		6557	6303	7823
.t:not tested		110	121	153
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
.x:Tried but was unable		52		1
0.no		826	835	955
1.yes		3573	2987	4076

Value-----	S11FULLDONE	S12FULLDONE	S13FULLDONE	S14FULLDONE
.d:DK			1	
.m:Missing	28	73		53
.n:Not willing/able	450	314	307	292
.r:Refuse	1		2	
.s:Skipped	7243	6151	6989	5226
.t:not tested	117	172	165	158
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
.x:Tried but was unable	1			
0.no	919	993	960	886
1.yes	3717	3309	3354	2743

Value-----		R8FULLCOMP	R9FULLCOMP	R10FULLCOMP
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.m:Missing			6	5	77
.s:Skipped			10675	10286	13030
.t:not tested			1051	885	890
0.no			401	281	333
1.yes			6336	5760	7704
Value-----	R11FULLCOMP	R12FULLCOMP	R13FULLCOMP	R14FULLCOMP	
.m:Missing	3	168		118	
.s:Skipped	12039	10749	12729	9864	
.t:not tested	1020	416	465	427	
0.no	336	629	652	642	
1.yes	7156	6785	7066	6095	
Value-----			S8FULLCOMP	S9FULLCOMP	S10FULLCOMP
.m:Missing			2	2	35
.s:Skipped			6557	6303	7823
.t:not tested			485	388	431
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			228	123	186
1.yes			4456	3824	5033
Value-----	S11FULLCOMP	S12FULLCOMP	S13FULLCOMP	S14FULLCOMP	
.m:Missing	1	73		53	
.s:Skipped	7243	6151	6989	5226	
.t:not tested	447	194	188	177	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	147	292	284	273	
1.yes	4638	4302	4317	3629	
Value-----			R8SBSDONE	R9SBSDONE	R10SBSDONE
.m:Missing			6	5	26
.n:Not willing/able			546	398	395
.r:Refuse			1	1	2
.s:Skipped			10675	10286	13030
.t:not tested			6734	6041	8037
.x:Tried but was unable			10		
0.no			21	22	21
1.yes			476	464	523
Value-----	R11SBSDONE	R12SBSDONE	R13SBSDONE	R14SBSDONE	
.d:DK		1	1		
.m:Missing	3	29		37	
.n:Not willing/able	472	340	332	331	
.s:Skipped	12039	10749	12621	9864	
.t:not tested	7492	6987	7243	6269	
.x:Tried but was unable	1				
0.no	24	31	51	34	
1.yes	523	610	664	611	
Value-----			S8SBSDONE	S9SBSDONE	S10SBSDONE
.m:Missing			2	2	11
.n:Not willing/able			269	182	191
.r:Refuse			1		
.s:Skipped			6557	6303	7823
.t:not tested			4681	3947	5219
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
.x:Tried but was unable			1		
0.no			5	10	11
1.yes			212	196	253
Value-----	S11SBSDONE	S12SBSDONE	S13SBSDONE	S14SBSDONE	
.d:DK		1	1		
.m:Missing	1	13		18	
.n:Not willing/able	206	165	133	143	
.s:Skipped	7243	6151	6945	5227	
.t:not tested	4785	4393	4402	3707	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
.x:Tried but was unable	1				
0.no	9	13	19	10	
1.yes	231	276	278	253	
Value-----			R8SBSCOMP	R9SBSCOMP	R10SBSCOMP

.m:Missing			6	5	26
.s:Skipped			10675	10286	13030
.t:not tested			6734	6041	8037
0.no			546	398	395
1.yes			508	487	546
Value-----	R11SBSCOMP	R12SBSCOMP	R13SBSCOMP	R14SBSCOMP	
.m:Missing	3	29		37	
.s:Skipped	12039	10749	12619	9864	
.t:not tested	7492	6987	7243	6269	
0.no	472	340	332	331	
1.yes	548	642	718	645	
Value-----			S8SBSCOMP	S9SBSCOMP	S10SBSCOMP
.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.t:not tested			4681	3947	5219
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			269	182	191
1.yes			219	206	264
Value-----	S11SBSCOMP	S12SBSCOMP	S13SBSCOMP	S14SBSCOMP	
.m:Missing	1	13		18	
.s:Skipped	7243	6151	6943	5227	
.t:not tested	4785	4393	4402	3707	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	206	165	133	143	
1.yes	241	290	300	263	
Value-----			R8BALANCE	R9BALANCE	R10BALANCE
.d:DK					1
.m:Missing			7	5	29
.n:Not willing/able			1145	855	943
.r:Refuse			7	17	11
.s:Skipped			10675	10286	13030
.x: Tried but was unable			158	1	3
1.No semi/no s-b-s			13	6	9
2.No semi/yes s-b-s			226	295	310
3.Yes semi/no full			1377	1457	1739
4.Yes semi/yes full			4861	4295	5959
Value-----	R11BALANCE	R12BALANCE	R13BALANCE	R14BALANCE	
.d:DK		1	5	2	
.m:Missing	6	187		165	
.n:Not willing/able	1056	689	708	688	
.r:Refuse	17		2	1	
.s:Skipped	12039	10749	12770	9864	
.x: Tried but was unable	4				
1.No semi/no s-b-s	14	12	26	17	
2.No semi/yes s-b-s	269	324	338	315	
3.Yes semi/no full	1718	1835	1781	1715	
4.Yes semi/yes full	5431	4950	5282	4379	
Value-----			S8BALANCE	S9BALANCE	S10BALANCE
.m:Missing			2	2	11
.n:Not willing/able			589	382	477
.r:Refuse			4	4	4
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
.x: Tried but was unable			72	1	2
1.No semi/no s-b-s			2	2	2
2.No semi/yes s-b-s			103	124	158
3.Yes semi/no full			826	835	955
4.Yes semi/yes full			3573	2987	4076
Value-----	S11BALANCE	S12BALANCE	S13BALANCE	S14BALANCE	
.d:DK		1	5		
.m:Missing	2	79		69	
.n:Not willing/able	455	316	307	293	
.r:Refuse	6		2		
.s:Skipped	7243	6151	7006	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	

.x: Tried but was unable	4			
1.No semi/no s-b-s	6	6	10	4
2.No semi/yes s-b-s	124	157	134	137
3.Yes semi/no full	919	993	960	886
4.Yes semi/yes full	3717	3309	3354	2743
Value-----		R8BALFLR	R9BALFLR	R10BALFLR
.d:DK		1		4
.m:Missing		6	5	26
.n:Not willing/able		945	679	728
.r:Refuse		4	9	6
.s:Skipped		10675	10286	13030
.x:Tried but was unable		102		
1.Linoleum/Tile/Wood		3911	3748	5138
2.Low-Pile Carpet		2536	2267	2822
3.High-Pile Carpet		168	121	149
4.Concrete		105	85	109
5.Other		16	17	22
Value-----	R11BALFLR			
.d:DK	2			
.m:Missing	3			
.n:Not willing/able	808			
.r:Refuse	6			
.s:Skipped	12039			
1.Linoleum/Tile/Wood	4839			
2.Low-Pile Carpet	2535			
3.High-Pile Carpet	141			
4.Concrete	151			
5.Other	30			
Value-----		S8BALFLR	S9BALFLR	S10BALFLR
.d:DK		1		3
.m:Missing		2	2	11
.n:Not willing/able		495	305	377
.r:Refuse		3	2	1
.s:Skipped		6557	6303	7823
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
.x:Tried but was unable		53		
1.Linoleum/Tile/Wood		2812	2517	3445
2.Low-Pile Carpet		1616	1382	1684
3.High-Pile Carpet		110	75	90
4.Concrete		70	45	61
5.Other		9	9	13
Value-----	S11BALFLR			
.m:Missing	1			
.n:Not willing/able	353			
.r:Refuse	1			
.s:Skipped	7243			
.u:not coupled	7483			
.v:SP NR	595			
1.Linoleum/Tile/Wood	3274			
2.Low-Pile Carpet	1411			
3.High-Pile Carpet	92			
4.Concrete	87			
5.Other	14			
Value-----		R8BALCOMPL	R9BALCOMPL	R10BALCOMPL
.m:Missing		6	5	26
.n:Not willing/able		944	679	728
.r:Refuse		4	9	6
.s:Skipped		10675	10286	13030
.x:Tried but was unable		102		
1.compliant		6712	6218	8208
2.justified non-compliant		23	17	30
3.unjustified non-compliant		3	3	6
Value-----	R11BALCOMPL			
.m:Missing	3			
.n:Not willing/able	808			
.r:Refuse	6			
.s:Skipped	12039			
1.compliant	7658			
2.justified non-compliant	30			

3.unjustified non-compliant | 10

Value-----	S8BALCOMPL	S9BALCOMPL	S10BALCOMPL
.m:Missing	2	2	11
.n:Not willing/able	494	305	377
.r:Refuse	3	2	1
.s:Skipped	6557	6303	7823
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.x:Tried but was unable	53		
1.compliant	4602	4019	5271
2.justified non-compliant	14	7	20
3.unjustified non-compliant	3	2	5

Value-----	S11BALCOMPL
.m:Missing	1
.n:Not willing/able	353
.r:Refuse	1
.s:Skipped	7243
.u:not coupled	7483
.v:SP NR	595
1.compliant	4859
2.justified non-compliant	15
3.unjustified non-compliant	4

Value-----	R8SEMITANC	R9SEMITANC	R10SEMITANC
.d:DK			1
.m:Missing	6	5	27
.n:Not willing/able	737	558	589
.r:Refuse	4	8	6
.s:Skipped	10675	10286	13030
.x:Tried but was unable	61		
0.no	5789	5222	7000
1.yes	1197	1138	1381

Value-----	R11SEMITANC	R12SEMITANC	R13SEMITANC	R14SEMITANC
.d:DK		2		
.m:Missing	3	19		15
.n:Not willing/able	702	632	647	615
.r:Refuse	11			
.s:Skipped	12039	10749	12612	9864
.x:Tried but was unable	1			
0.no	6373	6128	6260	5399
1.yes	1425	1217	1393	1253

Value-----	S8SEMITANC	S9SEMITANC	S10SEMITANC
.d:DK			1
.m:Missing	2	2	12
.n:Not willing/able	353	250	278
.r:Refuse	2	2	3
.s:Skipped	6557	6303	7823
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.x:Tried but was unable	20		
0.no	4090	3455	4619
1.yes	704	628	772

Value-----	S11SEMITANC	S12SEMITANC	S13SEMITANC	S14SEMITANC
.d:DK		1		
.m:Missing	1	9		6
.n:Not willing/able	303	287	272	261
.r:Refuse	5			
.s:Skipped	7243	6151	6939	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
.x:Tried but was unable	1			
0.no	4118	3938	3856	3254
1.yes	805	626	711	611

Value-----	R8FULLTANC	R9FULLTANC	R10FULLTANC
.d:DK	1	1	1
.m:Missing	71	51	76
.n:Not willing/able	1138	839	923
.r:Refuse	3	8	4
.s:Skipped	10675	10286	13030
.t:not tested	249	281	301



.x:Tried but was unable			92		
0.no			3496	3003	4273
1.yes			2744	2748	3426
Value-----	R11FULLTANC	R12FULLTANC	R13FULLTANC	R14FULLTANC	
.d:DK	1	1			
.m:Missing	77	168		118	
.n:Not willing/able	1038	685	707	686	
.r:Refuse	6				
.s:Skipped	12039	10749	12729	9864	
.t:not tested	244	360	410	383	
0.no	3849	3509	3675	3059	
1.yes	3300	3275	3391	3036	
Value-----			S8FULLTANC	S9FULLTANC	S10FULLTANC
.d:DK					1
.m:Missing			24	19	34
.n:Not willing/able			581	373	465
.r:Refuse			2	2	1
.s:Skipped			6557	6303	7823
.t:not tested			110	121	153
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
.x:Tried but was unable			52		
0.no			2599	2080	2951
1.yes			1803	1742	2080
Value-----	S11FULLTANC	S12FULLTANC	S13FULLTANC	S14FULLTANC	
.m:Missing	28	73		53	
.n:Not willing/able	450	314	307	292	
.r:Refuse	1				
.s:Skipped	7243	6151	6989	5226	
.t:not tested	117	172	165	158	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	2642	2356	2356	1919	
1.yes	1995	1946	1961	1710	
Value-----			R8SBSTANC	R9SBSTANC	R10SBSTANC
.m:Missing			6	5	26
.n:Not willing/able			546	398	395
.r:Refuse			1	1	2
.s:Skipped			10675	10286	13030
.t:not tested			6734	6041	8037
.x:Tried but was unable			10		
0.no			356	356	402
1.yes			141	130	142
Value-----	R11SBSTANC	R12SBSTANC	R13SBSTANC	R14SBSTANC	
.m:Missing	3	29		37	
.n:Not willing/able	472	340	332	331	
.s:Skipped	12039	10749	12619	9864	
.t:not tested	7492	6987	7243	6269	
0.no	414	516	524	462	
1.yes	134	126	194	183	
Value-----			S8SBSTANC	S9SBSTANC	S10SBSTANC
.m:Missing			2	2	11
.n:Not willing/able			269	182	191
.r:Refuse			1		
.s:Skipped			6557	6303	7823
.t:not tested			4681	3947	5219
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
.x:Tried but was unable			1		
0.no			165	157	199
1.yes			52	49	65
Value-----	S11SBSTANC	S12SBSTANC	S13SBSTANC	S14SBSTANC	
.m:Missing	1	13		18	
.n:Not willing/able	206	165	133	143	
.s:Skipped	7243	6151	6943	5227	
.t:not tested	4785	4393	4402	3707	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	183	236	221	195	

1.yes

|

58

54

79

68

## How Constructed:

RwSEMITAN indicates the amount of time the respondent held the semi-tandem standing test in seconds to two decimal places. The maximum value is 10 seconds. The respondent is instructed to stand with the side of the heel of one foot touching the big toe of the other foot for 10 seconds, if they are able. The respondent is allowed to put either foot in front and may use their arms, bend their knees or use their body to maintain balance. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .x is assigned if the respondent tried to do the test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete the standing tests due to various reasons, including not understanding the instructions and safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSEMITAN indicates the length of time the respondent's current wave's spouse held the semi-tandem standing test, and its values are taken from RwSEMITAN. In addition to the special missing codes employed by RwSEMITAN, SwSEMITAN employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSEMIDONE indicates whether the respondent maintained balance for the full 10 seconds during the semi-tandem standing test. RwSEMIDONE is coded as 1 if the respondent maintained balance for 10 seconds, while a 0 indicates that the respondent's time fell below 10 seconds. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .x is assigned if the respondent tried to do the test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete the standing tests due to various reasons, including not understanding the instructions, or safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSEMIDONE indicates whether the respondent's current wave's spouse maintained balance for the entire semi-tandem standing test, and its values are taken from RwSEMIDONE. In addition to the special missing codes employed by RwSEMIDONE, SwSEMIDONE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSEMICOMP indicates whether the respondent was willing and able to complete the semi-tandem standing test. RwSEMICOMP is coded as 1 if the respondent did not report having any problems with recent surgeries, injuries or other health conditions that may prevent the respondent from standing up from a chair and balancing and further stated they can complete the semi-tandem test, the respondent understood the instructions for the test, the respondent felt it was safe for them to complete the test, and the respondent at least attempted the test. RwSEMICOMP is coded as 0 if the respondent did not want to complete the test because of physical health issues, the respondent did not understand the instructions, the respondent simply did not feel safe to complete the test, or the respondent did not attempt the test. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSEMICOMP indicates whether the respondent's current wave's spouse was willing and able to complete the semi-tandem standing test, and its values are taken from RwSEMICOMP. In addition to the special missing codes employed by RwSEMICOMP, SwSEMICOMP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFULLTAN indicates the amount of time the respondent held the full-tandem test in seconds to two decimal places. The maximum value is 30 and 60 seconds, depending on age. Respondents 70 and older were only expected to hold full-tandem for 30 seconds, but their full time was recorded if past 30 seconds, while those under age 70 were expected to hold 60 seconds, if able. The respondent was instructed to stand with the heel of one foot in front of the other, touching the toes of the front foot for 30 seconds or 60 seconds, depending on age. The respondent was allowed to use their arms, bend their knees, or move their body to maintain balance. Only respondents who maintained the semi-tandem position for the full 10 seconds performed the full-tandem test. Special missing .t is assigned if the respondent was not asked to complete this test because they were unable to complete the semi-tandem standing test. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .x is assigned if the respondent tried to do the test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete the standing tests due to various reasons, including not understanding the instructions, or safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwFULLTAN indicates the amount of time the respondent's current wave's spouse held the full-tandem test, and its values are taken from RwFULLTAN. In addition to the special missing codes employed by RwFULLTAN, SwFULLTAN employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFULLDONE indicates whether the respondent maintained balance for the full 30/60 seconds during the full-tandem standing test. RwFULLDONE is coded as 1 if the respondent maintained balance for the full time, while a 0 indicates the respondent's time fell below the expected time for their age group. Only respondents who maintained the semi-tandem position for the full 10 seconds performed the full-tandem test. Special missing .t is assigned if the respondent was not asked to complete this test because they were unable to complete the semi-tandem standing test. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .x is assigned if the respondent tried to do the test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete the standing tests due to various reasons, including not understanding the instructions, or safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwFULLDONE indicates whether the respondent's current wave's spouse maintained balance for the entire full-tandem standing test, and its values are taken from RwFULLDONE. In addition to the special missing codes employed by RwFULLDONE, SwFULLDONE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFULLCOMP indicates whether the respondent was willing and able to complete the full-tandem standing test. RwFULLCOMP is coded as 1 if the respondent understood the instructions for the test, the respondent felt it was safe for them to complete the test, and the respondent at least attempted the test. RwFULLCOMP is coded as 0 if the respondent did not understand the instructions, the respondent did not feel safe completing the test, or the respondent did not attempt the test. Only respondents who maintained the semi-tandem position for the full 10 seconds performed the full-tandem test. Special missing .t is assigned if the respondent was not asked to complete this test because they were unable to complete the semi-tandem standing test. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwFULLCOMP indicates whether the respondent's current wave's spouse was willing and able to complete the full-tandem standing test, and its values are taken from RwFULLCOMP. In addition to the special missing codes employed by RwFULLCOMP, SwFULLCOMP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSBSTAN indicates the amount of time the respondent held the side-by-side test position in seconds to two decimal places. The respondent was instructed to stand with feet together, side-by-side, for about 10 seconds. The respondent was allowed to use their arms, bend their knees, or move their body to maintain balance. Only respondents who were not able to maintain balance for 10 seconds in the semi-tandem test performed the side-by-side test. Special missing .t is assigned if the respondent was not asked to complete this test because they completed the semi-tandem standing test. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .x is assigned if the respondent tried to do the test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete the standing tests due to various reasons, including not understanding the instructions, or safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSBSTAN indicates the amount of time the respondent's current wave's spouse held the side-by-side test position, and its values are taken from RwSBSTAN. In addition to the special missing codes employed by RwSBSTAN, SwSBSTAN employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSBSDONE indicates whether the respondent maintained balance for the full 10 seconds of the side-by-side test without stepping out of place or grabbing hold of anything. RwsBSDONE is coded as 1 if the respondent maintained balance for the full time, while a 0 indicates the respondent's time fell below 10 seconds. Only respondents who were not able to maintain balance for 10 seconds in the semi-tandem test performed the side-by-side test. Special missing .t is assigned if the respondent was not asked to complete this test because they completed the semi-tandem standing test. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .x is assigned if the respondent tried to do the test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete the standing tests due to various reasons, including not understanding the instructions, or safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSBSDONE indicates whether the respondent's current wave's spouse maintained balance for the entire side-by-side test, and its values are taken from RwsBSDONE. In addition to the special missing codes employed by RwsBSDONE, SwSBSDONE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSBSCOMP indicates whether the respondent was willing and able to complete the side-by-side standing test. RwsBSCOMP is coded as 1 if the respondent understood the instructions for the test, the respondent felt it was safe for them to complete the test, and the respondent at least attempted the test. RwsBSCOMP is coded as 0 if the respondent did not understand the instructions, the respondent did not feel safe completing the test, or the respondent did not attempt the test. Only respondents who were not able to maintain balance for 10 seconds in the semi-tandem test performed the side-by-side test. Special missing .t is assigned if the respondent was not asked to complete this test because they completed the semi-tandem standing test. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSBSCOMP indicates whether the respondent's current wave's spouse was willing and able to complete the side-by-side test, and its values are taken from RwsBSCOMP. In addition to the special missing codes employed by RwsBSCOMP, SwSBSCOMP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwBALANCE indicates the highest balance level of the respondent. RwBALANCE is coded as 1 if the respondent did not complete the semi-tandem nor side-by-side test to the maximum time. RwBALANCE is coded as 2 if the respondent did not complete the semi-tandem test to the maximum time, but did complete the side-by-side test to the maximum time. RwBALANCE is coded as 3 if the respondent completed the semi-tandem test to the maximum time, but did not complete the expected full-tandem test time. RwBALANCE is coded as 4 if the respondent completed the semi-tandem test and full-tandem test to the maximum time. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .x is assigned if the respondent tried to do the test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete the standing tests due to various reasons, including not understanding the instructions, and safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwBALANCE indicates the assigned highest balance level of the respondent's current wave's spouse, and its values are taken from RwBALANCE. In addition to the special missing codes employed by RwBALANCE, SwBALANCE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwBALFLR indicates the floor surface for the respondent's side-by-side or full-tandem balance tests. RwBALFLR is coded as follows: 1.linoleum/tile/wood, 2.low-pile carpet, 3.high-pile carpet, 4.concrete, 5.other. RwBALFLR is not available from Wave 12 onwards. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the measurements due to various reasons, including the respondent did not understand the instructions and safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwBALFLR indicates the floor surface used during the respondent's current wave's spouse's balance tests, and its values are taken from RwBALFLR. In addition to the special missing codes employed by RwBALFLR, SwBALFLR employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwBALCOMPL indicates the level of compliance displayed by the respondent during the balance tests. RwBALCOMPL is coded as follows: 1.compliant if respondents are fully compliant, 2.justified non-compliant if their non-compliance is justified by illness, pain or other symptoms or discomfort and 3.unjustified non-compliant if their non-compliance is due to no obvious reason. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the side-by-side or full-tandem balance tests due to a variety of reasons, including safety concerns, or the respondent did not understand the instructions. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. RwBALCOMPL is set to plain missing (.) for respondents who did not respond to the current wave.

SwBALCOMPL indicates the respondent's current wave's spouse's compliance level during the side-by-side or full-tandem balance tests, and is taken from RwBALCOMPL. In addition to the special missing codes employed by RwBALCOMPL, SwBALCOMPL employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSEMITANC, RwFULLTANC and RwSBSTANC indicate whether the respondent used compensatory movements during the semi-tandem, full-tandem or side-by-side standing tests. RwSEMITANC, RwFULLTANC and RwSBSTANC are coded as 1 if the respondent used compensatory movements during the test, while a 0 indicates that the respondent did not use them. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .x is assigned if the respondent tried to do the test but was unable to do it. Special missing .n is assigned if the respondent did not complete the standing tests due to various reasons, including not understanding the instructions, or

safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSEMITANC, SwFULLTANC and SwSBSTANC indicate whether the respondent's current wave's spouse used compensatory movements during the semi-tandem, full-tandem or side-by-side standing tests, and their values are taken from RwSEMITANC, RwfFULLTANC and RwsSBSTANC. In addition to the special missing codes employed by RwSEMITANC, RwfFULLTANC and RwsSBSTANC, SwSEMITANC, SwFULLTANC and SwSBSTANC employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The balancing tests began in Wave 8.

Starting in Wave 12, there are additional screening questions asking about any problems that might prevent the respondent from standing up from a chair and balancing and their willingness to proceed with these tests which determine whether the respondent participates in the balancing tests.

The floor the respondent completed the balance tests on and their compliance with the balance tests are no longer surveyed starting in Wave 12.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

## HRS Variables Used:

### Wave 8:

KA028	r in nursing home
KI800	physical measures ftf iw
KI802	physical measures consent form
KI876	balance test - semi-tandem stand
KI879	balance test semi-tandem hold full time
KI880	balance test semi-tandem time
KI883	balance test s-b-s complete
KI886	balance test s-b-s hold full time
KI887	balance test side-by-side time
KI889	balance test s-b-s floor surface
KI891	balance test s-b-s compliance
KI896	balance test full tandem hold full time
KI897	balance test full tandem time
KI899	balance test full tandem floor surface
KI902	balance test full tandem compliance

### Wave 9:

LA028	r in nursing home
LI800	physical measures ftf iw
LI802	physical measures consent form
LI876	balance test - semi-tandem stand
LI879	balance test semi-tandem hold full time
LI880	balance test semi-tandem time
LI881	balance test semi-tandem compensatory
LI883	balance test s-b-s complete
LI886	balance test s-b-s hold full time
LI887	balance test side-by-side time
LI888	balance test side-by-side compensatory
LI889	balance test s-b-s floor surface
LI891	balance test s-b-s compliance
LI896	balance test full tandem hold full time
LI897	balance test full tandem time
LI898	balance test full tandem compensatory
LI899	balance test full tandem floor surface

LI902 balance test full tandem compliance

Wave 10:

MA028 r in nursing home

MI800 physical measures ftf iw

MI802 physical measures consent

MI876 balance test - semi-tandem stand

MI879 balance test semi-tandem hold full time

MI880 balance test semi-tandem time

MI881 balance test semi-tandem compensatory

MI883 balance test s-b-s complete

MI886 balance test s-b-s hold full time

MI887 balance test side-by-side time

MI888 balance test side-by-side compensatory

MI889 balance test s-b-s floor surface

MI891 balance test s-b-s compliance

MI896 balance test full tandem hold full time

MI897 balance test full tandem time

MI898 balance test full tandem compensatory

MI899 balance test full tandem floor surface

MI902 balance test full tandem compliance

Wave 11:

NA028 r in nursing home

NI800 physical measures ftf iw

NI802 physical measures consent

NI876 balance test - semi-tandem stand

NI879 balance test semi-tandem hold full time

NI880 balance test semi-tandem time

NI881 balance test semi-tandem compensatory

NI883 balance test s-b-s complete

NI886 balance test s-b-s hold full time

NI887 balance test side-by-side time

NI888 balance test side-by-side compensatory

NI889 balance test s-b-s floor surface

NI891 balance test s-b-s compliance

NI896 balance test full tandem hold full time

NI897 balance test full tandem time

NI898 balance test full tandem compensatory

NI899 balance test full tandem floor surface

NI902 balance test full tandem compliance

Wave 12:

OA028 r in nursing home

OI616 r injury/discomfort discussion

OI800 physical measures ftf iw

OI802 physical measures consent

OI876 balance test - semi-tandem stand

OI879 balance test semi-tandem hold full time

OI880 balance test semi-tandem time

OI881 balance test semi-tandem compensatory

OI883 balance test s-b-s complete

OI886 balance test s-b-s hold full time

OI887 balance test side-by-side time

OI888 balance test side-by-side compensatory

OI896 balance test full tandem hold full time

OI897 balance test full tandem time

OI898 balance test full tandem compensatory

OI970 semi-tandem screening question

OI971 semi-tandem safety question

Wave 13:

PA028 r in nursing home

PI616 r injury/discomfort discussion

PI800 physical measures ftf iw

PI802 physical measures consent

PI876 balance test - semi-tandem stand

PI879 balance test semi-tandem hold full time  
PI880 balance test semi-tandem time  
PI881 balance test semi-tandem compensatory  
PI883 balance test s-b-s complete  
PI886 balance test s-b-s hold full time  
PI887 balance test side-by-side time  
PI888 balance test side-by-side compensatory  
PI896 balance test full tandem hold full time  
PI897 balance test full tandem time  
PI898 balance test full tandem compensatory  
PI970 semi-tandem screening question  
PI971 semi-tandem safety question

## Wave 14:

QA028 r in nursing home  
QI616 r injury/discomfort discussion  
QI800 physical measures ftf iw  
QI802 physical measures consent  
QI876 balance test - semi-tandem stand  
QI879 balance test semi-tandem hold full time  
QI880 balance test semi-tandem time  
QI881 balance test semi-tandem compensatory  
QI883 balance test s-b-s complete  
QI886 balance test s-b-s hold full time  
QI887 balance test side-by-side time  
QI888 balance test side-by-side compensatory  
QI896 balance test full tandem hold full time  
QI897 balance test full tandem time  
QI898 balance test full tandem compensatory  
QI970 semi-tandem screening question  
QI971 semi-tandem safety question



<b>Balance Test Measurements: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
08	R8BALSFT	r8balsft:w8 r didn't complete balance: unsafe/health reason	Categ
09	R9BALSFT	r9balsft:w9 r didn't complete balance: unsafe/health reason	Categ
10	R10BALSFT	r10balsft:w10 r didn't complete balance: unsafe/health reason	Categ
11	R11BALSFT	r11balsft:w11 r didn't complete balance: unsafe/health reason	Categ
12	R12BALSFT	r12balsft:w12 r didn't complete balance: unsafe/health reason	Categ
13	R13BALSFT	r13balsft:w13 r didn't complete balance: unsafe/health reason	Categ
14	R14BALSFT	r14balsft:w14 r didn't complete balance: unsafe/health reason	Categ
08	S8BALSFT	s8balsft:w8 s didn't complete balance: unsafe/health reason	Categ
09	S9BALSFT	s9balsft:w9 s didn't complete balance: unsafe/health reason	Categ
10	S10BALSFT	s10balsft:w10 s didn't complete balance: unsafe/health reason	Categ
11	S11BALSFT	s11balsft:w11 s didn't complete balance: unsafe/health reason	Categ
12	S12BALSFT	s12balsft:w12 s didn't complete balance: unsafe/health reason	Categ
13	S13BALSFT	s13balsft:w13 s didn't complete balance: unsafe/health reason	Categ
14	S14BALSFT	s14balsft:w14 s didn't complete balance: unsafe/health reason	Categ
08	R8BALREF	r8balref:w8 r didn't complete balance: refused	Categ
09	R9BALREF	r9balref:w9 r didn't complete balance: refused	Categ
10	R10BALREF	r10balref:w10 r didn't complete balance: refused	Categ
11	R11BALREF	r11balref:w11 r didn't complete balance: refused	Categ
12	R12BALREF	r12balref:w12 r didn't complete balance: refused	Categ
13	R13BALREF	r13balref:w13 r didn't complete balance: refused	Categ
14	R14BALREF	r14balref:w14 r didn't complete balance: refused	Categ
08	S8BALREF	s8balref:w8 s didn't complete balance: refused	Categ
09	S9BALREF	s9balref:w9 s didn't complete balance: refused	Categ
10	S10BALREF	s10balref:w10 s didn't complete balance: refused	Categ
11	S11BALREF	s11balref:w11 s didn't complete balance: refused	Categ
12	S12BALREF	s12balref:w12 s didn't complete balance: refused	Categ
13	S13BALREF	s13balref:w13 s didn't complete balance: refused	Categ
14	S14BALREF	s14balref:w14 s didn't complete balance: refused	Categ
08	R8BALTRYU	r8baltryu:w8 r didn't complete balance: tried but unable	Categ
09	R9BALTRYU	r9baltryu:w9 r didn't complete balance: tried but unable	Categ
10	R10BALTRYU	r10baltryu:w10 r didn't complete balance: tried but unable	Categ
11	R11BALTRYU	r11baltryu:w11 r didn't complete balance: tried but unable	Categ
12	R12BALTRYU	r12baltryu:w12 r didn't complete balance: tried but unable	Categ
13	R13BALTRYU	r13baltryu:w13 r didn't complete balance: tried but unable	Categ
14	R14BALTRYU	r14baltryu:w14 r didn't complete balance: tried but unable	Categ
08	S8BALTRYU	s8baltryu:w8 s didn't complete balance: tried but unable	Categ
09	S9BALTRYU	s9baltryu:w9 s didn't complete balance: tried but unable	Categ
10	S10BALTRYU	s10baltryu:w10 s didn't complete balance: tried but unable	Categ
11	S11BALTRYU	s11baltryu:w11 s didn't complete balance: tried but unable	Categ
12	S12BALTRYU	s12baltryu:w12 s didn't complete balance: tried but unable	Categ
13	S13BALTRYU	s13baltryu:w13 s didn't complete balance: tried but unable	Categ
14	S14BALTRYU	s14baltryu:w14 s didn't complete balance: tried but unable	Categ
08	R8BALEQUP	r8balequp:w8 r didn't complete balance: faulty equipment/spa	Categ
09	R9BALEQUP	r9balequp:w9 r didn't complete balance: faulty equipment/spa	Categ
10	R10BALEQUP	r10balequp:w10 r didn't complete balance: faulty equipment/s	Categ
11	R11BALEQUP	r11balequp:w11 r didn't complete balance: faulty equipment/s	Categ
08	S8BALEQUP	s8balequp:w8 s didn't complete balance: faulty equipment/spa	Categ
09	S9BALEQUP	s9balequp:w9 s didn't complete balance: faulty equipment/spa	Categ
10	S10BALEQUP	s10balequp:w10 s didn't complete balance: faulty equipment/s	Categ
11	S11BALEQUP	s11balequp:w11 s didn't complete balance: faulty equipment/s	Categ

08	R8BALOTHR	r8balothr:w8	r	didn't complete balance: other reason	Categ
09	R9BALOTHR	r9balothr:w9	r	didn't complete balance: other reason	Categ
10	R10BALOTHR	r10balothr:w10	r	didn't complete balance: other reason	Categ
11	R11BALOTHR	r11balothr:w11	r	didn't complete balance: other reason	Categ
12	R12BALOTHR	r12balothr:w12	r	didn't complete balance: other reason	Categ
13	R13BALOTHR	r13balothr:w13	r	didn't complete balance: other reason	Categ
14	R14BALOTHR	r14balothr:w14	r	didn't complete balance: other reason	Categ
08	S8BALOTHR	s8balothr:w8	s	didn't complete balance: other reason	Categ
09	S9BALOTHR	s9balothr:w9	s	didn't complete balance: other reason	Categ
10	S10BALOTHR	s10balothr:w10	s	didn't complete balance: other reason	Categ
11	S11BALOTHR	s11balothr:w11	s	didn't complete balance: other reason	Categ
12	S12BALOTHR	s12balothr:w12	s	didn't complete balance: other reason	Categ
13	S13BALOTHR	s13balothr:w13	s	didn't complete balance: other reason	Categ
14	S14BALOTHR	s14balothr:w14	s	didn't complete balance: other reason	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8BALSFT	1176	0.52	0.50	0.00	1.00
R9BALSFT	861	0.62	0.49	0.00	1.00
R10BALSFT	942	0.63	0.48	0.00	1.00
R11BALSFT	1074	0.67	0.47	0.00	1.00
R12BALSFT	858	0.96	0.19	0.00	1.00
R13BALSFT	843	0.89	0.31	0.00	1.00
R14BALSFT	817	0.91	0.28	0.00	1.00
S8BALSFT	604	0.47	0.50	0.00	1.00
S9BALSFT	386	0.57	0.50	0.00	1.00
S10BALSFT	478	0.59	0.49	0.00	1.00
S11BALSFT	467	0.65	0.48	0.00	1.00
S12BALSFT	390	0.95	0.22	0.00	1.00
S13BALSFT	361	0.89	0.31	0.00	1.00
S14BALSFT	350	0.90	0.30	0.00	1.00
R8BALREF	1176	0.17	0.37	0.00	1.00
R9BALREF	861	0.13	0.34	0.00	1.00
R10BALREF	942	0.10	0.30	0.00	1.00
R11BALREF	1074	0.09	0.28	0.00	1.00
R12BALREF	858	0.08	0.28	0.00	1.00
R13BALREF	843	0.09	0.29	0.00	1.00
R14BALREF	817	0.11	0.31	0.00	1.00
S8BALREF	604	0.17	0.37	0.00	1.00
S9BALREF	386	0.17	0.38	0.00	1.00
S10BALREF	478	0.08	0.26	0.00	1.00
S11BALREF	467	0.08	0.27	0.00	1.00
S12BALREF	390	0.09	0.28	0.00	1.00
S13BALREF	361	0.08	0.27	0.00	1.00
S14BALREF	350	0.10	0.30	0.00	1.00
R8BALTRYU	1176	0.37	0.48	0.00	1.00
R9BALTRYU	861	0.33	0.47	0.00	1.00
R10BALTRYU	942	0.36	0.48	0.00	1.00
R11BALTRYU	1074	0.31	0.46	0.00	1.00
R12BALTRYU	858	0.02	0.13	0.00	1.00
R13BALTRYU	843	0.04	0.20	0.00	1.00
R14BALTRYU	817	0.04	0.19	0.00	1.00
S8BALTRYU	604	0.40	0.49	0.00	1.00
S9BALTRYU	386	0.32	0.47	0.00	1.00

S10BALTRYU	478	0.37	0.48	0.00	1.00
S11BALTRYU	467	0.33	0.47	0.00	1.00
S12BALTRYU	390	0.03	0.16	0.00	1.00
S13BALTRYU	361	0.05	0.21	0.00	1.00
S14BALTRYU	350	0.04	0.20	0.00	1.00
R8BALEQUP	1176	0.00	0.05	0.00	1.00
R9BALEQUP	861	0.02	0.13	0.00	1.00
R10BALEQUP	942	0.01	0.10	0.00	1.00
R11BALEQUP	1074	0.01	0.11	0.00	1.00
S8BALEQUP	604	0.00	0.04	0.00	1.00
S9BALEQUP	386	0.02	0.13	0.00	1.00
S10BALEQUP	478	0.01	0.10	0.00	1.00
S11BALEQUP	467	0.01	0.09	0.00	1.00
R8BALOTHR	1176	0.05	0.21	0.00	1.00
R9BALOTHR	861	0.03	0.17	0.00	1.00
R10BALOTHR	942	0.08	0.26	0.00	1.00
R11BALOTHR	1074	0.03	0.18	0.00	1.00
R12BALOTHR	834	0.02	0.12	0.00	1.00
R13BALOTHR	843	0.06	0.23	0.00	1.00
R14BALOTHR	817	0.05	0.21	0.00	1.00
S8BALOTHR	604	0.05	0.22	0.00	1.00
S9BALOTHR	386	0.04	0.19	0.00	1.00
S10BALOTHR	478	0.09	0.29	0.00	1.00
S11BALOTHR	467	0.03	0.17	0.00	1.00
S12BALOTHR	378	0.02	0.13	0.00	1.00
S13BALOTHR	361	0.06	0.23	0.00	1.00
S14BALOTHR	350	0.04	0.19	0.00	1.00

### Categorical Variable Codes

Value-----	R8BALSFT	R9BALSFT	R10BALSFT
.c:completed test	6611	6063	8034
.d:DK	1	2	
.m:Missing	6	5	26
.r:Refuse			2
.s:Skipped	10675	10286	13030
0.no	570	329	348
1.yes	606	532	594

Value-----	R11BALSFT	R12BALSFT	R13BALSFT	R14BALSFT
.c:completed test	7438	7137	7476	6466
.m:Missing	3	2		
.r:Refuse		1		
.s:Skipped	12039	10749	12593	9863
0.no	350	33	89	71
1.yes	724	825	754	746

Value-----	S8BALSFT	S9BALSFT	S10BALSFT
.c:completed test	4565	3949	5196
.m:Missing	2	2	11
.s:Skipped	6557	6303	7823
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
0.no	322	165	195
1.yes	282	221	283

Value-----	S11BALSFT	S12BALSFT	S13BALSFT	S14BALSFT
.c:completed test	4765	4470	4481	3782
.m:Missing	1			
.r:Refuse		1		
.s:Skipped	7243	6151	6936	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	165	20	40	34

1.yes	302	370	321	316	
Value-----			R8BALREF	R9BALREF	R10BALREF
.c:completed test			6611	6063	8034
.d:DK			1	2	
.m:Missing			6	5	26
.r:Refuse					2
.s:Skipped			10675	10286	13030
0.no			980	747	850
1.yes			196	114	92
Value-----	R11BALREF	R12BALREF	R13BALREF	R14BALREF	
.c:completed test	7438	7137	7476	6466	
.m:Missing	3	2			
.r:Refuse		1			
.s:Skipped	12039	10749	12593	9863	
0.no	980	786	764	727	
1.yes	94	72	79	90	
Value-----			S8BALREF	S9BALREF	S10BALREF
.c:completed test			4565	3949	5196
.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			504	320	442
1.yes			100	66	36
Value-----	S11BALREF	S12BALREF	S13BALREF	S14BALREF	
.c:completed test	4765	4470	4481	3782	
.m:Missing	1				
.r:Refuse		1			
.s:Skipped	7243	6151	6936	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	430	356	332	315	
1.yes	37	34	29	35	
Value-----			R8BALTRYU	R9BALTRYU	R10BALTRYU
.c:completed test			6611	6063	8034
.d:DK			1	2	
.m:Missing			6	5	26
.r:Refuse					2
.s:Skipped			10675	10286	13030
0.no			736	576	601
1.yes			440	285	341
Value-----	R11BALTRYU	R12BALTRYU	R13BALTRYU	R14BALTRYU	
.c:completed test	7438	7137	7476	6466	
.m:Missing	3	2			
.r:Refuse		1			
.s:Skipped	12039	10749	12593	9863	
0.no	742	844	809	787	
1.yes	332	14	34	30	
Value-----			S8BALTRYU	S9BALTRYU	S10BALTRYU
.c:completed test			4565	3949	5196
.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			363	262	302
1.yes			241	124	176
Value-----	S11BALTRYU	S12BALTRYU	S13BALTRYU	S14BALTRYU	
.c:completed test	4765	4470	4481	3782	
.m:Missing	1				
.r:Refuse		1			
.s:Skipped	7243	6151	6936	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	311	380	344	335	
1.yes	156	10	17	15	
Value-----			R8BALEQUP	R9BALEQUP	R10BALEQUP
.c:completed test			6611	6063	8034

.d:DK			1	2	
.m:Missing			6	5	26
.r:Refuse					2
.s:Skipped			10675	10286	13030
0.no			1173	847	932
1.yes			3	14	10

Value-----		R11BALEQUP			
.c:completed test		7438			
.m:Missing		3			
.s:Skipped		12039			
0.no		1062			
1.yes		12			

Value-----		S8BALEQUP	S9BALEQUP	S10BALEQUP	
.c:completed test		4565	3949	5196	
.m:Missing		2	2	11	
.s:Skipped		6557	6303	7823	
.u:not coupled		6424	6212	7804	
.v:SP NR		317	365	722	
0.no		603	379	473	
1.yes		1	7	5	

Value-----		S11BALEQUP			
.c:completed test		4765			
.m:Missing		1			
.s:Skipped		7243			
.u:not coupled		7483			
.v:SP NR		595			
0.no		463			
1.yes		4			

Value-----		R8BALOTHR	R9BALOTHR	R10BALOTHR	
.c:completed test		6611	6063	8034	
.d:DK		1	2		
.m:Missing		6	5	26	
.r:Refuse				2	
.s:Skipped		10675	10286	13030	
0.no		1119	834	871	
1.yes		57	27	71	

Value-----		R11BALOTHR	R12BALOTHR	R13BALOTHR	R14BALOTHR	
.c:completed test		7438	7152	7476	6466	
.m:Missing		3	11			
.r:Refuse			1			
.s:Skipped		12039	10749	12593	9863	
0.no		1040	821	794	780	
1.yes		34	13	49	37	

Value-----		S8BALOTHR	S9BALOTHR	S10BALOTHR	
.c:completed test		4565	3949	5196	
.m:Missing		2	2	11	
.s:Skipped		6557	6303	7823	
.u:not coupled		6424	6212	7804	
.v:SP NR		317	365	722	
0.no		573	371	435	
1.yes		31	15	43	

Value-----		S11BALOTHR	S12BALOTHR	S13BALOTHR	S14BALOTHR	
.c:completed test		4765	4476	4481	3782	
.m:Missing		1	6			
.r:Refuse			1			
.s:Skipped		7243	6151	6936	5226	
.u:not coupled		7483	7125	8025	6684	
.v:SP NR		595	610	1109	1104	
0.no		453	371	340	337	
1.yes		14	7	21	13	

### How Constructed:

RwBALSFT, RwBALREF, RwBALTRYU, RwbALEQUP, and RwbALOTHR indicate the reasons for the respondent not taking part in any of the balance tests (semi-tandem stand, side-by-side stand, and full-tandem stand) as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete each of the balance tests they were asked to complete. RwbALSFT indicates whether the respondent

did not participate in at least one of the balance tests because they felt it would not be safe, the interviewer felt it would be unsafe, or due to surgery, injury, or another health condition. RwbALREF indicates whether the respondent did not participate in at least one of the balance tests because they refused, with no reason given. RwbALTRYU indicates whether the respondent did not participate in at least one of the balance tests because they tried but were unable to complete the tests. RwbALEQUP indicates whether the respondent did not participate in at least one of the balance tests because of either problems with equipment/supplies or not having a suitable space to perform the tests. RwbALOTHR indicates whether the respondent did not participate in at least one of the balance tests because either they did not understand the instructions or because of another reason. RwbALSFT, RwbALREF, RwbALTRYU, RwbALEQUP, and RwbALOTHR are coded as 0 if the specific reason was not given for the respondent not completing any of the balance tests, and are coded as 1 if the specific reason was given. Don't know, refuse, and other missing responses to RwbALSFT, RwbALREF, RwbALTRYU, RwbALEQUP, and RwbALOTHR are set to special missing .d, .r, and .m, respectively. Special missing .c is assigned if the respondent completed at least one of the balance tests. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwBALSFT, SwBALREF, SwBALTRYU, SwBALEQUP, and SwBALOTHR indicate the reasons for the respondent's current wave's spouse not taking part in any of the balance tests, and their values are taken from the spouse's values to RwbALSFT, RwbALREF, RwbALTRYU, RwbALEQUP, and RwbALOTHR. In addition to the special missing codes employed by RwbALSFT, RwbALREF, RwbALTRYU, RwbALEQUP, and RwbALOTHR, SwBALSFT, SwBALREF, SwBALTRYU, SwBALEQUP, and SwBALOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The balance tests began in Wave 8.

The wording for one of the options used to create RwbALSFT changes slightly across waves. In Wave 8 and starting again in Wave 12, the wording is "R had surgery, injury or other health condition that prevented R from standing". In Waves 9 through 11, the wording is "R had surgery, injury, or other health condition that prevented R from completing the test".

The wording of and options used to create RwbALEQUP change across waves. In Wave 8, the only option applicable to this variable is "unsuitable location". In Waves 9 through 11, the wording for this option is changed to "no suitable space". Waves 9 through 11 add the option of "problem with equipment or supplies". From Wave 12 onwards, there is no option for the suitability of the location and problems with equipment. Because problems with equipment/supplies or not having a suitable space to perform the test are not listed as reasons why the respondent did not participate in the balance tests, RwbALEQUP and SwBALEQUP are not available starting in Wave 12.

Starting in Wave 12, there are additional screening questions asking about any problems that might prevent the respondent from standing up from a chair and balancing and their willingness to proceed with these tests which determine whether the respondent participates in the balancing tests.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

## HRS Variables Used:

Wave 8:

KI876	balance test - semi-tandem stand
KI877M1	balance semi-tandem reason not comp-1
KI877M2	balance semi-tandem reason not comp--2
KI877M3	balance semi-tandem reason not comp--3
KI877M4	balance semi-tandem reason not comp--4
KI877M5	balance semi-tandem reason not comp-5
KI883	balance test s-b-s complete
KI884M1	balance test sbs stand reason not comp-1
KI884M2	balance test sbs stand reason not comp-2

KI884M3 balance test sbs stand reason not comp-3  
 KI884M4 balance test sbs stand reason not comp-4  
 KI884M5 balance test sbs stand reason not comp-5  
 KI884M6 balance test sbs stand reason not comp-6  
 KI893 balance test full tandem complete  
 KI894M1 balance full tandem stand-not complete-1  
 KI894M2 balance full tandem stand-not complete-2  
 KI894M3 balance full tandem stand-not complete-3  
 KI894M4 balance full tandem stand-not complete-4  
 KI894M5 balance full tandem stand-not complete-5

## Wave 9:

LI876 balance test - semi-tandem stand  
 LI877M1 balance semi-tandem reason not comp-1  
 LI877M2 balance semi-tandem reason not comp--2  
 LI877M3 balance semi-tandem reason not comp--3  
 LI877M4 balance semi-tandem reason not comp--4  
 LI877M5 balance semi-tandem reason not comp-5  
 LI883 balance test s-b-s complete  
 LI884M1 balance test sbs stand reason not comp-1  
 LI884M2 balance test sbs stand reason not comp-2  
 LI884M3 balance test sbs stand reason not comp-3  
 LI884M4 balance test sbs stand reason not comp-4  
 LI884M5 balance test sbs stand reason not comp-5  
 LI893 balance test full tandem complete  
 LI894M1 balance full tandem stand-not complete-1  
 LI894M2 balance full tandem stand-not complete-2  
 LI894M3 balance full tandem stand-not complete-3  
 LI894M4 balance full tandem stand-not complete-4  
 LI894M5 balance full tandem stand-not complete-5  
 LI894M6 balance test full tandem stand reason not complete -6

## Wave 10:

MI876 balance test - semi-tandem stand  
 MI877M1 balance semi-tandem reason not comp-1  
 MI877M2 balance semi-tandem reason not comp--2  
 MI877M3 balance semi-tandem reason not comp--3  
 MI877M4 balance semi-tandem reason not comp--4  
 MI883 balance test s-b-s complete  
 MI884M1 balance test sbs stand reason not comp-1  
 MI884M2 balance test sbs stand reason not comp-2  
 MI884M3 balance test sbs stand reason not comp-3  
 MI884M4 balance test sbs stand reason not comp-4  
 MI893 balance test full tandem complete  
 MI894M1 balance full tandem stand-not complete-1  
 MI894M2 balance full tandem stand-not complete-2  
 MI894M3 balance full tandem stand-not complete-3  
 MI894M4 balance full tandem stand-not complete-4

## Wave 11:

NI876 balance test - semi-tandem stand  
 NI877M1 balance semi-tandem reason not comp-1  
 NI877M2 balance semi-tandem reason not comp-2  
 NI877M3 balance semi-tandem reason not comp-3  
 NI877M4 balance semi-tandem reason not comp-4  
 NI883 balance test s-b-s complete  
 NI884M1 balance test sbs stand reason not comp-1  
 NI884M2 balance test sbs stand reason not comp-2  
 NI884M3 balance test sbs stand reason not comp-3  
 NI884M4 balance test sbs stand reason not comp-4  
 NI893 balance test full tandem complete  
 NI894M1 balance full tandem stand-not complete-1  
 NI894M2 balance full tandem stand-not complete-2  
 NI894M3 balance full tandem stand-not complete-3  
 NI894M4 balance full tandem stand-not complete-4

## Wave 12:

OI876 balance test - semi-tandem stand  
OI877M1 balance semi-tandem reason not comp-1  
OI877M2 balance semi-tandem reason not comp-2  
OI877M3 balance semi-tandem reason not comp-3  
OI877M4 balance semi-tandem reason not comp-4  
OI883 balance test s-b-s complete  
OI884M1 balance test sbs stand reason not comp-1  
OI884M2 balance test sbs stand reason not comp-2  
OI884M3 balance test sbs stand reason not comp-3  
OI884M4 balance test sbs stand reason not comp-4  
OI893 balance test full tandem complete  
OI894M1 balance full tandem stand-not complete-1  
OI894M2 balance full tandem stand-not complete-2  
OI894M3 balance full tandem stand-not complete-3  
OI894M4 balance full tandem stand-not complete-4

## Wave 13:

PI876 balance test - semi-tandem stand  
PI877M1 balance semi-tandem reason not comp-1  
PI877M2 balance semi-tandem reason not comp-2  
PI877M3 balance semi-tandem reason not comp-3  
PI877M4 balance semi-tandem reason not comp-4  
PI883 balance test s-b-s complete  
PI884M1 balance test sbs stand reason not comp-1  
PI884M2 balance test sbs stand reason not comp-2  
PI884M3 balance test sbs stand reason not comp-3  
PI884M4 balance test sbs stand reason not comp-4  
PI893 balance test full tandem complete  
PI894M1 balance full tandem stand-not complete-1  
PI894M2 balance full tandem stand-not complete-2  
PI894M3 balance full tandem stand-not complete-3  
PI894M4 balance full tandem stand-not complete-4

## Wave 14:

QI876 balance test - semi-tandem stand  
QI877M1 balance semi-tandem reason not comp-1  
QI877M2 balance semi-tandem reason not comp-2  
QI877M3 balance semi-tandem reason not comp-3  
QI877M4 balance semi-tandem reason not comp-4  
QI883 balance test s-b-s complete  
QI884M1 balance test sbs stand reason not comp-1  
QI884M2 balance test sbs stand reason not comp-2  
QI884M3 balance test sbs stand reason not comp-3  
QI884M4 balance test sbs stand reason not comp-4  
QI893 balance test full tandem complete  
QI894M1 balance full tandem stand-not complete-1  
QI894M2 balance full tandem stand-not complete-2  
QI894M3 balance full tandem stand-not complete-3  
QI894M4 balance full tandem stand-not complete-4



<b>Timed Walk Measurements</b>
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Wave	Variable	Label	Type
07	R7WSPEED1	r7wspeed1:w7 r time for walking speed test 1(sec)	Cont
08	R8WSPEED1	r8wspeed1:w8 r time for walking speed test 1(sec)	Cont
09	R9WSPEED1	r9wspeed1:w9 r time for walking speed test 1(sec)	Cont
10	R10WSPEED1	r10wspeed1:w10 r time for walking speed test 1(sec)	Cont
11	R11WSPEED1	r11wspeed1:w11 r time for walking speed test 1(sec)	Cont
12	R12WSPEED1	r12wspeed1:w12 r time for walking speed test 1(sec)	Cont
13	R13WSPEED1	r13wspeed1:w13 r time for walking speed test 1(sec)	Cont
14	R14WSPEED1	r14wspeed1:w14 r time for walking speed test 1(sec)	Cont
07	S7WSPEED1	s7wspeed1:w7 s time for walking speed test 1(sec)	Cont
08	S8WSPEED1	s8wspeed1:w8 s time for walking speed test 1(sec)	Cont
09	S9WSPEED1	s9wspeed1:w9 s time for walking speed test 1(sec)	Cont
10	S10WSPEED1	s10wspeed1:w10 s time for walking speed test 1(sec)	Cont
11	S11WSPEED1	s11wspeed1:w11 s time for walking speed test 1(sec)	Cont
12	S12WSPEED1	s12wspeed1:w12 s time for walking speed test 1(sec)	Cont
13	S13WSPEED1	s13wspeed1:w13 s time for walking speed test 1(sec)	Cont
14	S14WSPEED1	s14wspeed1:w14 s time for walking speed test 1(sec)	Cont
07	R7WSPEED2	r7wspeed2:w7 r time for walking speed test 2(sec)	Cont
08	R8WSPEED2	r8wspeed2:w8 r time for walking speed test 2(sec)	Cont
09	R9WSPEED2	r9wspeed2:w9 r time for walking speed test 2(sec)	Cont
10	R10WSPEED2	r10wspeed2:w10 r time for walking speed test 2(sec)	Cont
11	R11WSPEED2	r11wspeed2:w11 r time for walking speed test 2(sec)	Cont
12	R12WSPEED2	r12wspeed2:w12 r time for walking speed test 2(sec)	Cont
13	R13WSPEED2	r13wspeed2:w13 r time for walking speed test 2(sec)	Cont
14	R14WSPEED2	r14wspeed2:w14 r time for walking speed test 2(sec)	Cont
07	S7WSPEED2	s7wspeed2:w7 s time for walking speed test 2(sec)	Cont
08	S8WSPEED2	s8wspeed2:w8 s time for walking speed test 2(sec)	Cont
09	S9WSPEED2	s9wspeed2:w9 s time for walking speed test 2(sec)	Cont
10	S10WSPEED2	s10wspeed2:w10 s time for walking speed test 2(sec)	Cont
11	S11WSPEED2	s11wspeed2:w11 s time for walking speed test 2(sec)	Cont
12	S12WSPEED2	s12wspeed2:w12 s time for walking speed test 2(sec)	Cont
13	S13WSPEED2	s13wspeed2:w13 s time for walking speed test 2(sec)	Cont
14	S14WSPEED2	s14wspeed2:w14 s time for walking speed test 2(sec)	Cont
07	R7WSPEED	r7wspeed:w7 r average time for walking speed test(sec)	Cont
08	R8WSPEED	r8wspeed:w8 r average time for walking speed test(sec)	Cont
09	R9WSPEED	r9wspeed:w9 r average time for walking speed test(sec)	Cont
10	R10WSPEED	r10wspeed:w10 r average time for walking speed test(sec)	Cont
11	R11WSPEED	r11wspeed:w11 r average time for walking speed test(sec)	Cont
12	R12WSPEED	r12wspeed:w12 r average time for walking speed test(sec)	Cont
13	R13WSPEED	r13wspeed:w13 r average time for walking speed test(sec)	Cont
14	R14WSPEED	r14wspeed:w14 r average time for walking speed test(sec)	Cont
07	S7WSPEED	s7wspeed:w7 s average time for walking speed test(sec)	Cont
08	S8WSPEED	s8wspeed:w8 s average time for walking speed test(sec)	Cont
09	S9WSPEED	s9wspeed:w9 s average time for walking speed test(sec)	Cont
10	S10WSPEED	s10wspeed:w10 s average time for walking speed test(sec)	Cont
11	S11WSPEED	s11wspeed:w11 s average time for walking speed test(sec)	Cont
12	S12WSPEED	s12wspeed:w12 s average time for walking speed test(sec)	Cont
13	S13WSPEED	s13wspeed:w13 s average time for walking speed test(sec)	Cont
14	S14WSPEED	s14wspeed:w14 s average time for walking speed test(sec)	Cont
07	R7WALKCOMP	r7walkcomp:w7 r willing and able to complete walking speed t	Categ
08	R8WALKCOMP	r8walkcomp:w8 r willing and able to complete walking speed t	Categ
09	R9WALKCOMP	r9walkcomp:w9 r willing and able to complete walking speed t	Categ

10	R10WALKCOMP	r10walkcomp:w10	r willing and able to complete walking speed	Categ
11	R11WALKCOMP	r11walkcomp:w11	r willing and able to complete walking speed	Categ
12	R12WALKCOMP	r12walkcomp:w12	r willing and able to complete walking speed	Categ
13	R13WALKCOMP	r13walkcomp:w13	r willing and able to complete walking speed	Categ
14	R14WALKCOMP	r14walkcomp:w14	r willing and able to complete walking speed	Categ
07	S7WALKCOMP	s7walkcomp:w7	s willing and able to complete walking speed t	Categ
08	S8WALKCOMP	s8walkcomp:w8	s willing and able to complete walking speed t	Categ
09	S9WALKCOMP	s9walkcomp:w9	s willing and able to complete walking speed t	Categ
10	S10WALKCOMP	s10walkcomp:w10	s willing and able to complete walking speed	Categ
11	S11WALKCOMP	s11walkcomp:w11	s willing and able to complete walking speed	Categ
12	S12WALKCOMP	s12walkcomp:w12	s willing and able to complete walking speed	Categ
13	S13WALKCOMP	s13walkcomp:w13	s willing and able to complete walking speed	Categ
14	S14WALKCOMP	s14walkcomp:w14	s willing and able to complete walking speed	Categ
07	R7WALKFLR	r7walkflr:w7	floor surface of r's walking speed test	Categ
08	R8WALKFLR	r8walkflr:w8	floor surface of r's walking speed test	Categ
09	R9WALKFLR	r9walkflr:w9	floor surface of r's walking speed test	Categ
10	R10WALKFLR	r10walkflr:w10	floor surface of r's walking speed test	Categ
11	R11WALKFLR	r11walkflr:w11	floor surface of r's walking speed test	Categ
07	S7WALKFLR	s7walkflr:w7	floor surface of s's walking speed test	Categ
08	S8WALKFLR	s8walkflr:w8	floor surface of s's walking speed test	Categ
09	S9WALKFLR	s9walkflr:w9	floor surface of s's walking speed test	Categ
10	S10WALKFLR	s10walkflr:w10	floor surface of s's walking speed test	Categ
11	S11WALKFLR	s11walkflr:w11	floor surface of s's walking speed test	Categ
07	R7WALKAID	r7walkaid:w7	type aid used during r's walking speed test	Categ
08	R8WALKAID	r8walkaid:w8	type aid used during r's walking speed test	Categ
09	R9WALKAID	r9walkaid:w9	type aid used during r's walking speed test	Categ
10	R10WALKAID	r10walkaid:w10	type aid used during r's walking speed test	Categ
11	R11WALKAID	r11walkaid:w11	type aid used during r's walking speed test	Categ
12	R12WALKAID	r12walkaid:w12	type aid used during r's walking speed test	Categ
13	R13WALKAID	r13walkaid:w13	type aid used during r's walking speed test	Categ
14	R14WALKAID	r14walkaid:w14	type aid used during r's walking speed test	Categ
07	S7WALKAID	s7walkaid:w7	type aid used during s's walking speed test	Categ
08	S8WALKAID	s8walkaid:w8	type aid used during s's walking speed test	Categ
09	S9WALKAID	s9walkaid:w9	type aid used during s's walking speed test	Categ
10	S10WALKAID	s10walkaid:w10	type aid used during s's walking speed test	Categ
11	S11WALKAID	s11walkaid:w11	type aid used during s's walking speed test	Categ
12	S12WALKAID	s12walkaid:w12	type aid used during s's walking speed test	Categ
13	S13WALKAID	s13walkaid:w13	type aid used during s's walking speed test	Categ
14	S14WALKAID	s14walkaid:w14	type aid used during s's walking speed test	Categ
08	R8WALKCOMPL	r8walkcompl:w8	r compliance during walking speed test	Categ
09	R9WALKCOMPL	r9walkcompl:w9	r compliance during walking speed test	Categ
10	R10WALKCOMPL	r10walkcompl:w10	r compliance during walking speed test	Categ
11	R11WALKCOMPL	r11walkcompl:w11	r compliance during walking speed test	Categ
08	S8WALKCOMPL	s8walkcompl:w8	s compliance during walking speed test	Categ
09	S9WALKCOMPL	s9walkcompl:w9	s compliance during walking speed test	Categ
10	S10WALKCOMPL	s10walkcompl:w10	s compliance during walking speed test	Categ
11	S11WALKCOMPL	s11walkcompl:w11	s compliance during walking speed test	Categ
12	R12WALKDIR	r12walkdir:w12	r followed directions during walking speed te	Categ
13	R13WALKDIR	r13walkdir:w13	r followed directions during walking speed te	Categ
14	R14WALKDIR	r14walkdir:w14	r followed directions during walking speed te	Categ
12	S12WALKDIR	s12walkdir:w12	s followed directions during walking speed te	Categ
13	S13WALKDIR	s13walkdir:w13	s followed directions during walking speed te	Categ
14	S14WALKDIR	s14walkdir:w14	s followed directions during walking speed te	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R7WSPEED1	1867	3.88	2.77	0.02	40.00
R8WSPEED1	4072	3.95	2.17	1.23	28.96
R9WSPEED1	3978	4.10	2.52	0.02	37.97
R10WSPEED1	3842	3.90	2.07	0.02	36.22
R11WSPEED1	3708	3.91	2.66	0.29	81.00
R12WSPEED1	3923	3.99	2.20	0.00	39.49
R13WSPEED1	3448	4.13	2.73	0.00	90.00
R14WSPEED1	3402	4.07	2.36	0.00	46.20
S7WSPEED1	1119	3.58	2.39	0.03	38.00
S8WSPEED1	2532	3.69	1.95	1.25	25.25
S9WSPEED1	2356	3.78	2.16	0.02	34.34
S10WSPEED1	2367	3.62	1.69	0.03	27.20
S11WSPEED1	2177	3.56	1.80	0.29	43.51
S12WSPEED1	2294	3.72	1.95	0.73	36.02
S13WSPEED1	1947	3.79	1.68	0.00	20.43
S14WSPEED1	1882	3.71	1.96	0.00	46.20
R7WSPEED2	1867	3.69	2.78	0.02	45.00
R8WSPEED2	4071	3.72	2.03	1.01	30.46
R9WSPEED2	3979	3.85	2.33	0.03	35.54
R10WSPEED2	3841	3.65	1.95	0.02	34.21
R11WSPEED2	3706	3.66	2.55	0.86	96.00
R12WSPEED2	3924	3.73	2.14	0.00	44.30
R13WSPEED2	3447	3.83	2.24	0.00	53.10
R14WSPEED2	3402	3.80	2.23	0.00	41.62
S7WSPEED2	1119	3.43	2.51	0.02	45.00
S8WSPEED2	2532	3.49	1.88	1.01	30.46
S9WSPEED2	2357	3.57	2.03	0.03	30.22
S10WSPEED2	2366	3.40	1.59	0.03	27.20
S11WSPEED2	2176	3.34	1.63	0.86	29.61
S12WSPEED2	2294	3.48	1.88	0.90	37.62
S13WSPEED2	1947	3.53	1.55	0.00	20.20
S14WSPEED2	1882	3.47	1.79	0.00	41.62
R7WSPEED	1867	3.79	2.74	0.02	39.50
R8WSPEED	4071	3.84	2.07	1.25	29.69
R9WSPEED	3978	3.98	2.39	0.03	36.76
R10WSPEED	3841	3.78	1.97	0.02	35.22
R11WSPEED	3706	3.78	2.55	1.09	88.50
R12WSPEED	3923	3.86	2.09	0.00	36.82
R13WSPEED	3447	3.97	2.21	0.00	47.65
R14WSPEED	3402	3.93	2.25	0.00	43.91
S7WSPEED	1119	3.50	2.42	0.03	39.50
S8WSPEED	2532	3.59	1.89	1.25	27.85
S9WSPEED	2356	3.67	2.06	0.03	32.28
S10WSPEED	2366	3.51	1.62	0.03	27.20
S11WSPEED	2176	3.45	1.65	1.18	36.56
S12WSPEED	2294	3.60	1.85	1.01	36.82
S13WSPEED	1947	3.66	1.56	0.00	19.48
S14WSPEED	1882	3.59	1.84	0.00	43.91
R7WALKCOMP	2227	0.84	0.37	0.00	1.00
R8WALKCOMP	4654	0.88	0.33	0.00	1.00
R9WALKCOMP	4549	0.88	0.33	0.00	1.00
R10WALKCOMP	4259	0.90	0.30	0.00	1.00
R11WALKCOMP	4209	0.88	0.32	0.00	1.00

R12WALKCOMP	4349	0.90	0.30	0.00	1.00
R13WALKCOMP	3781	0.91	0.28	0.00	1.00
R14WALKCOMP	3773	0.90	0.30	0.00	1.00
S7WALKCOMP	1275	0.88	0.33	0.00	1.00
S8WALKCOMP	2817	0.90	0.30	0.00	1.00
S9WALKCOMP	2625	0.90	0.30	0.00	1.00
S10WALKCOMP	2562	0.92	0.27	0.00	1.00
S11WALKCOMP	2399	0.91	0.29	0.00	1.00
S12WALKCOMP	2481	0.93	0.26	0.00	1.00
S13WALKCOMP	2069	0.94	0.23	0.00	1.00
S14WALKCOMP	2035	0.92	0.26	0.00	1.00
R7WALKFLR	1871	1.68	0.80	1.00	5.00
R8WALKFLR	4074	1.55	0.74	1.00	5.00
R9WALKFLR	3978	1.51	0.71	1.00	5.00
R10WALKFLR	3842	1.41	0.69	1.00	5.00
R11WALKFLR	3705	1.44	0.72	1.00	5.00
S7WALKFLR	1120	1.65	0.80	1.00	5.00
S8WALKFLR	2534	1.49	0.70	1.00	5.00
S9WALKFLR	2357	1.46	0.71	1.00	5.00
S10WALKFLR	2367	1.36	0.66	1.00	5.00
S11WALKFLR	2175	1.37	0.69	1.00	5.00
R7WALKAID	1871	1.08	0.42	1.00	5.00
R8WALKAID	4075	1.06	0.38	1.00	5.00
R9WALKAID	3979	1.10	0.49	1.00	5.00
R10WALKAID	3842	1.07	0.41	1.00	5.00
R11WALKAID	3708	1.11	0.52	1.00	5.00
R12WALKAID	3924	1.11	0.51	1.00	5.00
R13WALKAID	3450	1.11	0.50	1.00	5.00
R14WALKAID	3402	1.11	0.52	1.00	5.00
S7WALKAID	1120	1.04	0.31	1.00	5.00
S8WALKAID	2535	1.03	0.25	1.00	5.00
S9WALKAID	2357	1.06	0.39	1.00	5.00
S10WALKAID	2367	1.05	0.32	1.00	5.00
S11WALKAID	2177	1.07	0.39	1.00	5.00
S12WALKAID	2294	1.07	0.39	1.00	4.00
S13WALKAID	1948	1.06	0.38	1.00	4.00
S14WALKAID	1882	1.07	0.39	1.00	5.00
R8WALKCOMPL	4075	1.00	0.06	1.00	3.00
R9WALKCOMPL	3979	1.00	0.05	1.00	3.00
R10WALKCOMPL	3842	1.00	0.06	1.00	3.00
R11WALKCOMPL	3708	1.00	0.04	1.00	2.00
S8WALKCOMPL	2535	1.00	0.07	1.00	3.00
S9WALKCOMPL	2357	1.00	0.04	1.00	2.00
S10WALKCOMPL	2367	1.00	0.04	1.00	2.00
S11WALKCOMPL	2177	1.00	0.04	1.00	2.00
R12WALKDIR	3925	1.03	0.23	1.00	4.00
R13WALKDIR	3450	1.03	0.27	1.00	4.00
R14WALKDIR	3401	1.03	0.23	1.00	4.00
S12WALKDIR	2295	1.01	0.16	1.00	4.00
S13WALKDIR	1948	1.03	0.23	1.00	4.00
S14WALKDIR	1882	1.02	0.19	1.00	4.00

**Categorical Variable Codes**

Value-----		R7WALKCOMP	R8WALKCOMP	R9WALKCOMP	R10WALKCOMP
.m:Missing			6	4	8
.s:Skipped		17902	13809	12664	17767
0.no		354	578	568	417
1.yes		1873	4076	3981	3842
Value-----	R11WALKCOMP	R12WALKCOMP	R13WALKCOMP	R14WALKCOMP	
.m:Missing	3			2	
.s:Skipped	16342	14398	17131	13371	
0.no	501	423	331	371	
1.yes	3708	3926	3450	3402	
Value-----		S7WALKCOMP	S8WALKCOMP	S9WALKCOMP	S10WALKCOMP
.m:Missing			2	2	2
.s:Skipped		11693	8909	8013	10944
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		153	281	268	195
1.yes		1122	2536	2357	2367
Value-----	S11WALKCOMP	S12WALKCOMP	S13WALKCOMP	S14WALKCOMP	
.m:Missing	1			1	
.s:Skipped	10076	8531	9709	7322	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	222	186	121	153	
1.yes	2177	2295	1948	1882	
Value-----		R7WALKFLR	R8WALKFLR	R9WALKFLR	R10WALKFLR
.d:DK			1	1	
.m:Missing		1	7	6	8
.n:Not willing/able		354	578	568	417
.s:Skipped		17903	13809	12664	17767
1.Linoleum/Tile/Wood		888	2281	2296	2568
2.Low-Pile Carpet		786	1508	1462	1086
3.High-Pile Carpet		120	144	96	76
4.Concrete		64	127	109	96
5.Other		13	14	15	16
Value-----	R11WALKFLR				
.d:DK	3				
.m:Missing	3				
.n:Not willing/able	501				
.s:Skipped	16342				
1.Linoleum/Tile/Wood	2428				
2.Low-Pile Carpet	1080				
3.High-Pile Carpet	68				
4.Concrete	110				
5.Other	19				
Value-----		S7WALKFLR	S8WALKFLR	S9WALKFLR	S10WALKFLR
.d:DK			1		
.m:Missing		1	3	2	2
.n:Not willing/able		153	281	268	195
.s:Skipped		11694	8909	8013	10944
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.Linoleum/Tile/Wood		567	1525	1466	1685
2.Low-Pile Carpet		437	856	769	584
3.High-Pile Carpet		69	82	44	39
4.Concrete		40	68	73	51
5.Other		7	3	5	8
Value-----	S11WALKFLR				
.d:DK	2				
.m:Missing	1				
.n:Not willing/able	222				
.s:Skipped	10076				
.u:not coupled	7483				
.v:SP NR	595				
1.Linoleum/Tile/Wood	1549				
2.Low-Pile Carpet	522				
3.High-Pile Carpet	35				
4.Concrete	61				
5.Other	8				

Value-----	R7WALKAID	R8WALKAID	R9WALKAID	R10WALKAID
.m:Missing	1	7	6	8
.n:Not willing/able	354	578	568	417
.s:Skipped	17903	13809	12664	17767
1.None	1786	3923	3782	3696
2.Walking stick or cane	58	101	101	86
4:Walking frame	22	45	90	54
5.Other	5	6	6	6

Value-----	R11WALKAID	R12WALKAID	R13WALKAID	R14WALKAID
.d:DK		1		
.m:Missing	3	1		2
.n:Not willing/able	501	423	331	371
.s:Skipped	16342	14398	17131	13371
1.None	3500	3704	3257	3209
2.Walking stick or cane	108	118	109	104
3.Elbow crutches	1			2
4:Walking frame	93	98	80	79
5.Other	6	4	4	8

Value-----	S7WALKAID	S8WALKAID	S9WALKAID	S10WALKAID
.m:Missing	1	3	2	2
.n:Not willing/able	153	281	268	195
.s:Skipped	11694	8909	8013	10944
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
1.None	1090	2478	2276	2302
2.Walking stick or cane	23	45	47	44
4:Walking frame	4	10	31	18
5.Other	3	2	3	3

Value-----	S11WALKAID	S12WALKAID	S13WALKAID	S14WALKAID
.d:DK		1		
.m:Missing	1			1
.n:Not willing/able	222	186	121	153
.s:Skipped	10076	8531	9709	7322
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
1.None	2097	2207	1885	1812
2.Walking stick or cane	47	52	34	44
3.Elbow crutches	1			2
4:Walking frame	31	35	29	20
5.Other	1			4

Value-----	R8WALKCOMPL	R9WALKCOMPL	R10WALKCOMPL
.m:Missing	7	6	8
.n:Not willing/able	578	568	417
.s:Skipped	13809	12664	17767
1.compliant	4066	3972	3832
2.justified non-compliant	7	6	8
3.unjustified non-compliant	2	1	2

Value-----	R11WALKCOMPL
.m:Missing	3
.n:Not willing/able	501
.s:Skipped	16342
1.compliant	3702
2.justified non-compliant	6

Value-----	S8WALKCOMPL	S9WALKCOMPL	S10WALKCOMPL
.m:Missing	3	2	2
.n:Not willing/able	281	268	195
.s:Skipped	8909	8013	10944
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.compliant	2530	2354	2363
2.justified non-compliant	3	3	4
3.unjustified non-compliant	2		

Value-----	S11WALKCOMPL
.m:Missing	1
.n:Not willing/able	222
.s:Skipped	10076
.u:not coupled	7483
.v:SP NR	595

1.compliant	2174			
2.justified non-compliant	3			
Value-----		R12WALKDIR	R13WALKDIR	R14WALKDIR
.m:Missing		1		2
.n:Not willing/able		423	331	371
.r:Refuse				1
.s:Skipped		14398	17131	13371
1.followed directions		3869	3381	3340
2.walked not at a normal pa		23	35	35
3.not walked beyond end of		22	18	16
4.other		11	16	10
Value-----		S12WALKDIR	S13WALKDIR	S14WALKDIR
.m:Missing				1
.n:Not willing/able		186	121	153
.s:Skipped		8531	9709	7322
.u:not coupled		7125	8025	6684
.v:SP NR		610	1109	1104
1.followed directions		2273	1917	1854
2.walked not at a normal pa		13	19	19
3.not walked beyond end of		7	4	6
4.other		2	8	3

### How Constructed:

RwWSPEED1 and RwWSPEED2 indicate the first and second walking speed of the respondent across a 98.5 inch course set up in a 12 foot, non-carpeted area. RwWSPEED indicates the average of the first and second walking speed of the respondent. Don't know, refused, or other missing responses for the walking tests are assigned special missing codes .d, .r, .m, respectively. Special missing .i is assigned if the total time is reported as more than 100 seconds. Special missing .i is also assigned if the value of the walking speed measurements was given as invalid in Wave 7. Special missing .x is assigned if the respondent tried to do the test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete the measurements due to various reasons, including the respondent did not understand the instructions and safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. In Wave 7, special missing .s is also assigned if the respondent was not selected for the walking speed tests. Starting in Wave 8, special missing .s is also assigned if the respondent was under age 64. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwWSPEED1, SwWSPEED2 and SwWSPEED indicate the first, second, and average walking speed of the current wave's spouse, and are taken from the spouse's values to RwWSPEED1, RwWSPEED2, and RwWSPEED. In addition to the special missing codes used for RwWSPEED1, RwWSPEED2, and SwWSPEED, SwWSPEED1, SwWSPEED2 and SwWSPEED employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWALKCOMP indicates whether the respondent was willing and able to complete the walking speed test. RwWALKCOMP is coded as 1 if the respondent did not report problems from recent surgery, injury, or other health conditions that might prevent them from walking, the respondent understood the instructions, the respondent felt safe doing the test, and the respondent at least attempted the walking test. RwWALKCOMP is coded as 0 if the respondent had health conditions that might prevent them from walking, the respondent did not understand the instructions, the respondent did not feel safe doing the test, or the respondent did not attempt the walking test. Don't know, refused, or other missing responses for the walking tests are assigned special missing codes .d, .r, .m, respectively. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. In Wave 7, special missing .s is also assigned if the respondent was not selected for the walking speed tests. Starting in Wave 8, special missing .s is also assigned if the respondent was under age 64. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwWALKCOMP indicates whether the respondent's current wave's spouse was willing and able to complete the walking speed test, and its values are taken from RwWALKCOMP. In addition to the special missing codes employed by RwWALKCOMP, SwWALKCOMP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value

.v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWALKFLR indicates the floor surface for the respondent's walking speed tests. RwWALKFLR is coded as follows: 1.linoleum/tile/wood, 2.low-pile carpet, 3.high-pile carpet, 4.concrete, 5.other. RwWALKFLR is not available from Wave 12 onwards. RwWALKAID indicates what type of aid the respondent used during the walking speed tests. RwWALKAID is coded as follows: 1.none, 2.walking stick or cane, 3.elbow crutches, 4.walking frame, 5.other. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the measurements due to various reasons, including the respondent did not understand the instructions and safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. In Wave 7, special missing .s is also assigned if the respondent was not selected for the walking speed tests. Starting in Wave 8, special missing .s is also assigned if the respondent was under age 64. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwWALKFLR and SwWALKAID indicate the floor surface and walking aid used during the respondent's current wave's spouse's walking speed tests, and their values are taken from RwWALKFLR and RwWALKAID. In addition to the special missing codes employed by RwWALKFLR and RwWALKAID, SwWALKFLR and SwWALKAID employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWALKCOMPL indicates the level of compliance displayed by the respondent during the walking speed tests. RwWALKCOMPL is coded as follows: 1.compliant if respondents are fully compliant, 2.justified non-compliant if their non-compliance is justified by illness, pain or other symptoms or discomfort and 3.unjustified non-compliant if their non-compliance is due to no obvious reason. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the walking speed tests due to a variety of reasons, including safety concerns, or the respondent did not understand the instructions. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. RwWALKCOMPL is set to plain missing (.) for respondents who did not respond to the current wave.

SwWALKCOMPL indicates the respondent's current wave's spouse's compliance level during the walking speed tests, and is taken from RwWALKCOMPL. In addition to the special missing codes employed by RwWALKCOMPL, SwWALKCOMPL employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWALKDIR indicates whether the respondent followed the directions given during the walking speed tests and to what degree. RwWALKDIR is coded as follows: 1.followed directions, if respondents are fully compliant and followed the directions correctly, 2.walked not at a normal pace, if the respondents did not walk at a normal pace, and 3.not walked beyond end of course, if the respondent stopped at the end of the course. A value of 4.other is assigned to other levels of compliance with the directions. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the walking speed tests due to a variety of reasons, including safety concerns, or the respondent did not understand the instructions. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. RwWALKDIR is set to plain missing (.) for respondents who did not respond to the current wave.

SwWALKDIR indicates whether the respondent's current wave's spouse's followed the directions given during the walking speed tests and to what degree, and is taken from RwWALKDIR. In addition to the special missing codes employed by RwWALKDIR, SwWALKDIR employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.



## Cross Wave Differences in HRS

Physical measures began in Wave 7, but they were only given to a random subsample of approximately 3300 respondents. Of this subsample, a smaller subsample was given the walking speed tests. Walking speed tests were given to a larger sample of respondents starting in Wave 8.

If the respondent was selected for some physical measures but not the walking speed tests in Wave 7, then special missing .s is assigned. Starting in Wave 8, if the walking speed tests were not performed because the respondent was under age 64, then special missing .s is assigned.

Special missing .i for HRS-reported "invalid" values in RwwSPEED1, RwwSPEED2, and RwwSPEED is only used in Wave 7.

Starting in Wave 12, there are additional screening questions asking about any problems that might prevent the respondent from walking and their understanding of the directions and feelings of safety in completing these tests which determine whether the respondent participates in the walking tests.

The interviewer is no longer asked about the type of floor used during the walking test starting in Wave 12.

In Waves 8 through 11, the interviewer is asked to rate the respondent's compliance during the walking speed tests. Starting in Wave 12, the interviewer is asked to rate how well the respondent's followed the directions given for the walking speed tests.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

## HRS Variables Used:

### Wave 7:

JA009	proxy/self interview
JA028	r in nursing home
JI800	physical measures ftf iw
JI801	certified physical measures
JI802	physical measures consent form
JI820	walking test complete at least one trial
JI823	walking test first trial time
JI824	walking test second trial time
JI825	walking test- type of floor surface
JI828	walking test- type of aid used
JI850	physical measure assignment
JZ227	selected phy measures module

### Wave 8:

KA019	r current age calculation
KA028	r in nursing home
KI800	physical measures ftf iw
KI802	physical measures consent form
KI820	walking test complete at least one trial
KI823	walking test 1st trial time
KI824	walking test 2nd trial time
KI825	walking test floor surface
KI828	walking aid type
KI830	walking test r effort

### Wave 9:

LA019	r current age calculation
LA028	r in nursing home
LI800	physical measures ftf iw
LI802	physical measures consent form
LI820	walking test complete at least one trial
LI823	walking test 1st trial time
LI824	walking test 2nd trial time
LI825	t walk floor surface
LI828	walking aid type

LI830 walking test r effort

Wave 10:

MA019 r current age calculation  
MA028 r in nursing home  
MI800 physical measures ftf iw  
MI802 physical measures consent  
MI820 walking test complete at least one trial  
MI823 walking test 1st trial time  
MI824 walking test 2nd trial time  
MI825 t walk floor surface  
MI828 walking aid type  
MI830 walking test r effort

Wave 11:

NA019 r current age calculation  
NA028 r in nursing home  
NI800 physical measures ftf iw  
NI802 physical measures consent  
NI820 walking test complete at least one trial  
NI823 walking test 1st trial time  
NI824 walking test 2nd trial time  
NI825 t walk floor surface  
NI828 walking aid type  
NI830 walking test r effort

Wave 12:

OA019 r current age calculation  
OA028 r in nursing home  
OI800 physical measures ftf iw  
OI802 physical measures consent  
OI820 walking test complete at least one trial  
OI823 walking test 1st trial time  
OI824 walking test 2nd trial time  
OI828 walking aid type  
OI977 walking speed screening question  
OI978 r understanding of walking speed procedure

Wave 13:

PA019 r current age calculation  
PA028 r in nursing home  
PI800 physical measures ftf iw  
PI802 physical measures consent  
PI820 walking test complete at least one trial  
PI823 walking test 1st trial time  
PI824 walking test 2nd trial time  
PI828 walking aid type  
PI977 walking speed screening question  
PI978 r understanding of walking speed procedure

Wave 14:

QA019 r current age calculation  
QA028 r in nursing home  
QI800 physical measures ftf iw  
QI802 physical measures consent  
QI820 walking test complete at least one trial  
QI823 walking test 1st trial time  
QI824 walking test 2nd trial time  
QI828 walking aid type  
QI977 walking speed screening question  
QI978 r understanding of walking speed procedure

<b>Timed Walk Measurements: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
07	R7WALKSFT	r7walksft:w7 r didn't complete walking: unsafe/health reason	Categ
08	R8WALKSFT	r8walksft:w8 r didn't complete walking: unsafe/health reason	Categ
09	R9WALKSFT	r9walksft:w9 r didn't complete walking: unsafe/health reason	Categ
10	R10WALKSFT	r10walksft:w10 r didn't complete walking: unsafe/health reas	Categ
11	R11WALKSFT	r11walksft:w11 r didn't complete walking: unsafe/health reas	Categ
12	R12WALKSFT	r12walksft:w12 r didn't complete walking: unsafe/health reas	Categ
13	R13WALKSFT	r13walksft:w13 r didn't complete walking: unsafe/health reas	Categ
14	R14WALKSFT	r14walksft:w14 r didn't complete walking: unsafe/health reas	Categ
07	S7WALKSFT	s7walksft:w7 s didn't complete walking: unsafe/health reason	Categ
08	S8WALKSFT	s8walksft:w8 s didn't complete walking: unsafe/health reason	Categ
09	S9WALKSFT	s9walksft:w9 s didn't complete walking: unsafe/health reason	Categ
10	S10WALKSFT	s10walksft:w10 s didn't complete walking: unsafe/health reas	Categ
11	S11WALKSFT	s11walksft:w11 s didn't complete walking: unsafe/health reas	Categ
12	S12WALKSFT	s12walksft:w12 s didn't complete walking: unsafe/health reas	Categ
13	S13WALKSFT	s13walksft:w13 s didn't complete walking: unsafe/health reas	Categ
14	S14WALKSFT	s14walksft:w14 s didn't complete walking: unsafe/health reas	Categ
07	R7WALKREF	r7walkref:w7 r didn't complete walking: refused	Categ
08	R8WALKREF	r8walkref:w8 r didn't complete walking: refused	Categ
09	R9WALKREF	r9walkref:w9 r didn't complete walking: refused	Categ
10	R10WALKREF	r10walkref:w10 r didn't complete walking: refused	Categ
11	R11WALKREF	r11walkref:w11 r didn't complete walking: refused	Categ
12	R12WALKREF	r12walkref:w12 r didn't complete walking: refused	Categ
13	R13WALKREF	r13walkref:w13 r didn't complete walking: refused	Categ
14	R14WALKREF	r14walkref:w14 r didn't complete walking: refused	Categ
07	S7WALKREF	s7walkref:w7 s didn't complete walking: refused	Categ
08	S8WALKREF	s8walkref:w8 s didn't complete walking: refused	Categ
09	S9WALKREF	s9walkref:w9 s didn't complete walking: refused	Categ
10	S10WALKREF	s10walkref:w10 s didn't complete walking: refused	Categ
11	S11WALKREF	s11walkref:w11 s didn't complete walking: refused	Categ
12	S12WALKREF	s12walkref:w12 s didn't complete walking: refused	Categ
13	S13WALKREF	s13walkref:w13 s didn't complete walking: refused	Categ
14	S14WALKREF	s14walkref:w14 s didn't complete walking: refused	Categ
07	R7WALKTRYU	r7walktryu:w7 r didn't complete walking: tried but unable	Categ
08	R8WALKTRYU	r8walktryu:w8 r didn't complete walking: tried but unable	Categ
09	R9WALKTRYU	r9walktryu:w9 r didn't complete walking: tried but unable	Categ
10	R10WALKTRYU	r10walktryu:w10 r didn't complete walking: tried but unable	Categ
11	R11WALKTRYU	r11walktryu:w11 r didn't complete walking: tried but unable	Categ
12	R12WALKTRYU	r12walktryu:w12 r didn't complete walking: tried but unable	Categ
13	R13WALKTRYU	r13walktryu:w13 r didn't complete walking: tried but unable	Categ
14	R14WALKTRYU	r14walktryu:w14 r didn't complete walking: tried but unable	Categ
07	S7WALKTRYU	s7walktryu:w7 s didn't complete walking: tried but unable	Categ
08	S8WALKTRYU	s8walktryu:w8 s didn't complete walking: tried but unable	Categ
09	S9WALKTRYU	s9walktryu:w9 s didn't complete walking: tried but unable	Categ
10	S10WALKTRYU	s10walktryu:w10 s didn't complete walking: tried but unable	Categ
11	S11WALKTRYU	s11walktryu:w11 s didn't complete walking: tried but unable	Categ
12	S12WALKTRYU	s12walktryu:w12 s didn't complete walking: tried but unable	Categ
13	S13WALKTRYU	s13walktryu:w13 s didn't complete walking: tried but unable	Categ
14	S14WALKTRYU	s14walktryu:w14 s didn't complete walking: tried but unable	Categ
07	R7WALKEQUP	r7walkequp:w7 r didn't complete walking: faulty equipment/sp	Categ
08	R8WALKEQUP	r8walkequp:w8 r didn't complete walking: faulty equipment/sp	Categ
09	R9WALKEQUP	r9walkequp:w9 r didn't complete walking: faulty equipment/sp	Categ

10	R10WALKEQUP	r10walkeq: w10	r	didn't complete walking: faulty equipment/	Categ
11	R11WALKEQUP	r11walkeq: w11	r	didn't complete walking: faulty equipment/	Categ
12	R12WALKEQUP	r12walkeq: w12	r	didn't complete walking: faulty equipment/	Categ
13	R13WALKEQUP	r13walkeq: w13	r	didn't complete walking: faulty equipment/	Categ
14	R14WALKEQUP	r14walkeq: w14	r	didn't complete walking: faulty equipment/	Categ
07	S7WALKEQUP	s7walkeq: w7	s	didn't complete walking: faulty equipment/sp	Categ
08	S8WALKEQUP	s8walkeq: w8	s	didn't complete walking: faulty equipment/sp	Categ
09	S9WALKEQUP	s9walkeq: w9	s	didn't complete walking: faulty equipment/sp	Categ
10	S10WALKEQUP	s10walkeq: w10	s	didn't complete walking: faulty equipment/	Categ
11	S11WALKEQUP	s11walkeq: w11	s	didn't complete walking: faulty equipment/	Categ
12	S12WALKEQUP	s12walkeq: w12	s	didn't complete walking: faulty equipment/	Categ
13	S13WALKEQUP	s13walkeq: w13	s	didn't complete walking: faulty equipment/	Categ
14	S14WALKEQUP	s14walkeq: w14	s	didn't complete walking: faulty equipment/	Categ
07	R7WALKOTHR	r7walkothr: w7	r	didn't complete walking: other reason	Categ
08	R8WALKOTHR	r8walkothr: w8	r	didn't complete walking: other reason	Categ
09	R9WALKOTHR	r9walkothr: w9	r	didn't complete walking: other reason	Categ
10	R10WALKOTHR	r10walkothr: w10	r	didn't complete walking: other reason	Categ
11	R11WALKOTHR	r11walkothr: w11	r	didn't complete walking: other reason	Categ
12	R12WALKOTHR	r12walkothr: w12	r	didn't complete walking: other reason	Categ
13	R13WALKOTHR	r13walkothr: w13	r	didn't complete walking: other reason	Categ
14	R14WALKOTHR	r14walkothr: w14	r	didn't complete walking: other reason	Categ
07	S7WALKOTHR	s7walkothr: w7	s	didn't complete walking: other reason	Categ
08	S8WALKOTHR	s8walkothr: w8	s	didn't complete walking: other reason	Categ
09	S9WALKOTHR	s9walkothr: w9	s	didn't complete walking: other reason	Categ
10	S10WALKOTHR	s10walkothr: w10	s	didn't complete walking: other reason	Categ
11	S11WALKOTHR	s11walkothr: w11	s	didn't complete walking: other reason	Categ
12	S12WALKOTHR	s12walkothr: w12	s	didn't complete walking: other reason	Categ
13	S13WALKOTHR	s13walkothr: w13	s	didn't complete walking: other reason	Categ
14	S14WALKOTHR	s14walkothr: w14	s	didn't complete walking: other reason	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7WALKSFT	353	0.67	0.47	0.00	1.00
R8WALKSFT	574	0.51	0.50	0.00	1.00
R9WALKSFT	568	0.49	0.50	0.00	1.00
R10WALKSFT	416	0.50	0.50	0.00	1.00
R11WALKSFT	501	0.56	0.50	0.00	1.00
R12WALKSFT	420	0.66	0.47	0.00	1.00
R13WALKSFT	331	0.77	0.42	0.00	1.00
R14WALKSFT	371	0.76	0.43	0.00	1.00
S7WALKSFT	153	0.67	0.47	0.00	1.00
S8WALKSFT	278	0.44	0.50	0.00	1.00
S9WALKSFT	268	0.41	0.49	0.00	1.00
S10WALKSFT	195	0.49	0.50	0.00	1.00
S11WALKSFT	222	0.48	0.50	0.00	1.00
S12WALKSFT	186	0.69	0.46	0.00	1.00
S13WALKSFT	121	0.79	0.41	0.00	1.00
S14WALKSFT	153	0.76	0.43	0.00	1.00
R7WALKREF	353	0.13	0.34	0.00	1.00
R8WALKREF	574	0.25	0.43	0.00	1.00
R9WALKREF	568	0.18	0.38	0.00	1.00
R10WALKREF	416	0.09	0.28	0.00	1.00
R11WALKREF	501	0.11	0.31	0.00	1.00
R12WALKREF	420	0.09	0.28	0.00	1.00
R13WALKREF	331	0.08	0.27	0.00	1.00
R14WALKREF	371	0.09	0.29	0.00	1.00

S7WALKREF	153	0.11	0.32	0.00	1.00
S8WALKREF	278	0.26	0.44	0.00	1.00
S9WALKREF	268	0.20	0.40	0.00	1.00
S10WALKREF	195	0.07	0.26	0.00	1.00
S11WALKREF	222	0.10	0.31	0.00	1.00
S12WALKREF	186	0.09	0.29	0.00	1.00
S13WALKREF	121	0.09	0.29	0.00	1.00
S14WALKREF	153	0.09	0.29	0.00	1.00
R7WALKTRYU	353	0.01	0.11	0.00	1.00
R8WALKTRYU	574	0.00	0.06	0.00	1.00
R9WALKTRYU	568	0.01	0.08	0.00	1.00
R10WALKTRYU	416	0.00	0.07	0.00	1.00
R11WALKTRYU	501	0.00	0.06	0.00	1.00
R12WALKTRYU	420	0.01	0.11	0.00	1.00
R13WALKTRYU	331	0.01	0.11	0.00	1.00
R14WALKTRYU	371	0.01	0.07	0.00	1.00
S7WALKTRYU	153	0.01	0.08	0.00	1.00
S8WALKTRYU	278	0.00	0.06	0.00	1.00
S9WALKTRYU	268	0.01	0.09	0.00	1.00
S10WALKTRYU	195	0.01	0.10	0.00	1.00
S11WALKTRYU	222	0.00	0.07	0.00	1.00
S12WALKTRYU	186	0.01	0.10	0.00	1.00
S13WALKTRYU	121	0.00	0.00	0.00	0.00
S14WALKTRYU	153	0.01	0.11	0.00	1.00
R7WALKEQUP	353	0.25	0.43	0.00	1.00
R8WALKEQUP	574	0.32	0.47	0.00	1.00
R9WALKEQUP	568	0.43	0.49	0.00	1.00
R10WALKEQUP	416	0.43	0.50	0.00	1.00
R11WALKEQUP	501	0.41	0.49	0.00	1.00
R12WALKEQUP	420	0.37	0.48	0.00	1.00
R13WALKEQUP	331	0.21	0.41	0.00	1.00
R14WALKEQUP	371	0.24	0.43	0.00	1.00
S7WALKEQUP	153	0.24	0.43	0.00	1.00
S8WALKEQUP	278	0.35	0.48	0.00	1.00
S9WALKEQUP	268	0.44	0.50	0.00	1.00
S10WALKEQUP	195	0.39	0.49	0.00	1.00
S11WALKEQUP	222	0.46	0.50	0.00	1.00
S12WALKEQUP	186	0.32	0.47	0.00	1.00
S13WALKEQUP	121	0.19	0.39	0.00	1.00
S14WALKEQUP	153	0.24	0.43	0.00	1.00
R7WALKOTHR	353	0.03	0.17	0.00	1.00
R8WALKOTHR	574	0.02	0.15	0.00	1.00
R9WALKOTHR	568	0.01	0.11	0.00	1.00
R10WALKOTHR	416	0.10	0.30	0.00	1.00
R11WALKOTHR	501	0.03	0.16	0.00	1.00
R12WALKOTHR	420	0.02	0.14	0.00	1.00
R13WALKOTHR	331	0.05	0.23	0.00	1.00
R14WALKOTHR	371	0.04	0.19	0.00	1.00
S7WALKOTHR	153	0.05	0.21	0.00	1.00
S8WALKOTHR	278	0.02	0.15	0.00	1.00
S9WALKOTHR	268	0.01	0.11	0.00	1.00
S10WALKOTHR	195	0.11	0.32	0.00	1.00
S11WALKOTHR	222	0.03	0.18	0.00	1.00
S12WALKOTHR	186	0.01	0.10	0.00	1.00
S13WALKOTHR	121	0.04	0.20	0.00	1.00
S14WALKOTHR	153	0.05	0.21	0.00	1.00

## Categorical Variable Codes

Value-----	R7WALKSFT	R8WALKSFT	R9WALKSFT	R10WALKSFT
.c:completed test	1873	4076	3981	3842
.d:DK	1	1		
.m:Missing	1220	6	4	8
.r:Refuse				1
.s:Skipped	16682	13812	12664	17767
0.no	117	280	290	208
1.yes	236	294	278	208

Value-----	R11WALKSFT	R12WALKSFT	R13WALKSFT	R14WALKSFT
.c:completed test	3708	3926	3450	3402
.d:DK		3		
.m:Missing	3			2
.s:Skipped	16342	14398	17131	13371
0.no	222	141	76	89
1.yes	279	279	255	282

Value-----	S7WALKSFT	S8WALKSFT	S9WALKSFT	S10WALKSFT
.c:completed test	1122	2536	2357	2367
.m:Missing	881	2	2	2
.s:Skipped	10812	8912	8013	10944
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	51	156	159	99
1.yes	102	122	109	96

Value-----	S11WALKSFT	S12WALKSFT	S13WALKSFT	S14WALKSFT
.c:completed test	2177	2295	1948	1882
.m:Missing	1			1
.s:Skipped	10076	8531	9709	7322
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	116	58	26	36
1.yes	106	128	95	117

Value-----	R7WALKREF	R8WALKREF	R9WALKREF	R10WALKREF
.c:completed test	1873	4076	3981	3842
.d:DK	1	1		
.m:Missing	1220	6	4	8
.r:Refuse				1
.s:Skipped	16682	13812	12664	17767
0.no	306	430	468	380
1.yes	47	144	100	36

Value-----	R11WALKREF	R12WALKREF	R13WALKREF	R14WALKREF
.c:completed test	3708	3926	3450	3402
.d:DK		3		
.m:Missing	3			2
.s:Skipped	16342	14398	17131	13371
0.no	447	384	304	338
1.yes	54	36	27	33

Value-----	S7WALKREF	S8WALKREF	S9WALKREF	S10WALKREF
.c:completed test	1122	2536	2357	2367
.m:Missing	881	2	2	2
.s:Skipped	10812	8912	8013	10944
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	136	207	215	181
1.yes	17	71	53	14

Value-----	S11WALKREF	S12WALKREF	S13WALKREF	S14WALKREF
.c:completed test	2177	2295	1948	1882
.m:Missing	1			1
.s:Skipped	10076	8531	9709	7322
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	199	169	110	139
1.yes	23	17	11	14

Value-----	R7WALKTRYU	R8WALKTRYU	R9WALKTRYU	R10WALKTRYU
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.c:completed test		1873	4076	3981	3842
.d:DK		1	1		
.m:Missing		1220	6	4	8
.r:Refuse					1
.s:Skipped		16682	13812	12664	17767
0.no		349	572	564	414
1.yes		4	2	4	2
Value-----	R11WALKTRYU	R12WALKTRYU	R13WALKTRYU	R14WALKTRYU	
.c:completed test	3708	3926	3450	3402	
.d:DK		3			
.m:Missing	3			2	
.s:Skipped	16342	14398	17131	13371	
0.no	499	415	327	369	
1.yes	2	5	4	2	
Value-----		S7WALKTRYU	S8WALKTRYU	S9WALKTRYU	S10WALKTRYU
.c:completed test		1122	2536	2357	2367
.m:Missing		881	2	2	2
.s:Skipped		10812	8912	8013	10944
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		152	277	266	193
1.yes		1	1	2	2
Value-----	S11WALKTRYU	S12WALKTRYU	S13WALKTRYU	S14WALKTRYU	
.c:completed test	2177	2295	1948	1882	
.m:Missing	1			1	
.s:Skipped	10076	8531	9709	7322	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	221	184	121	151	
1.yes	1	2		2	
Value-----		R7WALKEQUP	R8WALKEQUP	R9WALKEQUP	R10WALKEQUP
.c:completed test		1873	4076	3981	3842
.d:DK		1	1		
.m:Missing		1220	6	4	8
.r:Refuse					1
.s:Skipped		16682	13812	12664	17767
0.no		266	390	326	238
1.yes		87	184	242	178
Value-----	R11WALKEQUP	R12WALKEQUP	R13WALKEQUP	R14WALKEQUP	
.c:completed test	3708	3926	3450	3402	
.d:DK		3			
.m:Missing	3			2	
.s:Skipped	16342	14398	17131	13371	
0.no	295	266	262	282	
1.yes	206	154	69	89	
Value-----		S7WALKEQUP	S8WALKEQUP	S9WALKEQUP	S10WALKEQUP
.c:completed test		1122	2536	2357	2367
.m:Missing		881	2	2	2
.s:Skipped		10812	8912	8013	10944
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		117	181	149	119
1.yes		36	97	119	76
Value-----	S11WALKEQUP	S12WALKEQUP	S13WALKEQUP	S14WALKEQUP	
.c:completed test	2177	2295	1948	1882	
.m:Missing	1			1	
.s:Skipped	10076	8531	9709	7322	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	119	126	98	117	
1.yes	103	60	23	36	
Value-----		R7WALKOTHR	R8WALKOTHR	R9WALKOTHR	R10WALKOTHR
.c:completed test		1873	4076	3981	3842
.d:DK		1	1		
.m:Missing		1220	6	4	8
.r:Refuse					1
.s:Skipped		16682	13812	12664	17767
0.no		342	561	561	375

1.yes		11	13	7	41
Value-----	R11WALKOTHR	R12WALKOTHR	R13WALKOTHR	R14WALKOTHR	
.c:completed test	3708	3926	3450	3402	
.d:DK		3			
.m:Missing	3			2	
.s:Skipped	16342	14398	17131	13371	
0.no	487	412	313	357	
1.yes	14	8	18	14	
Value-----	S7WALKOTHR	S8WALKOTHR	S9WALKOTHR	S10WALKOTHR	
.c:completed test	1122	2536	2357	2367	
.m:Missing	881	2	2	2	
.s:Skipped	10812	8912	8013	10944	
.u:not coupled	6781	6424	6212	7804	
.v:SP NR	380	317	365	722	
0.no	146	272	265	173	
1.yes	7	6	3	22	
Value-----	S11WALKOTHR	S12WALKOTHR	S13WALKOTHR	S14WALKOTHR	
.c:completed test	2177	2295	1948	1882	
.m:Missing	1			1	
.s:Skipped	10076	8531	9709	7322	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	215	184	116	146	
1.yes	7	2	5	7	

### How Constructed:

RwWALKSFT, RwWALKREF, RwWALKTRYU, RwWALKEQUP, and RwWALKOTHR indicate the reasons for the respondent not taking part in the walking tests as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the walking tests. RwWALKSFT indicates whether the respondent did not participate in the walking tests because they felt it would not be safe, the interviewer felt it would be unsafe, or due to surgery, injury, or another health condition that prevented the respondent from walking. RwWALKREF indicates whether the respondent did not participate in the walking tests because they refused, with no reason given. RwWALKTRYU indicates whether the respondent did not participate in the walking tests because they tried but were unable to complete the tests. RwWALKEQUP indicates whether the respondent did not participate in the walking tests because of either problems with equipment/supplies or not having a suitable space to perform the tests. RwWALKOTHR indicates whether the respondent did not participate in the walking tests because either they did not understand the instructions or because of another reason. RwWALKSFT, RwWALKREF, RwWALKTRYU, RwWALKEQUP, and RwWALKOTHR are coded as 0 if the specific reason was not given for the respondent not completing the walking tests, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed at least one of the walking tests. Don't know, refuse, and other missing responses to RwWALKSFT, RwWALKREF, RwWALKTRYU, RwWALKEQUP, and RwWALKOTHR are set to special missing .d, .r, and .m, respectively. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Starting in Wave 8, special missing .s is also assigned if the respondent was under age 64. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwWALKSFT, SwWALKREF, SwWALKTRYU, SwWALKEQUP, and SwWALKOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the walking tests, and their values are taken from the spouse's values to RwWALKSFT, RwWALKREF, RwWALKTRYU, RwWALKEQUP, and RwWALKOTHR. In addition to the special missing codes employed by RwWALKSFT, RwWALKREF, RwWALKTRYU, RwWALKEQUP, and RwWALKOTHR, SwWALKSFT, SwWALKREF, SwWALKTRYU, SwWALKEQUP, and SwWALKOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

Physical measures began in Wave 7, but they were only given to a random subsample of approximately 3300 respondents. Of this subsample, a smaller subsample was given the walking speed tests. Walking speed tests were given to a larger sample of respondents starting in Wave 8.



If the respondent was selected for some physical measures but not the walking speed tests in Wave 7, then special missing .s is assigned. Starting in Wave 8, if the walking speed tests were not performed because the respondent was under age 64, then special missing .s is assigned.

The wording of and options used to create RwWALKEQUP change across waves. In Wave 7, the available options include "no suitable space" and "problem with equipment and/or consent form." In Wave 8, the wording for the latter option changes to "problem with equipment and or supplies". In Waves 9 through 13, the wording is "problem with equipment or supplies". In Wave 14, the option included is "no suitable space available".

Starting in Wave 12, there are additional screening questions asking about any problems that might prevent the respondent from walking and their understanding of the directions and feelings of safety in completing these tests which determine whether the respondent participates in the walking tests.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

### HRS Variables Used:

#### Wave 7:

JI820	walking test complete at least one trial
JI821M1	reason not complete walking test-1
JI821M2	reason not complete walking test-2
JI821M3	reason not complete walking test-3
JI821M4	reason not complete walking test-4

#### Wave 8:

KI820	walking test complete at least one trial
KI821M1	walking test reason not complete-1
KI821M2	walking test reason not complete-2
KI821M3	walking test reason not complete-3
KI821M4	walking test reason not complete-4

#### Wave 9:

LI820	walking test complete at least one trial
LI821M1	walking test reason not complete -1
LI821M2	walking test reason not complete -2
LI821M3	walking test reason not complete -3
LI821M4	walking test reason not complete -4
LI821M5	walking test reason not complete -5

#### Wave 10:

MI820	walking test complete at least one trial
MI821M1	walking test reason not complete -1
MI821M2	walking test reason not complete -2
MI821M3	walking test reason not complete -3
MI821M4	walking test reason not complete -4

#### Wave 11:

NI820	walking test complete at least one trial
NI821M1	walking test reason not complete -1
NI821M2	walking test reason not complete -2
NI821M3	walking test reason not complete -3
NI821M4	walking test reason not complete -4

#### Wave 12:

OI820	walking test complete at least one trial
OI821M1	walking test reason not complete -1
OI821M2	walking test reason not complete -2
OI821M3	walking test reason not complete -3
OI821M4	walking test reason not complete -4
OI821M5	walking test reason not complete -5

#### Wave 13:

PI820	walking test complete at least one trial
PI821M1	walking test reason not complete -1
PI821M2	walking test reason not complete -2
PI821M3	walking test reason not complete -3
PI821M4	walking test reason not complete -4
PI821M5	walking test reason not complete -5

Wave 14:

QI820	walking test complete at least one trial
QI821M1	walking test reason not complete -1
QI821M2	walking test reason not complete -2
QI821M3	walking test reason not complete -3
QI821M4	walking test reason not complete -4
QI821M5	walking test reason not complete -5

<b>Height, Weight, and Waist Circumference Measurements</b>
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Wave	Variable	Label	Type
07	R7MHEIGHT	r7mheight:w7 r height measurement in meters	Cont
08	R8MHEIGHT	r8mheight:w8 r height measurement in meters	Cont
09	R9MHEIGHT	r9mheight:w9 r height measurement in meters	Cont
10	R10MHEIGHT	r10mheight:w10 r height measurement in meters	Cont
11	R11MHEIGHT	r11mheight:w11 r height measurement in meters	Cont
12	R12MHEIGHT	r12mheight:w12 r height measurement in meters	Cont
13	R13MHEIGHT	r13mheight:w13 r height measurement in meters	Cont
14	R14MHEIGHT	r14mheight:w14 r height measurement in meters	Cont
07	S7MHEIGHT	s7mheight:w7 s height measurement in meters	Cont
08	S8MHEIGHT	s8mheight:w8 s height measurement in meters	Cont
09	S9MHEIGHT	s9mheight:w9 s height measurement in meters	Cont
10	S10MHEIGHT	s10mheight:w10 s height measurement in meters	Cont
11	S11MHEIGHT	s11mheight:w11 s height measurement in meters	Cont
12	S12MHEIGHT	s12mheight:w12 s height measurement in meters	Cont
13	S13MHEIGHT	s13mheight:w13 s height measurement in meters	Cont
14	S14MHEIGHT	s14mheight:w14 s height measurement in meters	Cont
07	R7MWEIGHT	r7mweight:w7 r weight measurement in kilograms	Cont
08	R8MWEIGHT	r8mweight:w8 r weight measurement in kilograms	Cont
09	R9MWEIGHT	r9mweight:w9 r weight measurement in kilograms	Cont
10	R10MWEIGHT	r10mweight:w10 r weight measurement in kilograms	Cont
11	R11MWEIGHT	r11mweight:w11 r weight measurement in kilograms	Cont
12	R12MWEIGHT	r12mweight:w12 r weight measurement in kilograms	Cont
13	R13MWEIGHT	r13mweight:w13 r weight measurement in kilograms	Cont
14	R14MWEIGHT	r14mweight:w14 r weight measurement in kilograms	Cont
07	S7MWEIGHT	s7mweight:w7 s weight measurement in kilograms	Cont
08	S8MWEIGHT	s8mweight:w8 s weight measurement in kilograms	Cont
09	S9MWEIGHT	s9mweight:w9 s weight measurement in kilograms	Cont
10	S10MWEIGHT	s10mweight:w10 s weight measurement in kilograms	Cont
11	S11MWEIGHT	s11mweight:w11 s weight measurement in kilograms	Cont
12	S12MWEIGHT	s12mweight:w12 s weight measurement in kilograms	Cont
13	S13MWEIGHT	s13mweight:w13 s weight measurement in kilograms	Cont
14	S14MWEIGHT	s14mweight:w14 s weight measurement in kilograms	Cont
08	R8MWAIST	r8mwaist:w8 r waist measurement (cm)	Cont
09	R9MWAIST	r9mwaist:w9 r waist measurement (cm)	Cont
10	R10MWAIST	r10mwaist:w10 r waist measurement (cm)	Cont
11	R11MWAIST	r11mwaist:w11 r waist measurement (cm)	Cont
12	R12MWAIST	r12mwaist:w12 r waist measurement (cm)	Cont
13	R13MWAIST	r13mwaist:w13 r waist measurement (cm)	Cont
14	R14MWAIST	r14mwaist:w14 r waist measurement (cm)	Cont
08	S8MWAIST	s8mwaist:w8 s waist measurement (cm)	Cont
09	S9MWAIST	s9mwaist:w9 s waist measurement (cm)	Cont
10	S10MWAIST	s10mwaist:w10 s waist measurement (cm)	Cont
11	S11MWAIST	s11mwaist:w11 s waist measurement (cm)	Cont
12	S12MWAIST	s12mwaist:w12 s waist measurement (cm)	Cont
13	S13MWAIST	s13mwaist:w13 s waist measurement (cm)	Cont
14	S14MWAIST	s14mwaist:w14 s waist measurement (cm)	Cont
07	R7MBMI	r7mbmi:w7 r measured Body Mass Index=kg/m2	Cont
08	R8MBMI	r8mbmi:w8 r measured Body Mass Index=kg/m2	Cont
09	R9MBMI	r9mbmi:w9 r measured Body Mass Index=kg/m2	Cont
10	R10MBMI	r10mbmi:w10 r measured Body Mass Index=kg/m2	Cont
11	R11MBMI	r11mbmi:w11 r measured Body Mass Index=kg/m2	Cont

12	R12MBMI	r12mbmi:w12	r	measured Body Mass Index=kg/m2	Cont
13	R13MBMI	r13mbmi:w13	r	measured Body Mass Index=kg/m2	Cont
14	R14MBMI	r14mbmi:w14	r	measured Body Mass Index=kg/m2	Cont
07	S7MBMI	s7mbmi:w7	s	measured Body Mass Index=kg/m2	Cont
08	S8MBMI	s8mbmi:w8	s	measured Body Mass Index=kg/m2	Cont
09	S9MBMI	s9mbmi:w9	s	measured Body Mass Index=kg/m2	Cont
10	S10MBMI	s10mbmi:w10	s	measured Body Mass Index=kg/m2	Cont
11	S11MBMI	s11mbmi:w11	s	measured Body Mass Index=kg/m2	Cont
12	S12MBMI	s12mbmi:w12	s	measured Body Mass Index=kg/m2	Cont
13	S13MBMI	s13mbmi:w13	s	measured Body Mass Index=kg/m2	Cont
14	S14MBMI	s14mbmi:w14	s	measured Body Mass Index=kg/m2	Cont
07	R7MBMICAT	r7mbmicat:w7	r	mbmi categorization	Categ
08	R8MBMICAT	r8mbmicat:w8	r	mbmi categorization	Categ
09	R9MBMICAT	r9mbmicat:w9	r	mbmi categorization	Categ
10	R10MBMICAT	r10mbmicat:w10	r	mbmi categorization	Categ
11	R11MBMICAT	r11mbmicat:w11	r	mbmi categorization	Categ
12	R12MBMICAT	r12mbmicat:w12	r	mbmi categorization	Categ
13	R13MBMICAT	r13mbmicat:w13	r	mbmi categorization	Categ
14	R14MBMICAT	r14mbmicat:w14	r	mbmi categorization	Categ
07	S7MBMICAT	s7mbmicat:w7	s	mbmi categorization	Categ
08	S8MBMICAT	s8mbmicat:w8	s	mbmi categorization	Categ
09	S9MBMICAT	s9mbmicat:w9	s	mbmi categorization	Categ
10	S10MBMICAT	s10mbmicat:w10	s	mbmi categorization	Categ
11	S11MBMICAT	s11mbmicat:w11	s	mbmi categorization	Categ
12	S12MBMICAT	s12mbmicat:w12	s	mbmi categorization	Categ
13	S13MBMICAT	s13mbmicat:w13	s	mbmi categorization	Categ
14	S14MBMICAT	s14mbmicat:w14	s	mbmi categorization	Categ
07	R7MOBESE	r7mobese:w7	r	whether measured obese	Categ
08	R8MOBESE	r8mobese:w8	r	whether measured obese	Categ
09	R9MOBESE	r9mobese:w9	r	whether measured obese	Categ
10	R10MOBESE	r10mobese:w10	r	whether measured obese	Categ
11	R11MOBESE	r11mobese:w11	r	whether measured obese	Categ
12	R12MOBESE	r12mobese:w12	r	whether measured obese	Categ
13	R13MOBESE	r13mobese:w13	r	whether measured obese	Categ
14	R14MOBESE	r14mobese:w14	r	whether measured obese	Categ
07	S7MOBESE	s7mobese:w7	s	whether measured obese	Categ
08	S8MOBESE	s8mobese:w8	s	whether measured obese	Categ
09	S9MOBESE	s9mobese:w9	s	whether measured obese	Categ
10	S10MOBESE	s10mobese:w10	s	whether measured obese	Categ
11	S11MOBESE	s11mobese:w11	s	whether measured obese	Categ
12	S12MOBESE	s12mobese:w12	s	whether measured obese	Categ
13	S13MOBESE	s13mobese:w13	s	whether measured obese	Categ
14	S14MOBESE	s14mobese:w14	s	whether measured obese	Categ
07	R7HTCOMP	r7htcomp:w7	r	willing and able to complete height measuremen	Categ
08	R8HTCOMP	r8htcomp:w8	r	willing and able to complete height measuremen	Categ
09	R9HTCOMP	r9htcomp:w9	r	willing and able to complete height measuremen	Categ
10	R10HTCOMP	r10htcomp:w10	r	willing and able to complete height measuremen	Categ
11	R11HTCOMP	r11htcomp:w11	r	willing and able to complete height measuremen	Categ
12	R12HTCOMP	r12htcomp:w12	r	willing and able to complete height measuremen	Categ
13	R13HTCOMP	r13htcomp:w13	r	willing and able to complete height measuremen	Categ
14	R14HTCOMP	r14htcomp:w14	r	willing and able to complete height measuremen	Categ
07	S7HTCOMP	s7htcomp:w7	s	willing and able to complete height measuremen	Categ
08	S8HTCOMP	s8htcomp:w8	s	willing and able to complete height measuremen	Categ
09	S9HTCOMP	s9htcomp:w9	s	willing and able to complete height measuremen	Categ
10	S10HTCOMP	s10htcomp:w10	s	willing and able to complete height measuremen	Categ
11	S11HTCOMP	s11htcomp:w11	s	willing and able to complete height measuremen	Categ

12	S12HTCOMP	s12htcomp:w12	s	willing and able to complete height measurem	Categ
13	S13HTCOMP	s13htcomp:w13	s	willing and able to complete height measurem	Categ
14	S14HTCOMP	s14htcomp:w14	s	willing and able to complete height measurem	Categ
07	R7WTCOMP	r7wtcomp:w7	r	willing and able to complete weight measuremen	Categ
08	R8WTCOMP	r8wtcomp:w8	r	willing and able to complete weight measuremen	Categ
09	R9WTCOMP	r9wtcomp:w9	r	willing and able to complete weight measuremen	Categ
10	R10WTCOMP	r10wtcomp:w10	r	willing and able to complete weight measurem	Categ
11	R11WTCOMP	r11wtcomp:w11	r	willing and able to complete weight measurem	Categ
12	R12WTCOMP	r12wtcomp:w12	r	willing and able to complete weight measurem	Categ
13	R13WTCOMP	r13wtcomp:w13	r	willing and able to complete weight measurem	Categ
14	R14WTCOMP	r14wtcomp:w14	r	willing and able to complete weight measurem	Categ
07	S7WTCOMP	s7wtcomp:w7	s	willing and able to complete weight measuremen	Categ
08	S8WTCOMP	s8wtcomp:w8	s	willing and able to complete weight measuremen	Categ
09	S9WTCOMP	s9wtcomp:w9	s	willing and able to complete weight measuremen	Categ
10	S10WTCOMP	s10wtcomp:w10	s	willing and able to complete weight measurem	Categ
11	S11WTCOMP	s11wtcomp:w11	s	willing and able to complete weight measurem	Categ
12	S12WTCOMP	s12wtcomp:w12	s	willing and able to complete weight measurem	Categ
13	S13WTCOMP	s13wtcomp:w13	s	willing and able to complete weight measurem	Categ
14	S14WTCOMP	s14wtcomp:w14	s	willing and able to complete weight measurem	Categ
08	R8WATCOMP	r8watcomp:w8	r	willing and able to complete waist measuremen	Categ
09	R9WATCOMP	r9watcomp:w9	r	willing and able to complete waist measuremen	Categ
10	R10WATCOMP	r10watcomp:w10	r	willing and able to complete waist measurem	Categ
11	R11WATCOMP	r11watcomp:w11	r	willing and able to complete waist measurem	Categ
12	R12WATCOMP	r12watcomp:w12	r	willing and able to complete waist measurem	Categ
13	R13WATCOMP	r13watcomp:w13	r	willing and able to complete waist measurem	Categ
14	R14WATCOMP	r14watcomp:w14	r	willing and able to complete waist measurem	Categ
08	S8WATCOMP	s8watcomp:w8	s	willing and able to complete waist measuremen	Categ
09	S9WATCOMP	s9watcomp:w9	s	willing and able to complete waist measuremen	Categ
10	S10WATCOMP	s10watcomp:w10	s	willing and able to complete waist measurem	Categ
11	S11WATCOMP	s11watcomp:w11	s	willing and able to complete waist measurem	Categ
12	S12WATCOMP	s12watcomp:w12	s	willing and able to complete waist measurem	Categ
13	S13WATCOMP	s13watcomp:w13	s	willing and able to complete waist measurem	Categ
14	S14WATCOMP	s14watcomp:w14	s	willing and able to complete waist measurem	Categ
08	R8HTCOMPL	r8htcompl:w8	r	compliance during height measurement	Categ
09	R9HTCOMPL	r9htcompl:w9	r	compliance during height measurement	Categ
10	R10HTCOMPL	r10htcompl:w10	r	compliance during height measurement	Categ
11	R11HTCOMPL	r11htcompl:w11	r	compliance during height measurement	Categ
08	S8HTCOMPL	s8htcompl:w8	s	compliance during height measurement	Categ
09	S9HTCOMPL	s9htcompl:w9	s	compliance during height measurement	Categ
10	S10HTCOMPL	s10htcompl:w10	s	compliance during height measurement	Categ
11	S11HTCOMPL	s11htcompl:w11	s	compliance during height measurement	Categ
08	R8WTCOMPL	r8wtcompl:w8	r	compliance during weight measurement	Categ
09	R9WTCOMPL	r9wtcompl:w9	r	compliance during weight measurement	Categ
10	R10WTCOMPL	r10wtcompl:w10	r	compliance during weight measurement	Categ
11	R11WTCOMPL	r11wtcompl:w11	r	compliance during weight measurement	Categ
08	S8WTCOMPL	s8wtcompl:w8	s	compliance during weight measurement	Categ
09	S9WTCOMPL	s9wtcompl:w9	s	compliance during weight measurement	Categ
10	S10WTCOMPL	s10wtcompl:w10	s	compliance during weight measurement	Categ
11	S11WTCOMPL	s11wtcompl:w11	s	compliance during weight measurement	Categ
08	R8WATCOMPL	r8watcompl:w8	r	compliance during waist measurement	Categ
09	R9WATCOMPL	r9watcompl:w9	r	compliance during waist measurement	Categ
10	R10WATCOMPL	r10watcompl:w10	r	compliance during waist measurement	Categ
11	R11WATCOMPL	r11watcompl:w11	r	compliance during waist measurement	Categ

08	S8WATCOMPL	s8watcompl:w8 s compliance during waist measurement	Categ
09	S9WATCOMPL	s9watcompl:w9 s compliance during waist measurement	Categ
10	S10WATCOMPL	s10watcompl:w10 s compliance during waist measurement	Categ
11	S11WATCOMPL	s11watcompl:w11 s compliance during waist measurement	Categ
07	R7HTFLR	r7htflr:w7 floor surface r's height measurement	Categ
08	R8HTFLR	r8htflr:w8 floor surface r's height measurement	Categ
09	R9HTFLR	r9htflr:w9 floor surface r's height measurement	Categ
10	R10HTFLR	r10htflr:w10 floor surface r's height measurement	Categ
11	R11HTFLR	r11htflr:w11 floor surface r's height measurement	Categ
07	S7HTFLR	s7htflr:w7 floor surface s's height measurement	Categ
08	S8HTFLR	s8htflr:w8 floor surface s's height measurement	Categ
09	S9HTFLR	s9htflr:w9 floor surface s's height measurement	Categ
10	S10HTFLR	s10htflr:w10 floor surface s's height measurement	Categ
11	S11HTFLR	s11htflr:w11 floor surface s's height measurement	Categ
07	R7WTFLR	r7wtflr:w7 floor surface r's weight measurement	Categ
08	R8WTFLR	r8wtflr:w8 floor surface r's weight measurement	Categ
09	R9WTFLR	r9wtflr:w9 floor surface r's weight measurement	Categ
10	R10WTFLR	r10wtflr:w10 floor surface r's weight measurement	Categ
11	R11WTFLR	r11wtflr:w11 floor surface r's weight measurement	Categ
12	R12WTFLR	r12wtflr:w12 floor surface r's weight measurement	Categ
13	R13WTFLR	r13wtflr:w13 floor surface r's weight measurement	Categ
14	R14WTFLR	r14wtflr:w14 floor surface r's weight measurement	Categ
07	S7WTFLR	s7wtflr:w7 floor surface s's weight measurement	Categ
08	S8WTFLR	s8wtflr:w8 floor surface s's weight measurement	Categ
09	S9WTFLR	s9wtflr:w9 floor surface s's weight measurement	Categ
10	S10WTFLR	s10wtflr:w10 floor surface s's weight measurement	Categ
11	S11WTFLR	s11wtflr:w11 floor surface s's weight measurement	Categ
12	S12WTFLR	s12wtflr:w12 floor surface s's weight measurement	Categ
13	S13WTFLR	s13wtflr:w13 floor surface s's weight measurement	Categ
14	S14WTFLR	s14wtflr:w14 floor surface s's weight measurement	Categ
07	R7SHOEH	r7shoeh:w7 r if wearing shoes (height)	Categ
08	R8SHOEH	r8shoeh:w8 r if wearing shoes (height)	Categ
09	R9SHOEH	r9shoeh:w9 r if wearing shoes (height)	Categ
10	R10SHOEH	r10shoeh:w10 r if wearing shoes (height)	Categ
11	R11SHOEH	r11shoeh:w11 r if wearing shoes (height)	Categ
12	R12SHOEH	r12shoeh:w12 r if wearing shoes (height)	Categ
13	R13SHOEH	r13shoeh:w13 r if wearing shoes (height)	Categ
14	R14SHOEH	r14shoeh:w14 r if wearing shoes (height)	Categ
07	S7SHOEH	s7shoeh:w7 s if wearing shoes (height)	Categ
08	S8SHOEH	s8shoeh:w8 s if wearing shoes (height)	Categ
09	S9SHOEH	s9shoeh:w9 s if wearing shoes (height)	Categ
10	S10SHOEH	s10shoeh:w10 s if wearing shoes (height)	Categ
11	S11SHOEH	s11shoeh:w11 s if wearing shoes (height)	Categ
12	S12SHOEH	s12shoeh:w12 s if wearing shoes (height)	Categ
13	S13SHOEH	s13shoeh:w13 s if wearing shoes (height)	Categ
14	S14SHOEH	s14shoeh:w14 s if wearing shoes (height)	Categ
07	R7SHOEW	r7shoew:w7 r if wearing shoes (weight)	Categ
08	R8SHOEW	r8shoew:w8 r if wearing shoes (weight)	Categ
09	R9SHOEW	r9shoew:w9 r if wearing shoes (weight)	Categ
10	R10SHOEW	r10shoew:w10 r if wearing shoes (weight)	Categ
11	R11SHOEW	r11shoew:w11 r if wearing shoes (weight)	Categ
12	R12SHOEW	r12shoew:w12 r if wearing shoes (weight)	Categ
13	R13SHOEW	r13shoew:w13 r if wearing shoes (weight)	Categ
14	R14SHOEW	r14shoew:w14 r if wearing shoes (weight)	Categ
07	S7SHOEW	s7shoew:w7 s if wearing shoes (weight)	Categ

08	S8SHOEW	s8shoew:w8 s if wearing shoes (weight)	Categ
09	S9SHOEW	s9shoew:w9 s if wearing shoes (weight)	Categ
10	S10SHOEW	s10shoew:w10 s if wearing shoes (weight)	Categ
11	S11SHOEW	s11shoew:w11 s if wearing shoes (weight)	Categ
12	S12SHOEW	s12shoew:w12 s if wearing shoes (weight)	Categ
13	S13SHOEW	s13shoew:w13 s if wearing shoes (weight)	Categ
14	S14SHOEW	s14shoew:w14 s if wearing shoes (weight)	Categ
08	R8BULKY	r8bulky:w8 r wearing bulky clothes for waist measurement	Categ
09	R9BULKY	r9bulky:w9 r wearing bulky clothes for waist measurement	Categ
10	R10BULKY	r10bulky:w10 r wearing bulky clothes for waist measurement	Categ
11	R11BULKY	r11bulky:w11 r wearing bulky clothes for waist measurement	Categ
12	R12BULKY	r12bulky:w12 r wearing bulky clothes for waist measurement	Categ
13	R13BULKY	r13bulky:w13 r wearing bulky clothes for waist measurement	Categ
14	R14BULKY	r14bulky:w14 r wearing bulky clothes for waist measurement	Categ
08	S8BULKY	s8bulky:w8 s wearing bulky clothes for waist measurement	Categ
09	S9BULKY	s9bulky:w9 s wearing bulky clothes for waist measurement	Categ
10	S10BULKY	s10bulky:w10 s wearing bulky clothes for waist measurement	Categ
11	S11BULKY	s11bulky:w11 s wearing bulky clothes for waist measurement	Categ
12	S12BULKY	s12bulky:w12 s wearing bulky clothes for waist measurement	Categ
13	S13BULKY	s13bulky:w13 s wearing bulky clothes for waist measurement	Categ
14	S14BULKY	s14bulky:w14 s wearing bulky clothes for waist measurement	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7MHEIGHT	580	1.66	0.11	1.23	1.96
R8MHEIGHT	7418	1.66	0.10	1.28	2.00
R9MHEIGHT	6674	1.65	0.10	1.04	2.01
R10MHEIGHT	8776	1.66	0.10	1.19	2.25
R11MHEIGHT	8245	1.66	0.10	1.23	2.25
R12MHEIGHT	7719	1.65	0.10	1.23	2.03
R13MHEIGHT	8048	1.65	0.10	1.17	2.24
R14MHEIGHT	6980	1.65	0.10	1.22	2.11
S7MHEIGHT	370	1.67	0.11	1.23	1.96
S8MHEIGHT	4976	1.68	0.10	1.38	2.00
S9MHEIGHT	4213	1.67	0.10	1.23	1.98
S10MHEIGHT	5568	1.67	0.10	1.22	2.03
S11MHEIGHT	5118	1.67	0.10	1.24	2.25
S12MHEIGHT	4723	1.67	0.10	1.28	2.03
S13MHEIGHT	4724	1.67	0.10	1.17	2.01
S14MHEIGHT	4007	1.67	0.10	1.24	2.11
R7MWEIGHT	520	78.45	18.54	31.07	135.62
R8MWEIGHT	7187	80.19	17.90	32.21	137.89
R9MWEIGHT	6496	79.82	18.12	9.53	138.35
R10MWEIGHT	8468	81.65	18.35	29.71	138.35
R11MWEIGHT	8008	81.40	18.50	0.45	144.42
R12MWEIGHT	7547	81.56	18.49	33.79	151.50
R13MWEIGHT	7785	82.64	18.77	29.71	151.50
R14MWEIGHT	6829	82.22	18.84	21.32	144.24
S7MWEIGHT	328	80.72	18.11	40.82	135.62
S8MWEIGHT	4826	81.97	17.67	39.01	137.67
S9MWEIGHT	4100	81.70	17.84	9.53	138.35
S10MWEIGHT	5366	83.19	18.11	35.83	138.35
S11MWEIGHT	4972	82.81	18.20	0.45	144.42
S12MWEIGHT	4608	83.35	18.20	37.65	151.50
S13MWEIGHT	4566	83.91	18.18	40.14	151.50
S14MWEIGHT	3910	84.04	18.58	30.84	141.97

R8MWAIST	7357	100.65	15.37	52.07	186.69
R9MWAIST	6638	100.93	15.55	55.88	188.60
R10MWAIST	8743	102.00	15.91	2.54	340.36
R11MWAIST	8196	101.84	15.86	2.54	248.92
R12MWAIST	7734	102.46	17.09	2.54	474.98
R13MWAIST	8056	103.55	19.18	7.62	482.60
R14MWAIST	7024	103.57	19.42	2.54	637.54
S8MWAIST	4945	100.91	15.15	52.07	186.69
S9MWAIST	4185	101.35	15.12	55.88	188.60
S10MWAIST	5549	102.30	15.84	2.54	340.36
S11MWAIST	5089	101.91	15.41	2.54	248.92
S12MWAIST	4725	102.80	16.61	2.54	414.02
S13MWAIST	4722	103.67	19.65	7.62	482.60
S14MWAIST	4008	104.19	19.79	2.54	637.54
R7MBMI	515	28.39	5.63	15.36	57.44
R8MBMI	7128	29.03	5.75	14.85	64.15
R9MBMI	6454	29.30	6.08	3.17	76.49
R10MBMI	8409	29.81	6.18	10.01	72.95
R11MBMI	7953	29.74	6.31	0.16	77.35
R12MBMI	7504	29.92	6.25	12.83	74.01
R13MBMI	7749	30.18	6.37	10.49	82.57
R14MBMI	6753	30.11	6.27	9.26	58.34
S7MBMI	325	28.66	5.48	15.74	57.44
S8MBMI	4788	29.12	5.59	14.85	64.15
S9MBMI	4084	29.39	5.74	3.17	67.64
S10MBMI	5328	29.88	5.99	15.34	72.95
S11MBMI	4946	29.79	6.12	0.16	77.35
S12MBMI	4593	30.07	6.04	15.86	67.78
S13MBMI	4550	30.18	6.00	16.11	82.57
S14MBMI	3883	30.26	6.05	10.26	54.36
R7MBMICAT	515	3.19	1.12	1.00	6.00
R8MBMICAT	7128	3.31	1.10	1.00	6.00
R9MBMICAT	6454	3.35	1.14	1.00	6.00
R10MBMICAT	8409	3.45	1.16	1.00	6.00
R11MBMICAT	7953	3.43	1.16	1.00	6.00
R12MBMICAT	7504	3.47	1.17	1.00	6.00
R13MBMICAT	7749	3.52	1.18	1.00	6.00
R14MBMICAT	6753	3.51	1.18	1.00	6.00
S7MBMICAT	325	3.22	1.08	1.00	6.00
S8MBMICAT	4788	3.32	1.08	1.00	6.00
S9MBMICAT	4084	3.37	1.10	1.00	6.00
S10MBMICAT	5328	3.47	1.13	1.00	6.00
S11MBMICAT	4946	3.44	1.14	1.00	6.00
S12MBMICAT	4593	3.50	1.14	1.00	6.00
S13MBMICAT	4550	3.52	1.12	1.00	6.00
S14MBMICAT	3883	3.54	1.15	1.00	6.00
R7MOBESE	515	0.35	0.48	0.00	1.00
R8MOBESE	7128	0.38	0.49	0.00	1.00
R9MOBESE	6454	0.40	0.49	0.00	1.00
R10MOBESE	8409	0.43	0.50	0.00	1.00
R11MOBESE	7953	0.43	0.50	0.00	1.00
R12MOBESE	7504	0.44	0.50	0.00	1.00
R13MOBESE	7749	0.46	0.50	0.00	1.00
R14MOBESE	6753	0.45	0.50	0.00	1.00
S7MOBESE	325	0.36	0.48	0.00	1.00



S8MOBESE	4788	0.38	0.49	0.00	1.00
S9MOBESE	4084	0.40	0.49	0.00	1.00
S10MOBESE	5328	0.44	0.50	0.00	1.00
S11MOBESE	4946	0.43	0.50	0.00	1.00
S12MOBESE	4593	0.45	0.50	0.00	1.00
S13MOBESE	4550	0.46	0.50	0.00	1.00
S14MOBESE	3883	0.46	0.50	0.00	1.00
R7HTCOMP	675	0.86	0.35	0.00	1.00
R8HTCOMP	7788	0.95	0.21	0.00	1.00
R9HTCOMP	6926	0.96	0.19	0.00	1.00
R10HTCOMP	8978	0.98	0.15	0.00	1.00
R11HTCOMP	8512	0.97	0.17	0.00	1.00
R12HTCOMP	7994	0.97	0.18	0.00	1.00
R13HTCOMP	8315	0.97	0.17	0.00	1.00
R14HTCOMP	7281	0.96	0.19	0.00	1.00
S7HTCOMP	422	0.88	0.33	0.00	1.00
S8HTCOMP	5169	0.96	0.19	0.00	1.00
S9HTCOMP	4335	0.97	0.17	0.00	1.00
S10HTCOMP	5674	0.98	0.13	0.00	1.00
S11HTCOMP	5232	0.98	0.15	0.00	1.00
S12HTCOMP	4860	0.97	0.17	0.00	1.00
S13HTCOMP	4840	0.98	0.15	0.00	1.00
S14HTCOMP	4132	0.97	0.16	0.00	1.00
R7WTCOMP	664	0.78	0.41	0.00	1.00
R8WTCOMP	7705	0.93	0.25	0.00	1.00
R9WTCOMP	6857	0.95	0.22	0.00	1.00
R10WTCOMP	8845	0.96	0.20	0.00	1.00
R11WTCOMP	8376	0.96	0.20	0.00	1.00
R12WTCOMP	7872	0.96	0.20	0.00	1.00
R13WTCOMP	8211	0.95	0.22	0.00	1.00
R14WTCOMP	7189	0.95	0.22	0.00	1.00
S7WTCOMP	415	0.79	0.41	0.00	1.00
S8WTCOMP	5115	0.94	0.23	0.00	1.00
S9WTCOMP	4289	0.96	0.20	0.00	1.00
S10WTCOMP	5586	0.96	0.19	0.00	1.00
S11WTCOMP	5150	0.97	0.18	0.00	1.00
S12WTCOMP	4785	0.96	0.19	0.00	1.00
S13WTCOMP	4773	0.96	0.20	0.00	1.00
S14WTCOMP	4077	0.96	0.20	0.00	1.00
R8WATCOMP	7788	0.95	0.23	0.00	1.00
R9WATCOMP	6926	0.96	0.20	0.00	1.00
R10WATCOMP	8978	0.97	0.16	0.00	1.00
R11WATCOMP	8512	0.96	0.19	0.00	1.00
R12WATCOMP	7994	0.97	0.18	0.00	1.00
R13WATCOMP	8314	0.97	0.17	0.00	1.00
R14WATCOMP	7280	0.96	0.18	0.00	1.00
S8WATCOMP	5169	0.96	0.20	0.00	1.00
S9WATCOMP	4335	0.97	0.18	0.00	1.00
S10WATCOMP	5674	0.98	0.15	0.00	1.00
S11WATCOMP	5232	0.97	0.16	0.00	1.00
S12WATCOMP	4860	0.97	0.16	0.00	1.00
S13WATCOMP	4839	0.98	0.15	0.00	1.00
S14WATCOMP	4131	0.97	0.17	0.00	1.00
R8HTCOMPL	7429	1.00	0.09	1.00	3.00
R9HTCOMPL	6674	1.00	0.09	1.00	3.00
R10HTCOMPL	8778	1.00	0.07	1.00	3.00

R11HTCOMPL	8246	1.00	0.07	1.00	3.00
S8HTCOMPL	4985	1.01	0.09	1.00	3.00
S9HTCOMPL	4213	1.00	0.08	1.00	3.00
S10HTCOMPL	5570	1.00	0.06	1.00	3.00
S11HTCOMPL	5119	1.00	0.05	1.00	2.00
R8WTCOMPL	7203	1.00	0.08	1.00	3.00
R9WTCOMPL	6507	1.00	0.05	1.00	3.00
R10WTCOMPL	8476	1.00	0.08	1.00	3.00
R11WTCOMPL	8012	1.00	0.06	1.00	3.00
S8WTCOMPL	4831	1.00	0.08	1.00	3.00
S9WTCOMPL	4107	1.00	0.05	1.00	3.00
S10WTCOMPL	5368	1.00	0.07	1.00	3.00
S11WTCOMPL	4974	1.00	0.04	1.00	2.00
R8WATCOMPL	7363	1.00	0.06	1.00	3.00
R9WATCOMPL	6638	1.00	0.05	1.00	3.00
R10WATCOMPL	8744	1.00	0.05	1.00	3.00
R11WATCOMPL	8196	1.00	0.06	1.00	3.00
S8WATCOMPL	4950	1.00	0.06	1.00	3.00
S9WATCOMPL	4185	1.00	0.05	1.00	3.00
S10WATCOMPL	5550	1.00	0.05	1.00	3.00
S11WATCOMPL	5089	1.00	0.06	1.00	3.00
R7HTFLR	578	1.40	0.70	1.00	5.00
R8HTFLR	7425	1.35	0.60	1.00	5.00
R9HTFLR	6665	1.33	0.59	1.00	5.00
R10HTFLR	8777	1.29	0.58	1.00	5.00
R11HTFLR	8238	1.30	0.63	1.00	5.00
S7HTFLR	368	1.40	0.70	1.00	4.00
S8HTFLR	4982	1.31	0.59	1.00	5.00
S9HTFLR	4208	1.29	0.57	1.00	5.00
S10HTFLR	5569	1.26	0.55	1.00	5.00
S11HTFLR	5113	1.25	0.59	1.00	5.00
R7WTFLR	518	1.25	0.64	1.00	5.00
R8WTFLR	7198	1.20	0.53	1.00	5.00
R9WTFLR	6502	1.20	0.53	1.00	5.00
R10WTFLR	8466	1.16	0.51	1.00	5.00
R11WTFLR	8005	1.15	0.55	1.00	5.00
R12WTFLR	7543	1.13	0.49	1.00	5.00
R13WTFLR	7779	1.18	0.57	1.00	5.00
R14WTFLR	6829	1.16	0.54	1.00	5.00
S7WTFLR	326	1.25	0.64	1.00	4.00
S8WTFLR	4826	1.18	0.51	1.00	5.00
S9WTFLR	4104	1.16	0.49	1.00	5.00
S10WTFLR	5364	1.14	0.48	1.00	5.00
S11WTFLR	4968	1.13	0.52	1.00	5.00
S12WTFLR	4606	1.11	0.46	1.00	5.00
S13WTFLR	4565	1.14	0.52	1.00	5.00
S14WTFLR	3910	1.12	0.48	1.00	5.00
R7SHOEH	578	0.31	0.46	0.00	1.00
R8SHOEH	7429	0.13	0.34	0.00	1.00
R9SHOEH	6674	0.12	0.32	0.00	1.00
R10SHOEH	8778	0.06	0.24	0.00	1.00
R11SHOEH	8246	0.08	0.27	0.00	1.00
R12SHOEH	7714	0.04	0.20	0.00	1.00

R13SHOEH	8056	0.05	0.22	0.00	1.00
R14SHOEH	7020	0.05	0.21	0.00	1.00
S7SHOEH	368	0.30	0.46	0.00	1.00
S8SHOEH	4985	0.12	0.33	0.00	1.00
S9SHOEH	4213	0.10	0.31	0.00	1.00
S10SHOEH	5570	0.06	0.23	0.00	1.00
S11SHOEH	5119	0.07	0.26	0.00	1.00
S12SHOEH	4719	0.04	0.19	0.00	1.00
S13SHOEH	4728	0.04	0.20	0.00	1.00
S14SHOEH	4018	0.04	0.19	0.00	1.00
R7SHOEW	518	0.25	0.43	0.00	1.00
R8SHOEW	7203	0.11	0.31	0.00	1.00
R9SHOEW	6507	0.10	0.30	0.00	1.00
R10SHOEW	8476	0.05	0.22	0.00	1.00
R11SHOEW	8012	0.07	0.25	0.00	1.00
R12SHOEW	7544	0.04	0.19	0.00	1.00
R13SHOEW	7783	0.05	0.22	0.00	1.00
R14SHOEW	6831	0.04	0.20	0.00	1.00
S7SHOEW	326	0.25	0.43	0.00	1.00
S8SHOEW	4831	0.10	0.30	0.00	1.00
S9SHOEW	4107	0.09	0.28	0.00	1.00
S10SHOEW	5368	0.05	0.21	0.00	1.00
S11SHOEW	4974	0.06	0.24	0.00	1.00
S12SHOEW	4606	0.03	0.18	0.00	1.00
S13SHOEW	4566	0.05	0.21	0.00	1.00
S14SHOEW	3910	0.04	0.19	0.00	1.00
R8BULKY	7363	0.05	0.22	0.00	1.00
R9BULKY	6638	0.05	0.22	0.00	1.00
R10BULKY	8744	0.04	0.19	0.00	1.00
R11BULKY	8196	0.03	0.16	0.00	1.00
R12BULKY	7674	0.03	0.17	0.00	1.00
R13BULKY	8054	0.03	0.16	0.00	1.00
R14BULKY	7024	0.03	0.16	0.00	1.00
S8BULKY	4950	0.04	0.21	0.00	1.00
S9BULKY	4185	0.05	0.21	0.00	1.00
S10BULKY	5550	0.04	0.19	0.00	1.00
S11BULKY	5089	0.03	0.16	0.00	1.00
S12BULKY	4692	0.03	0.17	0.00	1.00
S13BULKY	4723	0.02	0.15	0.00	1.00
S14BULKY	4008	0.02	0.15	0.00	1.00

### Categorical Variable Codes

Value-----	R7MBMICAT	R8MBMICAT	R9MBMICAT	R10MBMICAT
.d:DK		14		2
.m:Missing		81	65	155
.n:Not willing/able	151	558	401	431
.s:Skipped	19463	10675	10286	13030
.x:Tried but was unable		13	11	7
1.underweight, less than 18	10	66	58	86
2.Normal weight, 18.5 to 24	148	1730	1536	1722
3.pre-obesity, 25 to 29.9	176	2606	2309	2952
4.obesity class 1, 30 to 34	116	1709	1520	2151
5.obesity class 2, 35 to 39	46	704	675	943
6.obesity class 3, greater	19	313	356	555
Value-----	R11MBMICAT	R12MBMICAT	R13MBMICAT	R14MBMICAT
.d:DK	1	1	7	28
.m:Missing	127	117		94
.n:Not willing/able	431	375	449	394

.r:Refuse				1	13
.s:Skipped	12039	10749	12705	9863	
.x:Tried but was unable	3	1	1	1	
1.underweight, less than 18	93	78	84	75	
2.Normal weight, 18.5 to 24	1708	1533	1472	1297	
3.pre-obesity, 25 to 29.9	2720	2581	2650	2318	
4.obesity class 1, 30 to 34	2017	1908	1986	1713	
5.obesity class 2, 35 to 39	927	898	1003	869	
6.obesity class 3, greater	488	506	554	481	
Value-----	S7MBMICAT	S8MBMICAT	S9MBMICAT	S10MBMICAT	
.d:DK		10		2	
.m:Missing		55	43	96	
.n:Not willing/able		92	314	203	258
.s:Skipped	12551	6557	6303	7823	
.u:not coupled	6781	6424	6212	7804	
.v:SP NR	380	317	365	722	
.x:Tried but was unable		4	7	1	
1.underweight, less than 18		4	30	31	
2.Normal weight, 18.5 to 24		89	1099	892	1046
3.pre-obesity, 25 to 29.9		115	1838	1534	1901
4.obesity class 1, 30 to 34		78	1151	990	1426
5.obesity class 2, 35 to 39		28	464	448	592
6.obesity class 3, greater		11	206	190	332
Value-----	S11MBMICAT	S12MBMICAT	S13MBMICAT	S14MBMICAT	
.d:DK	1	1	4	5	
.m:Missing	76	71		55	
.n:Not willing/able	209	196	216	183	
.r:Refuse			1	6	
.s:Skipped	7243	6151	7006	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
.x:Tried but was unable	1		1		
1.underweight, less than 18	50	31	37	31	
2.Normal weight, 18.5 to 24	1001	858	796	674	
3.pre-obesity, 25 to 29.9	1748	1644	1615	1377	
4.obesity class 1, 30 to 34	1300	1204	1246	1025	
5.obesity class 2, 35 to 39	554	565	584	508	
6.obesity class 3, greater	293	291	272	268	
Value-----	R7MOBESE	R8MOBESE	R9MOBESE	R10MOBESE	
.d:DK		14		2	
.m:Missing		81	65	155	
.n:Not willing/able		151	558	401	431
.s:Skipped	19463	10675	10286	13030	
.x:Tried but was unable		13	11	7	
0.no		334	4402	3903	4760
1.yes		181	2726	2551	3649
Value-----	R11MOBESE	R12MOBESE	R13MOBESE	R14MOBESE	
.d:DK	1	1	7	28	
.m:Missing	127	117		94	
.n:Not willing/able	431	375	449	394	
.r:Refuse			1	13	
.s:Skipped	12039	10749	12705	9863	
.x:Tried but was unable	3	1	1	1	
0.no	4521	4192	4206	3690	
1.yes	3432	3312	3543	3063	
Value-----	S7MOBESE	S8MOBESE	S9MOBESE	S10MOBESE	
.d:DK		10		2	
.m:Missing		55	43	96	
.n:Not willing/able		92	314	203	258
.s:Skipped	12551	6557	6303	7823	
.u:not coupled	6781	6424	6212	7804	
.v:SP NR	380	317	365	722	
.x:Tried but was unable		4	7	1	
0.no		208	2967	2456	2978
1.yes		117	1821	1628	2350
Value-----	S11MOBESE	S12MOBESE	S13MOBESE	S14MOBESE	
.d:DK	1	1	4	5	
.m:Missing	76	71		55	
.n:Not willing/able	209	196	216	183	
.r:Refuse			1	6	

.s:Skipped	7243	6151	7006	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
.x:Tried but was unable	1		1		
0.no	2799	2533	2448	2082	
1.yes	2147	2060	2102	1801	
Value-----		R7HTCOMP	R8HTCOMP	R9HTCOMP	R10HTCOMP
.m:Missing			6	5	26
.s:Skipped		19454	10675	10286	13030
0.no		95	359	252	200
1.yes		580	7429	6674	8778
Value-----	R11HTCOMP	R12HTCOMP	R13HTCOMP	R14HTCOMP	
.m:Missing	3	4		2	
.s:Skipped	12039	10749	12597	9863	
0.no	266	275	256	261	
1.yes	8246	7719	8059	7020	
Value-----		S7HTCOMP	S8HTCOMP	S9HTCOMP	S10HTCOMP
.m:Missing			2	2	11
.s:Skipped		12546	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		52	184	122	104
1.yes		370	4985	4213	5570
Value-----	S11HTCOMP	S12HTCOMP	S13HTCOMP	S14HTCOMP	
.m:Missing	1	1			
.s:Skipped	7243	6151	6938	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	113	137	110	114	
1.yes	5119	4723	4730	4018	
Value-----		R7WTCOMP	R8WTCOMP	R9WTCOMP	R10WTCOMP
.m:Missing			89	74	159
.s:Skipped		19465	10675	10286	13030
0.no		144	502	350	369
1.yes		520	7203	6507	8476
Value-----	R11WTCOMP	R12WTCOMP	R13WTCOMP	R14WTCOMP	
.m:Missing	139	126		94	
.s:Skipped	12039	10749	12701	9863	
0.no	364	323	421	356	
1.yes	8012	7549	7790	6833	
Value-----		S7WTCOMP	S8WTCOMP	S9WTCOMP	S10WTCOMP
.m:Missing			56	48	99
.s:Skipped		12553	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		87	284	182	218
1.yes		328	4831	4107	5368
Value-----	S11WTCOMP	S12WTCOMP	S13WTCOMP	S14WTCOMP	
.m:Missing	83	76		55	
.s:Skipped	7243	6151	7005	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	176	176	204	167	
1.yes	4974	4609	4569	3910	
Value-----			R8WATCOMP	R9WATCOMP	R10WATCOMP
.m:Missing			6	5	26
.s:Skipped			10675	10286	13030
0.no			424	287	233
1.yes			7364	6639	8745
Value-----	R11WATCOMP	R12WATCOMP	R13WATCOMP	R14WATCOMP	
.m:Missing	3	4		2	
.s:Skipped	12039	10749	12598	9864	
0.no	316	259	255	255	
1.yes	8196	7735	8059	7025	
Value-----			S8WATCOMP	S9WATCOMP	S10WATCOMP

.m:Missing				2	2	11
.s:Skipped				6557	6303	7823
.u:not coupled				6424	6212	7804
.v:SP NR				317	365	722
0.no				219	150	124
1.yes				4950	4185	5550

Value-----		S11WATCOMP	S12WATCOMP	S13WATCOMP	S14WATCOMP
.m:Missing		1	1		
.s:Skipped		7243	6151	6939	5227
.u:not coupled		7483	7125	8025	6684
.v:SP NR		595	610	1109	1104
0.no		143	135	115	122
1.yes		5089	4725	4724	4009

Value-----			R8HTCOMPL	R9HTCOMPL	R10HTCOMPL
.m:Missing			6	5	26
.n:Not willing/able			359	252	200
.s:Skipped			10675	10286	13030
1.compliant			7405	6650	8754
2.justified non-compliant			12	15	16
3.unjustified non-compliant			12	9	8

Value-----		R11HTCOMPL
.m:Missing		3
.n:Not willing/able		266
.s:Skipped		12039
1.compliant		8217
2.justified non-compliant		26
3.unjustified non-compliant		3

Value-----		S8HTCOMPL	S9HTCOMPL	S10HTCOMPL
.m:Missing		2	2	11
.n:Not willing/able		184	122	104
.s:Skipped		6557	6303	7823
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
1.compliant		4970	4198	5560
2.justified non-compliant		5	10	6
3.unjustified non-compliant		10	5	4

Value-----		S11HTCOMPL
.m:Missing		1
.n:Not willing/able		113
.s:Skipped		7243
.u:not coupled		7483
.v:SP NR		595
1.compliant		5108
2.justified non-compliant		11

Value-----		R8WTCOMPL	R9WTCOMPL	R10WTCOMPL
.m:Missing		89	74	159
.n:Not willing/able		502	350	369
.s:Skipped		10675	10286	13030
1.compliant		7184	6497	8456
2.justified non-compliant		10	8	9
3.unjustified non-compliant		9	2	11

Value-----		R11WTCOMPL
.m:Missing		139
.n:Not willing/able		364
.s:Skipped		12039
1.compliant		7988
2.justified non-compliant		22
3.unjustified non-compliant		2

Value-----		S8WTCOMPL	S9WTCOMPL	S10WTCOMPL
.m:Missing		56	48	99
.n:Not willing/able		284	182	218
.s:Skipped		6557	6303	7823
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
1.compliant		4819	4102	5358
2.justified non-compliant		6	3	5
3.unjustified non-compliant		6	2	5

Value-----	S11WTCOMPL
.m:Missing	83
.n:Not willing/able	176
.s:Skipped	7243
.u:not coupled	7483
.v:SP NR	595
1.compliant	4964
2.justified non-compliant	10

Value-----	R8WATCOMPL	R9WATCOMPL	R10WATCOMPL
.m:Missing	7	6	27
.n:Not willing/able	424	287	233
.s:Skipped	10675	10286	13030
1.compliant	7348	6625	8731
2.justified non-compliant	12	12	9
3.unjustified non-compliant	3	1	4

Value-----	R11WATCOMPL
.m:Missing	3
.n:Not willing/able	316
.s:Skipped	12039
1.compliant	8175
2.justified non-compliant	17
3.unjustified non-compliant	4

Value-----	S8WATCOMPL	S9WATCOMPL	S10WATCOMPL
.m:Missing	2	2	11
.n:Not willing/able	219	150	124
.s:Skipped	6557	6303	7823
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.compliant	4941	4176	5544
2.justified non-compliant	6	8	4
3.unjustified non-compliant	3	1	2

Value-----	S11WATCOMPL
.m:Missing	1
.n:Not willing/able	143
.s:Skipped	7243
.u:not coupled	7483
.v:SP NR	595
1.compliant	5077
2.justified non-compliant	10
3.unjustified non-compliant	2

Value-----	R7HTFLR	R8HTFLR	R9HTFLR	R10HTFLR
.d:DK	3	3	9	1
.m:Missing	1	7	5	26
.n:Not willing/able	95	359	252	200
.s:Skipped	19455	10675	10286	13030
1.Linoleum/Tile/Wood	394	5218	4785	6628
2.Low-Pile Carpet	155	1962	1687	1922
3.High-Pile Carpet	11	122	88	79
4.Concrete	16	118	94	136
5.Other	2	5	11	12

Value-----	R11HTFLR
.d:DK	8
.m:Missing	21855
.n:Not willing/able	266
.s:Skipped	12039
1.Linoleum/Tile/Wood	6284
2.Low-Pile Carpet	1645
3.High-Pile Carpet	108
4.Concrete	177
5.Other	24

Value-----	S7HTFLR	S8HTFLR	S9HTFLR	S10HTFLR
.d:DK	2	2	5	1
.m:Missing	1	3	2	11
.n:Not willing/able	52	184	122	104
.s:Skipped	12547	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
1.Linoleum/Tile/Wood	252	3660	3170	4350
2.Low-Pile Carpet	97	1167	926	1096

3.High-Pile Carpet	6	78	52	38
4.Concrete	13	74	53	78
5.Other		3	7	7

Value-----	S11HTFLR
.d:DK	6
.m:Missing	1
.n:Not willing/able	113
.s:Skipped	7243
.u:not coupled	7483
.v:SP NR	595
1.Linoleum/Tile/Wood	4098
2.Low-Pile Carpet	844
3.High-Pile Carpet	61
4.Concrete	106
5.Other	4

Value-----	R7WTFLR	R8WTFLR	R9WTFLR	R10WTFLR
.d:DK		5	5	10
.m:Missing	1	89	74	20531
.n:Not willing/able	144	502	350	369
.s:Skipped	19466	10675	10286	13030
1.Linoleum/Tile/Wood	428	6042	5494	7459
2.Low-Pile Carpet	72	983	869	825
3.High-Pile Carpet	1	49	26	28
4.Concrete	15	121	105	142
5.Other	2	3	8	12

Value-----	R11WTFLR	R12WTFLR	R13WTFLR	R14WTFLR
.d:DK	7	5	9	1
.m:Missing	21991	23786		95
.n:Not willing/able	364	323	422	357
.r:Refuse				1
.s:Skipped	12039	10749	12702	9863
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	209	87	195	159
5.Other	7	34	10	3

Value-----	S7WTFLR	S8WTFLR	S9WTFLR	S10WTFLR
.d:DK		5	3	4
.m:Missing	1	56	48	99
.n:Not willing/able	87	284	182	218
.s:Skipped	12554	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
1.Linoleum/Tile/Wood	271	4127	3570	4828
2.Low-Pile Carpet	42	587	460	432
3.High-Pile Carpet	1	33	13	16
4.Concrete	12	77	57	82
5.Other		2	4	6

Value-----	S11WTFLR	S12WTFLR	S13WTFLR	S14WTFLR
.d:DK	6	3	2	
.m:Missing	83	76		55
.n:Not willing/able	176	176	205	167
.s:Skipped	7243	6151	7006	5226
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
1.Linoleum/Tile/Wood	4579	4274	4123	3589
2.Low-Pile Carpet	262	249	326	231
3.High-Pile Carpet	3	14	20	15
4.Concrete	121	52	90	74
5.Other	3	17	6	1

Value-----	R7SHOEH	R8SHOEH	R9SHOEH	R10SHOEH
.m:Missing	1	6	5	26
.n:Not willing/able	95	359	252	200
.s:Skipped	19455	10675	10286	13030
0.no	399	6458	5891	8242
1.yes	179	971	783	536

Value-----	R11SHOEH	R12SHOEH	R13SHOEH	R14SHOEH
.m:Missing	3	4		2
.n:Not willing/able	266	280	257	261



.s:Skipped	12039	10749	12599	9863	
0.no	7581	7393	7653	6703	
1.yes	665	321	403	317	
Value-----		S7SHOEH	S8SHOEH	S9SHOEH	S10SHOEH
.m:Missing		1	2	2	11
.n:Not willing/able		52	184	122	104
.s:Skipped		12547	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		256	4368	3771	5257
1.yes		112	617	442	313
Value-----	S11SHOEH	S12SHOEH	S13SHOEH	S14SHOEH	
.m:Missing	1	1			
.n:Not willing/able	113	141	111	114	
.s:Skipped	7243	6151	6939	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	4755	4550	4524	3864	
1.yes	364	169	204	154	
Value-----		R7SHOEW	R8SHOEW	R9SHOEW	R10SHOEW
.m:Missing		1	89	74	159
.n:Not willing/able		144	502	350	369
.s:Skipped		19466	10675	10286	13030
0.no		388	6425	5865	8048
1.yes		130	778	642	428
Value-----	R11SHOEW	R12SHOEW	R13SHOEW	R14SHOEW	
.m:Missing	139	127		95	
.n:Not willing/able	364	327	424	357	
.s:Skipped	12039	10749	12705	9863	
0.no	7487	7264	7398	6549	
1.yes	525	280	385	282	
Value-----		S7SHOEW	S8SHOEW	S9SHOEW	S10SHOEW
.m:Missing		1	56	48	99
.n:Not willing/able		87	284	182	218
.s:Skipped		12554	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		245	4331	3746	5123
1.yes		81	500	361	245
Value-----	S11SHOEW	S12SHOEW	S13SHOEW	S14SHOEW	
.m:Missing	83	76		55	
.n:Not willing/able	176	179	205	167	
.s:Skipped	7243	6151	7007	5226	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	4678	4457	4351	3771	
1.yes	296	149	215	139	
Value-----			R8BULKY	R9BULKY	R10BULKY
.m:Missing			7	6	27
.n:Not willing/able			424	287	233
.s:Skipped			10675	10286	13030
0.no			7000	6301	8399
1.yes			363	337	345
Value-----	R11BULKY	R12BULKY	R13BULKY	R14BULKY	
.d:DK		1			
.m:Missing	3	5		3	
.n:Not willing/able	316	318	257	255	
.s:Skipped	12039	10749	12601	9864	
0.no	7972	7453	7846	6844	
1.yes	224	221	208	180	
Value-----			S8BULKY	S9BULKY	S10BULKY
.m:Missing			2	2	11
.n:Not willing/able			219	150	124
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			4730	3991	5345

	220	194	205
1.yes			
Value-----	S11BULKY	S12BULKY	S13BULKY
.d:DK		1	
.m:Missing	1	1	1
.n:Not willing/able	143	167	115
.s:Skipped	7243	6151	6940
.u:not coupled	7483	7125	8025
.v:SP NR	595	610	1109
0.no	4959	4560	4617
1.yes	130	132	106

## How Constructed:

RwMHEIGHT, RwMWEIGHT and RwMWAIST indicate the respondent's measured height in meters, measured weight in kilograms and measured waist circumference in centimeters, respectively. In the HRS, height is collected in inches and converted to meters. If the reported height is between 4 and 7, then we assume that their height has been reported in feet rather than inches and is converted to meters. Weight is collected in pounds and converted to kilograms. Waist circumference is collected in inches and converted to centimeters. RwMBMI is the respondent's body mass index and it is derived by dividing the respondent's measured weight (kg) by the squared value of their measured height. Don't know, refused, or other missing responses of height, weight and waist measurements are assigned special missing codes .d, .r, .m, respectively. Special missing .x is assigned if the respondent tried to do the test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete the measurements due to safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. In Wave 7, special missing .s is also assigned if the respondent was not selected for the height or weight measurements. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwMHEIGHT, SwMWEIGHT, SwMWAIST and SwMBMI indicate the measured height, weight, waist circumference, and body mass index of the current wave's spouse, respectively. Their values are taken from the spouse's values to RwMHEIGHT, RwMWEIGHT, RwMWAIST and RwMBMI. In addition to the special missing codes used for RwMHEIGHT, RwMWEIGHT, RwMWAIST and RwMBMI, SwMHEIGHT, SwMWEIGHT, SwMWAIST and SwMBMI employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that some extreme values may be present in RwMHEIGHT, RwMWEIGHT, RwMWAIST, and RwMBMI and have been left to the discretion of the user. It may be useful to reference the following document for further consideration: [Physical Measures And Biomarkers](#).

RwMBMICAT indicates the respondent's measured BMI category according to WHO standards. RwMBMICAT is coded as follows: 1.underweight, less than 18.5, 2.normal weight, 18.5 to 24.9, 3.pre-obesity, 25 to 25.9, 4.obesity class 1, 30 to 34.9, 5.obesity class 2, 35 to 39.9, 6.obesity class 3, greater than 40. RwMOBESE indicates whether the respondent's BMI is categorized as measured obese, meaning a BMI of 30 or greater. RwMOBESE is coded as 0.no, and 1.yes. Don't know, refused, or other missing responses of RwMBMICAT and RwMOBESE are assigned special missing codes .d, .r, and .m, respectively. Special missing .x is assigned if the respondent tried to do the height or weight test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete either one of the height or weight measurements due to safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. In Wave 7, special missing .s is also assigned if the respondent was not selected for the height or weight measurements. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwBMICAT and SwOBESE indicate the respondent's current wave's spouse's reported BMI category and obesity status, and are taken from RwBMICAT and RwOBESE. In addition to the special missing codes employed by RwBMICAT and RwOBESE, SwBMICAT and SwOBESE employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHTCOMP indicates whether the respondent was willing and able to complete the height measurement. RwWTCOMP indicates whether the respondent was willing and able to complete the weight measurement.

RwWATCOMP indicates whether the respondent was willing and able to complete the waist circumference measurement. RwHTCOMP, RwWTCOMP, and RwWATCOMP are coded as 1 if the respondent understood the directions for the measurement, felt it was safe to participate in the test, the respondent was able to stand, and the respondent completed the measurement. RwHTCOMP, RwWTCOMP, and RwWATCOMP are coded as 0 if the respondent did not understand the directions, did not feel it would be safe to participate in the test, or the respondent did not complete the measurement. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. In Wave 7, special missing .s is also assigned if the respondent was not selected for the height measurement. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwHTCOMP indicates whether the respondent's current wave's spouse was willing and able to complete the height measurement, and its values are taken from RwHTCOMP. SwWTCOMP indicates whether the respondent's current wave's spouse was willing and able to complete the weight measurement, and its values are taken from RwWTCOMP. SwWATCOMP indicates whether the respondent's current wave's spouse was willing and able to complete the waist circumference measurement, and its values are taken from RwWATCOMP. In addition to the special missing codes employed by RwHTCOMP, RwWTCOMP, and RwWATCOMP, SwHTCOMP, SwWTCOMP, and SwWATCOMP employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHTCOMPL, RwWTCOMPL and RwWATCOMPL indicate, respectively, the level of compliance displayed by the respondent during the height, weight and waist measurements. RwHTCOMPL, RwWTCOMPL and RwWATCOMPL are coded as follows: 1.compliant if respondents are fully compliant, 2.justified non-compliant if their non-compliance is justified by illness, pain or other symptoms or discomfort and 3.unjustified non-compliant if their non-compliance is due to no obvious reason. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the height, weight or waist measurement due to a variety of reasons, including safety concerns, or the respondent did not understand the instructions. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. RwHTCOMPL, RwWTCOMPL and RwWATCOMPL are set to plain missing (.) for respondents who did not respond to the current wave.

SwHTCOMPL, SwWTCOMPL and SwWATCOMPL indicate, respectively, the respondent's current wave's spouse's compliance level during the height, weight and waist measurements, and are taken from RwHTCOMPL, RwWTCOMPL and RwWATCOMPL. In addition to the special missing codes employed by RwHTCOMPL, RwWTCOMPL and RwWATCOMPL, SwHTCOMPL, SwWTCOMPL and SwWATCOMPL employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHTFLR indicates the type of floor surface the respondent was standing on when the height measurement was taken. RwWTFLR indicates the type of floor surface the scale was placed on when weight measurement was taken. RwHTFLR and RwWTFLR are coded as follows: 1.linoleum/tile/wood, 2.low-pile carpet, 3.high-pile carpet, 4.concrete, 5.other. RwHTFLR is not available from Wave 12 onwards. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .n is assigned if the respondent did not complete the measurements due to safety concerns. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. In Wave 7, special missing .s is also assigned if the respondent was not selected for the height measurement. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwHTFLR indicates the type of floor surface the respondent's current wave's spouse was standing on for the height measurement, and its values are taken from RwHTFLR. SwWTFLR indicates the type of floor surface the scale was placed on for the respondent's current wave's spouse's weight measurement, and its values are taken from RwWTFLR. In addition to the special missing codes employed by RwHTFLR and RwWTFLR, SwHTFLR and SwWTFLR employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSHOEH and RwSHOEW indicate whether the respondent was wearing shoes during the height measurement and the weight measurement, respectively. RwSHOEH and RwSHOEW are coded as 1 if the respondent was wearing shoes, while a 0 indicates the respondent was not wearing shoes. RwbULKY indicates whether the respondent was wearing bulky clothes during the waist circumference measurement. RwbULKY is coded as 1 if the respondent was wearing bulky clothes, while a 0 indicates that they were not wearing bulky clothes during the waist circumference measurement. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Special missing .s is assigned if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. In Wave 7, special missing .s is also assigned if the respondent was not selected for the height or weight measurements. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSHOEH and SwSHOEW indicate whether the current wave's spouse was wearing shoes during the height measurement and weight measurement, respectively. SwBULKY indicates whether the current wave's spouse was wearing bulky cloths during the waist circumference measurement. Their values are taken from the spouse's values to RwSHOEH, RwSHOEW and RwbULKY. In addition to the special missing codes used for RwSHOEH, RwSHOEW and RwbULKY, SwSHOEH, SwSHOEW and SwBULKY employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

Physical measure tests began in Wave 7, but they were only given to a random subsample of approximately 3300 respondents. Of this subsample, smaller subsamples were given the height or weight measurements. Height and weight measurements were given to a larger sample of respondents starting in Wave 8.

Waist circumference was not measured until Wave 8.

If the respondent was selected for some physical measures but not the height or weight measurements in Wave 7, then special missing .s is assigned.

Starting in Wave 12, there are additional screening questions asking about the respondent's understanding of the directions and feelings of safety in completing these measurements which determine whether the respondent participates in the height, weight, and waist measurements.

The interviewer is no longer asked to report the type of floor the respondent's height was measured on starting in Wave 12.

RwHTCOMPL, RwwTCOMPL and RwwATCOMPL are available starting in Wave 8 until Wave 11.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

### HRS Variables Used:

#### Wave 7:

JA009	proxy/self interview
JA028	r in nursing home
JI800	physical measures ftf iw
JI801	certified physical measures
JI802	physical measures consent form
JI831	r height
JI834	height measurement
JI835	height measurment- floor surface
JI837	height measurement- r wearing shoes
JI838	able to measure weight
JI841	r weight- pounds
JI842	weight- floor surface
JI844	weight- wearing shoes
JZ227	selected phy measures module

#### Wave 8:

KA028	r in nursing home
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KI800 physical measures ftf iw  
KI802 physical measures consent form  
KI831 measure r height  
KI834 height measurment  
KI835 height floor surface  
KI837 height wearing shoes  
KI838 weight able to measure  
KI841 weight pounds measurment  
KI842 weight floor surface  
KI844 weight wearing shoes  
KI903 height compliance  
KI904 waist complete  
KI904 waist complete  
KI907 waist measurment  
KI907 waist measurment  
KI910 waist compliance  
KI912 waist bulky clothes  
KI947 weight compliance

## Wave 9:

LA028 r in nursing home  
LI800 physical measures ftf iw  
LI802 physical measures consent form  
LI831 measure r height  
LI834 height measurment  
LI835 height floor surface  
LI837 height wearing shoes  
LI838 weight able to measure  
LI841 weight pounds measurment  
LI842 weight floor surface  
LI844 weight wearing shoes  
LI903 height compliance  
LI904 waist complete  
LI904 waist complete  
LI907 waist measurment  
LI907 waist measurment  
LI910 waist compliance  
LI912 waist bulky clothes  
LI947 weight compliance

## Wave 10:

MA028 r in nursing home  
MI800 physical measures ftf iw  
MI802 physical measures consent  
MI831 measure r height  
MI834 height measurment  
MI835 height floor surface  
MI837 height wearing shoes  
MI838 weight able to measure  
MI841 weight pounds measurment  
MI842 weight floor surface  
MI844 weight wearing shoes  
MI903 height compliance  
MI904 waist complete  
MI904 waist complete  
MI907 waist measurment  
MI907 waist measurment  
MI910 waist compliance  
MI912 waist bulky clothes  
MI947 weight compliance

## Wave 11:

NA028 r in nursing home  
NI800 physical measures ftf iw  
NI802 physical measures consent  
NI831 measure r height

NI834 height measurement  
 NI835 height floor surface  
 NI837 height wearing shoes  
 NI838 weight able to measure  
 NI841 weight pounds measurement  
 NI842 weight floor surface  
 NI844 weight wearing shoes  
 NI903 height compliance  
 NI904 waist complete  
 NI904 waist complete  
 NI907 waist measurement  
 NI907 waist measurement  
 NI910 waist compliance  
 NI912 waist bulky clothes  
 NI947 weight compliance

## Wave 12:

OA028 r in nursing home  
 OI636 waist measurement screening question  
 OI800 physical measures ftf iw  
 OI802 physical measures consent  
 OI831 measure r height  
 OI834 height measurement  
 OI837 height wearing shoes  
 OI838 weight able to measure  
 OI841 weight pounds measurement  
 OI842 weight floor surface  
 OI844 weight wearing shoes  
 OI904 waist complete  
 OI904 waist complete  
 OI907 waist measurement  
 OI907 waist measurement  
 OI912 waist bulky clothes  
 OI980 height safety question  
 OI982 r understanding of weight measurement procedure  
 OI985 r understanding of waist measurement procedure

## Wave 13:

PA028 r in nursing home  
 PI687M1 r felt safe to do other phys measures - 1  
 PI687M2 r felt safe to do other phys measures - 2  
 PI687M3 r felt safe to do other phys measures - 3  
 PI687M4 r felt safe to do other phys measures - 4  
 PI800 physical measures ftf iw  
 PI802 physical measures consent  
 PI831 measure r height  
 PI834 height measurement  
 PI837 height wearing shoes  
 PI838 weight able to measure  
 PI841 weight pounds measurement  
 PI842 weight floor surface  
 PI844 weight wearing shoes  
 PI904 waist complete  
 PI904 waist complete  
 PI907 waist measurement  
 PI907 waist measurement  
 PI912 waist bulky clothes  
 PI980 height safety question  
 PI982 r felt safe to do waist measurement  
 PI985 r understanding of waist measurement procedure

## Wave 14:

QA028 r in nursing home  
 QI687M1 r felt safe to do other phys measures - 1  
 QI687M2 r felt safe to do other phys measures - 2  
 QI687M3 r felt safe to do other phys measures - 3

QI800	physical measures ftf iw
QI802	physical measures consent
QI831	measure r height
QI834	height measurment
QI837	height wearing shoes
QI838	weight able to measure
QI841	weight pounds measurment
QI842	weight floor surface
QI844	weight wearing shoes
QI904	waist complete
QI904	waist complete
QI907	waist measurment
QI907	waist measurment
QI912	waist bulky clothes

<b>Height, Weight, and Waist Circumference Measurements: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
07	R7HGHTSFT	r7hgchtsft:w7 r didn't complete height: unsafe/health reason	Categ
08	R8HGHTSFT	r8hgchtsft:w8 r didn't complete height: unsafe/health reason	Categ
09	R9HGHTSFT	r9hgchtsft:w9 r didn't complete height: unsafe/health reason	Categ
10	R10HGHTSFT	r10hgchtsft:w10 r didn't complete height: unsafe/health reason	Categ
11	R11HGHTSFT	r11hgchtsft:w11 r didn't complete height: unsafe/health reason	Categ
12	R12HGHTSFT	r12hgchtsft:w12 r didn't complete height: unsafe/health reason	Categ
13	R13HGHTSFT	r13hgchtsft:w13 r didn't complete height: unsafe/health reason	Categ
14	R14HGHTSFT	r14hgchtsft:w14 r didn't complete height: unsafe/health reason	Categ
07	S7HGHTSFT	s7hgchtsft:w7 s didn't complete height: unsafe/health reason	Categ
08	S8HGHTSFT	s8hgchtsft:w8 s didn't complete height: unsafe/health reason	Categ
09	S9HGHTSFT	s9hgchtsft:w9 s didn't complete height: unsafe/health reason	Categ
10	S10HGHTSFT	s10hgchtsft:w10 s didn't complete height: unsafe/health reason	Categ
11	S11HGHTSFT	s11hgchtsft:w11 s didn't complete height: unsafe/health reason	Categ
12	S12HGHTSFT	s12hgchtsft:w12 s didn't complete height: unsafe/health reason	Categ
13	S13HGHTSFT	s13hgchtsft:w13 s didn't complete height: unsafe/health reason	Categ
14	S14HGHTSFT	s14hgchtsft:w14 s didn't complete height: unsafe/health reason	Categ
07	R7HGHTREF	r7hgghtref:w7 r didn't complete height: refused	Categ
08	R8HGHTREF	r8hgghtref:w8 r didn't complete height: refused	Categ
09	R9HGHTREF	r9hgghtref:w9 r didn't complete height: refused	Categ
10	R10HGHTREF	r10hgghtref:w10 r didn't complete height: refused	Categ
11	R11HGHTREF	r11hgghtref:w11 r didn't complete height: refused	Categ
12	R12HGHTREF	r12hgghtref:w12 r didn't complete height: refused	Categ
13	R13HGHTREF	r13hgghtref:w13 r didn't complete height: refused	Categ
14	R14HGHTREF	r14hgghtref:w14 r didn't complete height: refused	Categ
07	S7HGHTREF	s7hgghtref:w7 s didn't complete height: refused	Categ
08	S8HGHTREF	s8hgghtref:w8 s didn't complete height: refused	Categ
09	S9HGHTREF	s9hgghtref:w9 s didn't complete height: refused	Categ
10	S10HGHTREF	s10hgghtref:w10 s didn't complete height: refused	Categ
11	S11HGHTREF	s11hgghtref:w11 s didn't complete height: refused	Categ
12	S12HGHTREF	s12hgghtref:w12 s didn't complete height: refused	Categ
13	S13HGHTREF	s13hgghtref:w13 s didn't complete height: refused	Categ
14	S14HGHTREF	s14hgghtref:w14 s didn't complete height: refused	Categ
07	R7HGHTTRYU	r7hgghttryu:w7 r didn't complete height: tried but unable	Categ
08	R8HGHTTRYU	r8hgghttryu:w8 r didn't complete height: tried but unable	Categ
09	R9HGHTTRYU	r9hgghttryu:w9 r didn't complete height: tried but unable	Categ
10	R10HGHTTRYU	r10hgghttryu:w10 r didn't complete height: tried but unable	Categ
11	R11HGHTTRYU	r11hgghttryu:w11 r didn't complete height: tried but unable	Categ
12	R12HGHTTRYU	r12hgghttryu:w12 r didn't complete height: tried but unable	Categ
13	R13HGHTTRYU	r13hgghttryu:w13 r didn't complete height: tried but unable	Categ
14	R14HGHTTRYU	r14hgghttryu:w14 r didn't complete height: tried but unable	Categ
07	S7HGHTTRYU	s7hgghttryu:w7 s didn't complete height: tried but unable	Categ
08	S8HGHTTRYU	s8hgghttryu:w8 s didn't complete height: tried but unable	Categ
09	S9HGHTTRYU	s9hgghttryu:w9 s didn't complete height: tried but unable	Categ
10	S10HGHTTRYU	s10hgghttryu:w10 s didn't complete height: tried but unable	Categ
11	S11HGHTTRYU	s11hgghttryu:w11 s didn't complete height: tried but unable	Categ
12	S12HGHTTRYU	s12hgghttryu:w12 s didn't complete height: tried but unable	Categ
13	S13HGHTTRYU	s13hgghttryu:w13 s didn't complete height: tried but unable	Categ
14	S14HGHTTRYU	s14hgghttryu:w14 s didn't complete height: tried but unable	Categ
07	R7HGHTEQUP	r7hgghtequip:w7 r didn't complete height: faulty equipment/spa	Categ
08	R8HGHTEQUP	r8hgghtequip:w8 r didn't complete height: faulty equipment/spa	Categ
09	R9HGHTEQUP	r9hgghtequip:w9 r didn't complete height: faulty equipment/spa	Categ



10	R10HGTEQUP	r10hgtequp:w10	r didn't complete height: faulty equipment/s	Categ
11	R11HGTEQUP	r11hgtequp:w11	r didn't complete height: faulty equipment/s	Categ
12	R12HGTEQUP	r12hgtequp:w12	r didn't complete height: faulty equipment/s	Categ
13	R13HGTEQUP	r13hgtequp:w13	r didn't complete height: faulty equipment/s	Categ
14	R14HGTEQUP	r14hgtequp:w14	r didn't complete height: faulty equipment/s	Categ
07	S7HGTEQUP	s7hgtequp:w7	s didn't complete height: faulty equipment/spa	Categ
08	S8HGTEQUP	s8hgtequp:w8	s didn't complete height: faulty equipment/spa	Categ
09	S9HGTEQUP	s9hgtequp:w9	s didn't complete height: faulty equipment/spa	Categ
10	S10HGTEQUP	s10hgtequp:w10	s didn't complete height: faulty equipment/s	Categ
11	S11HGTEQUP	s11hgtequp:w11	s didn't complete height: faulty equipment/s	Categ
12	S12HGTEQUP	s12hgtequp:w12	s didn't complete height: faulty equipment/s	Categ
13	S13HGTEQUP	s13hgtequp:w13	s didn't complete height: faulty equipment/s	Categ
14	S14HGTEQUP	s14hgtequp:w14	s didn't complete height: faulty equipment/s	Categ
07	R7HGHTOTHR	r7hgthtothr:w7	r didn't complete height: other reason	Categ
08	R8HGHTOTHR	r8hgthtothr:w8	r didn't complete height: other reason	Categ
09	R9HGHTOTHR	r9hgthtothr:w9	r didn't complete height: other reason	Categ
10	R10HGHTOTHR	r10hgthtothr:w10	r didn't complete height: other reason	Categ
11	R11HGHTOTHR	r11hgthtothr:w11	r didn't complete height: other reason	Categ
12	R12HGHTOTHR	r12hgthtothr:w12	r didn't complete height: other reason	Categ
13	R13HGHTOTHR	r13hgthtothr:w13	r didn't complete height: other reason	Categ
14	R14HGHTOTHR	r14hgthtothr:w14	r didn't complete height: other reason	Categ
07	S7HGHTOTHR	s7hgthtothr:w7	s didn't complete height: other reason	Categ
08	S8HGHTOTHR	s8hgthtothr:w8	s didn't complete height: other reason	Categ
09	S9HGHTOTHR	s9hgthtothr:w9	s didn't complete height: other reason	Categ
10	S10HGHTOTHR	s10hgthtothr:w10	s didn't complete height: other reason	Categ
11	S11HGHTOTHR	s11hgthtothr:w11	s didn't complete height: other reason	Categ
12	S12HGHTOTHR	s12hgthtothr:w12	s didn't complete height: other reason	Categ
13	S13HGHTOTHR	s13hgthtothr:w13	s didn't complete height: other reason	Categ
14	S14HGHTOTHR	s14hgthtothr:w14	s didn't complete height: other reason	Categ
07	R7WGHTSFT	r7wgthsft:w7	r didn't complete weight: unsafe/health reason	Categ
08	R8WGHTSFT	r8wgthsft:w8	r didn't complete weight: unsafe/health reason	Categ
09	R9WGHTSFT	r9wgthsft:w9	r didn't complete weight: unsafe/health reason	Categ
10	R10WGHTSFT	r10wgthsft:w10	r didn't complete weight: unsafe/health reason	Categ
11	R11WGHTSFT	r11wgthsft:w11	r didn't complete weight: unsafe/health reason	Categ
12	R12WGHTSFT	r12wgthsft:w12	r didn't complete weight: unsafe/health reason	Categ
13	R13WGHTSFT	r13wgthsft:w13	r didn't complete weight: unsafe/health reason	Categ
14	R14WGHTSFT	r14wgthsft:w14	r didn't complete weight: unsafe/health reason	Categ
07	S7WGHTSFT	s7wgthsft:w7	s didn't complete weight: unsafe/health reason	Categ
08	S8WGHTSFT	s8wgthsft:w8	s didn't complete weight: unsafe/health reason	Categ
09	S9WGHTSFT	s9wgthsft:w9	s didn't complete weight: unsafe/health reason	Categ
10	S10WGHTSFT	s10wgthsft:w10	s didn't complete weight: unsafe/health reason	Categ
11	S11WGHTSFT	s11wgthsft:w11	s didn't complete weight: unsafe/health reason	Categ
12	S12WGHTSFT	s12wgthsft:w12	s didn't complete weight: unsafe/health reason	Categ
13	S13WGHTSFT	s13wgthsft:w13	s didn't complete weight: unsafe/health reason	Categ
14	S14WGHTSFT	s14wgthsft:w14	s didn't complete weight: unsafe/health reason	Categ
07	R7WGHTREF	r7wghtref:w7	r didn't complete weight: refused	Categ
08	R8WGHTREF	r8wghtref:w8	r didn't complete weight: refused	Categ
09	R9WGHTREF	r9wghtref:w9	r didn't complete weight: refused	Categ
10	R10WGHTREF	r10wghtref:w10	r didn't complete weight: refused	Categ
11	R11WGHTREF	r11wghtref:w11	r didn't complete weight: refused	Categ
12	R12WGHTREF	r12wghtref:w12	r didn't complete weight: refused	Categ
13	R13WGHTREF	r13wghtref:w13	r didn't complete weight: refused	Categ
14	R14WGHTREF	r14wghtref:w14	r didn't complete weight: refused	Categ
07	S7WGHTREF	s7wghtref:w7	s didn't complete weight: refused	Categ
08	S8WGHTREF	s8wghtref:w8	s didn't complete weight: refused	Categ
09	S9WGHTREF	s9wghtref:w9	s didn't complete weight: refused	Categ

10	S10WGHTREF	s10wghtref:w10	s	didn't complete weight: refused	Categ
11	S11WGHTREF	s11wghtref:w11	s	didn't complete weight: refused	Categ
12	S12WGHTREF	s12wghtref:w12	s	didn't complete weight: refused	Categ
13	S13WGHTREF	s13wghtref:w13	s	didn't complete weight: refused	Categ
14	S14WGHTREF	s14wghtref:w14	s	didn't complete weight: refused	Categ
07	R7WGHTTRYU	r7wghttryu:w7	r	didn't complete weight: tried but unable	Categ
08	R8WGHTTRYU	r8wghttryu:w8	r	didn't complete weight: tried but unable	Categ
09	R9WGHTTRYU	r9wghttryu:w9	r	didn't complete weight: tried but unable	Categ
10	R10WGHTTRYU	r10wghttryu:w10	r	didn't complete weight: tried but unable	Categ
11	R11WGHTTRYU	r11wghttryu:w11	r	didn't complete weight: tried but unable	Categ
12	R12WGHTTRYU	r12wghttryu:w12	r	didn't complete weight: tried but unable	Categ
13	R13WGHTTRYU	r13wghttryu:w13	r	didn't complete weight: tried but unable	Categ
14	R14WGHTTRYU	r14wghttryu:w14	r	didn't complete weight: tried but unable	Categ
07	S7WGHTTRYU	s7wghttryu:w7	s	didn't complete weight: tried but unable	Categ
08	S8WGHTTRYU	s8wghttryu:w8	s	didn't complete weight: tried but unable	Categ
09	S9WGHTTRYU	s9wghttryu:w9	s	didn't complete weight: tried but unable	Categ
10	S10WGHTTRYU	s10wghttryu:w10	s	didn't complete weight: tried but unable	Categ
11	S11WGHTTRYU	s11wghttryu:w11	s	didn't complete weight: tried but unable	Categ
12	S12WGHTTRYU	s12wghttryu:w12	s	didn't complete weight: tried but unable	Categ
13	S13WGHTTRYU	s13wghttryu:w13	s	didn't complete weight: tried but unable	Categ
14	S14WGHTTRYU	s14wghttryu:w14	s	didn't complete weight: tried but unable	Categ
07	R7WGHTEQUP	r7wghtequp:w7	r	didn't complete weight: faulty equipment/spa	Categ
08	R8WGHTEQUP	r8wghtequp:w8	r	didn't complete weight: faulty equipment/spa	Categ
09	R9WGHTEQUP	r9wghtequp:w9	r	didn't complete weight: faulty equipment/spa	Categ
10	R10WGHTEQUP	r10wghtequp:w10	r	didn't complete weight: faulty equipment/s	Categ
11	R11WGHTEQUP	r11wghtequp:w11	r	didn't complete weight: faulty equipment/s	Categ
12	R12WGHTEQUP	r12wghtequp:w12	r	didn't complete weight: faulty equipment/s	Categ
13	R13WGHTEQUP	r13wghtequp:w13	r	didn't complete weight: faulty equipment/s	Categ
14	R14WGHTEQUP	r14wghtequp:w14	r	didn't complete weight: faulty equipment/s	Categ
07	S7WGHTEQUP	s7wghtequp:w7	s	didn't complete weight: faulty equipment/spa	Categ
08	S8WGHTEQUP	s8wghtequp:w8	s	didn't complete weight: faulty equipment/spa	Categ
09	S9WGHTEQUP	s9wghtequp:w9	s	didn't complete weight: faulty equipment/spa	Categ
10	S10WGHTEQUP	s10wghtequp:w10	s	didn't complete weight: faulty equipment/s	Categ
11	S11WGHTEQUP	s11wghtequp:w11	s	didn't complete weight: faulty equipment/s	Categ
12	S12WGHTEQUP	s12wghtequp:w12	s	didn't complete weight: faulty equipment/s	Categ
13	S13WGHTEQUP	s13wghtequp:w13	s	didn't complete weight: faulty equipment/s	Categ
14	S14WGHTEQUP	s14wghtequp:w14	s	didn't complete weight: faulty equipment/s	Categ
07	R7WGHTOTHR	r7wghtothr:w7	r	didn't complete weight: other reason	Categ
08	R8WGHTOTHR	r8wghtothr:w8	r	didn't complete weight: other reason	Categ
09	R9WGHTOTHR	r9wghtothr:w9	r	didn't complete weight: other reason	Categ
10	R10WGHTOTHR	r10wghtothr:w10	r	didn't complete weight: other reason	Categ
11	R11WGHTOTHR	r11wghtothr:w11	r	didn't complete weight: other reason	Categ
12	R12WGHTOTHR	r12wghtothr:w12	r	didn't complete weight: other reason	Categ
13	R13WGHTOTHR	r13wghtothr:w13	r	didn't complete weight: other reason	Categ
14	R14WGHTOTHR	r14wghtothr:w14	r	didn't complete weight: other reason	Categ
07	S7WGHTOTHR	s7wghtothr:w7	s	didn't complete weight: other reason	Categ
08	S8WGHTOTHR	s8wghtothr:w8	s	didn't complete weight: other reason	Categ
09	S9WGHTOTHR	s9wghtothr:w9	s	didn't complete weight: other reason	Categ
10	S10WGHTOTHR	s10wghtothr:w10	s	didn't complete weight: other reason	Categ
11	S11WGHTOTHR	s11wghtothr:w11	s	didn't complete weight: other reason	Categ
12	S12WGHTOTHR	s12wghtothr:w12	s	didn't complete weight: other reason	Categ
13	S13WGHTOTHR	s13wghtothr:w13	s	didn't complete weight: other reason	Categ
14	S14WGHTOTHR	s14wghtothr:w14	s	didn't complete weight: other reason	Categ
08	R8WSTSFT	r8wstsft:w8	r	didn't complete waist: unsafe/health reason	Categ
09	R9WSTSFT	r9wstsft:w9	r	didn't complete waist: unsafe/health reason	Categ
10	R10WSTSFT	r10wstsft:w10	r	didn't complete waist: unsafe/health reason	Categ

11	R11WSTSFT	r11wstsft:w11	r	didn't complete waist: unsafe/health reason	Categ
12	R12WSTSFT	r12wstsft:w12	r	didn't complete waist: unsafe/health reason	Categ
13	R13WSTSFT	r13wstsft:w13	r	didn't complete waist: unsafe/health reason	Categ
14	R14WSTSFT	r14wstsft:w14	r	didn't complete waist: unsafe/health reason	Categ
08	S8WSTSFT	s8wstsft:w8	s	didn't complete waist: unsafe/health reason	Categ
09	S9WSTSFT	s9wstsft:w9	s	didn't complete waist: unsafe/health reason	Categ
10	S10WSTSFT	s10wstsft:w10	s	didn't complete waist: unsafe/health reason	Categ
11	S11WSTSFT	s11wstsft:w11	s	didn't complete waist: unsafe/health reason	Categ
12	S12WSTSFT	s12wstsft:w12	s	didn't complete waist: unsafe/health reason	Categ
13	S13WSTSFT	s13wstsft:w13	s	didn't complete waist: unsafe/health reason	Categ
14	S14WSTSFT	s14wstsft:w14	s	didn't complete waist: unsafe/health reason	Categ
08	R8WSTREF	r8wstref:w8	r	didn't complete waist: refused	Categ
09	R9WSTREF	r9wstref:w9	r	didn't complete waist: refused	Categ
10	R10WSTREF	r10wstref:w10	r	didn't complete waist: refused	Categ
11	R11WSTREF	r11wstref:w11	r	didn't complete waist: refused	Categ
12	R12WSTREF	r12wstref:w12	r	didn't complete waist: refused	Categ
13	R13WSTREF	r13wstref:w13	r	didn't complete waist: refused	Categ
14	R14WSTREF	r14wstref:w14	r	didn't complete waist: refused	Categ
08	S8WSTREF	s8wstref:w8	s	didn't complete waist: refused	Categ
09	S9WSTREF	s9wstref:w9	s	didn't complete waist: refused	Categ
10	S10WSTREF	s10wstref:w10	s	didn't complete waist: refused	Categ
11	S11WSTREF	s11wstref:w11	s	didn't complete waist: refused	Categ
12	S12WSTREF	s12wstref:w12	s	didn't complete waist: refused	Categ
13	S13WSTREF	s13wstref:w13	s	didn't complete waist: refused	Categ
14	S14WSTREF	s14wstref:w14	s	didn't complete waist: refused	Categ
08	R8WSTTRYU	r8wsttryu:w8	r	didn't complete waist: tried but unable	Categ
09	R9WSTTRYU	r9wsttryu:w9	r	didn't complete waist: tried but unable	Categ
10	R10WSTTRYU	r10wsttryu:w10	r	didn't complete waist: tried but unable	Categ
11	R11WSTTRYU	r11wsttryu:w11	r	didn't complete waist: tried but unable	Categ
12	R12WSTTRYU	r12wsttryu:w12	r	didn't complete waist: tried but unable	Categ
13	R13WSTTRYU	r13wsttryu:w13	r	didn't complete waist: tried but unable	Categ
14	R14WSTTRYU	r14wsttryu:w14	r	didn't complete waist: tried but unable	Categ
08	S8WSTTRYU	s8wsttryu:w8	s	didn't complete waist: tried but unable	Categ
09	S9WSTTRYU	s9wsttryu:w9	s	didn't complete waist: tried but unable	Categ
10	S10WSTTRYU	s10wsttryu:w10	s	didn't complete waist: tried but unable	Categ
11	S11WSTTRYU	s11wsttryu:w11	s	didn't complete waist: tried but unable	Categ
12	S12WSTTRYU	s12wsttryu:w12	s	didn't complete waist: tried but unable	Categ
13	S13WSTTRYU	s13wsttryu:w13	s	didn't complete waist: tried but unable	Categ
14	S14WSTTRYU	s14wsttryu:w14	s	didn't complete waist: tried but unable	Categ
08	R8WSTEQUP	r8wstequip:w8	r	didn't complete waist: faulty equipment/space	Categ
09	R9WSTEQUP	r9wstequip:w9	r	didn't complete waist: faulty equipment/space	Categ
10	R10WSTEQUP	r10wstequip:w10	r	didn't complete waist: faulty equipment/spa	Categ
11	R11WSTEQUP	r11wstequip:w11	r	didn't complete waist: faulty equipment/spa	Categ
12	R12WSTEQUP	r12wstequip:w12	r	didn't complete waist: faulty equipment/spa	Categ
13	R13WSTEQUP	r13wstequip:w13	r	didn't complete waist: faulty equipment/spa	Categ
14	R14WSTEQUP	r14wstequip:w14	r	didn't complete waist: faulty equipment/spa	Categ
08	S8WSTEQUP	s8wstequip:w8	s	didn't complete waist: faulty equipment/space	Categ
09	S9WSTEQUP	s9wstequip:w9	s	didn't complete waist: faulty equipment/space	Categ
10	S10WSTEQUP	s10wstequip:w10	s	didn't complete waist: faulty equipment/spa	Categ
11	S11WSTEQUP	s11wstequip:w11	s	didn't complete waist: faulty equipment/spa	Categ
12	S12WSTEQUP	s12wstequip:w12	s	didn't complete waist: faulty equipment/spa	Categ
13	S13WSTEQUP	s13wstequip:w13	s	didn't complete waist: faulty equipment/spa	Categ
14	S14WSTEQUP	s14wstequip:w14	s	didn't complete waist: faulty equipment/spa	Categ
08	R8WSTOTHR	r8wstothr:w8	r	didn't complete waist: other reason	Categ
09	R9WSTOTHR	r9wstothr:w9	r	didn't complete waist: other reason	Categ

10	R10WSTOTHR	r10wstothr:w10	r	didn't complete waist: other reason	Categ
11	R11WSTOTHR	r11wstothr:w11	r	didn't complete waist: other reason	Categ
12	R12WSTOTHR	r12wstothr:w12	r	didn't complete waist: other reason	Categ
13	R13WSTOTHR	r13wstothr:w13	r	didn't complete waist: other reason	Categ
14	R14WSTOTHR	r14wstothr:w14	r	didn't complete waist: other reason	Categ
08	S8WSTOTHR	s8wstothr:w8	s	didn't complete waist: other reason	Categ
09	S9WSTOTHR	s9wstothr:w9	s	didn't complete waist: other reason	Categ
10	S10WSTOTHR	s10wstothr:w10	s	didn't complete waist: other reason	Categ
11	S11WSTOTHR	s11wstothr:w11	s	didn't complete waist: other reason	Categ
12	S12WSTOTHR	s12wstothr:w12	s	didn't complete waist: other reason	Categ
13	S13WSTOTHR	s13wstothr:w13	s	didn't complete waist: other reason	Categ
14	S14WSTOTHR	s14wstothr:w14	s	didn't complete waist: other reason	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7HGHTSFT	67	0.34	0.48	0.00	1.00
R8HGHTSFT	358	0.32	0.47	0.00	1.00
R9HGHTSFT	252	0.59	0.49	0.00	1.00
R10HGHTSFT	198	0.61	0.49	0.00	1.00
R11HGHTSFT	266	0.65	0.48	0.00	1.00
R12HGHTSFT	274	0.75	0.43	0.00	1.00
R13HGHTSFT	256	0.59	0.49	0.00	1.00
R14HGHTSFT	260	0.56	0.50	0.00	1.00
S7HGHTSFT	33	0.30	0.47	0.00	1.00
S8HGHTSFT	184	0.27	0.44	0.00	1.00
S9HGHTSFT	122	0.49	0.50	0.00	1.00
S10HGHTSFT	104	0.54	0.50	0.00	1.00
S11HGHTSFT	113	0.62	0.49	0.00	1.00
S12HGHTSFT	136	0.76	0.43	0.00	1.00
S13HGHTSFT	110	0.56	0.50	0.00	1.00
S14HGHTSFT	113	0.51	0.50	0.00	1.00
R7HGHTREF	67	0.34	0.48	0.00	1.00
R8HGHTREF	358	0.53	0.50	0.00	1.00
R9HGHTREF	252	0.40	0.49	0.00	1.00
R10HGHTREF	198	0.26	0.44	0.00	1.00
R11HGHTREF	266	0.25	0.43	0.00	1.00
R12HGHTREF	274	0.24	0.43	0.00	1.00
R13HGHTREF	256	0.33	0.47	0.00	1.00
R14HGHTREF	260	0.38	0.49	0.00	1.00
S7HGHTREF	33	0.27	0.45	0.00	1.00
S8HGHTREF	184	0.57	0.50	0.00	1.00
S9HGHTREF	122	0.48	0.50	0.00	1.00
S10HGHTREF	104	0.29	0.46	0.00	1.00
S11HGHTREF	113	0.27	0.44	0.00	1.00
S12HGHTREF	136	0.26	0.44	0.00	1.00
S13HGHTREF	110	0.39	0.49	0.00	1.00
S14HGHTREF	113	0.41	0.49	0.00	1.00
R7HGHTTRYU	67	0.00	0.00	0.00	0.00
R8HGHTTRYU	358	0.01	0.11	0.00	1.00
R9HGHTTRYU	252	0.01	0.11	0.00	1.00
R10HGHTTRYU	198	0.03	0.17	0.00	1.00
R11HGHTTRYU	266	0.02	0.15	0.00	1.00
R12HGHTTRYU	274	0.04	0.20	0.00	1.00
R13HGHTTRYU	256	0.05	0.23	0.00	1.00
R14HGHTTRYU	260	0.02	0.15	0.00	1.00

S7HGHTTRYU	33	0.00	0.00	0.00	0.00
S8HGHTTRYU	184	0.01	0.10	0.00	1.00
S9HGHTTRYU	122	0.02	0.13	0.00	1.00
S10HGHTTRYU	104	0.05	0.21	0.00	1.00
S11HGHTTRYU	113	0.01	0.09	0.00	1.00
S12HGHTTRYU	136	0.01	0.09	0.00	1.00
S13HGHTTRYU	110	0.02	0.13	0.00	1.00
S14HGHTTRYU	113	0.01	0.09	0.00	1.00
R7HGHTEQUP	67	0.27	0.45	0.00	1.00
R8HGHTEQUP	358	0.08	0.28	0.00	1.00
R9HGHTEQUP	252	0.10	0.29	0.00	1.00
R10HGHTEQUP	198	0.18	0.39	0.00	1.00
R11HGHTEQUP	266	0.14	0.35	0.00	1.00
R12HGHTEQUP	274	0.07	0.25	0.00	1.00
R13HGHTEQUP	256	0.07	0.26	0.00	1.00
R14HGHTEQUP	260	0.14	0.35	0.00	1.00
S7HGHTEQUP	33	0.39	0.50	0.00	1.00
S8HGHTEQUP	184	0.10	0.30	0.00	1.00
S9HGHTEQUP	122	0.09	0.29	0.00	1.00
S10HGHTEQUP	104	0.21	0.41	0.00	1.00
S11HGHTEQUP	113	0.17	0.38	0.00	1.00
S12HGHTEQUP	136	0.04	0.21	0.00	1.00
S13HGHTEQUP	110	0.05	0.21	0.00	1.00
S14HGHTEQUP	113	0.17	0.38	0.00	1.00
R7HGHTOTHR	67	0.06	0.24	0.00	1.00
R8HGHTOTHR	358	0.06	0.23	0.00	1.00
R9HGHTOTHR	252	0.03	0.18	0.00	1.00
R10HGHTOTHR	198	0.04	0.20	0.00	1.00
R11HGHTOTHR	266	0.02	0.12	0.00	1.00
R12HGHTOTHR	274	0.04	0.19	0.00	1.00
R13HGHTOTHR	256	0.08	0.27	0.00	1.00
R14HGHTOTHR	260	0.03	0.17	0.00	1.00
S7HGHTOTHR	33	0.03	0.17	0.00	1.00
S8HGHTOTHR	184	0.07	0.26	0.00	1.00
S9HGHTOTHR	122	0.03	0.18	0.00	1.00
S10HGHTOTHR	104	0.06	0.23	0.00	1.00
S11HGHTOTHR	113	0.01	0.09	0.00	1.00
S12HGHTOTHR	136	0.03	0.17	0.00	1.00
S13HGHTOTHR	110	0.09	0.29	0.00	1.00
S14HGHTOTHR	113	0.03	0.16	0.00	1.00
R7WGHTSFT	116	0.16	0.37	0.00	1.00
R8WGHTSFT	501	0.27	0.44	0.00	1.00
R9WGHTSFT	351	0.40	0.49	0.00	1.00
R10WGHTSFT	367	0.37	0.48	0.00	1.00
R11WGHTSFT	364	0.46	0.50	0.00	1.00
R12WGHTSFT	323	0.61	0.49	0.00	1.00
R13WGHTSFT	371	0.40	0.49	0.00	1.00
R14WGHTSFT	322	0.45	0.50	0.00	1.00
S7WGHTSFT	68	0.09	0.29	0.00	1.00
S8WGHTSFT	284	0.21	0.41	0.00	1.00
S9WGHTSFT	182	0.35	0.48	0.00	1.00
S10WGHTSFT	218	0.29	0.45	0.00	1.00
S11WGHTSFT	176	0.36	0.48	0.00	1.00
S12WGHTSFT	175	0.55	0.50	0.00	1.00
S13WGHTSFT	178	0.35	0.48	0.00	1.00
S14WGHTSFT	147	0.38	0.49	0.00	1.00

R7WGHTREF	116	0.30	0.46	0.00	1.00
R8WGHTREF	501	0.61	0.49	0.00	1.00
R9WGHTREF	351	0.54	0.50	0.00	1.00
R10WGHTREF	367	0.39	0.49	0.00	1.00
R11WGHTREF	364	0.46	0.50	0.00	1.00
R12WGHTREF	323	0.41	0.49	0.00	1.00
R13WGHTREF	371	0.41	0.49	0.00	1.00
R14WGHTREF	322	0.47	0.50	0.00	1.00
S7WGHTREF	68	0.29	0.46	0.00	1.00
S8WGHTREF	284	0.65	0.48	0.00	1.00
S9WGHTREF	182	0.59	0.49	0.00	1.00
S10WGHTREF	218	0.44	0.50	0.00	1.00
S11WGHTREF	176	0.56	0.50	0.00	1.00
S12WGHTREF	175	0.45	0.50	0.00	1.00
S13WGHTREF	178	0.45	0.50	0.00	1.00
S14WGHTREF	147	0.54	0.50	0.00	1.00
R7WGHTTRYU	116	0.02	0.13	0.00	1.00
R8WGHTTRYU	501	0.03	0.16	0.00	1.00
R9WGHTTRYU	351	0.03	0.17	0.00	1.00
R10WGHTTRYU	367	0.06	0.23	0.00	1.00
R11WGHTTRYU	364	0.02	0.15	0.00	1.00
R12WGHTTRYU	323	0.04	0.20	0.00	1.00
R13WGHTTRYU	371	0.02	0.15	0.00	1.00
R14WGHTTRYU	322	0.02	0.15	0.00	1.00
S7WGHTTRYU	68	0.00	0.00	0.00	0.00
S8WGHTTRYU	284	0.00	0.06	0.00	1.00
S9WGHTTRYU	182	0.03	0.16	0.00	1.00
S10WGHTTRYU	218	0.06	0.23	0.00	1.00
S11WGHTTRYU	176	0.02	0.13	0.00	1.00
S12WGHTTRYU	175	0.03	0.17	0.00	1.00
S13WGHTTRYU	178	0.01	0.07	0.00	1.00
S14WGHTTRYU	147	0.01	0.12	0.00	1.00
R7WGHTEQUP	116	0.52	0.50	0.00	1.00
R8WGHTEQUP	501	0.11	0.31	0.00	1.00
R9WGHTEQUP	351	0.11	0.31	0.00	1.00
R10WGHTEQUP	367	0.25	0.43	0.00	1.00
R11WGHTEQUP	364	0.11	0.32	0.00	1.00
R12WGHTEQUP	323	0.04	0.20	0.00	1.00
R13WGHTEQUP	371	0.21	0.41	0.00	1.00
R14WGHTEQUP	322	0.13	0.34	0.00	1.00
S7WGHTEQUP	68	0.62	0.49	0.00	1.00
S8WGHTEQUP	284	0.12	0.33	0.00	1.00
S9WGHTEQUP	182	0.12	0.33	0.00	1.00
S10WGHTEQUP	218	0.28	0.45	0.00	1.00
S11WGHTEQUP	176	0.12	0.33	0.00	1.00
S12WGHTEQUP	175	0.03	0.18	0.00	1.00
S13WGHTEQUP	178	0.24	0.43	0.00	1.00
S14WGHTEQUP	147	0.14	0.34	0.00	1.00
R7WGHTOTHR	116	0.02	0.13	0.00	1.00
R8WGHTOTHR	501	0.03	0.18	0.00	1.00
R9WGHTOTHR	351	0.02	0.15	0.00	1.00
R10WGHTOTHR	367	0.04	0.20	0.00	1.00
R11WGHTOTHR	364	0.01	0.09	0.00	1.00
R12WGHTOTHR	323	0.02	0.14	0.00	1.00
R13WGHTOTHR	371	0.05	0.22	0.00	1.00
R14WGHTOTHR	322	0.02	0.15	0.00	1.00

S7WGHTOTHR	68	0.01	0.12	0.00	1.00
S8WGHTOTHR	284	0.04	0.19	0.00	1.00
S9WGHTOTHR	182	0.02	0.13	0.00	1.00
S10WGHTOTHR	218	0.04	0.20	0.00	1.00
S11WGHTOTHR	176	0.01	0.08	0.00	1.00
S12WGHTOTHR	175	0.01	0.11	0.00	1.00
S13WGHTOTHR	178	0.04	0.21	0.00	1.00
S14WGHTOTHR	147	0.03	0.16	0.00	1.00
R8WSTSFT	423	0.32	0.47	0.00	1.00
R9WSTSFT	286	0.42	0.49	0.00	1.00
R10WSTSFT	231	0.53	0.50	0.00	1.00
R11WSTSFT	316	0.51	0.50	0.00	1.00
R12WSTSFT	259	0.65	0.48	0.00	1.00
R13WSTSFT	255	0.50	0.50	0.00	1.00
R14WSTSFT	256	0.50	0.50	0.00	1.00
S8WSTSFT	219	0.27	0.45	0.00	1.00
S9WSTSFT	150	0.32	0.47	0.00	1.00
S10WSTSFT	124	0.40	0.49	0.00	1.00
S11WSTSFT	143	0.45	0.50	0.00	1.00
S12WSTSFT	134	0.59	0.49	0.00	1.00
S13WSTSFT	115	0.47	0.50	0.00	1.00
S14WSTSFT	123	0.44	0.50	0.00	1.00
R8WSTREF	423	0.67	0.47	0.00	1.00
R9WSTREF	286	0.58	0.49	0.00	1.00
R10WSTREF	231	0.44	0.50	0.00	1.00
R11WSTREF	316	0.46	0.50	0.00	1.00
R12WSTREF	259	0.36	0.48	0.00	1.00
R13WSTREF	255	0.50	0.50	0.00	1.00
R14WSTREF	256	0.50	0.50	0.00	1.00
S8WSTREF	219	0.70	0.46	0.00	1.00
S9WSTREF	150	0.65	0.48	0.00	1.00
S10WSTREF	124	0.54	0.50	0.00	1.00
S11WSTREF	143	0.51	0.50	0.00	1.00
S12WSTREF	134	0.42	0.50	0.00	1.00
S13WSTREF	115	0.57	0.50	0.00	1.00
S14WSTREF	123	0.54	0.50	0.00	1.00
R8WSTTRYU	423	0.00	0.05	0.00	1.00
R9WSTTRYU	286	0.01	0.10	0.00	1.00
R10WSTTRYU	231	0.00	0.07	0.00	1.00
R11WSTTRYU	316	0.01	0.11	0.00	1.00
R12WSTTRYU	259	0.01	0.11	0.00	1.00
R13WSTTRYU	255	0.02	0.15	0.00	1.00
R14WSTTRYU	256	0.01	0.09	0.00	1.00
S8WSTTRYU	219	0.00	0.00	0.00	0.00
S9WSTTRYU	150	0.01	0.08	0.00	1.00
S10WSTTRYU	124	0.01	0.09	0.00	1.00
S11WSTTRYU	143	0.01	0.08	0.00	1.00
S12WSTTRYU	134	0.00	0.00	0.00	0.00
S13WSTTRYU	115	0.01	0.09	0.00	1.00
S14WSTTRYU	123	0.01	0.09	0.00	1.00
R8WSTEQUP	423	0.01	0.12	0.00	1.00
R9WSTEQUP	286	0.04	0.20	0.00	1.00
R10WSTEQUP	231	0.04	0.20	0.00	1.00
R11WSTEQUP	316	0.04	0.20	0.00	1.00
R12WSTEQUP	259	0.01	0.11	0.00	1.00
R13WSTEQUP	255	0.03	0.17	0.00	1.00

R14WSTEQUP	256	0.04	0.19	0.00	1.00
S8WSTEQUP	219	0.00	0.07	0.00	1.00
S9WSTEQUP	150	0.05	0.23	0.00	1.00
S10WSTEQUP	124	0.06	0.25	0.00	1.00
S11WSTEQUP	143	0.04	0.20	0.00	1.00
S12WSTEQUP	134	0.01	0.09	0.00	1.00
S13WSTEQUP	115	0.01	0.09	0.00	1.00
S14WSTEQUP	123	0.04	0.20	0.00	1.00
R8WSTOTHR	423	0.04	0.19	0.00	1.00
R9WSTOTHR	286	0.04	0.20	0.00	1.00
R10WSTOTHR	231	0.06	0.25	0.00	1.00
R11WSTOTHR	316	0.02	0.15	0.00	1.00
R12WSTOTHR	259	0.02	0.15	0.00	1.00
R13WSTOTHR	255	0.03	0.16	0.00	1.00
R14WSTOTHR	256	0.02	0.14	0.00	1.00
S8WSTOTHR	219	0.04	0.20	0.00	1.00
S9WSTOTHR	150	0.06	0.24	0.00	1.00
S10WSTOTHR	124	0.06	0.23	0.00	1.00
S11WSTOTHR	143	0.02	0.14	0.00	1.00
S12WSTOTHR	134	0.02	0.15	0.00	1.00
S13WSTOTHR	115	0.03	0.16	0.00	1.00
S14WSTOTHR	123	0.03	0.18	0.00	1.00

### Categorical Variable Codes

Value-----	R7HGHTSFT	R8HGHTSFT	R9HGHTSFT	R10HGHTSFT
.c:completed test	580	7429	6674	8778
.d:DK	1	1		
.m:Missing		6	5	26
.r:Refuse				2
.s:Skipped	19481	10675	10286	13030
0.no	44	243	104	78
1.yes	23	115	148	120

Value-----	R11HGHTSFT	R12HGHTSFT	R13HGHTSFT	R14HGHTSFT
.c:completed test	8246	7719	8059	7020
.m:Missing	3	4		2
.r:Refuse		1		
.s:Skipped	12039	10749	12597	9864
0.no	93	68	105	115
1.yes	173	206	151	145

Value-----	S7HGHTSFT	S8HGHTSFT	S9HGHTSFT	S10HGHTSFT
.c:completed test	370	4985	4213	5570
.d:DK	1			
.m:Missing		2	2	11
.s:Skipped	12564	6557	6303	7823
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	23	135	62	48
1.yes	10	49	60	56

Value-----	S11HGHTSFT	S12HGHTSFT	S13HGHTSFT	S14HGHTSFT
.c:completed test	5119	4723	4730	4018
.m:Missing	1	1		
.r:Refuse		1		
.s:Skipped	7243	6151	6938	5227
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.no	43	33	48	55
1.yes	70	103	62	58

Value-----	R7HGHTREF	R8HGHTREF	R9HGHTREF	R10HGHTREF
.c:completed test	580	7429	6674	8778
.d:DK	1	1		
.m:Missing		6	5	26



.r:Refuse					2
.s:Skipped		19481	10675	10286	13030
0.no		44	167	150	147
1.yes		23	191	102	51
Value-----	R11HGHTREF	R12HGHTREF	R13HGHTREF	R14HGHTREF	
.c:completed test	8246	7719	8059	7020	
.m:Missing	3	4		2	
.r:Refuse		1			
.s:Skipped	12039	10749	12597	9864	
0.no	200	209	172	162	
1.yes	66	65	84	98	
Value-----		S7HGHTREF	S8HGHTREF	S9HGHTREF	S10HGHTREF
.c:completed test		370	4985	4213	5570
.d:DK		1			
.m:Missing			2	2	11
.s:Skipped		12564	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		24	80	64	74
1.yes		9	104	58	30
Value-----	S11HGHTREF	S12HGHTREF	S13HGHTREF	S14HGHTREF	
.c:completed test	5119	4723	4730	4018	
.m:Missing	1	1			
.r:Refuse		1			
.s:Skipped	7243	6151	6938	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	83	101	67	67	
1.yes	30	35	43	46	
Value-----		R7HGHTTRYU	R8HGHTTRYU	R9HGHTTRYU	R10HGHTTRYU
.c:completed test		580	7429	6674	8778
.d:DK		1	1		
.m:Missing			6	5	26
.r:Refuse					2
.s:Skipped		19481	10675	10286	13030
0.no		67	354	249	192
1.yes			4	3	6
Value-----	R11HGHTTRYU	R12HGHTTRYU	R13HGHTTRYU	R14HGHTTRYU	
.c:completed test	8246	7719	8059	7020	
.m:Missing	3	4		2	
.r:Refuse		1			
.s:Skipped	12039	10749	12597	9864	
0.no	260	263	242	254	
1.yes	6	11	14	6	
Value-----		S7HGHTTRYU	S8HGHTTRYU	S9HGHTTRYU	S10HGHTTRYU
.c:completed test		370	4985	4213	5570
.d:DK		1			
.m:Missing			2	2	11
.s:Skipped		12564	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		33	182	120	99
1.yes			2	2	5
Value-----	S11HGHTTRYU	S12HGHTTRYU	S13HGHTTRYU	S14HGHTTRYU	
.c:completed test	5119	4723	4730	4018	
.m:Missing	1	1			
.r:Refuse		1			
.s:Skipped	7243	6151	6938	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	112	135	108	112	
1.yes	1	1	2	1	
Value-----		R7HGHTTEQUP	R8HGHTTEQUP	R9HGHTTEQUP	R10HGHTTEQUP
.c:completed test		580	7429	6674	8778
.d:DK		1	1		
.m:Missing			6	5	26
.r:Refuse					2
.s:Skipped		19481	10675	10286	13030

0.no		49	328	228	162
1.yes		18	30	24	36
Value-----	R11HGHTEQUP	R12HGHTEQUP	R13HGHTEQUP	R14HGHTEQUP	
.c:completed test	8246	7719	8059	7020	
.m:Missing	3	4		2	
.r:Refuse		1			
.s:Skipped	12039	10749	12597	9864	
0.no	229	255	238	223	
1.yes	37	19	18	37	
Value-----		S7HGHTEQUP	S8HGHTEQUP	S9HGHTEQUP	S10HGHTEQUP
.c:completed test		370	4985	4213	5570
.d:DK		1			
.m:Missing			2	2	11
.s:Skipped		12564	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		20	166	111	82
1.yes		13	18	11	22
Value-----	S11HGHTEQUP	S12HGHTEQUP	S13HGHTEQUP	S14HGHTEQUP	
.c:completed test	5119	4723	4730	4018	
.m:Missing	1	1			
.r:Refuse		1			
.s:Skipped	7243	6151	6938	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	94	130	105	94	
1.yes	19	6	5	19	
Value-----		R7HGHTOTHR	R8HGHTOTHR	R9HGHTOTHR	R10HGHTOTHR
.c:completed test		580	7429	6674	8778
.d:DK		1	1		
.m:Missing			6	5	26
.r:Refuse					2
.s:Skipped		19481	10675	10286	13030
0.no		63	338	244	190
1.yes		4	20	8	8
Value-----	R11HGHTOTHR	R12HGHTOTHR	R13HGHTOTHR	R14HGHTOTHR	
.c:completed test	8246	7719	8059	7020	
.m:Missing	3	4		2	
.r:Refuse		1			
.s:Skipped	12039	10749	12597	9864	
0.no	262	264	235	252	
1.yes	4	10	21	8	
Value-----		S7HGHTOTHR	S8HGHTOTHR	S9HGHTOTHR	S10HGHTOTHR
.c:completed test		370	4985	4213	5570
.d:DK		1			
.m:Missing			2	2	11
.s:Skipped		12564	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		32	171	118	98
1.yes		1	13	4	6
Value-----	S11HGHTOTHR	S12HGHTOTHR	S13HGHTOTHR	S14HGHTOTHR	
.c:completed test	5119	4723	4730	4018	
.m:Missing	1	1			
.r:Refuse		1			
.s:Skipped	7243	6151	6938	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	112	132	100	110	
1.yes	1	4	10	3	
Value-----		R7WGHTSFT	R8WGHTSFT	R9WGHTSFT	R10WGHTSFT
.c:completed test		520	7203	6506	8476
.d:DK		1	1		
.m:Missing			89	74	159
.r:Refuse					2
.s:Skipped		19492	10675	10286	13030
0.no		97	367	209	233
1.yes		19	134	142	134

Value-----	R11WGHTSFT	R12WGHTSFT	R13WGHTSFT	R14WGHTSFT	
.c:completed test	8012	7548	7788	6831	
.m:Missing	139	126		129	
.r:Refuse		1			
.s:Skipped	12039	10749	12753	9864	
0.no	195	125	222	177	
1.yes	169	198	149	145	
Value-----		S7WGHTSFT	S8WGHTSFT	S9WGHTSFT	S10WGHTSFT
.c:completed test		328	4831	4107	5368
.d:DK		1			
.m:Missing			56	48	99
.s:Skipped		12571	6557	6303	7823
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		62	223	119	155
1.yes		6	61	63	63
Value-----	S11WGHTSFT	S12WGHTSFT	S13WGHTSFT	S14WGHTSFT	
.c:completed test	4974	4609	4567	3910	
.m:Missing	83	76		74	
.r:Refuse		1			
.s:Skipped	7243	6151	7033	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	113	78	116	91	
1.yes	63	97	62	56	
Value-----		R7WGHTREF	R8WGHTREF	R9WGHTREF	R10WGHTREF
.c:completed test		520	7203	6506	8476
.d:DK		1	1		
.m:Missing			89	74	159
.r:Refuse					2
.s:Skipped		19465	10675	10286	13030
.t:not tested		27			
0.no		81	196	162	223
1.yes		35	305	189	144
Value-----	R11WGHTREF	R12WGHTREF	R13WGHTREF	R14WGHTREF	
.c:completed test	8012	7548	7788	6831	
.m:Missing	139	126		129	
.r:Refuse		1			
.s:Skipped	12039	10749	12753	9864	
0.no	195	191	219	170	
1.yes	169	132	152	152	
Value-----		S7WGHTREF	S8WGHTREF	S9WGHTREF	S10WGHTREF
.c:completed test		328	4831	4107	5368
.d:DK		1			
.m:Missing			56	48	99
.s:Skipped		12553	6557	6303	7823
.t:not tested		18			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		48	99	75	122
1.yes		20	185	107	96
Value-----	S11WGHTREF	S12WGHTREF	S13WGHTREF	S14WGHTREF	
.c:completed test	4974	4609	4567	3910	
.m:Missing	83	76		74	
.r:Refuse		1			
.s:Skipped	7243	6151	7033	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	78	96	98	67	
1.yes	98	79	80	80	
Value-----		R7WGHTTRYU	R8WGHTTRYU	R9WGHTTRYU	R10WGHTTRYU
.c:completed test		520	7203	6506	8476
.d:DK		1	1		
.m:Missing			89	74	159
.r:Refuse					2
.s:Skipped		19465	10675	10286	13030
.t:not tested		27			
0.no		114	487	340	346

1.yes		2	14	11	21
Value-----	R11WGHTTRYU	R12WGHTTRYU	R13WGHTTRYU	R14WGHTTRYU	
.c:completed test	8012	7548	7788	6831	
.m:Missing	139	126		129	
.r:Refuse		1			
.s:Skipped	12039	10749	12753	9864	
0.no	356	310	363	315	
1.yes	8	13	8	7	
Value-----		S7WGHTTRYU	S8WGHTTRYU	S9WGHTTRYU	S10WGHTTRYU
.c:completed test		328	4831	4107	5368
.d:DK		1			
.m:Missing			56	48	99
.s:Skipped		12553	6557	6303	7823
.t:not tested		18			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		68	283	177	206
1.yes			1	5	12
Value-----	S11WGHTTRYU	S12WGHTTRYU	S13WGHTTRYU	S14WGHTTRYU	
.c:completed test	4974	4609	4567	3910	
.m:Missing	83	76		74	
.r:Refuse		1			
.s:Skipped	7243	6151	7033	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	173	170	177	145	
1.yes	3	5	1	2	
Value-----		R7WGHTTEQUP	R8WGHTTEQUP	R9WGHTTEQUP	R10WGHTTEQUP
.c:completed test		520	7203	6506	8476
.d:DK		1	1		
.m:Missing			89	74	159
.r:Refuse					2
.s:Skipped		19465	10675	10286	13030
.t:not tested		27			
0.no		56	448	313	276
1.yes		60	53	38	91
Value-----	R11WGHTTEQUP	R12WGHTTEQUP	R13WGHTTEQUP	R14WGHTTEQUP	
.c:completed test	8012	7548	7788	6831	
.m:Missing	139	126		129	
.r:Refuse		1			
.s:Skipped	12039	10749	12753	9864	
0.no	323	309	292	279	
1.yes	41	14	79	43	
Value-----		S7WGHTTEQUP	S8WGHTTEQUP	S9WGHTTEQUP	S10WGHTTEQUP
.c:completed test		328	4831	4107	5368
.d:DK		1			
.m:Missing			56	48	99
.s:Skipped		12553	6557	6303	7823
.t:not tested		18			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		26	249	160	158
1.yes		42	35	22	60
Value-----	S11WGHTTEQUP	S12WGHTTEQUP	S13WGHTTEQUP	S14WGHTTEQUP	
.c:completed test	4974	4609	4567	3910	
.m:Missing	83	76		74	
.r:Refuse		1			
.s:Skipped	7243	6151	7033	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	155	169	135	127	
1.yes	21	6	43	20	
Value-----		R7WGHTOTHR	R8WGHTOTHR	R9WGHTOTHR	R10WGHTOTHR
.c:completed test		520	7203	6506	8476
.d:DK		1	1		
.m:Missing			89	74	159
.r:Refuse					2
.s:Skipped		19465	10675	10286	13030

.t:not tested		27			
0.no		114	485	343	351
1.yes		2	16	8	16
Value-----	R11WGHTOTHR	R12WGHTOTHR	R13WGHTOTHR	R14WGHTOTHR	
.c:completed test	8012	7548	7788	6831	
.m:Missing	139	126		129	
.r:Refuse		1			
.s:Skipped	12039	10749	12753	9864	
0.no	361	317	352	315	
1.yes	3	6	19	7	
Value-----		S7WGHTOTHR	S8WGHTOTHR	S9WGHTOTHR	S10WGHTOTHR
.c:completed test		328	4831	4107	5368
.d:DK		1			
.m:Missing			56	48	99
.s:Skipped		12553	6557	6303	7823
.t:not tested		18			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
0.no		67	273	179	209
1.yes		1	11	3	9
Value-----	S11WGHTOTHR	S12WGHTOTHR	S13WGHTOTHR	S14WGHTOTHR	
.c:completed test	4974	4609	4567	3910	
.m:Missing	83	76		74	
.r:Refuse		1			
.s:Skipped	7243	6151	7033	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	175	173	170	143	
1.yes	1	2	8	4	
Value-----			R8WSTSFT	R9WSTSFT	R10WSTSFT
.c:completed test			7364	6639	8745
.d:DK			1		
.m:Missing			6	5	26
.r:Refuse				1	2
.s:Skipped			10675	10286	13030
0.no			287	167	108
1.yes			136	119	123
Value-----	R11WSTSFT	R12WSTSFT	R13WSTSFT	R14WSTSFT	
.c:completed test	8196	7734	8059	7024	
.m:Missing	3	4		2	
.r:Refuse		1			
.s:Skipped	12039	10749	12598	9864	
0.no	154	90	128	129	
1.yes	162	169	127	127	
Value-----			S8WSTSFT	S9WSTSFT	S10WSTSFT
.c:completed test			4950	4185	5550
.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			159	102	74
1.yes			60	48	50
Value-----	S11WSTSFT	S12WSTSFT	S13WSTSFT	S14WSTSFT	
.c:completed test	5089	4725	4724	4008	
.m:Missing	1	1			
.r:Refuse		1			
.s:Skipped	7243	6151	6939	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	79	55	61	69	
1.yes	64	79	54	54	
Value-----			R8WSTREF	R9WSTREF	R10WSTREF
.c:completed test			7364	6639	8745
.d:DK			1		
.m:Missing			6	5	26
.r:Refuse				1	2
.s:Skipped			10675	10286	13030
0.no			141	121	129

1.yes			282	165	102
Value-----	R11WSTREF	R12WSTREF	R13WSTREF	R14WSTREF	
.c:completed test	8196	7734	8059	7024	
.m:Missing	3	4		2	
.r:Refuse		1			
.s:Skipped	12039	10749	12598	9864	
0.no	170	165	128	128	
1.yes	146	94	127	128	
Value-----			S8WSTREF	S9WSTREF	S10WSTREF
.c:completed test			4950	4185	5550
.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			65	52	57
1.yes			154	98	67
Value-----	S11WSTREF	S12WSTREF	S13WSTREF	S14WSTREF	
.c:completed test	5089	4725	4724	4008	
.m:Missing	1	1			
.r:Refuse		1			
.s:Skipped	7243	6151	6939	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	70	78	50	56	
1.yes	73	56	65	67	
Value-----			R8WSTTRYU	R9WSTTRYU	R10WSTTRYU
.c:completed test			7364	6639	8745
.d:DK			1		
.m:Missing			6	5	26
.r:Refuse				1	2
.s:Skipped			10675	10286	13030
0.no			422	283	230
1.yes			1	3	1
Value-----	R11WSTTRYU	R12WSTTRYU	R13WSTTRYU	R14WSTTRYU	
.c:completed test	8196	7734	8059	7024	
.m:Missing	3	4		2	
.r:Refuse		1			
.s:Skipped	12039	10749	12598	9864	
0.no	312	256	249	254	
1.yes	4	3	6	2	
Value-----			S8WSTTRYU	S9WSTTRYU	S10WSTTRYU
.c:completed test			4950	4185	5550
.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			219	149	123
1.yes				1	1
Value-----	S11WSTTRYU	S12WSTTRYU	S13WSTTRYU	S14WSTTRYU	
.c:completed test	5089	4725	4724	4008	
.m:Missing	1	1			
.r:Refuse		1			
.s:Skipped	7243	6151	6939	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	142	134	114	122	
1.yes	1		1	1	
Value-----			R8WSTEQUP	R9WSTEQUP	R10WSTEQUP
.c:completed test			7364	6639	8745
.d:DK			1		
.m:Missing			6	5	26
.r:Refuse				1	2
.s:Skipped			10675	10286	13030
0.no			417	274	221
1.yes			6	12	10
Value-----	R11WSTEQUP	R12WSTEQUP	R13WSTEQUP	R14WSTEQUP	
.c:completed test	8196	7734	8059	7024	

.m:Missing	3	4		2	
.r:Refuse		1			
.s:Skipped	12039	10749	12598	9864	
0.no	303	256	247	246	
1.yes	13	3	8	10	
Value-----			S8WSTEQUP	S9WSTEQUP	S10WSTEQUP
.c:completed test			4950	4185	5550
.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			218	142	116
1.yes			1	8	8
Value-----	S11WSTEQUP	S12WSTEQUP	S13WSTEQUP	S14WSTEQUP	
.c:completed test	5089	4725	4724	4008	
.m:Missing	1	1			
.r:Refuse		1			
.s:Skipped	7243	6151	6939	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	137	133	114	118	
1.yes	6	1	1	5	
Value-----			R8WSTOTHR	R9WSTOTHR	R10WSTOTHR
.c:completed test			7364	6639	8745
.d:DK			1		
.m:Missing			6	5	26
.r:Refuse				1	2
.s:Skipped			10675	10286	13030
0.no			407	274	216
1.yes			16	12	15
Value-----	R11WSTOTHR	R12WSTOTHR	R13WSTOTHR	R14WSTOTHR	
.c:completed test	8196	7734	8059	7024	
.m:Missing	3	4		2	
.r:Refuse		1			
.s:Skipped	12039	10749	12598	9864	
0.no	309	253	248	251	
1.yes	7	6	7	5	
Value-----			S8WSTOTHR	S9WSTOTHR	S10WSTOTHR
.c:completed test			4950	4185	5550
.m:Missing			2	2	11
.s:Skipped			6557	6303	7823
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			210	141	117
1.yes			9	9	7
Value-----	S11WSTOTHR	S12WSTOTHR	S13WSTOTHR	S14WSTOTHR	
.c:completed test	5089	4725	4724	4008	
.m:Missing	1	1			
.r:Refuse		1			
.s:Skipped	7243	6151	6939	5227	
.u:not coupled	7483	7125	8025	6684	
.v:SP NR	595	610	1109	1104	
0.no	140	131	112	119	
1.yes	3	3	3	4	

### How Constructed:

RwHGHTSFT, RwHGHTREF, RwHGHTTRYU, RwHGHTEQUP, and RwHGHTOTHR indicate the reasons for the respondent not taking part in the height measurement as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the height measurement. RwHGHTSFT indicates whether the respondent did not participate in the height measurement because they felt it would not be safe, the interviewer felt it would be unsafe, or the respondent had a health condition that prevented them from standing. RwHGHTREF indicates whether the respondent did not participate in the height measurement because they refused, with no reason given. RwHGHTTRYU indicates whether the respondent did not participate in the height measurement because they tried but were unable to complete the measurement. RwHGHTEQUP indicates whether the respondent did not participate in the height measurement because of problems with equipment/supplies, not having a suitable space to perform the measurement, or the

respondent was too tall for the interviewer to reach. RWHGHTOTHR indicates whether the respondent did not participate in the height measurement because either they did not understand the instructions or because of another reason. RWHGHTSFT, RWHGHTREF, RWHGHTTRYU, RWHGHTEQUP, and RWHGHTOTHR are coded as 0 if the specific reason was not given for the respondent not completing the height measurement, and are coded as 1 if the specific reason was given. Don't know, refuse, and other missing responses to RWHGHTSFT, RWHGHTREF, RWHGHTTRYU, RWHGHTEQUP, and RWHGHTOTHR are set to special missing .d, .r, and .m, respectively. Special missing .c is assigned if the respondent completed the height measurement. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. In Wave 7, special missing .s is assigned if the height measurement was not taken because the respondent was not in the sample selected for the height measurement. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SWHGHTSFT, SWHGHTREF, SWHGHTTRYU, SWHGHTEQUP, and SWHGHTOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the height measurement, and their values are taken from the spouse's values to RWHGHTSFT, RWHGHTREF, RWHGHTTRYU, RWHGHTEQUP, and RWHGHTOTHR. In addition to the special missing codes employed by RWHGHTSFT, RWHGHTREF, RWHGHTTRYU, RWHGHTEQUP, and RWHGHTOTHR, SWHGHTSFT, SWHGHTREF, SWHGHTTRYU, SWHGHTEQUP, and SWHGHTOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RWWGHTSFT, RWWGHTREF, RWWGHTTRYU, RWWGHTEQUP, and RWWGHTOTHR indicate the reasons for the respondent not taking part in the weight measurement as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the weight measurement. RWWGHTSFT indicates whether the respondent did not participate in the weight measurement because they felt it would not be safe, the interviewer felt it would be unsafe, or the respondent was not able to stand or balance on the scale. RWWGHTREF indicates whether the respondent did not participate in the weight measurement because they refused, with no reason given. RWWGHTTRYU indicates whether the respondent did not participate in the weight measurement because they tried but were unable to complete the measurement. RWWGHTEQUP indicates whether the respondent did not participate in the weight measurement because of problems with equipment/supplies, not having a suitable space to perform the measurement, or the respondent was too heavy to attempt the weight measurement. RWWGHTOTHR indicates whether the respondent did not participate in the weight measurement because either they did not understand the instructions or because of another reason. RWWGHTSFT, RWWGHTREF, RWWGHTTRYU, RWWGHTEQUP, and RWWGHTOTHR are coded as 0 if the specific reason was not given for the respondent not completing the weight measurement, and are coded as 1 if the specific reason was given. Don't know, refuse, and other missing responses to RWWGHTSFT, RWWGHTREF, RWWGHTTRYU, RWWGHTEQUP, and RWWGHTOTHR are set to special missing .d, .r, and .m, respectively. Special missing .c is assigned if the respondent completed the weight measurement. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. In Wave 7, special missing .s is assigned if the weight measurement was not taken because the respondent was not in the sample selected for the weight measurement. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SWWGHTSFT, SWWGHTREF, SWWGHTTRYU, SWWGHTEQUP, and SWWGHTOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the weight measurement, and their values are taken from the spouse's values to RWWGHTSFT, RWWGHTREF, RWWGHTTRYU, RWWGHTEQUP, and RWWGHTOTHR. In addition to the special missing codes employed by RWWGHTSFT, RWWGHTREF, RWWGHTTRYU, RWWGHTEQUP, and RWWGHTOTHR, SWWGHTSFT, SWWGHTREF, SWWGHTTRYU, SWWGHTEQUP, and SWWGHTOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RWWSTSFT, RWWSTREF, RWWSTTRYU, RWWSTEQUP, and RWWSTOTHR indicate the reasons for the respondent not taking part in the waist measurement as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the waist measurement. RWWSTSFT indicates whether the respondent did not participate in the waist measurement because they felt it would not be safe, the interviewer felt it would be unsafe, or the respondent is not able to stand. RWWSTREF indicates whether the respondent did not participate in the waist measurement because they refused, with no reason given. RWWSTTRYU indicates whether the respondent did not participate in the waist measurement because they tried but were unable to complete the measurement. RWWSTEQUP indicates whether the respondent did not participate in the waist measurement because of problems with equipment/supplies or not having a suitable



space to perform the measurement. RwwSTOTHR indicates whether the respondent did not participate in the waist measurement because either they did not understand the instructions or because of another reason. RwwSTSFT, RwwSTREF, RwwSTTRYU, RwwSTEQUP, and RwwSTOTHR are coded as 0 if the specific reason was not given for the respondent not completing the waist measurement, and are coded as 1 if the specific reason was given. Don't know, refuse, and other missing responses to RwwSTSFT, RwwSTREF, RwwSTTRYU, RwwSTEQUP, and RwwSTOTHR are set to special missing .d, .r, and .m, respectively. Special missing .c is assigned if the respondent completed the waist measurement. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwwSTSFT, SwwSTREF, SwwSTTRYU, SwwSTEQUP, and SwwSTOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the waist measurement, and their values are taken from the spouse's values to RwwSTSFT, RwwSTREF, RwwSTTRYU, RwwSTEQUP, and RwwSTOTHR. In addition to the special missing codes employed by RwwSTSFT, RwwSTREF, RwwSTTRYU, RwwSTEQUP, and RwwSTOTHR, SwwSTSFT, SwwSTREF, SwwSTTRYU, SwwSTEQUP, and SwwSTOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Physical measure tests began in Wave 7, but they were only given to a random subsample of approximately 3300 respondents. Of this subsample, smaller subsamples were given the height or weight measurements. Height and weight measurements were given to a larger sample of respondents starting in Wave 8. If the respondent was selected for some physical measures but not the height or weight measurements in Wave 7, then special missing .s is assigned.

Waist circumference was not measured until Wave 8.

The wording of and options used to create RwwHGTSFT changes slightly across waves. In Wave 8, the wording is "R had surgery, injury or other health condition that prevented R from completing the measurement". Starting in Wave 9, the wording is "R is not able to stand; other health reason". There is no comparable option in Wave 7.

The wording of and options used to create RwwHGTEQUP change across waves. In Wave 7, the available options include "no suitable space available" and "problem with equipment and/or consent form". In Wave 8, the wording for this option is changed to "problem with equipment or supplies". Starting in Wave 8, there is the added option of "R too tall, interviewer could not reach".

The options used to create RwwWGTSFT are different in Wave 7. Starting in Wave 8, there is an option of "R is not able to stand or balance on scale; other health reason", which is not available in Wave 7.

The wording of and options used to create RwwWGTEQUP change across waves. In Wave 7, the available options include "respondent was too heavy; did not attempt", "no suitable space available", "scale did not work", and "problem with equipment and/or consent form". In Wave 8, the wording for the option of equipment problems changes to "problem with equipment or supplies". Starting in Wave 9, the option for equipment problems changes again to "scale did not work; other problem with equipment or supplies". In Waves 8 through 11, there is no option for the respondent being too heavy, but starting in Wave 12 the options include "respondent was too heavy; did not attempt".

The options used to create RwwSTSFT changes slightly across waves. In Waves 8 through 11, the wording is "R is not able to stand; other health reason". Starting in Wave 12, the wording is "R is not able to stand".

Starting in Wave 12, there are additional screening questions asking about the respondent's understanding of the directions and feelings of safety in completing these measurements which determine whether the respondent participates in the height, weight, and waist measurements.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

**HRS Variables Used:**

## Wave 7:

JI831 r height  
 JI832M1 measure height- not complete-1  
 JI832M2 measure height- not complete-2  
 JI832M3 measure height- not complete-3  
 JI838 able to measure weight  
 JI839M1 reason not complete weight measurement-1  
 JI839M2 reason not complete weight measurement-2  
 JI839M3 reason not complete weight measurement-3  
 JI839M4 reason not complete weight measurement-4

## Wave 8:

KI831 measure r height  
 KI832M1 height reason not complete-1  
 KI832M2 height reason not complete-2  
 KI832M3 height reason not complete-3  
 KI832M4 height reason not complete-4  
 KI832M5 height reason not complete-5  
 KI838 weight able to measure  
 KI839M1 weight reason not complete-1  
 KI839M2 weight reason not complete-2  
 KI839M3 weight reason not complete-3  
 KI839M4 weight reason not complete-4  
 KI839M5 weight reason not complete-5  
 KI904 waist complete  
 KI905M1 waist why not complete-1  
 KI905M2 waist why not complete-2  
 KI905M3 waist why not complete-3  
 KI905M4 waist why not complete-4

## Wave 9:

LI831 measure r height  
 LI832M1 height reason not complete -1  
 LI832M2 height reason not complete -2  
 LI832M3 height reason not complete -3  
 LI832M4 height reason not complete -4  
 LI832M5 height reason not complete -5  
 LI832M6 height reason not complete -6  
 LI832M7 height reason not complete -7  
 LI838 weight able to measure  
 LI839M1 weight reason not complete -1  
 LI839M2 weight reason not complete -2  
 LI839M3 weight reason not complete -3  
 LI839M4 weight reason not complete -4  
 LI904 waist complete  
 LI905M1 waist why not complete-1  
 LI905M2 waist why not complete-2  
 LI905M3 waist why not complete-3  
 LI905M4 waist why not complete-4

## Wave 10:

MI831 measure r height  
 MI832M1 height reason not complete -1  
 MI832M2 height reason not complete -2  
 MI832M3 height reason not complete -3  
 MI832M4 height reason not complete -4  
 MI838 weight able to measure  
 MI839M1 weight reason not complete -1  
 MI839M2 weight reason not complete -2  
 MI839M3 weight reason not complete -3  
 MI839M4 weight reason not complete -4  
 MI904 waist complete  
 MI905M1 waist why not complete-1  
 MI905M2 waist why not complete-2

MI905M3 waist why not complete-3  
MI905M4 waist why not complete-4

Wave 11:

NI831 measure r height  
NI832M1 height reason not complete -1  
NI832M2 height reason not complete -2  
NI832M3 height reason not complete -3  
NI832M4 height reason not complete -4  
NI838 weight able to measure  
NI839M1 weight reason not complete -1  
NI839M2 weight reason not complete -2  
NI839M3 weight reason not complete -3  
NI839M4 weight reason not complete -4  
NI904 waist complete  
NI905M1 waist why not complete-1  
NI905M2 waist why not complete-2  
NI905M3 waist why not complete-3  
NI905M4 waist why not complete-4

Wave 12:

OI831 measure r height  
OI832M1 height reason not complete -1  
OI832M2 height reason not complete -2  
OI832M3 height reason not complete -3  
OI832M4 height reason not complete -4  
OI832M5 height reason not complete -5  
OI838 weight able to measure  
OI839M1 weight reason not complete -1  
OI839M2 weight reason not complete -2  
OI839M3 weight reason not complete -3  
OI839M4 weight reason not complete -4  
OI839M5 weight reason not complete -5  
OI904 waist complete  
OI905M1 waist why not complete-1  
OI905M2 waist why not complete-2  
OI905M3 waist why not complete-3  
OI905M4 waist why not complete-4

Wave 13:

PI831 measure r height  
PI832M1 height reason not complete -1  
PI832M2 height reason not complete -2  
PI832M3 height reason not complete -3  
PI832M4 height reason not complete -4  
PI838 weight able to measure  
PI839M1 weight reason not complete -1  
PI839M2 weight reason not complete -2  
PI839M3 weight reason not complete -3  
PI839M4 weight reason not complete -4  
PI904 waist complete  
PI905M1 waist why not complete-1  
PI905M2 waist why not complete-2  
PI905M3 waist why not complete-3  
PI905M4 waist why not complete-4

Wave 14:

QI831 measure r height  
QI832M1 height reason not complete -1  
QI832M2 height reason not complete -2  
QI832M3 height reason not complete -3  
QI832M4 height reason not complete -4  
QI838 weight able to measure  
QI839M1 weight reason not complete -1  
QI839M2 weight reason not complete -2  
QI839M3 weight reason not complete -3  
QI839M4 weight reason not complete -4

QI839M5	weight reason not complete - 5
QI904	waist complete
QI905M1	waist why not complete-1
QI905M2	waist why not complete-2
QI905M3	waist why not complete-3
QI905M4	waist why not complete-4

<b>Hearing Tests</b>
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Wave	Variable	Label	Type
13	R13HEAR_L1	r13hear_l1:w13 r left hearing test 1 (0-6)	Cont
14	R14HEAR_L1	r14hear_l1:w14 r left hearing test 1 (0-6)	Cont
13	S13HEAR_L1	s13hear_l1:w13 s left hearing test 1 (0-6)	Cont
14	S14HEAR_L1	s14hear_l1:w14 s left hearing test 1 (0-6)	Cont
13	R13HEAR_R1	r13hear_r1:w13 r right hearing test 1 (0-6)	Cont
14	R14HEAR_R1	r14hear_r1:w14 r right hearing test 1 (0-6)	Cont
13	S13HEAR_R1	s13hear_r1:w13 s right hearing test 1 (0-6)	Cont
14	S14HEAR_R1	s14hear_r1:w14 s right hearing test 1 (0-6)	Cont
13	R13HEAR_L2	r13hear_l2:w13 r left hearing test 2 (0-6)	Cont
14	R14HEAR_L2	r14hear_l2:w14 r left hearing test 2 (0-6)	Cont
13	S13HEAR_L2	s13hear_l2:w13 s left hearing test 2 (0-6)	Cont
14	S14HEAR_L2	s14hear_l2:w14 s left hearing test 2 (0-6)	Cont
13	R13HEAR_R2	r13hear_r2:w13 r right hearing test 2 (0-6)	Cont
14	R14HEAR_R2	r14hear_r2:w14 r right hearing test 2 (0-6)	Cont
13	S13HEAR_R2	s13hear_r2:w13 s right hearing test 2 (0-6)	Cont
14	S14HEAR_R2	s14hear_r2:w14 s right hearing test 2 (0-6)	Cont
13	R13HEAR_L	r13hear_l:w13 r left hearing test sum (0-12)	Cont
14	R14HEAR_L	r14hear_l:w14 r left hearing test sum (0-12)	Cont
13	S13HEAR_L	s13hear_l:w13 s left hearing test sum (0-12)	Cont
14	S14HEAR_L	s14hear_l:w14 s left hearing test sum (0-12)	Cont
13	R13HEAR_R	r13hear_r:w13 r right hearing test sum (0-12)	Cont
14	R14HEAR_R	r14hear_r:w14 r right hearing test sum (0-12)	Cont
13	S13HEAR_R	s13hear_r:w13 s right hearing test sum (0-12)	Cont
14	S14HEAR_R	s14hear_r:w14 s right hearing test sum (0-12)	Cont
13	R13HEARCOMP	r13hearcomp:w13 r willing and able to complete hearing test	Categ
14	R14HEARCOMP	r14hearcomp:w14 r willing and able to complete hearing test	Categ
13	S13HEARCOMP	s13hearcomp:w13 s willing and able to complete hearing test	Categ
14	S14HEARCOMP	s14hearcomp:w14 s willing and able to complete hearing test	Categ
13	R13HEAR_AID	r13hear_aid:w13 r wears hearing aid	Categ
14	R14HEAR_AID	r14hear_aid:w14 r wears hearing aid	Categ
13	S13HEAR_AID	s13hear_aid:w13 s wears hearing aid	Categ
14	S14HEAR_AID	s14hear_aid:w14 s wears hearing aid	Categ
13	R13HEAR_P	r13hear_p:w13 problems occurred during r's hearing test	Categ
14	R14HEAR_P	r14hear_p:w14 problems occurred during r's hearing test	Categ
13	S13HEAR_P	s13hear_p:w13 problems occurred during s's hearing test	Categ
14	S14HEAR_P	s14hear_p:w14 problems occurred during s's hearing test	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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R13HEAR_L1	8107	2.22	0.82	0.00	6.00
R14HEAR_L1	7091	2.22	0.81	0.00	4.00
S13HEAR_L1	4734	2.29	0.79	0.00	6.00
S14HEAR_L1	4032	2.29	0.78	0.00	4.00
R13HEAR_R1	8100	2.29	0.78	0.00	6.00
R14HEAR_R1	7081	2.28	0.79	0.00	4.00
S13HEAR_R1	4731	2.36	0.76	0.00	4.00
S14HEAR_R1	4025	2.36	0.75	0.00	4.00
R13HEAR_L2	8107	2.37	0.84	0.00	6.00
R14HEAR_L2	7089	2.31	0.87	0.00	4.00
S13HEAR_L2	4734	2.40	0.83	0.00	4.00
S14HEAR_L2	4031	2.33	0.86	0.00	3.00
R13HEAR_R2	8100	2.42	0.82	0.00	6.00
R14HEAR_R2	7081	2.36	0.85	0.00	3.00
S13HEAR_R2	4731	2.45	0.81	0.00	4.00
S14HEAR_R2	4025	2.39	0.84	0.00	3.00
R13HEAR_L	8107	4.60	1.40	0.00	11.00
R14HEAR_L	7089	4.52	1.43	0.00	8.00
S13HEAR_L	4734	4.68	1.37	0.00	9.00
S14HEAR_L	4031	4.62	1.38	0.00	7.00
R13HEAR_R	8100	4.71	1.38	0.00	12.00
R14HEAR_R	7081	4.64	1.41	0.00	7.00
S13HEAR_R	4731	4.81	1.33	0.00	7.00
S14HEAR_R	4025	4.75	1.35	0.00	7.00
R13HEARCOMP	8283	0.98	0.14	0.00	1.00
R14HEARCOMP	7285	0.97	0.16	0.00	1.00
S13HEARCOMP	4824	0.98	0.14	0.00	1.00
S14HEARCOMP	4133	0.98	0.15	0.00	1.00
R13HEAR_AID	8192	0.05	0.22	0.00	1.00
R14HEAR_AID	7203	0.06	0.24	0.00	1.00
S13HEAR_AID	4771	0.05	0.22	0.00	1.00
S14HEAR_AID	4089	0.06	0.23	0.00	1.00
R13HEAR_P	8107	0.17	0.37	0.00	1.00
R14HEAR_P	7091	0.23	0.42	0.00	1.00
S13HEAR_P	4734	0.16	0.37	0.00	1.00
S14HEAR_P	4032	0.22	0.41	0.00	1.00

### Categorical Variable Codes

Value-----|  
.:Skipped |  
0.no |  
1.yes |

R13HEARCOMP      R14HEARCOMP  
                  12629            9861  
                  176             194  
                  8107            7091

Value-----|

S13HEARCOMP      S14HEARCOMP

.s:Skipped		6954	5225
.u:not coupled		8025	6684
.v:SP NR		1109	1104
0.no		90	101
1.yes		4734	4032
Value-----		R13HEAR_AID	R14HEAR_AID
.m:Missing			82
.s:Skipped		12720	9861
0.no		7771	6771
1.yes		421	432
Value-----		S13HEAR_AID	S14HEAR_AID
.m:Missing			44
.s:Skipped		7007	5225
.u:not coupled		8025	6684
.v:SP NR		1109	1104
0.no		4520	3851
1.yes		251	238
Value-----		R13HEAR_P	R14HEAR_P
.m:Missing			185
.s:Skipped		12805	9870
0.no		6763	5489
1.yes		1344	1602
Value-----		S13HEAR_P	S14HEAR_P
.m:Missing			96
.s:Skipped		7044	5230
.u:not coupled		8025	6684
.v:SP NR		1109	1104
0.no		3978	3152
1.yes		756	880

### How Constructed:

For the hearing test, a HearCheck device is placed over each of the respondent's ears. Prior to the start of the test, the interviewer is instructed to remove any obstructions from the respondent's ears, such as long hair, glasses, jewelry, and hearing aids. The device plays a series of tones and the respondent is asked to raise their finger each time they hear a sound.

RwHEAR\_L1 and RwHEAR\_R1 indicate the number of tones the respondent correctly heard for the first test at 1,000 Hz in the left and right ears, respectively. RwHEAR\_L2 and RwHEAR\_R2 indicate the number of tones the respondent correctly heard for the second test at 3,000 Hz in the left and right ears, respectively. For each tone the respondent correctly hears, one is added to the score, with a maximum of 6 points, creating a scale of 0-6 for these variables. RwHEAR\_L and RwHEAR\_R are summary scores for the hearing tests and indicate the sum of the two tests for the left and right ears, respectively. RwHEAR\_L and RwHEAR\_R range from 0-12. Special missing .r and .m are assigned if the respondent refused to complete the test or has an otherwise missing response, respectively. Special missing .x is assigned if the respondent tried to do the test but was unable to do it or received an error message. Special missing .n is assigned if the respondent did not complete the test due to a variety of reasons, including safety concerns or the respondent did not understand the instructions. RwHEAR\_L1, RwHEAR\_R1, RwHEAR\_L2, RwHEAR\_R2, RwHEAR\_L, and RwHEAR\_R are assigned special missing .s if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. These measures are assigned plain missing (.) if the respondent did not respond to the current wave.

SwHEAR\_L1, SwHEAR\_R1, SwHEAR\_L2, SwHEAR\_R2, SwHEAR\_L, and SwHEAR\_R indicate the first, second, and total hearing score for the left and right ears of the respondent's current wave's spouse, and their values are taken from the spouse's value to RwHEAR\_L1, RwHEAR\_R1, RwHEAR\_L2, RwHEAR\_R2, RwHEAR\_L, and RwHEAR\_R. In addition to the special missing codes employed by RwHEAR\_L1, RwHEAR\_R1, RwHEAR\_L2, RwHEAR\_R2, RwHEAR\_L, and RwHEAR\_R, SwHEAR\_L1, SwHEAR\_R1, SwHEAR\_L2, SwHEAR\_R2, SwHEAR\_L, and SwHEAR\_R employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHEARCOMP indicates whether the respondent was willing and able to complete the hearing tests. RwHEARCOMP is coded as 1 if the respondent understood the directions for the test, the respondent felt it

would be safe to complete the test, and the respondent completed at least one of the hearing tests. RwHEARCOMP is coded as 0 if the respondent did not understand the instructions, expressed safety concerns, had a cochlear implant, had an ear infection in either ear, was wearing hearing aids and was not willing to remove them, or did not complete any of the hearing tests. Special missing .r and .m are assigned if the respondent refused to complete the test or has an otherwise missing response, respectively. RwHEARCOMP is assigned special missing .s if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. RwHEARCOMP is assigned plain missing (.) if the respondent did not respond to the current wave.

SwHEARCOMP indicates whether the respondent's current wave's spouse was willing and able to complete the hearing tests, and its values are taken from the spouse's value to RwHEARCOMP. In addition to the special missing codes employed by RwHEARCOMP, SwHEARCOMP employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHEAR\_AID indicates whether the respondent was wearing a hearing aid in one or both ears when asked to participate in the hearing test. RwHEAR\_AID is coded as 0 if the respondent was not wearing any hearing aids when asked to participate, and is coded as 1 if the respondent was wearing a hearing aid when asked to participate. If the respondent agreed to participate in the test, they were instructed to remove the hearing aids for the test. Special missing .r and .m are assigned if the respondent refused to complete the test or has an otherwise missing response, respectively. RwHEAR\_AID is assigned special missing .s if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. RwHEAR\_AID is assigned plain missing (.) if the respondent did not respond to the current wave.

SwHEAR\_AID indicates whether the respondent's current wave's spouse was wearing any hearing aids, and its values are taken from the spouse's value to RwHEAR\_AID. In addition to the special missing codes employed by RwHEAR\_AID, SwHEAR\_AID employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHEAR\_P indicates whether any problems occurred during the respondent's hearing test. RwHEAR\_P is coded as 0 if no problems occurred during the hearing test. RwHEAR\_P is coded as 1 if the interviewer indicates that any of the following problems occurred during the hearing test: background noise interfered with the hearing test, problem with equipment or supplies, had to restart the test, respondent removed obstructions (glasses, earrings, etc.), respondent removed hearing aid, respondent took action to reduce background noise (turned down television, asked household members for quiet, etc.), respondent raised their finger more than three times for a single test, or another problem occurred. Special missing .r and .m are assigned if the respondent refused to complete the test or has an otherwise missing response, respectively. RwHEAR\_P is assigned special missing .s if the questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. RwHEAR\_P is assigned plain missing (.) if the respondent did not respond to the current wave.

SwHEAR\_P indicates whether any problems occurred during the respondent's current wave's spouse's hearing test, and its values are taken from the spouse's values to RwHEAR\_P. In addition to the special missing codes employed by RwHEAR\_P, SwHEAR\_P employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The hearing tests begin in Wave 13.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

## HRS Variables Used:

Wave 13:



PI672 have cochlear implant  
PI673 have ear infection  
PI674 willing to remove aid for hearing test  
PI675 r felt safe to do hearing test  
PI678 hearing test 1 - left ear  
PI679 hearing test 2 - left ear  
PI680 hearing test 1 - right ear  
PI681 hearing test 2 - right ear  
PI682 completed at least one hearing test  
PI683M1 hearing test problems - 1  
PI683M2 hearing test problems - 2  
PI683M3 hearing test problems - 3  
PI683M4 hearing test problems - 4  
PI946 currently wearing hearing aid

## Wave 14:

QI672 have cochlear implant  
QI673 have ear infection  
QI674 willing to remove aid for hearing test  
QI675 r felt safe to do hearing test  
QI678 hearing test 1 - left ear  
QI679 hearing test 2 - left ear  
QI680 hearing test 1 - right ear  
QI681 hearing test 2 - right ear  
QI682 completed at least one hearing test  
QI683M1 hearing test problems - 1  
QI683M2 hearing test problems - 2  
QI683M3 hearing test problems - 3  
QI683M4 hearing test problems - 4  
QI946 currently wearing hearing aid

<b>Hearing Tests: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
13	R13HEARSFT	r13hearsft:w13 r didn't complete hearing test: unsafe/health	Categ
14	R14HEARSFT	r14hearsft:w14 r didn't complete hearing test: unsafe/health	Categ
13	S13HEARSFT	s13hearsft:w13 s didn't complete hearing test: unsafe/health	Categ
14	S14HEARSFT	s14hearsft:w14 s didn't complete hearing test: unsafe/health	Categ
13	R13HEARREF	r13hearref:w13 r didn't complete hearing test: refused	Categ
14	R14HEARREF	r14hearref:w14 r didn't complete hearing test: refused	Categ
13	S13HEARREF	s13hearref:w13 s didn't complete hearing test: refused	Categ
14	S14HEARREF	s14hearref:w14 s didn't complete hearing test: refused	Categ
13	R13HEARTRYU	r13heartryu:w13 r didn't complete hearing test: tried but un	Categ
14	R14HEARTRYU	r14heartryu:w14 r didn't complete hearing test: tried but un	Categ
13	S13HEARTRYU	s13heartryu:w13 s didn't complete hearing test: tried but un	Categ
14	S14HEARTRYU	s14heartryu:w14 s didn't complete hearing test: tried but un	Categ
13	R13HEAREQUP	r13hearequp:w13 r didn't complete hearing test: faulty equip	Categ
14	R14HEAREQUP	r14hearequp:w14 r didn't complete hearing test: faulty equip	Categ
13	S13HEAREQUP	s13hearequp:w13 s didn't complete hearing test: faulty equip	Categ
14	S14HEAREQUP	s14hearequp:w14 s didn't complete hearing test: faulty equip	Categ
13	R13HEAROTHR	r13hearothr:w13 r didn't complete hearing test: other reason	Categ
14	R14HEAROTHR	r14hearothr:w14 r didn't complete hearing test: other reason	Categ
13	S13HEAROTHR	s13hearothr:w13 s didn't complete hearing test: other reason	Categ
14	S14HEAROTHR	s14hearothr:w14 s didn't complete hearing test: other reason	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R13HEARSFT	176	0.60	0.49	0.00	1.00
R14HEARSFT	193	0.53	0.50	0.00	1.00
S13HEARSFT	90	0.61	0.49	0.00	1.00
S14HEARSFT	101	0.56	0.50	0.00	1.00
R13HEARREF	176	0.30	0.46	0.00	1.00
R14HEARREF	193	0.20	0.40	0.00	1.00
S13HEARREF	90	0.30	0.46	0.00	1.00
S14HEARREF	101	0.16	0.37	0.00	1.00
R13HEARTRYU	176	0.02	0.13	0.00	1.00
R14HEARTRYU	193	0.01	0.07	0.00	1.00
S13HEARTRYU	90	0.01	0.11	0.00	1.00
S14HEARTRYU	101	0.01	0.10	0.00	1.00
R13HEAREQUP	176	0.07	0.25	0.00	1.00
R14HEAREQUP	193	0.21	0.41	0.00	1.00
S13HEAREQUP	90	0.07	0.25	0.00	1.00
S14HEAREQUP	101	0.24	0.43	0.00	1.00

R13HEAROTHR	174	0.03	0.18	0.00	1.00
R14HEAROTHR	188	0.12	0.32	0.00	1.00
S13HEAROTHR	90	0.02	0.15	0.00	1.00
S14HEAROTHR	98	0.09	0.29	0.00	1.00

**Categorical Variable Codes**

Value-----	R13HEARSFT	R14HEARSFT
.c:completed test	8107	7091
.d:DK		1
.s:Skipped	12629	9861
0.no	70	90
1.yes	106	103
Value-----	S13HEARSFT	S14HEARSFT
.c:completed test	4734	4032
.s:Skipped	6954	5225
.u:not coupled	8025	6684
.v:SP NR	1109	1104
0.no	35	44
1.yes	55	57
Value-----	R13HEARREF	R14HEARREF
.c:completed test	8107	7091
.d:DK		1
.s:Skipped	12629	9861
0.no	123	155
1.yes	53	38
Value-----	S13HEARREF	S14HEARREF
.c:completed test	4734	4032
.s:Skipped	6954	5225
.u:not coupled	8025	6684
.v:SP NR	1109	1104
0.no	63	85
1.yes	27	16
Value-----	R13HEARTRYU	R14HEARTRYU
.c:completed test	8107	7091
.d:DK		1
.s:Skipped	12629	9861
0.no	173	192
1.yes	3	1
Value-----	S13HEARTRYU	S14HEARTRYU
.c:completed test	4734	4032
.s:Skipped	6954	5225
.u:not coupled	8025	6684
.v:SP NR	1109	1104
0.no	89	100
1.yes	1	1
Value-----	R13HEAREQUP	R14HEAREQUP
.c:completed test	8107	7091
.d:DK		1
.s:Skipped	12629	9861
0.no	164	152
1.yes	12	41
Value-----	S13HEAREQUP	S14HEAREQUP
.c:completed test	4734	4032
.s:Skipped	6954	5225
.u:not coupled	8025	6684
.v:SP NR	1109	1104
0.no	84	77
1.yes	6	24
Value-----	R13HEAROTHR	R14HEAROTHR
.c:completed test	8107	7091
.d:DK		1
.m:Missing		4

.s:Skipped		12631	9862
0.no		168	166
1.yes		6	22
Value-----		S13HEAROTHR	S14HEAROTHR
.c:completed test		4734	4032
.m:Missing			3
.s:Skipped		6954	5225
.u:not coupled		8025	6684
.v:SP NR		1109	1104
0.no		88	89
1.yes		2	9

### How Constructed:

RwHEARSFT, RwHEARREF, RwHEARTRYU, RwHEAREQUP, and RwHEAROTHR indicate the reasons for the respondent not taking part in the hearing test as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the hearing test. RwHEARSFT indicates whether the respondent did not participate in the hearing test because they felt it would not be safe, or the interviewer felt it would be unsafe. RwHEARREF indicates whether the respondent did not participate in the hearing test because they refused, with no reason given, or they were not willing to remove glasses, earrings, headwear, etc. RwHEARTRYU indicates whether the respondent did not participate in the hearing test because they tried but were unable to complete the test. RwHEAREQUP indicates whether the respondent did not participate in the hearing test because of either problems with equipment/supplies, not having a suitable space, or background noise prevented the execution of the test. RwHEAROTHR indicates whether the respondent did not participate in the hearing test because either they did not understand the instructions, or because of another reason. RwHEARSFT, RwHEARREF, RwHEARTRYU, RwHEAREQUP, and RwHEAROTHR are coded as 0 if the specific reason was not given for the respondent not completing the hearing test, and are coded as 1 if the specific reason was given. Don't know, refuse, and other missing responses to RwHEARSFT, RwHEARREF, RwHEARTRYU, RwHEAREQUP, and RwHEAROTHR are set to special missing .d, .r, and .m, respectively. Special missing .c is assigned if the respondent completed at least one of the hearing tests. Special missing .s is assigned if the physical measure questions were skipped because the respondent was not selected for a face-to-face interview, was not selected for an enhanced face-to-face interview, or was living in the nursing home. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwHEARSFT, SwHEARREF, SwHEARTRYU, SwHEAREQUP, and SwHEAROTHR indicate the reasons for the respondent's current wave's spouse not taking part in the hearing test, and their values are taken from the spouse's values to RwHEARSFT, RwHEARREF, RwHEARTRYU, RwHEAREQUP, and RwHEAROTHR. In addition to the special missing codes employed by RwHEARSFT, RwHEARREF, RwHEARTRYU, RwHEAREQUP, and RwHEAROTHR, SwHEARSFT, SwHEARREF, SwHEARTRYU, SwHEAREQUP, and SwHEAROTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

The hearing tests begin in Wave 13, therefore the reasons for the respondent not taking part in the hearing test as reported by the interviewer are also available starting in Wave 13.

No physical measures were collected in Wave 15 as a result of the COVID-19 pandemic.

### HRS Variables Used:

#### Wave 13:

PI682	completed at least one hearing test
PI685M1	why hearing test not complete - 1
PI685M2	why hearing test not complete - 2
PI685M3	why hearing test not complete - 3
PI685M4	why hearing test not complete - 4

#### Wave 14:

QI682	completed at least one hearing test
QI685M1	why hearing test not complete - 1
QI685M2	why hearing test not complete - 2

QI685M3            why hearing test not complete - 3  
QI685M4            why hearing test not complete - 4

## **Section L: Assistance and Caregiving**

<b>IADL Help</b>
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Wave	Variable	Label	Type
03	R3MEALHLP	r3mealhlp:w3 whether anyone helps r with meal preparation	Categ
04	R4MEALHLP	r4mealhlp:w4 whether anyone helps r with meal preparation	Categ
05	R5MEALHLP	r5mealhlp:w5 whether anyone helps r with meal preparation	Categ
06	R6MEALHLP	r6mealhlp:w6 whether anyone helps r with meal preparation	Categ
07	R7MEALHLP	r7mealhlp:w7 whether anyone helps r with meal preparation	Categ
08	R8MEALHLP	r8mealhlp:w8 whether anyone helps r with meal preparation	Categ
09	R9MEALHLP	r9mealhlp:w9 whether anyone helps r with meal preparation	Categ
10	R10MEALHLP	r10mealhlp:w10 whether anyone helps r with meal preparation	Categ
11	R11MEALHLP	r11mealhlp:w11 whether anyone helps r with meal preparation	Categ
12	R12MEALHLP	r12mealhlp:w12 whether anyone helps r with meal preparation	Categ
13	R13MEALHLP	r13mealhlp:w13 whether anyone helps r with meal preparation	Categ
14	R14MEALHLP	r14mealhlp:w14 whether anyone helps r with meal preparation	Categ
15	R15MEALHLP	r15mealhlp:w15 whether anyone helps r with meal preparation	Categ
03	S3MEALHLP	s3mealhlp:w3 whether anyone helps s with meal preparation	Categ
04	S4MEALHLP	s4mealhlp:w4 whether anyone helps s with meal preparation	Categ
05	S5MEALHLP	s5mealhlp:w5 whether anyone helps s with meal preparation	Categ
06	S6MEALHLP	s6mealhlp:w6 whether anyone helps s with meal preparation	Categ
07	S7MEALHLP	s7mealhlp:w7 whether anyone helps s with meal preparation	Categ
08	S8MEALHLP	s8mealhlp:w8 whether anyone helps s with meal preparation	Categ
09	S9MEALHLP	s9mealhlp:w9 whether anyone helps s with meal preparation	Categ
10	S10MEALHLP	s10mealhlp:w10 whether anyone helps s with meal preparation	Categ
11	S11MEALHLP	s11mealhlp:w11 whether anyone helps s with meal preparation	Categ
12	S12MEALHLP	s12mealhlp:w12 whether anyone helps s with meal preparation	Categ
13	S13MEALHLP	s13mealhlp:w13 whether anyone helps s with meal preparation	Categ
14	S14MEALHLP	s14mealhlp:w14 whether anyone helps s with meal preparation	Categ
15	S15MEALHLP	s15mealhlp:w15 whether anyone helps s with meal preparation	Categ
03	R3SHOPHLP	r3shophlp:w3 whether anyone helps r with grocery shopping	Categ
04	R4SHOPHLP	r4shophlp:w4 whether anyone helps r with grocery shopping	Categ
05	R5SHOPHLP	r5shophlp:w5 whether anyone helps r with grocery shopping	Categ
06	R6SHOPHLP	r6shophlp:w6 whether anyone helps r with grocery shopping	Categ
07	R7SHOPHLP	r7shophlp:w7 whether anyone helps r with grocery shopping	Categ
08	R8SHOPHLP	r8shophlp:w8 whether anyone helps r with grocery shopping	Categ
09	R9SHOPHLP	r9shophlp:w9 whether anyone helps r with grocery shopping	Categ
10	R10SHOPHLP	r10shophlp:w10 whether anyone helps r with grocery shopping	Categ
11	R11SHOPHLP	r11shophlp:w11 whether anyone helps r with grocery shopping	Categ
12	R12SHOPHLP	r12shophlp:w12 whether anyone helps r with grocery shopping	Categ
13	R13SHOPHLP	r13shophlp:w13 whether anyone helps r with grocery shopping	Categ
14	R14SHOPHLP	r14shophlp:w14 whether anyone helps r with grocery shopping	Categ
15	R15SHOPHLP	r15shophlp:w15 whether anyone helps r with grocery shopping	Categ
03	S3SHOPHLP	s3shophlp:w3 whether anyone helps s with grocery shopping	Categ
04	S4SHOPHLP	s4shophlp:w4 whether anyone helps s with grocery shopping	Categ
05	S5SHOPHLP	s5shophlp:w5 whether anyone helps s with grocery shopping	Categ
06	S6SHOPHLP	s6shophlp:w6 whether anyone helps s with grocery shopping	Categ
07	S7SHOPHLP	s7shophlp:w7 whether anyone helps s with grocery shopping	Categ
08	S8SHOPHLP	s8shophlp:w8 whether anyone helps s with grocery shopping	Categ
09	S9SHOPHLP	s9shophlp:w9 whether anyone helps s with grocery shopping	Categ
10	S10SHOPHLP	s10shophlp:w10 whether anyone helps s with grocery shopping	Categ
11	S11SHOPHLP	s11shophlp:w11 whether anyone helps s with grocery shopping	Categ
12	S12SHOPHLP	s12shophlp:w12 whether anyone helps s with grocery shopping	Categ
13	S13SHOPHLP	s13shophlp:w13 whether anyone helps s with grocery shopping	Categ
14	S14SHOPHLP	s14shophlp:w14 whether anyone helps s with grocery shopping	Categ
15	S15SHOPHLP	s15shophlp:w15 whether anyone helps s with grocery shopping	Categ
03	R3PHONEHLP	r3phonehlp:w3 whether anyone helps r with phone calls	Categ

04	R4PHONEHLP	r4phonehlp:w4 whether anyone helps r with phone calls	Categ
05	R5PHONEHLP	r5phonehlp:w5 whether anyone helps r with phone calls	Categ
06	R6PHONEHLP	r6phonehlp:w6 whether anyone helps r with phone calls	Categ
07	R7PHONEHLP	r7phonehlp:w7 whether anyone helps r with phone calls	Categ
08	R8PHONEHLP	r8phonehlp:w8 whether anyone helps r with phone calls	Categ
09	R9PHONEHLP	r9phonehlp:w9 whether anyone helps r with phone calls	Categ
10	R10PHONEHLP	r10phonehlp:w10 whether anyone helps r with phone calls	Categ
11	R11PHONEHLP	r11phonehlp:w11 whether anyone helps r with phone calls	Categ
12	R12PHONEHLP	r12phonehlp:w12 whether anyone helps r with phone calls	Categ
13	R13PHONEHLP	r13phonehlp:w13 whether anyone helps r with phone calls	Categ
14	R14PHONEHLP	r14phonehlp:w14 whether anyone helps r with phone calls	Categ
15	R15PHONEHLP	r15phonehlp:w15 whether anyone helps r with phone calls	Categ
03	S3PHONEHLP	s3phonehlp:w3 whether anyone helps s with phone calls	Categ
04	S4PHONEHLP	s4phonehlp:w4 whether anyone helps s with phone calls	Categ
05	S5PHONEHLP	s5phonehlp:w5 whether anyone helps s with phone calls	Categ
06	S6PHONEHLP	s6phonehlp:w6 whether anyone helps s with phone calls	Categ
07	S7PHONEHLP	s7phonehlp:w7 whether anyone helps s with phone calls	Categ
08	S8PHONEHLP	s8phonehlp:w8 whether anyone helps s with phone calls	Categ
09	S9PHONEHLP	s9phonehlp:w9 whether anyone helps s with phone calls	Categ
10	S10PHONEHLP	s10phonehlp:w10 whether anyone helps s with phone calls	Categ
11	S11PHONEHLP	s11phonehlp:w11 whether anyone helps s with phone calls	Categ
12	S12PHONEHLP	s12phonehlp:w12 whether anyone helps s with phone calls	Categ
13	S13PHONEHLP	s13phonehlp:w13 whether anyone helps s with phone calls	Categ
14	S14PHONEHLP	s14phonehlp:w14 whether anyone helps s with phone calls	Categ
15	S15PHONEHLP	s15phonehlp:w15 whether anyone helps s with phone calls	Categ
03	R3MEDHLP	r3medhlp:w3 whether anyone helps r with taking medication	Categ
04	R4MEDHLP	r4medhlp:w4 whether anyone helps r with taking medication	Categ
05	R5MEDHLP	r5medhlp:w5 whether anyone helps r with taking medication	Categ
06	R6MEDHLP	r6medhlp:w6 whether anyone helps r with taking medication	Categ
07	R7MEDHLP	r7medhlp:w7 whether anyone helps r with taking medication	Categ
08	R8MEDHLP	r8medhlp:w8 whether anyone helps r with taking medication	Categ
09	R9MEDHLP	r9medhlp:w9 whether anyone helps r with taking medication	Categ
10	R10MEDHLP	r10medhlp:w10 whether anyone helps r with taking medication	Categ
11	R11MEDHLP	r11medhlp:w11 whether anyone helps r with taking medication	Categ
12	R12MEDHLP	r12medhlp:w12 whether anyone helps r with taking medication	Categ
13	R13MEDHLP	r13medhlp:w13 whether anyone helps r with taking medication	Categ
14	R14MEDHLP	r14medhlp:w14 whether anyone helps r with taking medication	Categ
15	R15MEDHLP	r15medhlp:w15 whether anyone helps r with taking medication	Categ
03	S3MEDHLP	s3medhlp:w3 whether anyone helps s with taking medication	Categ
04	S4MEDHLP	s4medhlp:w4 whether anyone helps s with taking medication	Categ
05	S5MEDHLP	s5medhlp:w5 whether anyone helps s with taking medication	Categ
06	S6MEDHLP	s6medhlp:w6 whether anyone helps s with taking medication	Categ
07	S7MEDHLP	s7medhlp:w7 whether anyone helps s with taking medication	Categ
08	S8MEDHLP	s8medhlp:w8 whether anyone helps s with taking medication	Categ
09	S9MEDHLP	s9medhlp:w9 whether anyone helps s with taking medication	Categ
10	S10MEDHLP	s10medhlp:w10 whether anyone helps s with taking medication	Categ
11	S11MEDHLP	s11medhlp:w11 whether anyone helps s with taking medication	Categ
12	S12MEDHLP	s12medhlp:w12 whether anyone helps s with taking medication	Categ
13	S13MEDHLP	s13medhlp:w13 whether anyone helps s with taking medication	Categ
14	S14MEDHLP	s14medhlp:w14 whether anyone helps s with taking medication	Categ
15	S15MEDHLP	s15medhlp:w15 whether anyone helps s with taking medication	Categ
03	R3MONEYHLP	r3moneyhlp:w3 whether anyone helps r with managing money	Categ
04	R4MONEYHLP	r4moneyhlp:w4 whether anyone helps r with managing money	Categ
05	R5MONEYHLP	r5moneyhlp:w5 whether anyone helps r with managing money	Categ
06	R6MONEYHLP	r6moneyhlp:w6 whether anyone helps r with managing money	Categ
07	R7MONEYHLP	r7moneyhlp:w7 whether anyone helps r with managing money	Categ
08	R8MONEYHLP	r8moneyhlp:w8 whether anyone helps r with managing money	Categ
09	R9MONEYHLP	r9moneyhlp:w9 whether anyone helps r with managing money	Categ
10	R10MONEYHLP	r10moneyhlp:w10 whether anyone helps r with managing money	Categ



11	R11MONEYHLP	r11moneyhlp:w11	whether anyone helps r with managing money	Categ
12	R12MONEYHLP	r12moneyhlp:w12	whether anyone helps r with managing money	Categ
13	R13MONEYHLP	r13moneyhlp:w13	whether anyone helps r with managing money	Categ
14	R14MONEYHLP	r14moneyhlp:w14	whether anyone helps r with managing money	Categ
15	R15MONEYHLP	r15moneyhlp:w15	whether anyone helps r with managing money	Categ
03	S3MONEYHLP	s3moneyhlp:w3	whether anyone helps s with managing money	Categ
04	S4MONEYHLP	s4moneyhlp:w4	whether anyone helps s with managing money	Categ
05	S5MONEYHLP	s5moneyhlp:w5	whether anyone helps s with managing money	Categ
06	S6MONEYHLP	s6moneyhlp:w6	whether anyone helps s with managing money	Categ
07	S7MONEYHLP	s7moneyhlp:w7	whether anyone helps s with managing money	Categ
08	S8MONEYHLP	s8moneyhlp:w8	whether anyone helps s with managing money	Categ
09	S9MONEYHLP	s9moneyhlp:w9	whether anyone helps s with managing money	Categ
10	S10MONEYHLP	s10moneyhlp:w10	whether anyone helps s with managing money	Categ
11	S11MONEYHLP	s11moneyhlp:w11	whether anyone helps s with managing money	Categ
12	S12MONEYHLP	s12moneyhlp:w12	whether anyone helps s with managing money	Categ
13	S13MONEYHLP	s13moneyhlp:w13	whether anyone helps s with managing money	Categ
14	S14MONEYHLP	s14moneyhlp:w14	whether anyone helps s with managing money	Categ
15	S15MONEYHLP	s15moneyhlp:w15	whether anyone helps s with managing money	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3MEALHLP	1240	0.80	0.40	0.00	1.00
R4MEALHLP	1168	0.79	0.40	0.00	1.00
R5MEALHLP	1087	0.78	0.41	0.00	1.00
R6MEALHLP	1078	0.80	0.40	0.00	1.00
R7MEALHLP	1089	0.81	0.40	0.00	1.00
R8MEALHLP	1065	0.80	0.40	0.00	1.00
R9MEALHLP	1005	0.78	0.42	0.00	1.00
R10MEALHLP	1315	0.77	0.42	0.00	1.00
R11MEALHLP	1336	0.78	0.42	0.00	1.00
R12MEALHLP	1243	0.76	0.43	0.00	1.00
R13MEALHLP	1299	0.78	0.42	0.00	1.00
R14MEALHLP	1092	0.76	0.43	0.00	1.00
R15MEALHLP	977	0.77	0.42	0.00	1.00
S3MEALHLP	527	0.80	0.40	0.00	1.00
S4MEALHLP	563	0.85	0.36	0.00	1.00
S5MEALHLP	520	0.84	0.37	0.00	1.00
S6MEALHLP	475	0.85	0.36	0.00	1.00
S7MEALHLP	502	0.84	0.36	0.00	1.00
S8MEALHLP	517	0.84	0.37	0.00	1.00
S9MEALHLP	436	0.84	0.37	0.00	1.00
S10MEALHLP	595	0.81	0.39	0.00	1.00
S11MEALHLP	623	0.82	0.39	0.00	1.00
S12MEALHLP	560	0.79	0.41	0.00	1.00
S13MEALHLP	529	0.84	0.36	0.00	1.00
S14MEALHLP	464	0.85	0.36	0.00	1.00
S15MEALHLP	396	0.85	0.36	0.00	1.00
R3SHOPHLP	1888	0.83	0.37	0.00	1.00
R4SHOPHLP	1860	0.88	0.33	0.00	1.00
R5SHOPHLP	1643	0.85	0.35	0.00	1.00
R6SHOPHLP	1582	0.86	0.35	0.00	1.00
R7SHOPHLP	1680	0.86	0.35	0.00	1.00
R8SHOPHLP	1699	0.86	0.35	0.00	1.00
R9SHOPHLP	1499	0.85	0.36	0.00	1.00
R10SHOPHLP	1973	0.83	0.38	0.00	1.00
R11SHOPHLP	1941	0.82	0.38	0.00	1.00
R12SHOPHLP	1831	0.82	0.38	0.00	1.00
R13SHOPHLP	1964	0.82	0.39	0.00	1.00

R14SHOPHLP	1616	0.82	0.39	0.00	1.00
R15SHOPHLP	1503	0.83	0.38	0.00	1.00
S3SHOPHLP	804	0.84	0.37	0.00	1.00
S4SHOPHLP	863	0.87	0.34	0.00	1.00
S5SHOPHLP	771	0.87	0.34	0.00	1.00
S6SHOPHLP	684	0.86	0.35	0.00	1.00
S7SHOPHLP	753	0.87	0.33	0.00	1.00
S8SHOPHLP	789	0.86	0.35	0.00	1.00
S9SHOPHLP	661	0.85	0.36	0.00	1.00
S10SHOPHLP	875	0.85	0.36	0.00	1.00
S11SHOPHLP	881	0.86	0.35	0.00	1.00
S12SHOPHLP	809	0.84	0.37	0.00	1.00
S13SHOPHLP	830	0.83	0.37	0.00	1.00
S14SHOPHLP	662	0.85	0.36	0.00	1.00
S15SHOPHLP	602	0.84	0.36	0.00	1.00
R3PHONEHLP	919	0.71	0.45	0.00	1.00
R4PHONEHLP	1114	0.70	0.46	0.00	1.00
R5PHONEHLP	1003	0.65	0.48	0.00	1.00
R6PHONEHLP	1042	0.70	0.46	0.00	1.00
R7PHONEHLP	1007	0.71	0.45	0.00	1.00
R8PHONEHLP	1003	0.69	0.46	0.00	1.00
R9PHONEHLP	980	0.65	0.48	0.00	1.00
R10PHONEHLP	1260	0.70	0.46	0.00	1.00
R11PHONEHLP	1183	0.69	0.46	0.00	1.00
R12PHONEHLP	1140	0.72	0.45	0.00	1.00
R13PHONEHLP	1044	0.70	0.46	0.00	1.00
R14PHONEHLP	812	0.75	0.43	0.00	1.00
R15PHONEHLP	675	0.74	0.44	0.00	1.00
S3PHONEHLP	459	0.73	0.45	0.00	1.00
S4PHONEHLP	551	0.75	0.43	0.00	1.00
S5PHONEHLP	459	0.69	0.46	0.00	1.00
S6PHONEHLP	451	0.76	0.42	0.00	1.00
S7PHONEHLP	426	0.76	0.43	0.00	1.00
S8PHONEHLP	444	0.75	0.43	0.00	1.00
S9PHONEHLP	406	0.70	0.46	0.00	1.00
S10PHONEHLP	553	0.76	0.43	0.00	1.00
S11PHONEHLP	493	0.73	0.44	0.00	1.00
S12PHONEHLP	473	0.75	0.43	0.00	1.00
S13PHONEHLP	424	0.75	0.43	0.00	1.00
S14PHONEHLP	328	0.81	0.39	0.00	1.00
S15PHONEHLP	259	0.77	0.42	0.00	1.00
R3MEDHLP	699	0.77	0.42	0.00	1.00
R4MEDHLP	629	0.70	0.46	0.00	1.00
R5MEDHLP	551	0.71	0.45	0.00	1.00
R6MEDHLP	563	0.75	0.44	0.00	1.00
R7MEDHLP	610	0.73	0.44	0.00	1.00
R8MEDHLP	627	0.69	0.46	0.00	1.00
R9MEDHLP	600	0.73	0.45	0.00	1.00
R10MEDHLP	795	0.68	0.47	0.00	1.00
R11MEDHLP	780	0.73	0.45	0.00	1.00
R12MEDHLP	732	0.70	0.46	0.00	1.00
R13MEDHLP	775	0.65	0.48	0.00	1.00
R14MEDHLP	621	0.66	0.48	0.00	1.00
R15MEDHLP	556	0.68	0.47	0.00	1.00
S3MEDHLP	327	0.73	0.45	0.00	1.00
S4MEDHLP	338	0.71	0.46	0.00	1.00
S5MEDHLP	289	0.71	0.45	0.00	1.00
S6MEDHLP	279	0.71	0.46	0.00	1.00

S7MEDHLP	316	0.72	0.45	0.00	1.00
S8MEDHLP	318	0.69	0.46	0.00	1.00
S9MEDHLP	296	0.68	0.47	0.00	1.00
S10MEDHLP	368	0.71	0.46	0.00	1.00
S11MEDHLP	370	0.72	0.45	0.00	1.00
S12MEDHLP	318	0.70	0.46	0.00	1.00
S13MEDHLP	336	0.69	0.46	0.00	1.00
S14MEDHLP	279	0.70	0.46	0.00	1.00
S15MEDHLP	239	0.72	0.45	0.00	1.00
R3MONEYHLP	1246	0.83	0.37	0.00	1.00
R4MONEYHLP	1427	0.85	0.35	0.00	1.00
R5MONEYHLP	1369	0.89	0.32	0.00	1.00
R6MONEYHLP	1381	0.87	0.34	0.00	1.00
R7MONEYHLP	1400	0.83	0.38	0.00	1.00
R8MONEYHLP	1384	0.86	0.34	0.00	1.00
R9MONEYHLP	1350	0.83	0.37	0.00	1.00
R10MONEYHLP	1924	0.74	0.44	0.00	1.00
R11MONEYHLP	1714	0.78	0.42	0.00	1.00
R12MONEYHLP	1712	0.76	0.43	0.00	1.00
R13MONEYHLP	1711	0.73	0.45	0.00	1.00
R14MONEYHLP	1314	0.71	0.45	0.00	1.00
R15MONEYHLP	1075	0.74	0.44	0.00	1.00
S3MONEYHLP	510	0.81	0.39	0.00	1.00
S4MONEYHLP	578	0.85	0.36	0.00	1.00
S5MONEYHLP	519	0.87	0.34	0.00	1.00
S6MONEYHLP	504	0.86	0.35	0.00	1.00
S7MONEYHLP	546	0.84	0.37	0.00	1.00
S8MONEYHLP	512	0.83	0.38	0.00	1.00
S9MONEYHLP	468	0.82	0.38	0.00	1.00
S10MONEYHLP	803	0.73	0.44	0.00	1.00
S11MONEYHLP	694	0.76	0.43	0.00	1.00
S12MONEYHLP	672	0.76	0.43	0.00	1.00
S13MONEYHLP	654	0.74	0.44	0.00	1.00
S14MONEYHLP	506	0.72	0.45	0.00	1.00
S15MONEYHLP	401	0.76	0.43	0.00	1.00

### Categorical Variable Codes

Value-----	R3MEALHLP	R4MEALHLP	R5MEALHLP		
.d:DK		1	1	1	
.j:do not do		969	1102	1082	
.m:Missing		38	26	21	
.n:lives in nursing home			302	350	
.r:Refuse		4	4	3	
.x:no condition-skipped		15739	18781	17034	
0.no		252	240	238	
1.yes		988	928	849	
Value-----	R6MEALHLP	R7MEALHLP	R8MEALHLP	R9MEALHLP	R10MEALHLP
.d:DK		1		2	1
.j:do not do	1039	1046	846	755	555
.m:Missing	7	8	7	8	135
.n:lives in nursing home	352	354	332	351	375
.r:Refuse		5	3	1	5
.t:can not do		1			
.x:no condition-skipped	15689	17625	16216	15095	19648
0.no	212	212	214	223	306
1.yes	866	877	851	782	1009
Value-----	R11MEALHLP	R12MEALHLP	R13MEALHLP	R14MEALHLP	R15MEALHLP
.d:DK	4	2	5	6	6
.j:do not do	496	392	392	282	224
.m:Missing	17	15	34	27	74
.n:lives in nursing home	357	318	301	200	142
.r:Refuse	3	1	1	3	2

.x:no condition-skipped	18341	16776	18880	15536	14298
0.no	297	301	287	264	222
1.yes	1039	942	1012	828	755
Value-----			S3MEALHLP	S4MEALHLP	S5MEALHLP
.j:do not do			783	841	818
.m:Missing			13	7	5
.n:lives in nursing home				62	77
.r:Refuse			2		1
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
.x:no condition-skipped			10591	12505	11309
0.no			105	84	84
1.yes			422	479	436
Value-----	S6MEALHLP	S7MEALHLP	S8MEALHLP	S9MEALHLP	S10MEALHLP
.d:DK		1		1	
.j:do not do	754	758	572	510	347
.m:Missing	3	1	1	2	81
.n:lives in nursing home	64	68	66	59	95
.r:Refuse		2	2	1	2
.t:can not do		1			
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no condition-skipped	10336	11635	10570	9631	12388
0.no	73	79	85	71	111
1.yes	402	423	432	365	484
Value-----	S11MEALHLP	S12MEALHLP	S13MEALHLP	S14MEALHLP	S15MEALHLP
.d:DK	2		1	5	3
.j:do not do	301	244	211	155	119
.m:Missing	4	4	7	6	11
.n:lives in nursing home	67	60	65	42	30
.r:Refuse	1		1		1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no condition-skipped	11478	10144	10964	8686	7906
0.no	115	117	82	71	61
1.yes	508	443	447	393	335
Value-----			R3SHOPHLP	R4SHOPHLP	R5SHOPHLP
.d:DK			2	1	2
.j:do not do			638	722	724
.m:Missing			39	26	21
.n:lives in nursing home				305	359
.r:Refuse			3	5	2
.x:no condition-skipped			15421	18465	16827
0.no			316	228	239
1.yes			1572	1632	1404
Value-----	R6SHOPHLP	R7SHOPHLP	R8SHOPHLP	R9SHOPHLP	R10SHOPHLP
.d:DK	1	2			4
.j:do not do	649	692	594	523	371
.m:Missing	7	8	7	8	135
.n:lives in nursing home	358	365	346	358	374
.r:Refuse		6	3	1	7
.t:can not do		1			
.x:no condition-skipped	15568	17375	15820	14828	19170
0.no	222	235	246	222	337
1.yes	1360	1445	1453	1277	1636
Value-----	R11SHOPHLP	R12SHOPHLP	R13SHOPHLP	R14SHOPHLP	R15SHOPHLP
.d:DK	3	10	1	4	4
.j:do not do	310	279	290	199	233
.m:Missing	17	15	34	28	75
.n:lives in nursing home	365	317	298	199	149
.r:Refuse	2		1	5	1
.x:no condition-skipped	17916	16295	18324	15095	13758
0.no	340	329	360	293	255
1.yes	1601	1502	1604	1323	1248
Value-----			S3SHOPHLP	S4SHOPHLP	S5SHOPHLP
.d:DK					1
.j:do not do			465	480	488
.m:Missing			14	7	5
.n:lives in nursing home				63	79

.r:Refuse				2		1
.u:not coupled				5659	6870	6537
.v:SP NR				416	536	311
.x:no condition-skipped				10631	12565	11385
0.no				128	116	104
1.yes				676	747	667

Value-----	S6SHOPHLP	S7SHOPHLP	S8SHOPHLP	S9SHOPHLP	S10SHOPHLP
.d:DK		1			2
.j:do not do	425	477	389	314	204
.m:Missing	3	1	1	2	81
.n:lives in nursing home	70	71	67	66	98
.r:Refuse		4	2	1	3
.t:can not do		1			
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no condition-skipped	10450	11660	10480	9596	12245
0.no	96	95	111	100	135
1.yes	588	658	678	561	740

Value-----	S11SHOPHLP	S12SHOPHLP	S13SHOPHLP	S14SHOPHLP	S15SHOPHLP
.d:DK	1	2		2	1
.j:do not do	171	154	152	107	105
.m:Missing	4	4	7	6	11
.n:lives in nursing home	66	60	66	39	29
.r:Refuse	1		1	1	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no condition-skipped	11352	9983	10722	8541	7717
0.no	123	133	139	99	95
1.yes	758	676	691	563	507

Value-----			R3PHONEHLP	R4PHONEHLP	R5PHONEHLP
.d:DK			3	6	5
.j:do not do			103	115	123
.m:Missing			37	28	24
.r:Refuse			4	3	5
.x:no condition-skipped			16925	20118	18418
0.no			267	331	354
1.yes			652	783	649

Value-----	R6PHONEHLP	R7PHONEHLP	R8PHONEHLP	R9PHONEHLP	R10PHONEHLP
.d:DK	3	2	5	1	5
.j:do not do	94	117	80	89	56
.m:Missing	7	10	7	9	135
.r:Refuse		6	2	1	4
.t:can not do		9			
.x:no condition-skipped	17019	18978	17372	16137	20574
0.no	314	294	313	339	374
1.yes	728	713	690	641	886

Value-----	R11PHONEHLP	R12PHONEHLP	R13PHONEHLP	R14PHONEHLP	R15PHONEHLP
.d:DK	1	2	9	3	3
.j:do not do	59	43	37	28	14
.m:Missing	18	17	37	30	78
.r:Refuse	1		3	4	1
.x:no condition-skipped	19292	17545	19782	16269	14952
0.no	367	321	312	200	174
1.yes	816	819	732	612	501

Value-----			S3PHONEHLP	S4PHONEHLP	S5PHONEHLP
.d:DK			1	3	1
.j:do not do			53	62	70
.m:Missing			11	7	5
.r:Refuse			2		3
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
.x:no condition-skipped			11390	13355	12192
0.no			125	136	144
1.yes			334	415	315

Value-----	S6PHONEHLP	S7PHONEHLP	S8PHONEHLP	S9PHONEHLP	S10PHONEHLP
.d:DK	2				2
.j:do not do	42	60	46	48	26
.m:Missing	3	1	1	2	81
.r:Refuse		4	1	1	2

.t:can not do			4			
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.x:no condition-skipped		11134	12473	11236	10183	12844
0.no		106	101	112	122	134
1.yes		345	325	332	284	419
Value-----	S11PHONEHLP	S12PHONEHLP	S13PHONEHLP	S14PHONEHLP	S15PHONEHLP	
.d:DK			3	1	1	
.j:do not do	30	25	21	14	5	
.m:Missing	4	4	7	6	11	
.r:Refuse			1	1	1	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
.x:no condition-skipped	11949	10510	11322	9008	8189	
0.no	133	116	107	61	60	
1.yes	360	357	317	267	199	
Value-----			R3MEDHLP	R4MEDHLP	R5MEDHLP	
.d:DK			1		1	
.j:do not do			1243	44	31	
.m:Missing			36	26	21	
.n:lives in nursing home				201	242	
.r:Refuse			3	4	2	
.x:no condition-skipped			16009	20480	18730	
0.no			159	188	158	
1.yes			540	441	393	
Value-----	R6MEDHLP	R7MEDHLP	R8MEDHLP	R9MEDHLP	R10MEDHLP	
.d:DK	1				1	
.j:do not do	18	24	17	21	35	
.m:Missing	7	19	25	22	159	
.n:lives in nursing home	249	266	232	241	224	
.r:Refuse		4	3	1	5	
.x:no condition-skipped	17327	19206	17565	16332	20815	
0.no	143	165	195	164	255	
1.yes	420	445	432	436	540	
Value-----	R11MEDHLP	R12MEDHLP	R13MEDHLP	R14MEDHLP	R15MEDHLP	
.d:DK	2			1	3	
.j:do not do	23	30	37	21	11	
.m:Missing	31	24	44	34	83	
.n:lives in nursing home	206	223	188	109	98	
.r:Refuse	2		1	4		
.x:no condition-skipped	19510	17738	19867	16356	14972	
0.no	214	222	272	214	180	
1.yes	566	510	503	407	376	
Value-----			S3MEDHLP	S4MEDHLP	S5MEDHLP	
.j:do not do			837	26	16	
.m:Missing			11	7	5	
.n:lives in nursing home				49	49	
.r:Refuse			2		1	
.u:not coupled			5659	6870	6537	
.v:SP NR			416	536	311	
.x:no condition-skipped			10739	13558	12370	
0.no			89	99	83	
1.yes			238	239	206	
Value-----	S6MEDHLP	S7MEDHLP	S8MEDHLP	S9MEDHLP	S10MEDHLP	
.d:DK	1					
.j:do not do	5	10	6	6	18	
.m:Missing	3	6	8	9	93	
.n:lives in nursing home	52	52	47	41	65	
.r:Refuse		2	2	1	2	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
.x:no condition-skipped	11292	12582	11347	10287	12962	
0.no	82	87	99	94	108	
1.yes	197	229	219	202	260	
Value-----	S11MEDHLP	S12MEDHLP	S13MEDHLP	S14MEDHLP	S15MEDHLP	
.d:DK	1			1	3	
.j:do not do	7	16	13	5	4	
.m:Missing	6	8	13	9	14	
.n:lives in nursing home	40	41	44	18	17	

.r:Refuse				1	1	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
.x:no condition-skipped	12052	10629	11371	9045	8189	
0.no	102	96	103	85	68	
1.yes	268	222	233	194	171	

Value-----			R3MONEYHLP	R4MONEYHLP	R5MONEYHLP	
.d:DK			2	2	2	
.j:do not do			537	618	617	
.m:Missing			37	28	25	
.r:Refuse			3	4	3	
.x:no condition-skipped			16166	19305	17562	
0.no			208	210	156	
1.yes			1038	1217	1213	

Value-----	R6MONEYHLP	R7MONEYHLP	R8MONEYHLP	R9MONEYHLP	R10MONEYHLP	
.d:DK	3	3	3	1	4	
.j:do not do	575	729	694	629	585	
.m:Missing	7	10	7	9	135	
.r:Refuse	3	7	4	3	7	
.x:no condition-skipped	16196	17980	16377	15225	19379	
0.no	184	245	190	228	494	
1.yes	1197	1155	1194	1122	1430	

Value-----	R11MONEYHLP	R12MONEYHLP	R13MONEYHLP	R14MONEYHLP	R15MONEYHLP	
.d:DK	2	5	3	2	4	
.j:do not do	494	451	405	331	240	
.m:Missing	18	17	37	31	78	
.r:Refuse	3	2	5	4	2	
.x:no condition-skipped	18323	16560	18751	15464	14324	
0.no	383	416	465	384	279	
1.yes	1331	1296	1246	930	796	

Value-----			S3MONEYHLP	S4MONEYHLP	S5MONEYHLP	
.d:DK			1	1		
.j:do not do			452	486	504	
.m:Missing			12	7	6	
.r:Refuse			2		1	
.u:not coupled			5659	6870	6537	
.v:SP NR			416	536	311	
.x:no condition-skipped			10939	12906	11700	
0.no			98	88	68	
1.yes			412	490	451	

Value-----	S6MONEYHLP	S7MONEYHLP	S8MONEYHLP	S9MONEYHLP	S10MONEYHLP	
.d:DK					1	
.j:do not do	462	581	552	483	457	
.m:Missing	3	1	1	2	81	
.r:Refuse	2	4	3	1	2	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
.x:no condition-skipped	10661	11836	10660	9686	12164	
0.no	72	88	88	82	214	
1.yes	432	458	424	386	589	

Value-----	S11MONEYHLP	S12MONEYHLP	S13MONEYHLP	S14MONEYHLP	S15MONEYHLP	
.d:DK	1	1		2		
.j:do not do	379	360	304	260	184	
.m:Missing	4	4	7	7	11	
.r:Refuse			3	1		
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
.x:no condition-skipped	11398	9975	10810	8582	7870	
0.no	168	164	171	140	95	
1.yes	526	508	483	366	306	

### How Constructed:

RwMEALHLP, RwSHOPHLP, RwPHONEHLP, RwMEDHLP, and RwMONEYHLP indicate whether anyone helps the respondent with each IADL. RwMEALHLP indicates whether respondents who have difficulty with meal preparation have anyone help them prepare hot meals. RwSHOPHLP indicates whether respondents who have difficulty with grocery shopping have anyone help them shop for groceries. RwPHONEHLP indicates whether respondents who have difficulty with making phone calls have anyone help them make phone calls. RwMEDHLP indicates

whether respondents who have difficulty with taking medications have anyone help them with taking medications. RWMONEYHLP indicates whether respondents who have difficulty managing money have anyone help them manage their money. These variables are coded as 1 if someone helps the respondent with the IADL, while a 0 indicates that nobody helps the respondent with the IADL.

In Wave 3 and forward, respondents are asked whether they have difficulty with a particular IADL due to health or memory problems. If the respondent reported difficulty with a particular IADL because of a health or memory problem, then they are asked whether anyone helps with that same activity. Respondents who do not have difficulty with a particular IADL are assigned special missing code .x. For RWMEDHLP, respondents who do not currently take medication and expect to have no problem with their medication if taking it becomes necessary in the future are also assigned special missing code .x. Respondents who reported that they "don't do" the activity when asked if they have difficulty with it, are assigned special missing .j. Starting in Wave 4, respondents who live in a nursing home or other health care facility are not asked RWMEDHLP, RWSHOPHLP, and RWMEDHLP and are assigned special missing .n. In Wave 7, an erroneous program allowed Spanish respondents to answer "can't do" or "don't do" when answering questions used in RWMEDHLP, RWSHOPHLP, RWPHONEHLP, RWMEDHLP, and RWMONEYHLP, and these responses are coded as .t and .j, respectively. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RWMEDHLP, RWSHOPHLP, RWPHONEHLP, RWMEDHLP, and RWMONEYHLP are set to plain missing (.) for respondents who did not participate in the current wave.

SWMEALHLP, SWSHOPHLP, SWPHONEHLP, SWMEDHLP, and SWMONEYHLP indicate whether anyone helps the respondent's current wave's spouse with the associated IADL. These values are taken from RWMEDHLP, RWSHOPHLP, RWPHONEHLP, RWMEDHLP, and RWMONEYHLP. In addition to the special missing codes employed by RWMEDHLP, RWSHOPHLP, RWPHONEHLP, RWMEDHLP, and RWMONEYHLP, SWMEALHLP, SWSHOPHLP, SWPHONEHLP, SWMEDHLP, and SWMONEYHLP employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Whether anyone helps with specific IADL activities is asked beginning in Wave 3.

In Waves 3 through 5, respondents are able to say that 2 people helped them manage their money, so RWMONEYHLP accounts for both of these questions.

Starting in Wave 4, respondents who live in a nursing home are not asked whether someone helps them with preparing hot meals, shopping for groceries, or taking medication even if they report difficulty with those activities.

In Wave 7, an erroneous program allowed Spanish respondents to answer 'Can't do' or 'Don't do' when answering questions for variables RWMEDHLP, RWSHOPHLP, and RWPHONEHLP, these responses are coded as special missing .t and .j, respectively.

## HRS Variables Used:

RAND HRS:

R10MEALSA	r10mealsa:w10	r any diff-prepare hot meal
R10MEDSA	r10medsa:w10	r any diff-take medications
R10MONEYA	r10moneya:w10	r any diff-managing money
R10PHONEA	r10phonea:w10	r any diff-use telephone
R10SHOPA	r10shopa:w10	r any diff-shop for grocery
R11MEALSA	r11mealsa:w11	r any diff-prepare hot meal
R11MEDSA	r11medsa:w11	r any diff-take medications
R11MONEYA	r11moneya:w11	r any diff-managing money
R11PHONEA	r11phonea:w11	r any diff-use telephone
R11SHOPA	r11shopa:w11	r any diff-shop for grocery
R12MEALSA	r12mealsa:w12	r any diff-prepare hot meal
R12MEDSA	r12medsa:w12	r any diff-take medications
R12MONEYA	r12moneya:w12	r any diff-managing money
R12PHONEA	r12phonea:w12	r any diff-use telephone
R12SHOPA	r12shopa:w12	r any diff-shop for grocery
R13MEALSA	r13mealsa:w13	r any diff-prepare hot meal



R13MEDSA r13medsa:w13 r any diff-take medications  
 R13MONEYA r13moneya:w13 r any diff-managing money  
 R13PHONEA r13phonea:w13 r any diff-use telephone  
 R13SHOPA r13shopa:w13 r any diff-shop for grocery  
 R14MEALSA r14mealsa:w14 r any diff-prepare hot meal  
 R14MEDSA r14medsa:w14 r any diff-take medications  
 R14MONEYA r14moneya:w14 r any diff-managing money  
 R14PHONEA r14phonea:w14 r any diff-use telephone  
 R14SHOPA r14shopa:w14 r any diff-shop for grocery  
 R15MEALSA r15mealsa:w15 r any diff-prepare hot meal  
 R15MEDSA r15medsa:w15 r any diff-take medications  
 R15MONEYA r15moneya:w15 r any diff-managing money  
 R15PHONEA r15phonea:w15 r any diff-use telephone  
 R15SHOPA r15shopa:w15 r any diff-shop for grocery  
 R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
 R3MEDSA r3medsa:w3 r any diff-take medications  
 R3MONEYA r3moneya:w3 r any diff-managing money  
 R3PHONEA r3phonea:w3 r any diff-use telephone  
 R3SHOPA r3shopa:w3 r any diff-shop for grocery  
 R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
 R4MEDSA r4medsa:w4 r any diff-take medications  
 R4MONEYA r4moneya:w4 r any diff-managing money  
 R4PHONEA r4phonea:w4 r any diff-use telephone  
 R4SHOPA r4shopa:w4 r any diff-shop for grocery  
 R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
 R5MEDSA r5medsa:w5 r any diff-take medications  
 R5MONEYA r5moneya:w5 r any diff-managing money  
 R5PHONEA r5phonea:w5 r any diff-use telephone  
 R5SHOPA r5shopa:w5 r any diff-shop for grocery  
 R6MEALSA r6mealsa:w6 r any diff-prepare hot meal  
 R6MEDSA r6medsa:w6 r any diff-take medications  
 R6MONEYA r6moneya:w6 r any diff-managing money  
 R6PHONEA r6phonea:w6 r any diff-use telephone  
 R6SHOPA r6shopa:w6 r any diff-shop for grocery  
 R7MEALSA r7mealsa:w7 r any diff-prepare hot meal  
 R7MEDSA r7medsa:w7 r any diff-take medications  
 R7MONEYA r7moneya:w7 r any diff-managing money  
 R7PHONEA r7phonea:w7 r any diff-use telephone  
 R7SHOPA r7shopa:w7 r any diff-shop for grocery  
 R8MEALSA r8mealsa:w8 r any diff-prepare hot meal  
 R8MEDSA r8medsa:w8 r any diff-take medications  
 R8MONEYA r8moneya:w8 r any diff-managing money  
 R8PHONEA r8phonea:w8 r any diff-use telephone  
 R8SHOPA r8shopa:w8 r any diff-shop for grocery  
 R9MEALSA r9mealsa:w9 r any diff-prepare hot meal  
 R9MEDSA r9medsa:w9 r any diff-take medications  
 R9MONEYA r9moneya:w9 r any diff-managing money  
 R9PHONEA r9phonea:w9 r any diff-use telephone  
 R9SHOPA r9shopa:w9 r any diff-shop for grocery

## Wave 3 AHEAD:

D2023 e95b.meals -why dont  
 D2024 e95c.iadl meals help  
 D2028 e96b.groc -why dont  
 D2029 e96c.iadl groc help  
 D2033 e97b.phone -why dont  
 D2034 e97c.iadl phone help  
 D2038 e98b.med-why dont  
 D2039 e98c.iadl med help  
 D2100 e106a.money health problem  
 D2102 e106c.iadl money who help,1

## Wave 3 HRS:

E2038 e95b.meals -why dont  
 E2039 e95c.iadl meals help

E2043	e96b.groc -why dont
E2044	e96c.iadl groc help
E2048	e97b.phone -why dont
E2049	e97c.iadl phone help
E2053	e98b.med-why dont
E2054	e98c.iadl med help
E2094	e106a.money health problem
E2096	e106c.iadl money who help,1
Wave 4:	
F2564	e95b.meals -why dont
F2565	e95c.iadl meals help
F2569	e96b.groc -why dont
F2570	e96c.iadl groc help
F2574	e97b.phone -why dont
F2575	e97c.iadl phone help
F2578	e98a
F2579	e98b.med-why dont
F2580	e98c.iadl med help
F2619	e106a.money health problem
F2620	e106c.iadl money who help,1
Wave 5:	
G2862	e95b.meals -why dont
G2863	e95c.iadl meals help
G2867	e96b.groc -why dont
G2868	e96c.iadl groc help
G2872	e97b.phone -why dont
G2873	e97c.iadl phone help
G2876	e98a.iadls med if needed diff
G2877	e98b.med-why dont
G2878	e98c.iadl med help
G2917	e106a.money health problem
G2918	e106c.iadl money who help-1
G558	cs11.r in nursing home
Wave 6:	
HA028	r in nursing home
HG042	why- meal preparation difficulty
HG043	iadl meal preparation help
HG045	why- groc shop difficulty
HG046	iadl groc shop help
HG048	why- making phone calls difficulty
HG049	iadl making phone calls help
HG051	iadl taking meds if needed difficulty
HG052	why- taking medications difficulty
HG053	iadl taking medications help
HG060	why- managing money difficulty
HG061	iadl managing money help
Wave 7:	
JA028	r in nursing home
JG042	why- meal preparation difficulty
JG043	iadl meal preparation help
JG045	why- groc shop difficulty
JG046	iadl groc shop help
JG048	why- making phone calls difficulty
JG049	iadl making phone calls help
JG051	iadl taking meds if needed difficulty
JG052	why- taking medications difficulty
JG053	iadl taking medications help
JG060	why- managing money difficulty
JG061	iadl managing money help
Wave 8:	
KA028	r in nursing home
KG042	why- meal preparation difficulty
KG043	iadl meal preparation help

KG045 why- groc shop difficulty  
KG046 iadl groc shop help  
KG048 why- making phone calls difficulty  
KG049 iadl making phone calls help  
KG051 iadl taking meds if needed difficulty  
KG052 why- taking medications difficulty  
KG053 iadl taking medications help  
KG060 why- managing money difficulty  
KG061 iadl managing money help

Wave 9:  
LA028 r in nursing home  
LG042 why- meal preparation difficulty  
LG043 iadl meal preparation help  
LG045 why- groc shop difficulty  
LG046 iadl groc shop help  
LG048 why- making phone calls difficulty  
LG049 iadl making phone calls help  
LG052 why- taking medications difficulty  
LG053 iadl taking medications help  
LG060 why- managing money difficulty  
LG061 iadl managing money help

Wave 10:  
MA028 r in nursing home  
MG042 why- meal preparation difficulty  
MG043 iadl meal preparation help  
MG045 why- groc shop difficulty  
MG046 iadl groc shop help  
MG048 why- making phone calls difficulty  
MG049 iadl making phone calls help  
MG051 iadl taking meds if needed difficulty  
MG052 why- taking medications difficulty  
MG053 iadl taking medications help  
MG060 why- managing money difficulty  
MG061 iadl managing money help

Wave 11:  
NA028 r in nursing home  
NG042 why- meal preparation difficulty  
NG043 iadl meal preparation help  
NG045 why- groc shop difficulty  
NG046 iadl groc shop help  
NG048 why- making phone calls difficulty  
NG049 iadl making phone calls help  
NG051 iadl taking meds if needed difficulty  
NG052 why- taking medications difficulty  
NG053 iadl taking medications help  
NG060 why- managing money difficulty  
NG061 iadl managing money help

Wave 12:  
OA028 r in nursing home  
OG042 why- meal preparation difficulty  
OG043 iadl meal preparation help  
OG045 why- groc shop difficulty  
OG046 iadl groc shop help  
OG048 why- making phone calls difficulty  
OG049 iadl making phone calls help  
OG051 iadl taking meds if needed difficulty  
OG052 why- taking medications difficulty  
OG053 iadl taking medications help  
OG060 why- managing money difficulty  
OG061 iadl managing money help

Wave 13:  
PA028 r in nursing home  
PG042 why- meal preparation difficulty

PG043 iadl meal preparation help  
PG045 why- groc shop difficulty  
PG046 iadl groc shop help  
PG048 why- making phone calls difficulty  
PG049 iadl making phone calls help  
PG051 iadl taking meds if needed difficulty  
PG052 why- taking medications difficulty  
PG053 iadl taking medications help  
PG060 why- managing money difficulty  
PG061 iadl managing money help

## Wave 14:

QA028 r in nursing home  
QG042 why- meal preparation difficulty  
QG043 iadl meal preparation help  
QG045 why- groc shop difficulty  
QG046 iadl groc shop help  
QG048 why- making phone calls difficulty  
QG049 iadl making phone calls help  
QG051 iadl taking meds if needed difficulty  
QG052 why- taking medications difficulty  
QG053 iadl taking medications help  
QG060 why- managing money difficulty  
QG061 iadl managing money help

## Wave 15:

RA028 r in nursing home  
RG042 why- meal preparation difficulty  
RG043 iadl meal preparation help  
RG045 why- groc shop difficulty  
RG046 iadl groc shop help  
RG048 why- making phone calls difficulty  
RG049 iadl making phone calls help  
RG051 iadl taking meds if needed difficulty  
RG052 why- taking medications difficulty  
RG053 iadl taking medications help  
RG060 why- managing money difficulty  
RG061 iadl managing money help

<b>Driving Ability</b>
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Wave	Variable	Label	Type
02	R2DRIVE	r2drive:w2 whether r is able to drive	Categ
03	R3DRIVE	r3drive:w3 whether r is able to drive	Categ
04	R4DRIVE	r4drive:w4 whether r is able to drive	Categ
05	R5DRIVE	r5drive:w5 whether r is able to drive	Categ
06	R6DRIVE	r6drive:w6 whether r is able to drive	Categ
07	R7DRIVE	r7drive:w7 whether r is able to drive	Categ
08	R8DRIVE	r8drive:w8 whether r is able to drive	Categ
09	R9DRIVE	r9drive:w9 whether r is able to drive	Categ
10	R10DRIVE	r10drive:w10 whether r is able to drive	Categ
11	R11DRIVE	r11drive:w11 whether r is able to drive	Categ
12	R12DRIVE	r12drive:w12 whether r is able to drive	Categ
13	R13DRIVE	r13drive:w13 whether r is able to drive	Categ
14	R14DRIVE	r14drive:w14 whether r is able to drive	Categ
15	R15DRIVE	r15drive:w15 whether r is able to drive	Categ
02	S2DRIVE	s2drive:w2 whether s is able to drive	Categ
03	S3DRIVE	s3drive:w3 whether s is able to drive	Categ
04	S4DRIVE	s4drive:w4 whether s is able to drive	Categ
05	S5DRIVE	s5drive:w5 whether s is able to drive	Categ
06	S6DRIVE	s6drive:w6 whether s is able to drive	Categ
07	S7DRIVE	s7drive:w7 whether s is able to drive	Categ
08	S8DRIVE	s8drive:w8 whether s is able to drive	Categ
09	S9DRIVE	s9drive:w9 whether s is able to drive	Categ
10	S10DRIVE	s10drive:w10 whether s is able to drive	Categ
11	S11DRIVE	s11drive:w11 whether s is able to drive	Categ
12	S12DRIVE	s12drive:w12 whether s is able to drive	Categ
13	S13DRIVE	s13drive:w13 whether s is able to drive	Categ
14	S14DRIVE	s14drive:w14 whether s is able to drive	Categ
15	S15DRIVE	s15drive:w15 whether s is able to drive	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2DRIVE	7251	0.76	0.43	0.00	1.00
R3DRIVE	7138	0.70	0.46	0.00	1.00
R4DRIVE	10702	0.76	0.43	0.00	1.00
R5DRIVE	10301	0.76	0.43	0.00	1.00
R6DRIVE	9778	0.76	0.43	0.00	1.00
R7DRIVE	10734	0.79	0.41	0.00	1.00
R8DRIVE	11011	0.80	0.40	0.00	1.00
R9DRIVE	11095	0.80	0.40	0.00	1.00
R10DRIVE	10786	0.80	0.40	0.00	1.00
R11DRIVE	10496	0.81	0.40	0.00	1.00
R12DRIVE	10239	0.81	0.39	0.00	1.00
R13DRIVE	55	0.93	0.26	0.00	1.00
R14DRIVE	8872	0.82	0.38	0.00	1.00
R15DRIVE	727	0.45	0.50	0.00	1.00
S2DRIVE	4022	0.85	0.36	0.00	1.00
S3DRIVE	4000	0.81	0.39	0.00	1.00
S4DRIVE	6190	0.85	0.36	0.00	1.00
S5DRIVE	5906	0.85	0.35	0.00	1.00
S6DRIVE	5520	0.86	0.35	0.00	1.00
S7DRIVE	6252	0.87	0.34	0.00	1.00
S8DRIVE	6341	0.88	0.33	0.00	1.00
S9DRIVE	6324	0.88	0.32	0.00	1.00

S10DRIVE	6112	0.87	0.33	0.00	1.00
S11DRIVE	5907	0.88	0.32	0.00	1.00
S12DRIVE	5548	0.88	0.33	0.00	1.00
S13DRIVE	54	0.93	0.26	0.00	1.00
S14DRIVE	4590	0.89	0.32	0.00	1.00
S15DRIVE	434	0.68	0.47	0.00	1.00

### Categorical Variable Codes

Value-----	R2DRIVE	R3DRIVE	R4DRIVE	R5DRIVE
.a:not asked-age		10372	10243	8858
.d:DK	2	2	3	5
.m:Missing	1	25	28	22
.n:never drove	968	453	406	392
.q:not asked in this wave	11595			
.r:Refuse		1	2	
0.no	1721	2126	2576	2492
1.yes	5530	5012	8126	7809

Value-----	R6DRIVE	R7DRIVE	R8DRIVE	R9DRIVE	R10DRIVE
.a:not asked-age	7923	8996	7052	5860	11081
.d:DK	9	10	7	5	9
.m:Missing	92	41	67	21	23
.n:never drove	362	348	331	235	132
.r:Refuse	1		1	1	3
0.no	2352	2260	2172	2164	2177
1.yes	7426	8474	8839	8931	8609

Value-----	R11DRIVE	R12DRIVE	R13DRIVE	R14DRIVE	R15DRIVE
.a:not asked-age	9802	8358		8126	
.d:DK	8	24		12	
.m:Missing	26	31		41	
.n:never drove	221	95		93	
.r:Refuse	1			2	
.s:skipped			20857		14996
0.no	2039	1967	4	1554	398
1.yes	8457	8272	51	7318	329

Value-----	S2DRIVE	S3DRIVE	S4DRIVE	S5DRIVE
.a:not asked-age		7745	7639	6682
.d:DK	2	1	1	3
.m:Missing	1	16	13	9
.n:never drove		325	134	130
.q:not asked in this wave	8738			
.r:Refuse		1	1	
.u:not coupled		5976	6870	6537
.v:SP NR		578	416	536
0.no		619	767	924
1.yes		3403	3233	5266

Value-----	S6DRIVE	S7DRIVE	S8DRIVE	S9DRIVE	S10DRIVE
.a:not asked-age	5924	6583	5235	4237	7336
.d:DK	2	3	2		2
.m:Missing	70	21	38	11	14
.n:never drove	115	109	111	68	42
.r:Refuse	1		1		2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	785	819	765	735	772
1.yes	4735	5433	5576	5589	5340

Value-----	S11DRIVE	S12DRIVE	S13DRIVE	S14DRIVE	S15DRIVE
.a:not asked-age	6470	5413		4710	
.d:DK	4	6		4	
.m:Missing	11	15		22	
.n:never drove	84	30		31	
.r:Refuse				1	
.s:skipped			11724		8032
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	703	684	4	523	139
1.yes	5204	4864	50	4067	295

**How Constructed:**

RwDRIVE indicates whether the respondent is able to drive. RwDRIVE is coded as 1 if the respondent is able to drive, while a 0 indicates that the respondent is not able to drive. If the respondent reports never driving, special missing .n is assigned. In the AHEAD cohorts in Waves 2 and 3, respondents of all ages were asked about their driving ability. In the Wave 3 HRS cohort, respondents under the age of 68 were not asked this question and so are assigned special missing code .a in Wave 3. In Wave 4 and forward, respondents under the age of 65 were not asked this question and so are assigned special missing code .a. Starting in Wave 13, this question is skipped in odd-numbered waves for previously interviewed respondents, in which case RwDRIVE is assigned special missing .s. Respondents in the Wave 2 HRS cohort are not asked this question, and so are assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RwDRIVE is set to plain missing (.) for respondents who did not participate in the current wave.

SwDRIVE indicates whether the respondent's current wave's spouse is able to drive, and is taken from RwDRIVE. In addition to the special missing codes employed by RwDRIVE, SwDRIVE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

**Cross Wave Differences in HRS**

The Wave 2 HRS respondents are not asked about their ability to drive at all.

Whether a respondent is able to drive is asked regardless of age in the AHEAD cohorts in Waves 2 and 3. The Wave 3 HRS respondents aged 68 and older are asked if they are able to drive. Starting in Wave 4, respondents age 65 and older are asked whether they are able to drive.

Starting in Wave 13, this question is skipped in odd-numbered waves for previously interviewed respondents.

**HRS Variables Used:**

## RAND HRS:

R10AGEY_E	r10agey_e:w10	r age (years) at ivw endmon
R11AGEY_E	r11agey_e:w11	r age (years) at ivw endmon
R12AGEY_E	r12agey_e:w12	r age (years) at ivw endmon
R13AGEY_E	r13agey_e:w13	r age (years) at ivw endmon
R14AGEY_E	r14agey_e:w14	r age (years) at ivw endmon
R15AGEY_E	r15agey_e:w15	r age (years) at ivw endmon
R3AGEY_E	r3agey_e:w3	r age (years) at ivw endmon
R4AGEY_E	r4agey_e:w4	r age (years) at ivw endmon
R5AGEY_E	r5agey_e:w5	r age (years) at ivw endmon
R6AGEY_E	r6agey_e:w6	r age (years) at ivw endmon
R7AGEY_E	r7agey_e:w7	r age (years) at ivw endmon
R8AGEY_E	r8agey_e:w8	r age (years) at ivw endmon
R9AGEY_E	r9agey_e:w9	r age (years) at ivw endmon

## Wave 2 AHEAD:

B893 e51c. r able to drive?

## Wave 2 HRS:

WN\_INHH hrs w2: # in hhold (r1/r2 only)

## Wave 3 AHEAD:

D2008 e91.r drive

## Wave 3 HRS:

E2023 e91.r drive  
EN\_INHH hrs w3: # r's responding in hhold

## Wave 4:

F2549 e91.r drive

## Wave 5:

G2847 e91.r drive

## Wave 6:

HG037 r ability to drive

Wave 7:  
JG037 r ability to drive

Wave 8:  
KG037 r ability to drive

Wave 9:  
LG037 r ability to drive

Wave 10:  
MG037 r ability to drive

Wave 11:  
NG037 r ability to drive

Wave 12:  
OG037 r ability to drive

Wave 13:  
PG037 r ability to drive  
PG215 alternate wave flag for g036

Wave 14:  
QG037 r ability to drive  
QG215 alternate wave flag for g036

Wave 15:  
RG037 r ability to drive  
RG215 alternate wave flag for g036



<b>Self-Reported Functional Abilities</b>
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Wave	Variable	Label	Type
08	R8HANDRT	r8handrt:w8 r self-rated hand strength	Categ
09	R9HANDRT	r9handrt:w9 r self-rated hand strength	Categ
10	R10HANDRT	r10handrt:w10 r self-rated hand strength	Categ
11	R11HANDRT	r11handrt:w11 r self-rated hand strength	Categ
12	R12HANDRT	r12handrt:w12 r self-rated hand strength	Categ
13	R13HANDRT	r13handrt:w13 r self-rated hand strength	Categ
14	R14HANDRT	r14handrt:w14 r self-rated hand strength	Categ
15	R15HANDRT	r15handrt:w15 r self-rated hand strength	Categ
08	S8HANDRT	s8handrt:w8 s self-rated hand strength	Categ
09	S9HANDRT	s9handrt:w9 s self-rated hand strength	Categ
10	S10HANDRT	s10handrt:w10 s self-rated hand strength	Categ
11	S11HANDRT	s11handrt:w11 s self-rated hand strength	Categ
12	S12HANDRT	s12handrt:w12 s self-rated hand strength	Categ
13	S13HANDRT	s13handrt:w13 s self-rated hand strength	Categ
14	S14HANDRT	s14handrt:w14 s self-rated hand strength	Categ
15	S15HANDRT	s15handrt:w15 s self-rated hand strength	Categ
08	R8SBREATH	r8sbreath:w8 frequency r short of breath	Categ
09	R9SBREATH	r9sbreath:w9 frequency r short of breath	Categ
10	R10SBREATH	r10sbreath:w10 frequency r short of breath	Categ
11	R11SBREATH	r11sbreath:w11 frequency r short of breath	Categ
12	R12SBREATH	r12sbreath:w12 frequency r short of breath	Categ
13	R13SBREATH	r13sbreath:w13 frequency r short of breath	Categ
14	R14SBREATH	r14sbreath:w14 frequency r short of breath	Categ
15	R15SBREATH	r15sbreath:w15 frequency r short of breath	Categ
08	S8SBREATH	s8sbreath:w8 frequency s short of breath	Categ
09	S9SBREATH	s9sbreath:w9 frequency s short of breath	Categ
10	S10SBREATH	s10sbreath:w10 frequency s short of breath	Categ
11	S11SBREATH	s11sbreath:w11 frequency s short of breath	Categ
12	S12SBREATH	s12sbreath:w12 frequency s short of breath	Categ
13	S13SBREATH	s13sbreath:w13 frequency s short of breath	Categ
14	S14SBREATH	s14sbreath:w14 frequency s short of breath	Categ
15	S15SBREATH	s15sbreath:w15 frequency s short of breath	Categ
08	R8BALANC	r8balanc:w8 frequency r difficulty with balance	Categ
09	R9BALANC	r9balanc:w9 frequency r difficulty with balance	Categ
10	R10BALANC	r10balanc:w10 frequency r difficulty with balance	Categ
11	R11BALANC	r11balanc:w11 frequency r difficulty with balance	Categ
12	R12BALANC	r12balanc:w12 frequency r difficulty with balance	Categ
13	R13BALANC	r13balanc:w13 frequency r difficulty with balance	Categ
14	R14BALANC	r14balanc:w14 frequency r difficulty with balance	Categ
15	R15BALANC	r15balanc:w15 frequency r difficulty with balance	Categ
08	S8BALANC	s8balanc:w8 frequency s difficulty with balance	Categ
09	S9BALANC	s9balanc:w9 frequency s difficulty with balance	Categ
10	S10BALANC	s10balanc:w10 frequency s difficulty with balance	Categ
11	S11BALANC	s11balanc:w11 frequency s difficulty with balance	Categ
12	S12BALANC	s12balanc:w12 frequency s difficulty with balance	Categ
13	S13BALANC	s13balanc:w13 frequency s difficulty with balance	Categ
14	S14BALANC	s14balanc:w14 frequency s difficulty with balance	Categ
15	S15BALANC	s15balanc:w15 frequency s difficulty with balance	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
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R8HANDRT	9517	2.07	0.77	1.00	4.00
R9HANDRT	8242	2.06	0.75	1.00	4.00
R10HANDRT	11122	2.05	0.74	1.00	4.00
R11HANDRT	9983	2.06	0.74	1.00	4.00
R12HANDRT	9480	2.08	0.73	1.00	4.00
R13HANDRT	10121	2.07	0.75	1.00	4.00
R14HANDRT	8756	2.07	0.72	1.00	4.00
R15HANDRT	7328	2.07	0.72	1.00	4.00
S8HANDRT	6175	2.00	0.73	1.00	4.00
S9HANDRT	5014	1.97	0.71	1.00	4.00
S10HANDRT	6869	1.99	0.71	1.00	4.00
S11HANDRT	5990	1.99	0.71	1.00	4.00
S12HANDRT	5647	2.02	0.69	1.00	4.00
S13HANDRT	5679	2.00	0.70	1.00	4.00
S14HANDRT	4850	2.01	0.69	1.00	4.00
S15HANDRT	3849	1.99	0.68	1.00	4.00
R8SBREATH	9539	3.17	0.94	1.00	4.00
R9SBREATH	8278	3.22	0.91	1.00	4.00
R10SBREATH	11142	3.17	0.91	1.00	4.00
R11SBREATH	10038	3.21	0.89	1.00	4.00
R12SBREATH	9526	3.14	0.90	1.00	4.00
R13SBREATH	10193	3.25	0.87	1.00	4.00
R14SBREATH	8795	3.16	0.90	1.00	4.00
R15SBREATH	7390	3.25	0.86	1.00	4.00
S8SBREATH	6190	3.24	0.90	1.00	4.00
S9SBREATH	5033	3.29	0.87	1.00	4.00
S10SBREATH	6883	3.24	0.87	1.00	4.00
S11SBREATH	6022	3.28	0.86	1.00	4.00
S12SBREATH	5669	3.20	0.87	1.00	4.00
S13SBREATH	5719	3.32	0.83	1.00	4.00
S14SBREATH	4869	3.22	0.87	1.00	4.00
S15SBREATH	3885	3.32	0.82	1.00	4.00
R8BALANC	9538	2.98	1.02	1.00	4.00
R9BALANC	8272	2.98	1.02	1.00	4.00
R10BALANC	11124	2.95	1.00	1.00	4.00
R11BALANC	10031	2.97	1.00	1.00	4.00
R12BALANC	9522	2.84	0.99	1.00	4.00
R13BALANC	10197	2.95	1.00	1.00	4.00
R14BALANC	8790	2.86	1.00	1.00	4.00
R15BALANC	7373	2.94	0.97	1.00	4.00
S8BALANC	6188	3.10	0.96	1.00	4.00
S9BALANC	5028	3.11	0.96	1.00	4.00
S10BALANC	6876	3.04	0.96	1.00	4.00
S11BALANC	6020	3.09	0.96	1.00	4.00
S12BALANC	5673	2.94	0.96	1.00	4.00
S13BALANC	5724	3.06	0.96	1.00	4.00
S14BALANC	4867	2.96	0.96	1.00	4.00
S15BALANC	3877	3.04	0.93	1.00	4.00

### Categorical Variable Codes

Value-----	R8HANDRT	R9HANDRT	R10HANDRT
.d:DK	47	45	28
.m:Missing	2	4	67
.r:Refuse	2	5	8
.s:skipped	8901	8921	10809
1.very strong	1998	1736	2365

2.somewhat strong		5282	4660	6300
3.somewhat weak		1765	1480	2002
4.very weak		472	366	455

Value-----	R11HANDRT	R12HANDRT	R13HANDRT	R14HANDRT	R15HANDRT
.d:DK	67	60	86	38	72
.m:Missing	8	6	19	10	59
.r:Refuse	8	3	13	7	5
.s:skipped	10488	9198	10673	8335	8259
1.very strong	2020	1761	2045	1705	1411
2.somewhat strong	5726	5563	5726	5058	4253
3.somewhat weak	1812	1776	1909	1683	1397
4.very weak	425	380	441	310	267

Value-----	S8HANDRT	S9HANDRT	S10HANDRT
.d:DK	23	19	14
.m:Missing		2	51
.r:Refuse	2	1	5
.s:skipped	5528	5604	6569
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.very strong	1437	1180	1564
2.somewhat strong	3526	2923	4013
3.somewhat weak	992	771	1086
4.very weak	220	140	206

Value-----	S11HANDRT	S12HANDRT	S13HANDRT	S14HANDRT	S15HANDRT
.d:DK	39	30	43	20	38
.m:Missing	2	1	4	4	23
.r:Refuse	3		6	2	2
.s:skipped	6442	5334	6046	4482	4554
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.very strong	1330	1141	1241	1021	819
2.somewhat strong	3547	3403	3358	2886	2331
3.somewhat weak	934	947	920	817	605
4.very weak	179	156	160	126	94

Value-----	R8SBREATH	R9SBREATH	R10SBREATH
.d:DK	25	9	11
.m:Missing	2	4	67
.r:Refuse	2	5	5
.s:skipped	8901	8921	10809
1.often	619	431	623
2.sometimes	1644	1388	1937
3.rarely	2765	2347	3492
4.never	4511	4112	5090

Value-----	R11SBREATH	R12SBREATH	R13SBREATH	R14SBREATH	R15SBREATH
.d:DK	16	14	19	4	15
.m:Missing	8	6	19	10	59
.r:Refuse	4	3	8	2	
.s:skipped	10488	9198	10673	8335	8259
1.often	515	544	477	485	324
2.sometimes	1622	1639	1485	1495	1076
3.rarely	3103	3293	3259	2919	2426
4.never	4798	4050	4972	3896	3564

Value-----	S8SBREATH	S9SBREATH	S10SBREATH
.d:DK	8		3
.m:Missing		2	51
.r:Refuse	2	1	2
.s:skipped	5528	5604	6569
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.often	323	198	302
2.sometimes	952	773	1076
3.rarely	1846	1437	2205
4.never	3069	2625	3300

Value-----	S11SBREATH	S12SBREATH	S13SBREATH	S14SBREATH	S15SBREATH
.d:DK	8	6	7	3	4
.m:Missing	2	1	4	4	23
.r:Refuse	2	2	2		
.s:skipped	6442	5334	6046	4482	4554
.u:not coupled	7483	7125	8025	6684	6202

.v:SP NR	595	610	1109	1104	1055
1.often	254	266	209	227	134
2.sometimes	844	880	705	736	477
3.rarely	1866	1971	1862	1637	1280
4.never	3058	2552	2943	2269	1994

Value-----		R8BALANC	R9BALANC	R10BALANC	
.d:DK		23	15	29	
.m:Missing		2	4	67	
.r:Refuse		5	5	5	
.s:skipped		8901	8921	10809	
1.often		993	872	1090	
2.sometimes		2073	1792	2548	
3.rarely		2632	2252	3326	
4.never		3840	3356	4160	

Value-----	R11BALANC	R12BALANC	R13BALANC	R14BALANC	R15BALANC
.d:DK	22	16	19	10	28
.m:Missing	8	6	19	10	59
.r:Refuse	5	5	4	1	4
.s:skipped	10488	9198	10673	8335	8259
1.often	1013	1043	1068	964	686
2.sometimes	2165	2461	2213	2170	1629
3.rarely	2977	3020	3126	2797	2480
4.never	3876	2998	3790	2859	2578

Value-----		S8BALANC	S9BALANC	S10BALANC	
.d:DK		8	4	9	
.m:Missing			2	51	
.r:Refuse		4	2	3	
.s:skipped		5528	5604	6569	
.u:not coupled		6424	6212	7804	
.v:SP NR		317	365	722	
1.often		462	369	532	
2.sometimes		1203	952	1407	
3.rarely		1795	1445	2164	
4.never		2728	2262	2773	

Value-----	S11BALANC	S12BALANC	S13BALANC	S14BALANC	S15BALANC
.d:DK	9	2	2	5	12
.m:Missing	2	1	4	4	23
.r:Refuse	3	2	2		
.s:skipped	6442	5334	6046	4482	4554
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.often	460	479	460	413	276
2.sometimes	1142	1331	1105	1086	753
3.rarely	1827	1897	1810	1631	1373
4.never	2591	1966	2349	1737	1475

## How Constructed:

RwHANDRT indicates the respondent's self-rated hand strength. RwHANDRT is coded as follows: 1. very strong, 2. somewhat strong, 3. somewhat weak, and 4. very weak. If the respondent did not participate in the enhanced face-to-face interview, then special missing code .s is assigned. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RwHANDRT is set to plain missing (.) for respondents who did not participate in the current wave.

SwHANDRT indicates the respondent's current wave's spouse's self-rated hand strength, and is taken from RwHANDRT. In addition to the special missing codes employed by RwHANDRT, SwHANDRT employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwsBREATH indicates how often the respondent becomes short of breath while awake. RwsBREATH is coded as follows: 1. often, 2. sometimes, 3. rarely, and 4. never. If the respondent did not participate in the enhanced face-to-face interview, then special missing code .s is assigned. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RwsBREATH is set to plain missing (.) for respondents who did not participate in the current wave.

SwsBREATH indicates how often the respondent's current wave's spouse becomes short of breath while awake, and is taken from RwsBREATH. In addition to the special missing codes employed by RwsBREATH, SwsBREATH employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwBALANC indicates how often the respondent has difficulty with balance. RwBALANC is coded as follows: 1. often, 2. sometimes, 3. rarely, and 4. never. If the respondent did not participate in the enhanced face-to-face interview, then special missing code .s is assigned. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RwBALANC is set to plain missing (.) for respondents who did not participate in the current wave.

SwBALANC indicates how often the respondent's current wave's spouse has difficulty with balance, and is taken from RwBALANC. In addition to the special missing codes employed by RwBALANC, SwBALANC employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

Respondents who participate in the enhanced face-to-face interview are asked to rate their own hand strength, and how often they become short of breath or have difficulty with balance starting in Wave 8.

#### HRS Variables Used:

Wave 8:

KG208	rate hand strength
KG209	short of breath
KG210	difficulty with balance
KX090_R	prefered mode of iwer -1

Wave 9:

LG208	rate hand strength
LG209	short of breath
LG210	difficulty with balance
LX090_R	prefered mode of iwer -1

Wave 10:

MG208	rate hand strength
MG209	short of breath
MG210	difficulty with balance
MX090_R	prefered mode of iw -1

Wave 11:

NG208	rate hand strength
NG209	short of breath
NG210	difficulty with balance
NX090_R	prefered mode of iw -1

Wave 12:

OG208	rate hand strength
OG209	short of breath
OG210	difficulty with balance
OX090_R	prefered mode of iw -1

Wave 13:

PG208	rate hand strength
PG209	short of breath
PG210	difficulty with balance
PX090_R	prefered mode of iw -1

Wave 14:

QG208	rate hand strength
QG209	short of breath
QG210	difficulty with balance
QX090_R	prefered mode of iw -1

Wave 15:

RG208	rate hand strength
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RG209 short of breath  
RG210 difficulty with balance  
RX090\_R preferred mode of iw -1

<b>Impairments</b>
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Wave	Variable	Label	Type
02	R2LIMHWRK	r2limhwrk:w2 whether health limits r housework	Categ
03	R3LIMHWRK	r3limhwrk:w3 whether health limits r housework	Categ
04	R4LIMHWRK	r4limhwrk:w4 whether health limits r housework	Categ
05	R5LIMHWRK	r5limhwrk:w5 whether health limits r housework	Categ
06	R6LIMHWRK	r6limhwrk:w6 whether health limits r housework	Categ
07	R7LIMHWRK	r7limhwrk:w7 whether health limits r housework	Categ
08	R8LIMHWRK	r8limhwrk:w8 whether health limits r housework	Categ
09	R9LIMHWRK	r9limhwrk:w9 whether health limits r housework	Categ
10	R10LIMHWRK	r10limhwrk:w10 whether health limits r housework	Categ
11	R11LIMHWRK	r11limhwrk:w11 whether health limits r housework	Categ
12	R12LIMHWRK	r12limhwrk:w12 whether health limits r housework	Categ
13	R13LIMHWRK	r13limhwrk:w13 whether health limits r housework	Categ
14	R14LIMHWRK	r14limhwrk:w14 whether health limits r housework	Categ
15	R15LIMHWRK	r15limhwrk:w15 whether health limits r housework	Categ
02	S2LIMHWRK	s2limhwrk:w2 whether health limits s housework	Categ
03	S3LIMHWRK	s3limhwrk:w3 whether health limits s housework	Categ
04	S4LIMHWRK	s4limhwrk:w4 whether health limits s housework	Categ
05	S5LIMHWRK	s5limhwrk:w5 whether health limits s housework	Categ
06	S6LIMHWRK	s6limhwrk:w6 whether health limits s housework	Categ
07	S7LIMHWRK	s7limhwrk:w7 whether health limits s housework	Categ
08	S8LIMHWRK	s8limhwrk:w8 whether health limits s housework	Categ
09	S9LIMHWRK	s9limhwrk:w9 whether health limits s housework	Categ
10	S10LIMHWRK	s10limhwrk:w10 whether health limits s housework	Categ
11	S11LIMHWRK	s11limhwrk:w11 whether health limits s housework	Categ
12	S12LIMHWRK	s12limhwrk:w12 whether health limits s housework	Categ
13	S13LIMHWRK	s13limhwrk:w13 whether health limits s housework	Categ
14	S14LIMHWRK	s14limhwrk:w14 whether health limits s housework	Categ
15	S15LIMHWRK	s15limhwrk:w15 whether health limits s housework	Categ
02	R2LIMIMPAR	r2limimpar:w2 whether r limited in any way due to impairment	Categ
03	R3LIMIMPAR	r3limimpar:w3 whether r limited in any way due to impairment	Categ
04	R4LIMIMPAR	r4limimpar:w4 whether r limited in any way due to impairment	Categ
05	R5LIMIMPAR	r5limimpar:w5 whether r limited in any way due to impairment	Categ
06	R6LIMIMPAR	r6limimpar:w6 whether r limited in any way due to impairment	Categ
07	R7LIMIMPAR	r7limimpar:w7 whether r limited in any way due to impairment	Categ
08	R8LIMIMPAR	r8limimpar:w8 whether r limited in any way due to impairment	Categ
09	R9LIMIMPAR	r9limimpar:w9 whether r limited in any way due to impairment	Categ
10	R10LIMIMPAR	r10limimpar:w10 whether r limited in any way due to impairme	Categ
11	R11LIMIMPAR	r11limimpar:w11 whether r limited in any way due to impairme	Categ
12	R12LIMIMPAR	r12limimpar:w12 whether r limited in any way due to impairme	Categ
13	R13LIMIMPAR	r13limimpar:w13 whether r limited in any way due to impairme	Categ
14	R14LIMIMPAR	r14limimpar:w14 whether r limited in any way due to impairme	Categ
15	R15LIMIMPAR	r15limimpar:w15 whether r limited in any way due to impairme	Categ
02	S2LIMIMPAR	s2limimpar:w2 whether s limited in any way due to impairment	Categ
03	S3LIMIMPAR	s3limimpar:w3 whether s limited in any way due to impairment	Categ
04	S4LIMIMPAR	s4limimpar:w4 whether s limited in any way due to impairment	Categ
05	S5LIMIMPAR	s5limimpar:w5 whether s limited in any way due to impairment	Categ
06	S6LIMIMPAR	s6limimpar:w6 whether s limited in any way due to impairment	Categ
07	S7LIMIMPAR	s7limimpar:w7 whether s limited in any way due to impairment	Categ
08	S8LIMIMPAR	s8limimpar:w8 whether s limited in any way due to impairment	Categ
09	S9LIMIMPAR	s9limimpar:w9 whether s limited in any way due to impairment	Categ
10	S10LIMIMPAR	s10limimpar:w10 whether s limited in any way due to impairme	Categ
11	S11LIMIMPAR	s11limimpar:w11 whether s limited in any way due to impairme	Categ
12	S12LIMIMPAR	s12limimpar:w12 whether s limited in any way due to impairme	Categ
13	S13LIMIMPAR	s13limimpar:w13 whether s limited in any way due to impairme	Categ

14 S14LIMIMPAR s14limimpar:w14 whether s limited in any way due to impaire Categ  
 15 S15LIMIMPAR s15limimpar:w15 whether s limited in any way due to impaire Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2LIMHWRK	11571	0.28	0.45	0.00	1.00
R3LIMHWRK	10921	0.29	0.46	0.00	1.00
R4LIMHWRK	21304	0.36	0.48	0.00	1.00
R5LIMHWRK	19528	0.35	0.48	0.00	1.00
R6LIMHWRK	18119	0.36	0.48	0.00	1.00
R7LIMHWRK	19253	0.32	0.47	0.00	1.00
R8LIMHWRK	17592	0.36	0.48	0.00	1.00
R9LIMHWRK	16487	0.37	0.48	0.00	1.00
R10LIMHWRK	21550	0.38	0.49	0.00	1.00
R11LIMHWRK	20293	0.39	0.49	0.00	1.00
R12LIMHWRK	18557	0.42	0.49	0.00	1.00
R13LIMHWRK	20687	0.41	0.49	0.00	1.00
R14LIMHWRK	16964	0.43	0.49	0.00	1.00
R15LIMHWRK	15507	0.42	0.49	0.00	1.00
S2LIMHWRK	8730	0.25	0.43	0.00	1.00
S3LIMHWRK	8292	0.27	0.44	0.00	1.00
S4LIMHWRK	13951	0.31	0.46	0.00	1.00
S5LIMHWRK	12719	0.30	0.46	0.00	1.00
S6LIMHWRK	11610	0.31	0.46	0.00	1.00
S7LIMHWRK	12681	0.28	0.45	0.00	1.00
S8LIMHWRK	11429	0.31	0.46	0.00	1.00
S9LIMHWRK	10424	0.32	0.47	0.00	1.00
S10LIMHWRK	13298	0.33	0.47	0.00	1.00
S11LIMHWRK	12401	0.34	0.47	0.00	1.00
S12LIMHWRK	10952	0.36	0.48	0.00	1.00
S13LIMHWRK	11704	0.35	0.48	0.00	1.00
S14LIMHWRK	9293	0.36	0.48	0.00	1.00
S15LIMHWRK	8405	0.36	0.48	0.00	1.00
R2LIMIMPAR	11571	0.32	0.47	0.00	1.00
R3LIMIMPAR	10923	0.33	0.47	0.00	1.00
R4LIMIMPAR	21300	0.39	0.49	0.00	1.00
R5LIMIMPAR	19524	0.39	0.49	0.00	1.00
R6LIMIMPAR	18116	0.40	0.49	0.00	1.00
R7LIMIMPAR	19249	0.38	0.49	0.00	1.00
R8LIMIMPAR	17588	0.41	0.49	0.00	1.00
R9LIMIMPAR	16486	0.42	0.49	0.00	1.00
R10LIMIMPAR	21554	0.43	0.50	0.00	1.00
R11LIMIMPAR	20290	0.44	0.50	0.00	1.00
R12LIMIMPAR	18578	0.47	0.50	0.00	1.00
R13LIMIMPAR	20686	0.46	0.50	0.00	1.00
R14LIMIMPAR	16972	0.47	0.50	0.00	1.00
R15LIMIMPAR	15524	0.46	0.50	0.00	1.00
S2LIMIMPAR	8731	0.29	0.45	0.00	1.00
S3LIMIMPAR	8294	0.31	0.46	0.00	1.00
S4LIMIMPAR	13948	0.35	0.48	0.00	1.00
S5LIMIMPAR	12716	0.34	0.47	0.00	1.00
S6LIMIMPAR	11611	0.35	0.48	0.00	1.00
S7LIMIMPAR	12680	0.34	0.47	0.00	1.00
S8LIMIMPAR	11426	0.36	0.48	0.00	1.00
S9LIMIMPAR	10424	0.37	0.48	0.00	1.00
S10LIMIMPAR	13299	0.38	0.49	0.00	1.00
S11LIMIMPAR	12397	0.39	0.49	0.00	1.00
S12LIMIMPAR	10950	0.41	0.49	0.00	1.00



S13LIMIMPAR	11703	0.40	0.49	0.00	1.00
S14LIMIMPAR	9297	0.41	0.49	0.00	1.00
S15LIMIMPAR	8406	0.41	0.49	0.00	1.00

### Categorical Variable Codes

Value-----		R2LIMHWRK	R3LIMHWRK	R4LIMHWRK	R5LIMHWRK
.d:DK		2	2	6	3
.m:Missing		14	38	54	40
.q:not asked in this wave		8222	7027		
.r:Refuse		8	3	20	7
0.no		8309	7707	13668	12657
1.yes		3262	3214	7636	6871

Value-----	R6LIMHWRK	R7LIMHWRK	R8LIMHWRK	R9LIMHWRK	R10LIMHWRK
.d:DK	7	8	4	9	23
.m:Missing	26	16	15	18	241
.o:too old to work		843	855	698	209
.r:Refuse	13	9	3	5	11
0.no	11577	13066	11206	10393	13272
1.yes	6542	6187	6386	6094	8278

Value-----	R11LIMHWRK	R12LIMHWRK	R13LIMHWRK	R14LIMHWRK	R15LIMHWRK
.d:DK	24	45	28	28	53
.m:Missing	45	45	117	84	112
.o:too old to work	182	88	63	56	39
.r:Refuse	10	12	17	14	12
0.no	12419	10848	12203	9719	9005
1.yes	7874	7709	8484	7245	6502

Value-----		S2LIMHWRK	S3LIMHWRK	S4LIMHWRK	S5LIMHWRK
.d:DK		1	2	1	
.m:Missing		2	11	16	8
.q:not asked in this wave		4350	3610		
.r:Refuse		5	1	10	3
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
0.no		6548	6037	9606	8864
1.yes		2182	2255	4345	3855

Value-----	S6LIMHWRK	S7LIMHWRK	S8LIMHWRK	S9LIMHWRK	S10LIMHWRK
.d:DK	2	2		4	11
.m:Missing	16	2	4	5	137
.o:too old to work		277	294	206	56
.r:Refuse	4	6	1	1	6
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	8047	9130	7844	7067	8899
1.yes	3563	3551	3585	3357	4399

Value-----	S11LIMHWRK	S12LIMHWRK	S13LIMHWRK	S14LIMHWRK	S15LIMHWRK
.d:DK	14	13	13	14	22
.m:Missing	11	14	36	24	19
.o:too old to work	47	31	15	20	17
.r:Refuse	3	2	10	7	3
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	8238	7057	7609	5917	5377
1.yes	4163	3895	4095	3376	3028

Value-----		R2LIMIMPAR	R3LIMIMPAR	R4LIMIMPAR	R5LIMIMPAR
.d:DK		3		10	6
.m:Missing		14	38	53	40
.q:not asked in this wave		8222	7027		
.r:Refuse		7	3	21	8
0.no		7860	7293	12922	11946
1.yes		3711	3630	8378	7578

Value-----	R6LIMIMPAR	R7LIMIMPAR	R8LIMIMPAR	R9LIMIMPAR	R10LIMIMPAR
.d:DK	9	11	8	9	19
.m:Missing	26	16	14	18	241
.o:too old to work		843	855	698	209
.r:Refuse	14	10	4	6	11

0.no		10906	11915	10382	9642	12208
1.yes		7210	7334	7206	6844	9346
Value-----		R11LIMIMPAR	R12LIMIMPAR	R13LIMIMPAR	R14LIMIMPAR	R15LIMIMPAR
.d:DK		25	27	29	26	37
.m:Missing		45	45	117	84	112
.o:too old to work		182	88	62	56	39
.r:Refuse		12	9	18	8	11
0.no		11424	9851	11260	8950	8333
1.yes		8866	8727	9426	8022	7191
Value-----		S2LIMIMPAR	S3LIMIMPAR	S4LIMIMPAR	S5LIMIMPAR	
.d:DK		1	1	5	3	
.m:Missing		2	11	15	8	
.q:not asked in this wave		4350	3610			
.r:Refuse		4	1	10	3	
.u:not coupled		5976	5659	6870	6537	
.v:SP NR		578	416	536	311	
0.no		6192	5706	9113	8382	
1.yes		2539	2588	4835	4334	
Value-----		S6LIMIMPAR	S7LIMIMPAR	S8LIMIMPAR	S9LIMIMPAR	S10LIMIMPAR
.d:DK		1	2	4	4	10
.m:Missing		16	2	3	5	137
.o:too old to work			277	294	206	56
.r:Refuse		4	7	1	1	6
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
0.no		7592	8387	7319	6576	8216
1.yes		4019	4293	4107	3848	5083
Value-----		S11LIMIMPAR	S12LIMIMPAR	S13LIMIMPAR	S14LIMIMPAR	S15LIMIMPAR
.d:DK		15	15	17	15	20
.m:Missing		11	14	36	24	19
.o:too old to work		47	31	14	20	17
.r:Refuse		6	2	8	2	4
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		7615	6428	7078	5481	4992
1.yes		4782	4522	4625	3816	3414

## How Constructed:

RwLIMHWRK indicates whether the respondent has any impairment or health problem that limits the kind or amount of work that can be done around the house. The respondent is first asked whether an impairment or problem limits their ability to work, and if not, then asked whether an impairment or problem limits their ability to do housework. RwLIMHWRK is coded as 1 if the respondent does have an impairment or health problem that limits the kind or amount of work that can be done around the house or that limits the kind or amount of paid work they can do, while a 0 indicates the respondent does not have such an impairment. If the respondent voluntarily reports being too old to work, then special missing code .o is assigned. Respondents who participated in the AHEAD cohorts in Waves 2 and 3 were not asked this question, and are assigned special missing code .q. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RwLIMHWRK is set to plain missing (.) for respondents who did not participate in the current wave.

SwLIMHWRK indicates whether the respondent's current wave's spouse has a health problem that limits their ability to do housework, and is taken from RwLIMHWRK. In addition to the special missing codes employed by RwLIMHWRK, SwLIMHWRK employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLIMIMPAR indicates whether the respondent is limited in any way in activities because of an impairment or problem. The respondent is first asked whether an impairment or problem limits their ability to work, and if not, then asked whether an impairment or problem limits their ability to do housework, and if not, then asked whether they are limited in any way in activities because of an impairment or problem. RwLIMIMPAR is coded as 1 if the respondent is limited in work, housework, or activities because of an impairment or problem, while a 0 indicates the respondent is not limited in any activities. Respondents who voluntarily reported being too old to work when asked whether an impairment or health problem limits the kind or amount of paid work, were not asked this question and were assigned special missing code .o. Respondents who participated in the AHEAD cohorts in Waves 2 and 3 were not asked this question, and are

assigned special missing code .q. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RwlLIMIMPAR is set to plain missing (.) for respondents who did not participate in the current wave.

SwLIMIMPAR indicates whether the respondent's current wave's spouse is limited in activities due to a health problem, and is taken from RwlLIMIMPAR. In addition to the special missing codes employed by RwlLIMIMPAR, SwLIMIMPAR employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

These limitation questions are not asked in Wave 1. Limitation questions are not asked to the AHEAD cohorts in Waves 2 and 3, but are asked to the Waves 2 and 3 HRS cohorts.

In Waves 2 through 6, respondents are not given the option to answer 'Too old to work' for questions pertaining to RwlLIMHWRK and RwlLIMIMPAR.

Starting in Wave 4, new respondents and reinterview respondents are asked these questions separately.

In Wave 7, respondents who reported a work disability in a prior wave were erroneously not asked whether their health affects paid work and were asked whether any health impairment limited their housework or any other activities, making the number of respondents to answer these questions much higher than any other waves.

## HRS Variables Used:

Wave 2 AHEAD:	
BN_INHH	ahd w1: # r's responding in hhold
Wave 2 HRS:	
W5200	j1.health problem that l
W5207	j1d.limit housework
W5208	j1e.limit in anyway
Wave 3 AHEAD:	
DN_INHH	dn_inhh: # r's responding in hhold
Wave 3 HRS:	
E3507	gd1. health prob
E3511	gd1d.limit housework
E3512	gd1e.limit in anyway
Wave 4:	
F4017	gd1. health prob
F4021	gd1d.limit housework
F4201	gj1.health prob
F4205	gj1d.limit housework
Wave 5:	
G4307	gd1. health prob
G4311	gd1d.limit housework
G4312	gd1e.limit in anyway
G4553	gj1.health prob
G4557	gj1d.limit housework
G4558	gj1e.limit in any way
Wave 6:	
HM002	hm002 health prob
HM004	hm004 temp cond
HM006	hm006 limit housewrk
HM007	hm007 limit in anyway
HM502	health prob
HM504	temporary condition?
HM506	limit housewrk
HM507	limit in any way
Wave 7:	
JM002	hm002 health prob

JM004	hm004 temp cond
JM006	hm006 limit housewrk
JM007	hm007 limit in anyway
JM502	hm502 health prob
JM504	hm504 temporary condition
JM506	hm506 limit housewrk
JM507	hm507 limit in any way
Wave 8:	
KM002	hm002 health prob
KM004	hm004 temp cond
KM006	hm006 limit housewrk
KM007	hm007 limit in anyway
KM502	hm502 health prob
KM504	hm504 temporary condition
KM506	hm506 limit housewrk
KM507	hm507 limit in any way
Wave 9:	
LM002	hm002 health prob
LM004	hm004 temp cond
LM006	hm006 limit housewrk
LM007	hm007 limit in anyway
LM502	hm502 health prob
LM504	hm504 temporary condition
LM506	hm506 limit housewrk
LM507	hm507 limit in any way
Wave 10:	
MM002	hm002 health prob
MM004	hm004 temp cond
MM006	hm006 limit housewrk
MM007	hm007 limit in anyway
MM502	hm502 health prob
MM504	hm504 temporary condition
MM506	hm506 limit housewrk
MM507	hm507 limit in any way
Wave 11:	
NM002	hm002 health prob
NM004	hm004 temp cond
NM006	hm006 limit housewrk
NM007	hm007 limit in anyway
NM502	hm502 health prob
NM504	hm504 temporary condition
NM506	hm506 limit housewrk
NM507	hm507 limit in any way
Wave 12:	
OM002	hm002 health prob
OM004	hm004 temp cond
OM006	hm006 limit housewrk
OM007	hm007 limit in anyway
OM502	hm502 health prob
OM504	hm504 temporary condition
OM506	hm506 limit housewrk
OM507	hm507 limit in any way
Wave 13:	
PM002	hm002 health prob
PM004	hm004 temp cond
PM006	hm006 limit housewrk
PM007	hm007 limit in anyway
PM502	hm502 health prob
PM504	hm504 temporary condition
PM506	hm506 limit housewrk
PM507	hm507 limit in any way
Wave 14:	
QM002	m002 health prob

QM004	m004 temp cond
QM006	m006 limit housewrk
QM007	m007 limit in anyway
QM502	m502 health prob
QM504	m504 temporary condition
QM506	m506 limit housewrk
QM507	m507 limit in any way
Wave 15:	
RM002	m002 health prob
RM004	m004 temp cond
RM006	m006 limit housewrk
RM007	m007 limit in anyway
RM502	m502 health prob
RM504	m504 temporary condition
RM506	m506 limit housewrk
RM507	m507 limit in any way

<b>Future ADL Help</b>
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Wave	Variable	Label	Type
02	R2FTRHLP	r2ftrhlp:w2 anyone able to help r with future adl needs	Categ
03	R3FTRHLP	r3ftrhlp:w3 anyone able to help r with future adl needs	Categ
04	R4FTRHLP	r4ftrhlp:w4 anyone able to help r with future adl needs	Categ
05	R5FTRHLP	r5ftrhlp:w5 anyone able to help r with future adl needs	Categ
06	R6FTRHLP	r6ftrhlp:w6 anyone able to help r with future adl needs	Categ
07	R7FTRHLP	r7ftrhlp:w7 anyone able to help r with future adl needs	Categ
08	R8FTRHLP	r8ftrhlp:w8 anyone able to help r with future adl needs	Categ
09	R9FTRHLP	r9ftrhlp:w9 anyone able to help r with future adl needs	Categ
10	R10FTRHLP	r10ftrhlp:w10 anyone able to help r with future adl needs	Categ
11	R11FTRHLP	r11ftrhlp:w11 anyone able to help r with future adl needs	Categ
12	R12FTRHLP	r12ftrhlp:w12 anyone able to help r with future adl needs	Categ
13	R13FTRHLP	r13ftrhlp:w13 anyone able to help r with future adl needs	Categ
14	R14FTRHLP	r14ftrhlp:w14 anyone able to help r with future adl needs	Categ
15	R15FTRHLP	r15ftrhlp:w15 anyone able to help r with future adl needs	Categ
02	S2FTRHLP	s2ftrhlp:w2 anyone able to help s with future adl needs	Categ
03	S3FTRHLP	s3ftrhlp:w3 anyone able to help s with future adl needs	Categ
04	S4FTRHLP	s4ftrhlp:w4 anyone able to help s with future adl needs	Categ
05	S5FTRHLP	s5ftrhlp:w5 anyone able to help s with future adl needs	Categ
06	S6FTRHLP	s6ftrhlp:w6 anyone able to help s with future adl needs	Categ
07	S7FTRHLP	s7ftrhlp:w7 anyone able to help s with future adl needs	Categ
08	S8FTRHLP	s8ftrhlp:w8 anyone able to help s with future adl needs	Categ
09	S9FTRHLP	s9ftrhlp:w9 anyone able to help s with future adl needs	Categ
10	S10FTRHLP	s10ftrhlp:w10 anyone able to help s with future adl needs	Categ
11	S11FTRHLP	s11ftrhlp:w11 anyone able to help s with future adl needs	Categ
12	S12FTRHLP	s12ftrhlp:w12 anyone able to help s with future adl needs	Categ
13	S13FTRHLP	s13ftrhlp:w13 anyone able to help s with future adl needs	Categ
14	S14FTRHLP	s14ftrhlp:w14 anyone able to help s with future adl needs	Categ
15	S15FTRHLP	s15ftrhlp:w15 anyone able to help s with future adl needs	Categ
02	R2FTRKIDS	r2ftrkids:w2 child/grandchild able to help r with future adl	Categ
03	R3FTRKIDS	r3ftrkids:w3 child/grandchild able to help r with future adl	Categ
04	R4FTRKIDS	r4ftrkids:w4 child/grandchild able to help r with future adl	Categ
05	R5FTRKIDS	r5ftrkids:w5 child/grandchild able to help r with future adl	Categ
06	R6FTRKIDS	r6ftrkids:w6 child/grandchild able to help r with future adl	Categ
07	R7FTRKIDS	r7ftrkids:w7 child/grandchild able to help r with future adl	Categ
08	R8FTRKIDS	r8ftrkids:w8 child/grandchild able to help r with future adl	Categ
09	R9FTRKIDS	r9ftrkids:w9 child/grandchild able to help r with future adl	Categ
10	R10FTRKIDS	r10ftrkids:w10 child/grandchild able to help r with future a	Categ
11	R11FTRKIDS	r11ftrkids:w11 child/grandchild able to help r with future a	Categ
12	R12FTRKIDS	r12ftrkids:w12 child/grandchild able to help r with future a	Categ
13	R13FTRKIDS	r13ftrkids:w13 child/grandchild able to help r with future a	Categ
14	R14FTRKIDS	r14ftrkids:w14 child/grandchild able to help r with future a	Categ
15	R15FTRKIDS	r15ftrkids:w15 child/grandchild able to help r with future a	Categ
02	S2FTRKIDS	s2ftrkids:w2 child/grandchild able to help s with future adl	Categ
03	S3FTRKIDS	s3ftrkids:w3 child/grandchild able to help s with future adl	Categ
04	S4FTRKIDS	s4ftrkids:w4 child/grandchild able to help s with future adl	Categ
05	S5FTRKIDS	s5ftrkids:w5 child/grandchild able to help s with future adl	Categ
06	S6FTRKIDS	s6ftrkids:w6 child/grandchild able to help s with future adl	Categ
07	S7FTRKIDS	s7ftrkids:w7 child/grandchild able to help s with future adl	Categ
08	S8FTRKIDS	s8ftrkids:w8 child/grandchild able to help s with future adl	Categ
09	S9FTRKIDS	s9ftrkids:w9 child/grandchild able to help s with future adl	Categ
10	S10FTRKIDS	s10ftrkids:w10 child/grandchild able to help s with future a	Categ
11	S11FTRKIDS	s11ftrkids:w11 child/grandchild able to help s with future a	Categ
12	S12FTRKIDS	s12ftrkids:w12 child/grandchild able to help s with future a	Categ
13	S13FTRKIDS	s13ftrkids:w13 child/grandchild able to help s with future a	Categ

14	S14FTRKIDS	s14ftrkids:w14	child/grandchild able to help s with future a	Categ
15	S15FTRKIDS	s15ftrkids:w15	child/grandchild able to help s with future a	Categ
02	R2FTROTTHR	r2fttrothr:w2	Other relative/someone else able to help r with	Categ
03	R3FTROTTHR	r3fttrothr:w3	Other relative/someone else able to help r with	Categ
04	R4FTROTTHR	r4fttrothr:w4	Other relative/someone else able to help r with	Categ
05	R5FTROTTHR	r5fttrothr:w5	Other relative/someone else able to help r with	Categ
06	R6FTROTTHR	r6fttrothr:w6	Other relative/someone else able to help r with	Categ
07	R7FTROTTHR	r7fttrothr:w7	Other relative/someone else able to help r with	Categ
08	R8FTROTTHR	r8fttrothr:w8	Other relative/someone else able to help r with	Categ
09	R9FTROTTHR	r9fttrothr:w9	Other relative/someone else able to help r with	Categ
10	R10FTROTTHR	r10fttrothr:w10	Other relative/someone else able to help r wi	Categ
11	R11FTROTTHR	r11fttrothr:w11	Other relative/someone else able to help r wi	Categ
12	R12FTROTTHR	r12fttrothr:w12	Other relative/someone else able to help r wi	Categ
13	R13FTROTTHR	r13fttrothr:w13	Other relative/someone else able to help r wi	Categ
14	R14FTROTTHR	r14fttrothr:w14	Other relative/someone else able to help r wi	Categ
15	R15FTROTTHR	r15fttrothr:w15	Other relative/someone else able to help r wi	Categ
02	S2FTROTTHR	s2fttrothr:w2	Other relative/someone else able to help s with	Categ
03	S3FTROTTHR	s3fttrothr:w3	Other relative/someone else able to help s with	Categ
04	S4FTROTTHR	s4fttrothr:w4	Other relative/someone else able to help s with	Categ
05	S5FTROTTHR	s5fttrothr:w5	Other relative/someone else able to help s with	Categ
06	S6FTROTTHR	s6fttrothr:w6	Other relative/someone else able to help s with	Categ
07	S7FTROTTHR	s7fttrothr:w7	Other relative/someone else able to help s with	Categ
08	S8FTROTTHR	s8fttrothr:w8	Other relative/someone else able to help s with	Categ
09	S9FTROTTHR	s9fttrothr:w9	Other relative/someone else able to help s with	Categ
10	S10FTROTTHR	s10fttrothr:w10	Other relative/someone else able to help s wi	Categ
11	S11FTROTTHR	s11fttrothr:w11	Other relative/someone else able to help s wi	Categ
12	S12FTROTTHR	s12fttrothr:w12	Other relative/someone else able to help s wi	Categ
13	S13FTROTTHR	s13fttrothr:w13	Other relative/someone else able to help s wi	Categ
14	S14FTROTTHR	s14fttrothr:w14	Other relative/someone else able to help s wi	Categ
15	S15FTROTTHR	s15fttrothr:w15	Other relative/someone else able to help s wi	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2FTRHLP	6486	0.51	0.50	0.00	1.00
R3FTRHLP	15830	0.59	0.49	0.00	1.00
R4FTRHLP	18779	0.60	0.49	0.00	1.00
R5FTRHLP	17181	0.60	0.49	0.00	1.00
R6FTRHLP	14783	0.64	0.48	0.00	1.00
R7FTRHLP	16570	0.66	0.47	0.00	1.00
R8FTRHLP	15049	0.67	0.47	0.00	1.00
R9FTRHLP	14046	0.66	0.47	0.00	1.00
R10FTRHLP	17769	0.68	0.47	0.00	1.00
R11FTRHLP	16633	0.68	0.47	0.00	1.00
R12FTRHLP	14975	0.69	0.46	0.00	1.00
R13FTRHLP	17008	0.68	0.46	0.00	1.00
R14FTRHLP	14084	0.69	0.46	0.00	1.00
R15FTRHLP	12997	0.68	0.46	0.00	1.00
S2FTRHLP	3876	0.46	0.50	0.00	1.00
S3FTRHLP	11154	0.58	0.49	0.00	1.00
S4FTRHLP	12995	0.59	0.49	0.00	1.00
S5FTRHLP	11850	0.59	0.49	0.00	1.00
S6FTRHLP	9844	0.63	0.48	0.00	1.00
S7FTRHLP	11086	0.65	0.48	0.00	1.00
S8FTRHLP	9911	0.66	0.47	0.00	1.00
S9FTRHLP	9073	0.65	0.48	0.00	1.00
S10FTRHLP	11370	0.67	0.47	0.00	1.00
S11FTRHLP	10550	0.66	0.47	0.00	1.00
S12FTRHLP	9214	0.67	0.47	0.00	1.00

S13FTRHLP	9980	0.67	0.47	0.00	1.00
S14FTRHLP	7968	0.67	0.47	0.00	1.00
S15FTRHLP	7307	0.67	0.47	0.00	1.00
R2FTRKIDS	6478	0.38	0.49	0.00	1.00
R3FTRKIDS	15821	0.43	0.49	0.00	1.00
R4FTRKIDS	18767	0.45	0.50	0.00	1.00
R5FTRKIDS	17171	0.45	0.50	0.00	1.00
R6FTRKIDS	14771	0.49	0.50	0.00	1.00
R7FTRKIDS	16556	0.47	0.50	0.00	1.00
R8FTRKIDS	15040	0.47	0.50	0.00	1.00
R9FTRKIDS	14033	0.47	0.50	0.00	1.00
R10FTRKIDS	17746	0.44	0.50	0.00	1.00
R11FTRKIDS	16617	0.45	0.50	0.00	1.00
R12FTRKIDS	14953	0.49	0.50	0.00	1.00
R13FTRKIDS	16978	0.46	0.50	0.00	1.00
R14FTRKIDS	14071	0.48	0.50	0.00	1.00
R15FTRKIDS	12970	0.49	0.50	0.00	1.00
S2FTRKIDS	3873	0.38	0.49	0.00	1.00
S3FTRKIDS	11147	0.43	0.49	0.00	1.00
S4FTRKIDS	12988	0.45	0.50	0.00	1.00
S5FTRKIDS	11847	0.45	0.50	0.00	1.00
S6FTRKIDS	9838	0.49	0.50	0.00	1.00
S7FTRKIDS	11077	0.47	0.50	0.00	1.00
S8FTRKIDS	9906	0.47	0.50	0.00	1.00
S9FTRKIDS	9063	0.47	0.50	0.00	1.00
S10FTRKIDS	11364	0.43	0.50	0.00	1.00
S11FTRKIDS	10543	0.45	0.50	0.00	1.00
S12FTRKIDS	9200	0.48	0.50	0.00	1.00
S13FTRKIDS	9963	0.46	0.50	0.00	1.00
S14FTRKIDS	7963	0.48	0.50	0.00	1.00
S15FTRKIDS	7297	0.49	0.50	0.00	1.00
R2FTROTHR	6478	0.13	0.33	0.00	1.00
R3FTROTHR	15821	0.21	0.41	0.00	1.00
R4FTROTHR	18767	0.23	0.42	0.00	1.00
R5FTROTHR	17171	0.21	0.41	0.00	1.00
R6FTROTHR	14771	0.23	0.42	0.00	1.00
R7FTROTHR	16556	0.26	0.44	0.00	1.00
R8FTROTHR	15040	0.28	0.45	0.00	1.00
R9FTROTHR	14033	0.28	0.45	0.00	1.00
R10FTROTHR	17746	0.37	0.48	0.00	1.00
R11FTROTHR	16617	0.39	0.49	0.00	1.00
R12FTROTHR	14953	0.41	0.49	0.00	1.00
R13FTROTHR	16978	0.42	0.49	0.00	1.00
R14FTROTHR	14071	0.44	0.50	0.00	1.00
R15FTROTHR	12970	0.39	0.49	0.00	1.00
S2FTROTHR	3873	0.08	0.27	0.00	1.00
S3FTROTHR	11147	0.20	0.40	0.00	1.00
S4FTROTHR	12988	0.22	0.41	0.00	1.00
S5FTROTHR	11847	0.19	0.40	0.00	1.00
S6FTROTHR	9838	0.21	0.41	0.00	1.00
S7FTROTHR	11077	0.24	0.43	0.00	1.00
S8FTROTHR	9906	0.26	0.44	0.00	1.00
S9FTROTHR	9063	0.26	0.44	0.00	1.00
S10FTROTHR	11364	0.35	0.48	0.00	1.00
S11FTROTHR	10543	0.37	0.48	0.00	1.00
S12FTROTHR	9200	0.39	0.49	0.00	1.00
S13FTROTHR	9963	0.40	0.49	0.00	1.00
S14FTROTHR	7963	0.42	0.49	0.00	1.00
S15FTROTHR	7297	0.36	0.48	0.00	1.00



## Categorical Variable Codes

Value-----	R2FTRHLP	R3FTRHLP	R4FTRHLP	R5FTRHLP
.d:DK		385	568	574
.h:gets help now	1688	1710	1993	1786
.m:Missing	32	57	29	25
.q:not asked in this wave	11595			
.r:Refuse	16	9	15	12
0.no	3207	6544	7495	6870
1.yes	3279	9286	11284	10311

Value-----	R6FTRHLP	R7FTRHLP	R8FTRHLP	R9FTRHLP	R10FTRHLP
.d:DK	654	669	669	563	514
.h:gets help now	2588	2762	2688	2533	3537
.m:Missing	7	8	7	8	138
.n:nursing home res	118	107	53	57	58
.r:Refuse	15	13	3	10	18
0.no	5320	5686	5037	4742	5668
1.yes	9463	10884	10012	9304	12101

Value-----	R11FTRHLP	R12FTRHLP	R13FTRHLP	R14FTRHLP	R15FTRHLP
.d:DK	462	413	444	309	297
.h:gets help now	3354	3251	3338	2643	2273
.m:Missing	18	16	37	27	75
.n:nursing home res	64	66	70	68	71
.r:Refuse	23	26	15	15	10
0.no	5395	4684	5371	4423	4109
1.yes	11238	10291	11637	9661	8888

Value-----	S2FTRHLP	S3FTRHLP	S4FTRHLP	S5FTRHLP
.d:DK		245	365	388
.h:gets help now	460	496	602	482
.m:Missing	8	18	7	6
.q:not asked in this wave	8738			
.r:Refuse	6	3	9	4
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
0.no	2101	4693	5324	4833
1.yes	1775	6461	7671	7017

Value-----	S6FTRHLP	S7FTRHLP	S8FTRHLP	S9FTRHLP	S10FTRHLP
.d:DK	443	439	444	342	295
.h:gets help now	1268	1393	1361	1204	1745
.m:Missing	3	1	1	2	83
.n:nursing home res	63	41	9	13	5
.r:Refuse	11	8	2	6	10
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	3613	3929	3402	3176	3796
1.yes	6231	7157	6509	5897	7574

Value-----	S11FTRHLP	S12FTRHLP	S13FTRHLP	S14FTRHLP	S15FTRHLP
.d:DK	290	229	257	164	154
.h:gets help now	1606	1544	1515	1203	977
.m:Missing	4	5	10	6	11
.n:nursing home res	17	10	10	11	15
.r:Refuse	9	10	6	6	2
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	3593	3011	3274	2593	2438
1.yes	6957	6203	6706	5375	4869

Value-----	R2FTRKIDS	R3FTRKIDS	R4FTRKIDS	R5FTRKIDS
.d:DK		393	580	582
.h:gets help now	1688	1710	1993	1786
.m:Missing	32	54	29	25
.q:not asked in this wave	11595			
.r:Refuse	16	13	15	14
0.no	4023	9084	10394	9439
1.yes	2455	6737	8373	7732

Value-----	R6FTRKIDS	R7FTRKIDS	R8FTRKIDS	R9FTRKIDS	R10FTRKIDS
.d:DK	665	682	678	575	531

.h:gets help now	2588	2762	2688	2533	3537
.m:Missing	7	8	7	8	138
.n:nursing home res	118	107	53	57	58
.r:Refuse	16	14	3	11	24
0.no	7558	8825	7932	7400	10003
1.yes	7213	7731	7108	6633	7743
Value-----	R11FTRKIDS	R12FTRKIDS	R13FTRKIDS	R14FTRKIDS	R15FTRKIDS
.d:DK	475	430	464	317	311
.h:gets help now	3354	3251	3338	2643	2273
.m:Missing	18	16	37	27	83
.n:nursing home res	64	66	70	68	71
.r:Refuse	26	31	25	20	15
0.no	9086	7678	9171	7356	6621
1.yes	7531	7275	7807	6715	6349
Value-----		S2FTRKIDS	S3FTRKIDS	S4FTRKIDS	S5FTRKIDS
.d:DK		3	251	372	391
.h:gets help now		460	496	602	482
.m:Missing		8	17	7	6
.q:not asked in this wave		8738			
.r:Refuse		6	5	9	4
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
0.no		2419	6330	7144	6508
1.yes		1454	4817	5844	5339
Value-----	S6FTRKIDS	S7FTRKIDS	S8FTRKIDS	S9FTRKIDS	S10FTRKIDS
.d:DK	448	448	449	352	301
.h:gets help now	1268	1393	1361	1204	1745
.m:Missing	3	1	1	2	83
.n:nursing home res	63	41	9	13	5
.r:Refuse	12	8	2	6	10
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	4994	5890	5246	4823	6478
1.yes	4844	5187	4660	4240	4886
Value-----	S11FTRKIDS	S12FTRKIDS	S13FTRKIDS	S14FTRKIDS	S15FTRKIDS
.d:DK	295	241	268	168	161
.h:gets help now	1606	1544	1515	1203	977
.m:Missing	4	5	10	6	13
.n:nursing home res	17	10	10	11	15
.r:Refuse	11	12	12	7	3
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	5842	4772	5381	4155	3728
1.yes	4701	4428	4582	3808	3569
Value-----		R2FTROTTHR	R3FTROTTHR	R4FTROTTHR	R5FTROTTHR
.d:DK		8	393	580	582
.h:gets help now		1688	1710	1993	1786
.m:Missing		32	54	29	25
.q:not asked in this wave		11595			
.r:Refuse		16	13	15	14
0.no		5662	12431	14406	13583
1.yes		816	3390	4361	3588
Value-----	R6FTROTTHR	R7FTROTTHR	R8FTROTTHR	R9FTROTTHR	R10FTROTTHR
.d:DK	665	682	678	575	531
.h:gets help now	2588	2762	2688	2533	3537
.m:Missing	7	8	7	8	138
.n:nursing home res	118	107	53	57	58
.r:Refuse	16	14	3	11	24
0.no	11443	12204	10881	10094	11156
1.yes	3328	4352	4159	3939	6590
Value-----	R11FTROTTHR	R12FTROTTHR	R13FTROTTHR	R14FTROTTHR	R15FTROTTHR
.d:DK	475	430	464	317	311
.h:gets help now	3354	3251	3338	2643	2273
.m:Missing	18	16	37	27	83
.n:nursing home res	64	66	70	68	71
.r:Refuse	26	31	25	20	15
0.no	10113	8776	9899	7928	7945
1.yes	6504	6177	7079	6143	5025

Value-----	S2FTROTHR	S3FTROTHR	S4FTROTHR	S5FTROTHR
.d:DK	3	251	372	391
.h:gets help now	460	496	602	482
.m:Missing	8	17	7	6
.q:not asked in this wave	8738			
.r:Refuse	6	5	9	4
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
0.no	3555	8892	10175	9545
1.yes	318	2255	2813	2302

Value-----	S6FTROTHR	S7FTROTHR	S8FTROTHR	S9FTROTHR	S10FTROTHR
.d:DK	448	448	449	352	301
.h:gets help now	1268	1393	1361	1204	1745
.m:Missing	3	1	1	2	83
.n:nursing home res	63	41	9	13	5
.r:Refuse	12	8	2	6	10
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	7789	8389	7298	6666	7368
1.yes	2049	2688	2608	2397	3996

Value-----	S11FTROTHR	S12FTROTHR	S13FTROTHR	S14FTROTHR	S15FTROTHR
.d:DK	295	241	268	168	161
.h:gets help now	1606	1544	1515	1203	977
.m:Missing	4	5	10	6	13
.n:nursing home res	17	10	10	11	15
.r:Refuse	11	12	12	7	3
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	6612	5567	6015	4654	4659
1.yes	3931	3633	3948	3309	2638

### How Constructed:

RwFTRHLP indicates whether, supposing in the future the respondent needed help with basic personal care activities like eating or dressing (i.e. ADL), they have relatives or friends besides a spouse/partner, who would be willing and able to help them over a long period with said needs. RwFTRHLP is coded as 1 if the respondent would have someone willing and able to help them in the future if need be, while a 0 indicates they do not have anyone. Special missing code .h is employed if the respondent currently receives help with ADLs or IADLs and was not asked this question. Starting in Wave 6, special missing code .n is employed if the respondent resides in a nursing home or health care facility, and is not asked this question. The HRS cohort in Wave 2 are not asked this question, and so are assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RwFTRHLP is set to plain missing (.) for respondents who did not participate in the current wave.

SwFTRHLP indicates whether the respondent's current wave's spouse has someone who could help with future ADL needs, and is taken from RwFTRHLP. In addition to the special missing codes employed by RwFTRHLP, SwFTRHLP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFTRKIDS indicates whether a child, child-in-law, or grandchild of the respondent would be willing and able to help the respondent with basic personal care activities if needed in the future. RwFTRKIDS is coded as 0 if the respondent did not report a child, child-in-law, or grandchild could help or that nobody could help, and is coded as 1 if a child, child-in-law, or grandchild could help. This question is asked if the respondent answered they do have someone who would be willing and able to help if needed in the future with basic personal care activities. Special missing code .h is employed if the respondent currently receives help with ADLs or IADLs and was not asked these questions. Starting in Wave 6, special missing code .n is employed if the respondent resides in a nursing home or health care facility, and is not asked this question. The HRS cohort in Wave 2 are not asked this question, and so are assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RwFTRKIDS is set to plain missing (.) for respondents who did not participate in the current wave.

SwFTRKIDS indicates whether a child, child-in-law, or grandchild would help the respondent's current wave's spouse with future ADL needs, and is taken from RwFTRKIDS. In addition to the special missing

codes employed by RwfTRKIDS, SwfTRKIDS employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFTROTHR indicates whether a relative of the respondent or someone else, not child or grandchild, would be willing and able to help the respondent with basic personal care activities if needed in the future. RwFTROTHR is coded as 0 if the respondent did not report a relative or someone else could help or that nobody could help, and is coded as 1 if a relative or someone else could help. This question is asked if the respondent answered they do have someone who would be willing and able to help if needed in the future with basic personal care activities. Special missing code .h is employed if the respondent currently receives help with ADLs or IADLs and was not asked these questions. Starting in Wave 6, special missing code .n is employed if the respondent resides in a nursing home or health care facility, and is not asked this question. The HRS cohort in Wave 2 are not asked this question, and so are assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RwFTROTHR is set to plain missing (.) for respondents who did not participate in the current wave.

SwFTROTHR indicates whether a relative or someone else would help the respondent's current wave's spouse with future ADL needs, and is taken from RwFTROTHR. In addition to the special missing codes employed by RwFTROTHR, SwFTROTHR employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

HRS Wave 2 respondents are not asked these questions.

Questions about whether someone would help the respondent if they had future need for help with personal care activities are asked beginning in the AHEAD cohort in Wave 2.

For the AHEAD cohort in Wave 2 and Waves 3 through 5, respondents are asked about future ADL assistance whether or not the respondent lives in a nursing home. Starting in Wave 6, respondents living in a nursing home are not asked these questions.

## HRS Variables Used:

RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10MEALSA	r10mealsa:w10 r any diff-prepare hot meal
R10MEDSA	r10medsa:w10 r any diff-take medications
R10MONEYA	r10moneya:w10 r any diff-managing money
R10PHONEA	r10phonea:w10 r any diff-use telephone
R10SHOPA	r10shopa:w10 r any diff-shop for grocery
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11MEALSA	r11mealsa:w11 r any diff-prepare hot meal
R11MEDSA	r11medsa:w11 r any diff-take medications
R11MONEYA	r11moneya:w11 r any diff-managing money
R11PHONEA	r11phonea:w11 r any diff-use telephone
R11SHOPA	r11shopa:w11 r any diff-shop for grocery
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed

R12DRESSA r12dressa:w12 r any diff-dressing  
R12EATA r12eata:w12 r any diff-eating  
R12MEALSA r12mealsa:w12 r any diff-prepare hot meal  
R12MEDSA r12medsa:w12 r any diff-take medications  
R12MONEYA r12moneya:w12 r any diff-managing money  
R12PHONEA r12phonea:w12 r any diff-use telephone  
R12SHOPA r12shopa:w12 r any diff-shop for grocery  
R12TOILTA r12toilta:w12 r any diff-using the toilet  
R12WALKRA r12walkra:w12 r any diff-walk across room  
R13BATHA r13batha:w13 r any diff-bathing, shower  
R13BEDA r13beda:w13 r any diff-get in/out bed  
R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13MEALSA r13mealsa:w13 r any diff-prepare hot meal  
R13MEDSA r13medsa:w13 r any diff-take medications  
R13MONEYA r13moneya:w13 r any diff-managing money  
R13PHONEA r13phonea:w13 r any diff-use telephone  
R13SHOPA r13shopa:w13 r any diff-shop for grocery  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14MEALS r14meals:w14 r diff-preparing hot meals  
R14MEDSA r14medsa:w14 r any diff-take medications  
R14MONEYA r14moneya:w14 r any diff-managing money  
R14PHONEA r14phonea:w14 r any diff-use telephone  
R14SHOPA r14shopa:w14 r any diff-shop for grocery  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15MEALS r15meals:w15 r diff-preparing hot meals  
R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4TOILTA r4toilta:w4 r any diff-using the toilet

R4WALKRA	r4walkra:w4	r any diff-walk across room
R5BATHA	r5batha:w5	r any diff-bathing, shower
R5BEDA	r5beda:w5	r any diff-get in/out bed
R5DRESSA	r5dressa:w5	r any diff-dressing
R5EATA	r5eata:w5	r any diff-eating
R5MEALSA	r5mealsa:w5	r any diff-prepare hot meal
R5MEDSA	r5medsa:w5	r any diff-take medications
R5MONEYA	r5moneya:w5	r any diff-managing money
R5PHONEA	r5phonea:w5	r any diff-use telephone
R5SHOPA	r5shopa:w5	r any diff-shop for grocery
R5TOILTA	r5toilta:w5	r any diff-using the toilet
R5WALKRA	r5walkra:w5	r any diff-walk across room
R6BATHA	r6batha:w6	r any diff-bathing, shower
R6BEDA	r6beda:w6	r any diff-get in/out bed
R6DRESSA	r6dressa:w6	r any diff-dressing
R6EATA	r6eata:w6	r any diff-eating
R6MEALSA	r6mealsa:w6	r any diff-prepare hot meal
R6MEDSA	r6medsa:w6	r any diff-take medications
R6MONEYA	r6moneya:w6	r any diff-managing money
R6PHONEA	r6phonea:w6	r any diff-use telephone
R6SHOPA	r6shopa:w6	r any diff-shop for grocery
R6TOILTA	r6toilta:w6	r any diff-using the toilet
R6WALKRA	r6walkra:w6	r any diff-walk across room
R7BATHA	r7batha:w7	r any diff-bathing, shower
R7BEDA	r7beda:w7	r any diff-get in/out bed
R7DRESSA	r7dressa:w7	r any diff-dressing
R7EATA	r7eata:w7	r any diff-eating
R7MEALSA	r7mealsa:w7	r any diff-prepare hot meal
R7MEDSA	r7medsa:w7	r any diff-take medications
R7MONEYA	r7moneya:w7	r any diff-managing money
R7PHONEA	r7phonea:w7	r any diff-use telephone
R7SHOPA	r7shopa:w7	r any diff-shop for grocery
R7TOILTA	r7toilta:w7	r any diff-using the toilet
R7WALKRA	r7walkra:w7	r any diff-walk across room
R8BATHA	r8batha:w8	r any diff-bathing, shower
R8BEDA	r8beda:w8	r any diff-get in/out bed
R8DRESSA	r8dressa:w8	r any diff-dressing
R8EATA	r8eata:w8	r any diff-eating
R8MEALSA	r8mealsa:w8	r any diff-prepare hot meal
R8MEDSA	r8medsa:w8	r any diff-take medications
R8MONEYA	r8moneya:w8	r any diff-managing money
R8PHONEA	r8phonea:w8	r any diff-use telephone
R8SHOPA	r8shopa:w8	r any diff-shop for grocery
R8TOILTA	r8toilta:w8	r any diff-using the toilet
R8WALKRA	r8walkra:w8	r any diff-walk across room
R9BATHA	r9batha:w9	r any diff-bathing, shower
R9BEDA	r9beda:w9	r any diff-get in/out bed
R9DRESSA	r9dressa:w9	r any diff-dressing
R9EATA	r9eata:w9	r any diff-eating
R9MEALSA	r9mealsa:w9	r any diff-prepare hot meal
R9MEDSA	r9medsa:w9	r any diff-take medications
R9MONEYA	r9moneya:w9	r any diff-managing money
R9PHONEA	r9phonea:w9	r any diff-use telephone
R9SHOPA	r9shopa:w9	r any diff-shop for grocery
R9TOILTA	r9toilta:w9	r any diff-using the toilet
R9WALKRA	r9walkra:w9	r any diff-walk across room
Wave 2 AHEAD:		
B1008	e70.	who help personal care future
B1009	e70a.	relative help personal care future
Wave 2 HRS:		
WN_INHH	hrs w2:	# in hhold (r1/r2 only)
Wave 3 AHEAD:		
D2172	e174.rel	health care fut

D2173	e174a.rel health care
D240	cs11.r-where live
Wave 3 HRS:	
E2175	e174.rel health care fut
E2176M1	e174a.rel health care
E2176M2	e174a.rel health care
E2176M3	e174a.rel health care
E2176M4	e174a.rel health care
E240	cs11.r-where live
Wave 4:	
F2684	e174.rel health care fut
F2685M1	e174a.rel health care
F2685M2	e174a.rel health care
F2685M3	e174a.rel health care
F2685M4	e174a.rel health care
F517	cs11.r in nursing home
Wave 5:	
G3002	e174.rel health care fut
G3003M1	e174a.rel health care
G3003M2	e174a.rel health care
G3003M3	e174a.rel health care
G3003M4	e174a.rel health care
G558	cs11.r in nursing home
Wave 6:	
HA028	r in nursing home
HG097	relatives/friends help w/ future needs
HG098M1	help w/ future needs- relationship- 1
HG098M2	help w/ future needs- relationship- 2
HG098M3	help w/ future needs- relationship- 3
HG098M4	help w/ future needs- relationship- 4
Wave 7:	
JA028	r in nursing home
JG097	relatives/friends help w/ future needs
JG098M1	help w/ future needs- relationship- 1
JG098M2	help w/ future needs- relationship- 2
JG098M3	help w/ future needs- relationship- 3
JG098M4	help w/ future needs- relationship- 4
Wave 8:	
KA028	r in nursing home
KG097	relatives/friends help w/ future needs
KG098M1	help w/ future needs- relationship- 1
KG098M2	help w/ future needs- relationship- 2
KG098M3	help w/ future needs- relationship- 3
KG098M4	help w/ future needs- relationship- 4
Wave 9:	
LA028	r in nursing home
LG097	relatives/friends help w/ future needs
LG098M1	help w/ future needs- relationship- 1
LG098M2	help w/ future needs- relationship- 2
LG098M3	help w/ future needs- relationship- 3
LG098M4	help w/ future needs- relationship- 4
Wave 10:	
MA028	r in nursing home
MG097	relatives/friends help w/ future needs
MG098M1	help w/ future needs- relationship- 1
MG098M2	help w/ future needs- relationship- 2
MG098M3	help w/ future needs- relationship- 3
MG098M4	help w/ future needs- relationship- 4
Wave 11:	
NA028	r in nursing home
NG097	relatives/friends help w/ future needs
NG098M1	help w/ future needs- relationship- 1
NG098M2	help w/ future needs- relationship- 2

NG098M3 help w/ future needs- relationship- 3  
NG098M4 help w/ future needs- relationship- 4

Wave 12:

OA028 r in nursing home  
OG097 relatives/friends help w/ future needs  
OG098M1 help w/ future needs- relationship- 1  
OG098M2 help w/ future needs- relationship- 2  
OG098M3 help w/ future needs- relationship- 3  
OG098M4 help w/ future needs- relationship- 4

Wave 13:

PA028 r in nursing home  
PG097 relatives/friends help w/ future needs  
PG098M1 help w/ future needs- relationship- 1  
PG098M2 help w/ future needs- relationship- 2  
PG098M3 help w/ future needs- relationship- 3  
PG098M4 help w/ future needs- relationship- 4

Wave 14:

QA028 r in nursing home  
QG097 relatives/friends help w/ future needs  
QG098M1 help w/ future needs- relationship- 1  
QG098M2 help w/ future needs- relationship- 2  
QG098M3 help w/ future needs- relationship- 3  
QG098M4 help w/ future needs- relationship- 4

Wave 15:

RA028 r in nursing home  
RG097 relatives/friends help w/ future needs  
RG098M1 help w/ future needs- relationship- 1  
RG098M2 help w/ future needs- relationship- 2  
RG098M3 help w/ future needs- relationship- 3  
RG098M4 help w/ future needs- relationship- 4



<b>Providing Care: Caring for Parents</b>
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Wave	Variable	Label	Type
02	H2GPCARE	h2gpcare:w2 cares for parents 100+ hrs	Categ
03	H3GPCARE	h3gpcare:w3 cares for parents 100+ hrs	Categ
04	H4GPCARE	h4gpcare:w4 cares for parents 100+ hrs	Categ
05	H5GPCARE	h5gpcare:w5 cares for parents 100+ hrs	Categ
06	H6GPCARE	h6gpcare:w6 cares for parents 100+ hrs	Categ
07	H7GPCARE	h7gpcare:w7 cares for parents 100+ hrs	Categ
08	H8GPCARE	h8gpcare:w8 cares for parents 100+ hrs	Categ
09	H9GPCARE	h9gpcare:w9 cares for parents 100+ hrs	Categ
10	H10GPCARE	h10gpcare:w10 cares for parents 100+ hrs	Categ
11	H11GPCARE	h11gpcare:w11 cares for parents 100+ hrs	Categ
12	H12GPCARE	h12gpcare:w12 cares for parents 100+ hrs	Categ
13	H13GPCARE	h13gpcare:w13 cares for parents 100+ hrs	Categ
14	H14GPCARE	h14gpcare:w14 cares for parents 100+ hrs	Categ
15	H15GPCARE	h15gpcare:w15 cares for parents 100+ hrs	Categ
01	H1GAPCARE	h1gapcare:w1 helps parents w/personal needs 100+ hrs	Categ
02	H2GAPCARE	h2gapcare:w2 helps parents w/personal needs 100+ hrs	Categ
03	H3GAPCARE	h3gapcare:w3 helps parents w/personal needs 100+ hrs	Categ
04	H4GAPCARE	h4gapcare:w4 helps parents w/personal needs 100+ hrs	Categ
05	H5GAPCARE	h5gapcare:w5 helps parents w/personal needs 100+ hrs	Categ
06	H6GAPCARE	h6gapcare:w6 helps parents w/personal needs 100+ hrs	Categ
07	H7GAPCARE	h7gapcare:w7 helps parents w/personal needs 100+ hrs	Categ
08	H8GAPCARE	h8gapcare:w8 helps parents w/personal needs 100+ hrs	Categ
09	H9GAPCARE	h9gapcare:w9 helps parents w/personal needs 100+ hrs	Categ
10	H10GAPCARE	h10gapcare:w10 helps parents w/personal needs 100+ hrs	Categ
11	H11GAPCARE	h11gapcare:w11 helps parents w/personal needs 100+ hrs	Categ
12	H12GAPCARE	h12gapcare:w12 helps parents w/personal needs 100+ hrs	Categ
13	H13GAPCARE	h13gapcare:w13 helps parents w/personal needs 100+ hrs	Categ
14	H14GAPCARE	h14gapcare:w14 helps parents w/personal needs 100+ hrs	Categ
15	H15GAPCARE	h15gapcare:w15 helps parents w/personal needs 100+ hrs	Categ
02	H2GPCHORE	h2gpchore:w2 helps parents w/errands 100+ hrs	Categ
03	H3GPCHORE	h3gpchore:w3 helps parents w/errands 100+ hrs	Categ
04	H4GPCHORE	h4gpchore:w4 helps parents w/errands 100+ hrs	Categ
05	H5GPCHORE	h5gpchore:w5 helps parents w/errands 100+ hrs	Categ
06	H6GPCHORE	h6gpchore:w6 helps parents w/errands 100+ hrs	Categ
07	H7GPCHORE	h7gpchore:w7 helps parents w/errands 100+ hrs	Categ
08	H8GPCHORE	h8gpchore:w8 helps parents w/errands 100+ hrs	Categ
09	H9GPCHORE	h9gpchore:w9 helps parents w/errands 100+ hrs	Categ
10	H10GPCHORE	h10gpchore:w10 helps parents w/errands 100+ hrs	Categ
11	H11GPCHORE	h11gpchore:w11 helps parents w/errands 100+ hrs	Categ
12	H12GPCHORE	h12gpchore:w12 helps parents w/errands 100+ hrs	Categ
13	H13GPCHORE	h13gpchore:w13 helps parents w/errands 100+ hrs	Categ
14	H14GPCHORE	h14gpchore:w14 helps parents w/errands 100+ hrs	Categ
15	H15GPCHORE	h15gpchore:w15 helps parents w/errands 100+ hrs	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2GPCARE	4820	0.35	0.48	0.00	1.00
H3GPCARE	6647	0.39	0.49	0.00	1.00
H4GPCARE	6418	0.37	0.48	0.00	1.00
H5GPCARE	5568	0.37	0.48	0.00	1.00
H6GPCARE	4315	0.34	0.47	0.00	1.00
H7GPCARE	5864	0.33	0.47	0.00	1.00
H8GPCARE	4752	0.36	0.48	0.00	1.00

H9GPCARE	3981	0.37	0.48	0.00	1.00
H10GPCARE	7465	0.36	0.48	0.00	1.00
H11GPCARE	6307	0.35	0.48	0.00	1.00
H12GPCARE	5122	0.38	0.48	0.00	1.00
H13GPCARE	7540	0.37	0.48	0.00	1.00
H14GPCARE	5491	0.35	0.48	0.00	1.00
H15GPCARE	4682	0.36	0.48	0.00	1.00
H1GAPCARE	4894	0.09	0.28	0.00	1.00
H2GAPCARE	4845	0.12	0.33	0.00	1.00
H3GAPCARE	6636	0.15	0.35	0.00	1.00
H4GAPCARE	6413	0.14	0.34	0.00	1.00
H5GAPCARE	5561	0.14	0.35	0.00	1.00
H6GAPCARE	4310	0.13	0.34	0.00	1.00
H7GAPCARE	5861	0.11	0.32	0.00	1.00
H8GAPCARE	4752	0.12	0.32	0.00	1.00
H9GAPCARE	3979	0.13	0.34	0.00	1.00
H10GAPCARE	7461	0.12	0.32	0.00	1.00
H11GAPCARE	6301	0.12	0.33	0.00	1.00
H12GAPCARE	5115	0.13	0.34	0.00	1.00
H13GAPCARE	7526	0.13	0.34	0.00	1.00
H14GAPCARE	5483	0.13	0.34	0.00	1.00
H15GAPCARE	4667	0.14	0.35	0.00	1.00
H2GPCHORE	4590	0.33	0.47	0.00	1.00
H3GPCHORE	6636	0.35	0.48	0.00	1.00
H4GPCHORE	6413	0.35	0.48	0.00	1.00
H5GPCHORE	5558	0.34	0.47	0.00	1.00
H6GPCHORE	4302	0.30	0.46	0.00	1.00
H7GPCHORE	5854	0.31	0.46	0.00	1.00
H8GPCHORE	4741	0.33	0.47	0.00	1.00
H9GPCHORE	3968	0.34	0.47	0.00	1.00
H10GPCHORE	7457	0.33	0.47	0.00	1.00
H11GPCHORE	6292	0.33	0.47	0.00	1.00
H12GPCHORE	5111	0.35	0.48	0.00	1.00
H13GPCHORE	7523	0.34	0.47	0.00	1.00
H14GPCHORE	5479	0.33	0.47	0.00	1.00
H15GPCHORE	4665	0.34	0.47	0.00	1.00

### Categorical Variable Codes

Value-----	H2GPCARE	H3GPCARE	H4GPCARE	H5GPCARE
.d:DK	6	10	33	19
.f:no family respondent	269	30	665	793
.h:no living parents	12847	10895	14254	13179
.i:no parent info	1802			
.m:Missing	71	228	9	17
.q:not asked in this wave		177		
.r:Refuse	2	4	5	2
0.no	3131	4042	4021	3482
1.yes	1689	2605	2397	2086

Value-----	H6GPCARE	H7GPCARE	H8GPCARE	H9GPCARE	H10GPCARE
.d:DK	26	50	36	34	79
.h:no living parents	13557	13960	13448	12976	14154
.m:Missing	259	252	231	224	331
.r:Refuse	8	3	2	2	5
0.no	2843	3907	3030	2515	4784
1.yes	1472	1957	1722	1466	2681

Value-----	H11GPCARE	H12GPCARE	H13GPCARE	H14GPCARE	H15GPCARE
.d:DK	49	39	62	44	42
.h:no living parents	13989	13332	13123	11454	10857
.m:Missing	205	251	178	145	136
.r:Refuse	4	3	9	12	6
0.no	4095	3199	4761	3553	2975

1.yes	2212	1923	2779	1938	1707
Value-----	H1GAPCARE	H2GAPCARE	H3GAPCARE	H4GAPCARE	H5GAPCARE
.d:DK	57	6	13	35	22
.f:no family respondent		269	30	665	793
.h:no living parents	5236	12848	10900	14257	13183
.i:no parent info		1802			
.m:Missing	18	43	228	9	17
.q:not asked in this wave			177		
.r:Refuse		4	7	5	2
.s:skipped	2447				
0.no	4461	4260	5663	5544	4771
1.yes	433	585	973	869	790
Value-----	H6GAPCARE	H7GAPCARE	H8GAPCARE	H9GAPCARE	H10GAPCARE
.d:DK	30	52	36	35	81
.h:no living parents	13558	13961	13448	12977	14155
.m:Missing	259	252	231	224	331
.r:Refuse	8	3	2	2	6
0.no	3753	5193	4186	3463	6568
1.yes	557	668	566	516	893
Value-----	H11GAPCARE	H12GAPCARE	H13GAPCARE	H14GAPCARE	H15GAPCARE
.d:DK	53	43	71	47	51
.h:no living parents	13990	13335	13126	11459	10861
.m:Missing	205	251	178	145	136
.r:Refuse	5	3	11	12	8
0.no	5537	4440	6525	4749	4013
1.yes	764	675	1001	734	654
Value-----		H2GPCHORE	H3GPCHORE	H4GPCHORE	H5GPCHORE
.d:DK		7	13	35	26
.f:no family respondent		269	30	665	794
.h:no living parents		12848	10902	14257	13181
.i:no parent info		1802			
.m:Missing		13	228	9	17
.q:not asked in this wave		286	177		
.r:Refuse		2	5	5	2
0.no		3091	4304	4194	3693
1.yes		1499	2332	2219	1865
Value-----	H6GPCHORE	H7GPCHORE	H8GPCHORE	H9GPCHORE	H10GPCHORE
.d:DK	35	59	46	43	86
.h:no living parents	13558	13960	13449	12979	14154
.m:Missing	259	253	231	224	331
.r:Refuse	11	3	2	3	6
0.no	2998	4046	3162	2633	4962
1.yes	1304	1808	1579	1335	2495
Value-----	H11GPCHORE	H12GPCHORE	H13GPCHORE	H14GPCHORE	H15GPCHORE
.d:DK	60	45	71	52	50
.h:no living parents	13993	13333	13129	11457	10863
.m:Missing	205	251	178	145	136
.r:Refuse	4	7	11	13	9
0.no	4241	3327	4937	3688	3081
1.yes	2051	1784	2586	1791	1584

### How Constructed:

HwGPCARE indicates whether the respondent and/or their spouse spent 100 or more hours providing personal care or help with chores to their parents. Family respondents are asked two separate questions regarding care given to parents, the first is whether the respondent and their spouse have spent 100 or more hours helping their parents with basic personal needs like dressing, eating, and bathing, the second is whether the respondent and their spouse have spent 100 or more hours helping with other things such as household chores, errands, transportation, etc. HwGAPCARE indicates whether the respondent and/or their spouse spent 100 or more hours providing personal care to their parents. HwGPCHORE indicates whether the respondent and/or their spouse spent 100 or more hours helping their parents with household chores or other errands.

In Wave 1, the family respondent is only asked about personal care given to parents, separately for the respondent's parent's and their spouse's parents, for a total of 100 or more hours in the past 12 months, as a result HwGPCARE and HwGPCHORE are not available in Wave 1. In the AHEAD cohort in Wave 2, the family

respondent is asked only about personal care given to parents, separately for their mother and their father, for a total of 100 hours in the past 12 months. In the HRS cohort in Wave 2, the family respondent is asked about personal care given to parents and help with chores given to parents, separately for the respondent's parents and their spouse's parents, for a total of 50 or more hours in the past 12 months. In the HRS cohort in Wave 3, the family respondent is asked about personal care given to parents and help with chores given to parents, separately for the respondent's parents and for their spouse's parents, for a total of 100 hours in the past 2 years or since the previous interview. Starting in Wave 4, the family respondent is asked about personal care given to parents and help with chores given to parents, combining the respondent's and their spouse's parents, for a total of 100 or more hours in the past 2 years or since the previous interview.

HwGPCARE is assigned a 0 if the family respondent reported not spending 100 or more hours providing personal care or help with chores to parents, and is assigned a 1 if the family respondent reported spending 100 or more hours providing personal care or help with chores to parents. HwGAPCARE is assigned a 0 if the family respondent reported not spending 100 or more hours providing personal care, and is assigned a 1 if the family respondent reported spending 100 or more hours providing personal care to parents. HwGPCHORE is assigned a 0 if the family respondent reported not spending 100 or more hours providing help with chores to parents, and is assigned a 1 if the family respondent reported spending 100 or more hours providing help with chores to parents. In Wave 1 and the AHEAD and HRS cohorts in Wave 2, HwGPCARE, HwGAPCARE, and HwGPCHORE are assigned a 0 if the respondent and their spouse did not provide the amount of care to parents asked about in the particular wave (100 hours in the past twelve months for Wave 1 and the AHEAD cohort in Wave 2, and 50 hours in the past twelve months for the HRS cohort in Wave 2), and is assigned a 1 if the respondent and their spouse did provide the amount of care to parents asked about in the particular wave through personal care and/or help with chores. HwGPCARE, HwGAPCARE, and HwGPCHORE are assigned special missing .h if the respondent has no living parents. In Wave 1, HwGAPCARE is assigned special missing .s if these questions were skipped because the respondent was not designated as a respondent for that section. In the HRS cohort in Wave 2, HwGPCARE, HwGAPCARE, and HwGPCHORE are assigned special missing .i if the questions were skipped because there was no information on the parents. In Waves 2 through 4, HwGPCARE, HwGAPCARE, and HwGPCHORE are assigned special missing .f if these questions were skipped because there was no family respondent. Questions about helping parents with chores are not asked in the AHEAD cohort in Wave 2, so HwGPCHORE is assigned special missing .q in this wave. These questions are not asked in the AHEAD cohort in Wave 3, and so HwGPCARE, HwGAPCARE, and HwGPCHORE are assigned special missing .q in this wave. Don't know, refused, or other missing responses of HwGPCARE, HwGAPCARE, and HwGPCHORE are assigned special missing codes .d, .r, .m, respectively. HwGPCARE, HwGAPCARE, and HwGPCHORE are set to plain missing (.) for respondents who did not respond to the current wave.

## Cross Wave Differences in HRS

Questions about caring for parents are not asked in the AHEAD cohort in Wave 3.

In Wave 1, the family respondent is only asked about personal care given to parents, separately for the respondent's parent's and their spouse's parents, for a total of 100 or more hours in the past 12 months. In the AHEAD cohort in Wave 2, the family respondent is asked only about personal care given to parents, separately for their mother and their father, for a total of 100 hours in the past 12 months. In the HRS cohort in Wave 2, the family respondent is asked about personal care given to parents and help with chores given to parents, separately for the respondent's parents and their spouse's parents, for a total of 50 or more hours in the past 12 months. In the HRS cohort in Wave 3, the family respondent is asked about personal care given to parents and help with chores given to parents, separately for the respondent's parents and for their spouse's parents, for a total of 100 hours in the past 2 years or since the previous interview. Starting in Wave 4, the family respondent is asked about personal care given to parents and help with chores given to parents, combining the respondent's and their spouse's parents, for a total of 100 or more hours in the past 2 years or since the previous interview.

Only in Wave 1, questions about caring for grandchildren or providing personal care to parents were skipped if the respondent was not designated as a respondent for that section. Only in the HRS cohort in Wave 2, questions about providing personal care or help with chores to parents were skipped if there was no information on the parents. In Waves 2 through 4, these questions were skipped if there was no family respondent.

## HRS Variables Used:

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RAND HRS:
R10DADLIV      r10dadliv:w10 father alive
R10MOMLIV      r10momliv:w10 mother alive
R11DADLIV      r11dadliv:w11 father alive
R11MOMLIV      r11momliv:w11 mother alive
R12DADLIV      r12dadliv:w12 father alive
R12MOMLIV      r12momliv:w12 mother alive
R13DADLIV      r13dadliv:w13 father alive
R13MOMLIV      r13momliv:w13 mother alive
R14DADLIV      r14dadliv:w14 father alive
R14MOMLIV      r14momliv:w14 mother alive
R15DADLIV      r15dadliv:w15 father alive
R15MOMLIV      r15momliv:w15 mother alive
R1DADLIV       r1dadliv:w1  father alive
R1MOMLIV       r1momliv:w1  mother alive
R2DADLIV       r2dadliv:w2  father alive
R2MOMLIV       r2momliv:w2  mother alive
R3DADLIV       r3dadliv:w3  father alive
R3MOMLIV       r3momliv:w3  mother alive
R4DADLIV       r4dadliv:w4  father alive
R4MOMLIV       r4momliv:w4  mother alive
R5DADLIV       r5dadliv:w5  father alive
R5MOMLIV       r5momliv:w5  mother alive
R6DADLIV       r6dadliv:w6  father alive
R6MOMLIV       r6momliv:w6  mother alive
R7DADLIV       r7dadliv:w7  father alive
R7MOMLIV       r7momliv:w7  mother alive
R8DADLIV       r8dadliv:w8  father alive
R8MOMLIV       r8momliv:w8  mother alive
R9DADLIV       r9dadliv:w9  father alive
R9MOMLIV       r9momliv:w9  mother alive

Wave 1:
V2011          e83:100+ hrs parent :imp
V2511          126:100+hr aid h/p p:imp

Wave 2 AHEAD:
BN_INHH        ahd w1: # r's responding in hhold

Wave 2 HRS:
FAMFLAG        family respondent problem flag
PARFLAG        in w2pars file?
W918           e81. help pars w/personal
W920           e83. help parents w/hh chores
W925           e181. help p-i-l w/personal
W927           e183. help p-i-l w/ hh chores

Wave 3 AHEAD:
DN_INHH        dn_inhh: # r's responding in hhold

Wave 3 HRS:
E1683_1        d147.help parents
E1683_2        d147.help parents-in-law
E1703_1        d149.help parents
E1703_2        d149.help parents-in-law

Wave 4:
F1906          d90.mother living
F1916          d93.father living
F2027          d147.help parents
F2045          d149.help parents
F207           prev wave mother living
F208           prev wave father living
FANYFAMR       fanyfamr: any famresp in hhold

Wave 5:
G207           pr207.prev wave mother living
G208           pr208.prev wave father living
G2122         d90.mother living
G2132         d93.father living

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G2263	d147.help parents
G2281	d149.help parents
GANYFAMR	ganyfamr: any famresp in hhold
Wave 6:	
HF119	r help parents w/personal needs
HF139	r help parents w/errands
HZ114	prev wave number of grandchildren
Wave 7:	
JF119	r help parents w/personal needs
JF139	r help parents w/errands
Wave 8:	
KF119	r help parents w/personal needs
KF139	r help parents w/errands
Wave 9:	
LF119	r help parents w/personal needs
LF139	r help parents w/errands
Wave 10:	
MF119	r help parents w/personal needs
MF139	r help parents w/errands
Wave 11:	
NF119	r help parents w/personal needs
NF139	r help parents w/errands
Wave 12:	
OF119	r help parents w/personal needs
OF139	r help parents w/errands
Wave 13:	
PF119	r help parents w/personal needs
PF139	r help parents w/errands
Wave 14:	
QF119	r help parents w/personal needs
QF139	r help parents w/errands
Wave 15:	
RF119	r help parents w/personal needs
RF139	r help parents w/errands

**Providing Care: Looking After Grandchildren**

Wave	Variable	Label	Type
01	H1GKSIT	h1gksit:w1 looked after grandchildren 100+ hrs	Categ
02	H2GKSIT	h2gksit:w2 looked after grandchildren 100+ hrs	Categ
03	H3GKSIT	h3gksit:w3 looked after grandchildren 100+ hrs	Categ
04	H4GKSIT	h4gksit:w4 looked after grandchildren 100+ hrs	Categ
05	H5GKSIT	h5gksit:w5 looked after grandchildren 100+ hrs	Categ
06	H6GKSIT	h6gksit:w6 looked after grandchildren 100+ hrs	Categ
07	H7GKSIT	h7gksit:w7 looked after grandchildren 100+ hrs	Categ
08	H8GKSIT	h8gksit:w8 looked after grandchildren 100+ hrs	Categ
09	H9GKSIT	h9gksit:w9 looked after grandchildren 100+ hrs	Categ
10	H10GKSIT	h10gksit:w10 looked after grandchildren 100+ hrs	Categ
11	H11GKSIT	h11gksit:w11 looked after grandchildren 100+ hrs	Categ
12	H12GKSIT	h12gksit:w12 looked after grandchildren 100+ hrs	Categ
13	H13GKSIT	h13gksit:w13 looked after grandchildren 100+ hrs	Categ
14	H14GKSIT	h14gksit:w14 looked after grandchildren 100+ hrs	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
H1GKSIT	5341	0.42	0.49	0.00	1.00
H2GKSIT	5178	0.38	0.48	0.00	1.00
H3GKSIT	14536	0.31	0.46	0.00	1.00
H4GKSIT	16654	0.35	0.48	0.00	1.00
H5GKSIT	15447	0.34	0.47	0.00	1.00
H6GKSIT	14267	0.32	0.47	0.00	1.00
H7GKSIT	15174	0.33	0.47	0.00	1.00
H8GKSIT	14431	0.32	0.47	0.00	1.00
H9GKSIT	13597	0.29	0.45	0.00	1.00
H10GKSIT	16127	0.31	0.46	0.00	1.00
H11GKSIT	15427	0.29	0.45	0.00	1.00
H12GKSIT	14262	0.29	0.45	0.00	1.00
H13GKSIT	14801	0.30	0.46	0.00	1.00
H14GKSIT	12251	0.29	0.45	0.00	1.00

**Categorical Variable Codes**

Value-----	H1GKSIT	H2GKSIT	H3GKSIT	H4GKSIT	H5GKSIT
.d:DK		42	65	153	209
.g:no grandchildren	1614	6361	3269	4340	3757
.l:all children live with r	591				
.m:Missing	1	6	101	220	126
.o:other		2			
.q:not asked in this wave		8222			
.r:Refuse		6	20	17	39
.s:skipped	5105				
0.no	3073	3223	10065	10791	10246
1.yes	2268	1955	4471	5863	5201

Value-----	H6GKSIT	H7GKSIT	H8GKSIT	H9GKSIT	H10GKSIT
.d:DK	127	140	182	159	189
.g:no grandchildren	2448	3243	3749	3363	5278
.l:all children live with r	1168	1427			
.m:Missing	110	122	97	87	416
.r:Refuse	45	23	10	11	24
0.no	9730	10180	9810	9629	11169
1.yes	4537	4994	4621	3968	4958

Value-----	H11GKSIT	H12GKSIT	H13GKSIT	H14GKSIT
.c:not in contact with chil				89
.d:DK	168	133	153	140

.f:no family respondent					422
.g:no grandchildren		4748	4138	5435	3847
.m:Missing		182	182	487	364
.r:Refuse		29	32	36	33
0.no		10919	10194	10367	8758
1.yes		4508	4068	4434	3493

## How Constructed:

HwGKSIT indicates whether the respondent and/or their spouse spent 100 or more hours caring for their grandchildren or great-grandchildren. In Waves 1 and 2, the time period is the past 12 months and the question is asked only about grandchildren, and starting in the AHEAD and HRS cohorts in Wave 3, the time period is since the previous interview or in the last 2 years and the question is asked about grandchildren or great-grandchildren. In Wave 1, the family respondent is asked whether the respondent and their spouse spent 100 or more hours in total taking care of grandchildren in the past 12 months. In the HRS cohort in Wave 2, the family respondent is asked whether the respondent and their spouse provided 50 or more hours of care for grandchildren, and if so, the amount of time the respondent and their spouse spent separately caring for grandchildren. If the respondent doesn't know the exact hours or refuses to provide it, then they are asked whether the total for each person amounted to 100 hours or more. In the AHEAD cohort in Wave 3, the family respondent is asked about providing care for grandchildren or great-grandchildren separately for the respondent and their spouse. Starting in the HRS cohort in Wave 3, the family respondent is directly asked whether they or their spouse/partner spent 100 or more hours in total taking care of grandchildren or great-grandchildren since the previous interview or in the last two years.

HwGKSIT is assigned a 0 if the family respondent reported not spending 100 or more hours caring for grandchildren or great-grandchildren, and is assigned a 1 if the family respondent reported spending 100 or more hours caring for grandchildren or great-grandchildren. In the HRS cohort in Wave 2, HwGKSIT is assigned a 0 if the respondent and spouse didn't spend 50 or more hours caring for grandchildren, if the total reported time spent amounted to less than 100 hours, or if the estimate for either person amounted to less than 100 hours, and HwGKSIT is assigned a 1 if the respondent and spouse spent a reported total of 100 or more hours caring for grandchildren, or if the estimate for either person amounted to 100 hours or more. In the AHEAD cohort in Wave 3, HwGKSIT is assigned a 0 if neither the respondent nor spouse spent 100 or more hours caring for grandchildren, and HwGKSIT is assigned a 1 if either the respondent or spouse spent 100 or more hours caring for grandchildren. HwGKSIT is assigned special missing .g if the family respondent is not asked this question because they report having no grandchildren or are assumed to have no grandchildren. In Wave 1, HwGKSIT is assigned special missing .s if the respondent was not designated as a respondent for that section and so the question was not asked. In Waves 1, 6, and 7, HwGKSIT is assigned special missing .l if all of the respondent's children lived with the respondent and the question was not asked. In the HRS cohort in Wave 2, HwGKSIT is assigned special missing .o if the time reported caring for grandchildren was reported in an amount other than hours. In Wave 14, HwGKSIT is assigned special missing .f if there was no family respondent and special missing .c if the respondent reports not being in contact with any children, and so this question was not asked. This question is not asked to the AHEAD cohort in Wave 2, in which case HwGKSIT is assigned special missing .q in Wave 2. Don't know, refused, or other missing responses of HwGKSIT are assigned special missing codes .d, .r, .m, respectively. HwGKSIT is set to plain missing (.) for respondents who did not respond to the current wave.

Please note that there is a variable in the RAND Family Longitudinal Respondent-Level file, HwKDCAREKN, which indicates the number of children the respondent has who use the respondent and their spouse for child care for grandchildren or great-grandchildren. We have presented the direct report of whether the respondent cared for grandchildren or great-grandchildren to be more consistent with how this information is collected in other HRS family surveys and harmonized in their respective datasets.

Due to missing information in the current version of the raw variables, we will not provide H15GKSIT until the final version of the HRS data for Wave 15 becomes available.

## Cross Wave Differences in HRS

Questions about caring for grandchildren are not asked in the AHEAD cohort in Wave 2.

In Waves 1 and 2, the question is asked about caring for grandchildren. Starting with the AHEAD and HRS cohorts in Wave 3, the question is asked about caring for grandchildren or great-grandchildren.



In Wave 1, the family respondent is asked whether the respondent and their spouse provided care for grandchildren amounting to a total of 100 hours or more in the last 12 months. In Wave 2, the family respondent is asked whether the respondent and their spouse provided care for grandchildren amount to a total of 50 hours or more in the last 12 months. If so, the family respondent is asked about how much time the respondent and spouse each spent taking care of grandchildren separately, and if the answer is refused or don't know, then is asked whether the total amounted to 100 hours or more. In the AHEAD cohort in Wave 3, the family respondent is asked whether the respondent and their spouse provided care for grandchildren to a total of 100 hours or more in the since the previous interview (approximately 2 years) separately for the family respondent and their spouse. Starting in the HRS cohort in Wave 3, the family respondent is asked whether the respondent and their spouse provided care for grandchildren amounting to a total of 100 hours or more since the previous interview (approximately 2 years).

Only in Wave 1, questions about caring for grandchildren or providing personal care to parents were skipped if the respondent was not designated as a respondent for that section. In Waves 1, 6, and 7, questions about caring for grandchildren are skipped if all of the respondent's children lived with the respondent. Only in Wave 2 can the family respondent report caring for grandchildren in an amount other than hours.

In Wave 14 and 15, questions related to grandchildren are not asked if there is no family respondent for the household or if the respondent is not in contact with any children. While this appears to be the same skip pattern present in earlier waves, there is a higher frequency of these occurrences in Wave 14 necessitating the use of special missing values.

### HRS Variables Used:

Wave 1:	
V1202	e19:children not at :imp
V1539	e41:# of grandchildr:imp
V1540	e42:100+hrs:grndkid :imp
V901	e1:ckpt:mal r w/fem h/p
V901	e1:ckpt:mal r w/fem h/p
Wave 2 AHEAD:	
BN_INHH	ahd w1: # r's responding in hhold
Wave 2 HRS:	
W904	e34. no of grandchildren
W905	e35. >50 hours caring for
W906	e35a. r-hours caring for
W907	e35aa. > 100 hours?
W908	e35b. s/p-hours caring for
W909	e35ba. >100 hours?
Wave 3 AHEAD:	
D1443	d40. # grandchildren idfm
D1455	d45. ckpoint any 'offspring' r/sp
D1590	d76. care of grandkids
D1593	d77.r 100hrs grandkid care
D1595	d77b.r sp 100hrs grandkid care
Wave 3 HRS:	
E1413	d40. # grandchildren idfm
E1544	d76. care of grandkids
Wave 4:	
F1819	d40. # grandchildren idfm
F1832	d76. care of grandkids
Wave 5:	
G2035	d40. # grandchildren idfm
G2048	d76. care of grandkids
Wave 6:	
HE046	# grandchildren total
HE060	care of grandkids- 100 or more hours
Wave 7:	
JE046	# grandchildren total
JE060	care of grandkids- 100 or more hours
Wave 8:	
KE046	# grandchildren total

KE060	care of grandkids- 100 or more hours
Wave 9:	
LE046	# grandchildren total
LE060	care of grandkids- 100 or more hours
Wave 10:	
ME046	# grandchildren total
ME060	care of grandkids- 100 or more hours
Wave 11:	
NE046	# grandchildren total
NE060	care of grandkids- 100 or more hours
Wave 12:	
OE046	# grandchildren total
OE060	care of grandkids- 100 or more hours
Wave 13:	
PE046	# grandchildren total
PE060	care of grandkids- 100 or more hours
Wave 14:	
QE046	# grandchildren total
QE060	care of grandkids- 100 or more hours
Wave 15:	
RE046	# grandchildren total
RE060	care of grandkids- 100 or more hours

<b>Care for Sick or Disabled Adult</b>
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Wave	Variable	Label	Type
09	R9GCARESCK	r9gcaresck:w9 r provides informal care to sick/disabled adul	Categ
10	R10GCARESCK	r10gcaresck:w10 r provides informal care to sick/disabled ad	Categ
11	R11GCARESCK	r11gcaresck:w11 r provides informal care to sick/disabled ad	Categ
12	R12GCARESCK	r12gcaresck:w12 r provides informal care to sick/disabled ad	Categ
13	R13GCARESCK	r13gcaresck:w13 r provides informal care to sick/disabled ad	Categ
14	R14GCARESCK	r14gcaresck:w14 r provides informal care to sick/disabled ad	Categ
15	R15GCARESCK	r15gcaresck:w15 r provides informal care to sick/disabled ad	Categ
09	S9GCARESCK	s9gcaresck:w9 s provides informal care to sick/disabled adul	Categ
10	S10GCARESCK	s10gcaresck:w10 s provides informal care to sick/disabled ad	Categ
11	S11GCARESCK	s11gcaresck:w11 s provides informal care to sick/disabled ad	Categ
12	S12GCARESCK	s12gcaresck:w12 s provides informal care to sick/disabled ad	Categ
13	S13GCARESCK	s13gcaresck:w13 s provides informal care to sick/disabled ad	Categ
14	S14GCARESCK	s14gcaresck:w14 s provides informal care to sick/disabled ad	Categ
15	S15GCARESCK	s15gcaresck:w15 s provides informal care to sick/disabled ad	Categ
09	R9GCARESCKD_H	r9gcaresckd_h:w9 frequency r cares for sick/disabled adult	Categ
10	R10GCARESCKD_H	r10gcaresckd_h:w10 frequency r cares for sick/disabled adult	Categ
11	R11GCARESCKD_H	r11gcaresckd_h:w11 frequency r cares for sick/disabled adult	Categ
12	R12GCARESCKD_H	r12gcaresckd_h:w12 frequency r cares for sick/disabled adult	Categ
13	R13GCARESCKD_H	r13gcaresckd_h:w13 frequency r cares for sick/disabled adult	Categ
14	R14GCARESCKD_H	r14gcaresckd_h:w14 frequency r cares for sick/disabled adult	Categ
15	R15GCARESCKD_H	r15gcaresckd_h:w15 frequency r cares for sick/disabled adult	Categ
09	S9GCARESCKD_H	s9gcaresckd_h:w9 frequency s cares for sick/disabled adult	Categ
10	S10GCARESCKD_H	s10gcaresckd_h:w10 frequency s cares for sick/disabled adult	Categ
11	S11GCARESCKD_H	s11gcaresckd_h:w11 frequency s cares for sick/disabled adult	Categ
12	S12GCARESCKD_H	s12gcaresckd_h:w12 frequency s cares for sick/disabled adult	Categ
13	S13GCARESCKD_H	s13gcaresckd_h:w13 frequency s cares for sick/disabled adult	Categ
14	S14GCARESCKD_H	s14gcaresckd_h:w14 frequency s cares for sick/disabled adult	Categ
15	S15GCARESCKD_H	s15gcaresckd_h:w15 frequency s cares for sick/disabled adult	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9GCARESCK	6639	0.20	0.40	0.00	1.00
R10GCARESCK	8119	0.18	0.39	0.00	1.00
R11GCARESCK	7247	0.19	0.40	0.00	1.00
R12GCARESCK	7414	0.19	0.40	0.00	1.00
R13GCARESCK	6243	0.21	0.40	0.00	1.00
R14GCARESCK	5611	0.19	0.39	0.00	1.00
R15GCARESCK	4574	0.18	0.39	0.00	1.00
S9GCARESCK	4236	0.21	0.41	0.00	1.00
S10GCARESCK	5222	0.20	0.40	0.00	1.00
S11GCARESCK	4540	0.21	0.41	0.00	1.00
S12GCARESCK	4566	0.21	0.41	0.00	1.00
S13GCARESCK	3714	0.22	0.41	0.00	1.00
S14GCARESCK	3331	0.21	0.41	0.00	1.00
S15GCARESCK	2614	0.21	0.40	0.00	1.00
R9GCARESCKD_H	6639	5.32	1.53	1.00	6.00
R10GCARESCKD_H	8119	5.35	1.51	1.00	6.00
R11GCARESCKD_H	7247	5.34	1.51	1.00	6.00
R12GCARESCKD_H	7414	5.34	1.52	1.00	6.00
R13GCARESCKD_H	6243	5.28	1.58	1.00	6.00

R14GCARESKD_H	5611	5.31	1.55	1.00	6.00
R15GCARESKD_H	4574	5.32	1.58	1.00	6.00
S9GCARESKD_H	4236	5.26	1.60	1.00	6.00
S10GCARESKD_H	5222	5.30	1.57	1.00	6.00
S11GCARESKD_H	4540	5.29	1.55	1.00	6.00
S12GCARESKD_H	4566	5.26	1.60	1.00	6.00
S13GCARESKD_H	3714	5.23	1.63	1.00	6.00
S14GCARESKD_H	3331	5.24	1.63	1.00	6.00
S15GCARESKD_H	2614	5.22	1.68	1.00	6.00

## Categorical Variable Codes

Value-----		R9GCARESK	R10GCARESK
.1:no leave behind		10144	13702
.m:Missing		434	213
0.no		5315	6623
1.yes		1324	1496

Value-----	R11GCARESK	R12GCARESK	R13GCARESK	R14GCARESK	R15GCARESK
.1:no leave behind	13142	11206	14543	11407	11053
.m:Missing	165	127	126	128	96
0.no	5836	5980	4956	4536	3730
1.yes	1411	1434	1287	1075	844

Value-----		S9GCARESK	S10GCARESK
.1:no leave behind		6211	8174
.m:Missing		193	112
.u:not coupled		6212	7804
.v:SP NR		365	722
0.no		3329	4202
1.yes		907	1020

Value-----	S11GCARESK	S12GCARESK	S13GCARESK	S14GCARESK	S15GCARESK
.1:no leave behind	7840	6377	7998	5960	5798
.m:Missing	96	69	66	67	54
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	3599	3591	2899	2634	2077
1.yes	941	975	815	697	537

Value-----		R9GCARESKD_H	R10GCARESKD_H
.1:no leave behind		10144	13702
.m:Missing		434	213
1.daily		486	598
2.several times a week		282	292
3.once a week		125	144
4.several times a month		154	196
5.at least once a month		277	266
6.not in the last month/nev		5315	6623

Value-----	R11GCARESKD_H	R12GCARESKD_H	R13GCARESKD_H	R14GCARESKD_H	R15GCARESKD_H
.1:no leave behind	13142	11206	14543	11407	11053
.m:Missing	165	127	126	128	96
1.daily	530	556	506	430	402
2.several times a week	248	262	249	234	147
3.once a week	152	144	126	114	72
4.several times a month	219	197	189	131	93
5.at least once a month	262	275	217	166	130
6.not in the last month/nev	5836	5980	4956	4536	3730

Value-----		S9GCARESKD_H	S10GCARESKD_H
.1:no leave behind		6211	8174
.m:Missing		193	112
.u:not coupled		6212	7804
.v:SP NR		365	722
1.daily		355	427
2.several times a week		189	205
3.once a week		77	95
4.several times a month		107	126
5.at least once a month		179	167
6.not in the last month/nev		3329	4202

Value-----	S11GCARESCDK_H	S12GCARESCDK_H	S13GCARESCDK_H	S14GCARESCDK_H	S15GCARESCDK_H
.1:no leave behind	7840	6377	7998	5960	5798
.m:Missing	96	69	66	67	54
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.daily	357	395	331	301	275
2.several times a week	165	170	152	137	87
3.once a week	107	91	80	68	44
4.several times a month	135	129	116	73	55
5.at least once a month	177	190	136	118	76
6.not in the last month/nev	3599	3591	2899	2634	2077

### How Constructed:

RwGCARESCK indicates whether the respondent reported caring for a sick or disabled adult. RwGCARESCK is coded as 1 if the respondent reports caring for a sick or disabled adult at least once a month. RwGCARESCK is coded as 0 if the respondent reports not caring for a sick or disabled adult at all in the last month or if they never care for a sick or disabled adult starting in Wave 10. Special missing code .1 is employed if the respondent did not complete the leave behind questionnaire or was not eligible for the leave behind questionnaire in this wave. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RwGCARESCK is set to plain missing (.) for respondents who did not participate in the current wave.

RwGCARESCDK\_H indicates how often the respondent reported caring for a sick or disabled adult. RwGCARESCDK\_H is coded as follows: 1. daily, 2. several times a week, 3. once a week, 4. several times a month, 5. at least once a month, and 6. not in the last month/never. In Wave 9, the least frequent response available is "not in the last month". Starting in Wave 10, an additional response of "never/not relevant" is available, and these responses are assigned a value of 6. Special missing code .1 is employed if the respondent did not complete the leave behind questionnaire or was not eligible for the leave behind questionnaire in this wave. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. RwGCARESCDK\_H is set to plain missing (.) for respondents who did not participate in the current wave.

SwGCARESCK and SwGCARESCDK\_H indicate whether and how often the respondent's current wave's spouse cares for a sick or disabled adult, and are taken from RwGCARESCK and RwGCARESCDK\_H. In addition to the special missing codes employed by RwGCARESCK and RwGCARESCDK\_H, SwGCARESCK and SwGCARESCDK\_H employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

Respondents are asked how often they care for a sick or disabled adult in the leave behind questionnaire starting in Wave 9.

In Wave 9, this question has 6 answer categories: 1.daily, 2.several times a week, 3.once a week, 4.several times a month, 5.at least once a month, and 6.not in the last month. Starting in Wave 10, a seventh answer category is added: 7.never/not relevant.

### HRS Variables Used:

Wave 9:	
LLB001A	qla. often care adult
LLBCOMP	mode completed leave behind qnaire
LLBELIG	2008 leave behind eligibility
Wave 10:	
MLB001A	q01a. often care adult
MLBCOMP	mode completed leave behind qnaire
MLBELIG	2010 leave behind eligibility
Wave 11:	
NLB001A	q01a. often care adult
NLBCOMP	mode completed leave behind qnaire
NLBELIG	2012 leave behind eligibility

Wave 12:  
OLB001A q01a. often care adult  
OLBCOMP mode completed leave behind qnaire  
OLBELIG 2014 leave behind eligibility

Wave 13:  
PLB001A q01a. often care adult  
PLBCOMP mode completed leave behind qnaire  
PLBELIG 2016 leave behind eligibility

Wave 14:  
QLB001A q01a. care adult  
QLBCOMP mode completed leave behind qnaire  
QLBELIG 2018 leave behind eligibility

Wave 15:  
RLB001A q01a. care adult  
RLBCOMP mode completed leave behind qnaire  
RLBELIG 2020 leave behind eligibility

<b>Activities of Daily Living: Whether Receives Any Care</b>
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Wave	Variable	Label	Type
02	R2RACANY	r2racany:w2 r receives any care for adls	Categ
03	R3RACANY	r3racany:w3 r receives any care for adls	Categ
04	R4RACANY	r4racany:w4 r receives any care for adls	Categ
05	R5RACANY	r5racany:w5 r receives any care for adls	Categ
06	R6RACANY	r6racany:w6 r receives any care for adls	Categ
07	R7RACANY	r7racany:w7 r receives any care for adls	Categ
08	R8RACANY	r8racany:w8 r receives any care for adls	Categ
09	R9RACANY	r9racany:w9 r receives any care for adls	Categ
10	R10RACANY	r10racany:w10 r receives any care for adls	Categ
11	R11RACANY	r11racany:w11 r receives any care for adls	Categ
12	R12RACANY	r12racany:w12 r receives any care for adls	Categ
13	R13RACANY	r13racany:w13 r receives any care for adls	Categ
14	R14RACANY	r14racany:w14 r receives any care for adls	Categ
15	R15RACANY	r15racany:w15 r receives any care for adls	Categ
02	S2RACANY	s2racany:w2 s receives any care for adls	Categ
03	S3RACANY	s3racany:w3 s receives any care for adls	Categ
04	S4RACANY	s4racany:w4 s receives any care for adls	Categ
05	S5RACANY	s5racany:w5 s receives any care for adls	Categ
06	S6RACANY	s6racany:w6 s receives any care for adls	Categ
07	S7RACANY	s7racany:w7 s receives any care for adls	Categ
08	S8RACANY	s8racany:w8 s receives any care for adls	Categ
09	S9RACANY	s9racany:w9 s receives any care for adls	Categ
10	S10RACANY	s10racany:w10 s receives any care for adls	Categ
11	S11RACANY	s11racany:w11 s receives any care for adls	Categ
12	S12RACANY	s12racany:w12 s receives any care for adls	Categ
13	S13RACANY	s13racany:w13 s receives any care for adls	Categ
14	S14RACANY	s14racany:w14 s receives any care for adls	Categ
15	S15RACANY	s15racany:w15 s receives any care for adls	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RACANY	1533	0.43	0.50	0.00	1.00
R3RACANY	3249	0.45	0.50	0.00	1.00
R4RACANY	3815	0.45	0.50	0.00	1.00
R5RACANY	3630	0.46	0.50	0.00	1.00
R6RACANY	3443	0.48	0.50	0.00	1.00
R7RACANY	3563	0.48	0.50	0.00	1.00
R8RACANY	3631	0.46	0.50	0.00	1.00
R9RACANY	3355	0.47	0.50	0.00	1.00
R10RACANY	4266	0.50	0.50	0.00	1.00
R11RACANY	3975	0.51	0.50	0.00	1.00
R12RACANY	3856	0.51	0.50	0.00	1.00
R13RACANY	4019	0.51	0.50	0.00	1.00
R14RACANY	3282	0.48	0.50	0.00	1.00
R15RACANY	3278	0.39	0.49	0.00	1.00
S2RACANY	621	0.45	0.50	0.00	1.00
S3RACANY	1616	0.45	0.50	0.00	1.00
S4RACANY	1885	0.45	0.50	0.00	1.00
S5RACANY	1791	0.44	0.50	0.00	1.00
S6RACANY	1598	0.48	0.50	0.00	1.00
S7RACANY	1661	0.48	0.50	0.00	1.00
S8RACANY	1728	0.47	0.50	0.00	1.00
S9RACANY	1497	0.46	0.50	0.00	1.00

S10RACANY	1986	0.52	0.50	0.00	1.00
S11RACANY	1831	0.51	0.50	0.00	1.00
S12RACANY	1705	0.52	0.50	0.00	1.00
S13RACANY	1712	0.52	0.50	0.00	1.00
S14RACANY	1350	0.52	0.50	0.00	1.00
S15RACANY	1446	0.38	0.49	0.00	1.00

### Categorical Variable Codes

Value-----	R2RACANY	R3RACANY	R4RACANY	R5RACANY
.m:Missing	252	127	28	1
.q:not asked this wave	11595			
.x:no difficulties	6437	14615	17541	15947
0.no	870	1776	2090	1976
1.yes	663	1473	1725	1654

Value-----	R6RACANY	R7RACANY	R8RACANY	R9RACANY	R10RACANY
.m:Missing	7	10	8	2	2
.x:no difficulties	14715	16556	14830	13860	17766
0.no	1804	1840	1972	1777	2115
1.yes	1639	1723	1659	1578	2151

Value-----	R11RACANY	R12RACANY	R13RACANY	R14RACANY	R15RACANY
.m:Missing	1	1			1
.x:no difficulties	16578	14890	16893	13864	12444
0.no	1931	1882	1966	1699	1996
1.yes	2044	1974	2053	1583	1282

Value-----	S2RACANY	S3RACANY	S4RACANY	S5RACANY
.m:Missing	124	58	7	
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3605	10242	12086	10939
0.no	340	884	1034	999
1.yes	281	732	851	792

Value-----	S6RACANY	S7RACANY	S8RACANY	S9RACANY	S10RACANY
.m:Missing	3	1	1	2	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10031	11306	9999	9141	11522
0.no	838	861	924	803	961
1.yes	760	800	804	694	1025

Value-----	S11RACANY	S12RACANY	S13RACANY	S14RACANY	S15RACANY
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10645	9307	10066	8008	7020
0.no	900	815	816	648	894
1.yes	931	890	896	702	552

### How Constructed:

RwRACANY indicates whether the respondent receives any care for difficulties with activities of daily living (ADL). If the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. RwRACANY is assigned a value of 0 if the respondent has difficulty with at least one ADL but receives no help with the activity. RwRACANY is assigned a value of 1 if the respondent has difficulty with at least one ADL and someone helps with at least one of the activities. RwRACANY is assigned special missing .x if the respondent has no difficulty with any ADLs. These questions are not asked to HRS Wave 2 respondents, and so are assigned special missing .q in Wave 2. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRACANY is assigned a blank missing (.) if the respondent did not participate in the current wave. The information used to derive this variable is taken from the respondent-level HRS helper files.

SwRACANY indicates whether the respondent's current wave's spouse receives any care for difficulties with ADLs, and its values are taken from RwRACANY. In addition to the special missing codes employed by



RwRACANY, SwRACANY employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about receiving help for difficulties with ADLs are not asked at all in Wave 1 and for the HRS cohort in Wave 2.

Questions about help with ADL activities are asked differently in the AHEAD cohort in Wave 2 than in other waves. In this cohort, if the respondent reports receiving help with an ADL, then they are asked how frequently they receive help with that activity, and then asked whether they have difficulty with the activity. In Waves 3 and onward, the respondent is first asked whether they have difficulty with an ADL, and if so, they are asked whether someone helps them with that activity. The coding for the AHEAD cohort in Wave 2 has been adjusted to make the measures as comparable as possible to other waves.

## HRS Variables Used:

### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed
R12DRESSA	r12dressa:w12 r any diff-dressing
R12EATA	r12eata:w12 r any diff-eating
R12TOILTA	r12toilta:w12 r any diff-using the toilet
R12WALKRA	r12walkra:w12 r any diff-walk across room
R13BATHA	r13batha:w13 r any diff-bathing, shower
R13BEDA	r13beda:w13 r any diff-get in/out bed
R13DRESSA	r13dressa:w13 r any diff-dressing
R13EATA	r13eata:w13 r any diff-eating
R13TOILTA	r13toilta:w13 r any diff-using the toilet
R13WALKRA	r13walkra:w13 r any diff-walk across room
R14BATHA	r14batha:w14 r any diff-bathing, shower
R14BEDA	r14beda:w14 r any diff-get in/out bed
R14DRESSA	r14dressa:w14 r any diff-dressing
R14EATA	r14eata:w14 r any diff-eating
R14TOILTA	r14toilta:w14 r any diff-using the toilet
R14WALKRA	r14walkra:w14 r any diff-walk across room
R15BATHA	r15batha:w15 r any diff-bathing, shower
R15BEDA	r15beda:w15 r any diff-get in/out bed
R15DRESSA	r15dressa:w15 r any diff-dressing
R15EATA	r15eata:w15 r any diff-eating
R15TOILTA	r15toilta:w15 r any diff-using the toilet
R15WALKRA	r15walkra:w15 r any diff-walk across room
R3BATHA	r3batha:w3 r any diff-bathing, shower
R3BEDA	r3beda:w3 r any diff-get in/out bed
R3DRESSA	r3dressa:w3 r any diff-dressing
R3EATA	r3eata:w3 r any diff-eating
R3TOILTA	r3toilta:w3 r any diff-using the toilet
R3WALKRA	r3walkra:w3 r any diff-walk across room
R4BATHA	r4batha:w4 r any diff-bathing, shower

R4BEDA	r4beda:w4 r any diff-get in/out bed
R4DRESSA	r4dressa:w4 r any diff-dressing
R4EATA	r4eata:w4 r any diff-eating
R4TOILTA	r4toilta:w4 r any diff-using the toilet
R4WALKRA	r4walkra:w4 r any diff-walk across room
R5BATHA	r5batha:w5 r any diff-bathing, shower
R5BEDA	r5beda:w5 r any diff-get in/out bed
R5DRESSA	r5dressa:w5 r any diff-dressing
R5EATA	r5eata:w5 r any diff-eating
R5TOILTA	r5toilta:w5 r any diff-using the toilet
R5WALKRA	r5walkra:w5 r any diff-walk across room
R6BATHA	r6batha:w6 r any diff-bathing, shower
R6BEDA	r6beda:w6 r any diff-get in/out bed
R6DRESSA	r6dressa:w6 r any diff-dressing
R6EATA	r6eata:w6 r any diff-eating
R6TOILTA	r6toilta:w6 r any diff-using the toilet
R6WALKRA	r6walkra:w6 r any diff-walk across room
R7BATHA	r7batha:w7 r any diff-bathing, shower
R7BEDA	r7beda:w7 r any diff-get in/out bed
R7DRESSA	r7dressa:w7 r any diff-dressing
R7EATA	r7eata:w7 r any diff-eating
R7TOILTA	r7toilta:w7 r any diff-using the toilet
R7WALKRA	r7walkra:w7 r any diff-walk across room
R8BATHA	r8batha:w8 r any diff-bathing, shower
R8BEDA	r8beda:w8 r any diff-get in/out bed
R8DRESSA	r8dressa:w8 r any diff-dressing
R8EATA	r8eata:w8 r any diff-eating
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps

## Wave 2 HRS:

WN_INHH	hrs w2: # in hhold (r1/r2 only)
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## Wave 3 AHEAD:

D1870	adlck.ckpt for skipping adl series
D1877	e72f.adl walk help
D1887	e73f.adl dress help
D1897	e74f.adl bathe help
D1907	e75f.adl eat help
D1920	e76f.adl bed help

D1930	e77f.adl toilet help
D1961	e83.who help-11
D1975	e84.who help-2
D1984	e85.who help-3
D1988	e86.who help-4
D1992	e87.who help-5
D1996	e88.who help-6
D2000	e89.who help-7
Wave 3 HRS:	
E1894	adlck.ckpt for skipping adl series
E1901	e72f.adl walk help
E1911	e73f.adl dress help
E1921	e74f.adl bathe help
E1931	e75f.adl eat help
E1944	e76f.adl bed help
E1954	e77f.adl toilet help
E1976	e83.who help-11
E1990	e84.who help-2
E1999	e85.who help-3
E2003	e86.who help-4
E2007	e87.who help-5
E2011	e88.who help-6
E2015	e89.who help-7
Wave 4:	
F2426	e73f.adl dress help
F2431	e72.adl walk help
F2447	e74f.adl bathe help
F2457	e75f.adl eat help
F2470	e76f.adl bed help
F2480	e77f.adl toilet help
F2502	e83.who help-11
F2516	e84.who help-2
F2525	e85.who help-3
F2529	e86.who help-4
F2533	e87.who help-5
F2537	e88.who help-6
F2541	e89.who help-7
Wave 5:	
G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4
G2831	e87.who help-5
G2835	e88.who help-6
G2839	e89.who help-7
Wave 6:	
HG013	chkpnt: count of hg001 through hg012
HG015	help w/dress
HG020	adl walk help
HG022	adl bathe help
HG024	adl eat help
HG029	adl bed help
HG031	adl toilet help
HG032_1	who helps most- adl- 1
HG032_2	who helps- adl- 2
HG032_3	who helps- adl- 3
HG032_4	who helps- adl- 4

HG032\_5 who helps- adl- 5  
HG032\_6 who helps- adl- 6  
HG032\_7 who helps- adl- 7

Wave 7:

JG013 chkpnt: count of jg001 through jg012  
JG015 help w/dress  
JG020 adl walk help  
JG022 adl bathe help  
JG024 adl eat help  
JG029 adl bed help  
JG031 adl toilet help  
JG032\_1 who helps most- adl- 1  
JG032\_2 who helps- adl- 2  
JG032\_3 who helps- adl- 3  
JG032\_4 who helps- adl- 4  
JG032\_5 who helps- adl- 5  
JG032\_6 who helps- adl- 6  
JG032\_7 who helps- adl- 7

Wave 8:

KG013 chkpnt: count of jg001 through jg012  
KG015 help w/dress  
KG020 adl walk help  
KG022 adl bathe help  
KG024 adl eat help  
KG029 adl bed help  
KG031 adl toilet help  
KG032\_1 who helps most- adl- 1  
KG032\_2 who helps- adl- 2  
KG032\_3 who helps- adl- 3  
KG032\_4 who helps- adl- 4  
KG032\_5 who helps- adl- 5  
KG032\_6 who helps- adl- 6  
KG032\_7 who helps- adl- 7

Wave 9:

LG013 chkpnt: count of lg001 through lg012  
LG015 help w/dress  
LG020 adl walk help  
LG022 adl bathe help  
LG024 adl eat help  
LG029 adl bed help  
LG031 adl toilet help  
LG032\_1 who helps most- adl- 1  
LG032\_2 who helps- adl- 2  
LG032\_3 who helps- adl- 3  
LG032\_4 who helps- adl- 4  
LG032\_5 who helps- adl- 5  
LG032\_6 who helps- adl- 6  
LG032\_7 who helps- adl- 7

Wave 10:

MG013 chkpnt: count of mg001 through mg012  
MG015 help w/dress  
MG020 adl walk help  
MG022 adl bathe help  
MG024 adl eat help  
MG029 adl bed help  
MG031 adl toilet help  
MG032\_1 who helps most- adl- 1  
MG032\_2 who helps- adl- 2  
MG032\_3 who helps- adl- 3  
MG032\_4 who helps- adl- 4  
MG032\_5 who helps- adl- 5  
MG032\_6 who helps- adl- 6  
MG032\_7 who helps- adl- 7

Wave 11:

NG013	chkpnt: count of ng001 through ng012
NG015	help w/dress
NG020	adl walk help
NG022	adl bathe help
NG024	adl eat help
NG029	adl bed help
NG031	adl toilet help
NG032_1	who helps most- adl- 1
NG032_2	who helps- adl- 2
NG032_3	who helps- adl- 3
NG032_4	who helps- adl- 4
NG032_5	who helps- adl- 5
NG032_6	who helps- adl- 6
NG032_7	who helps- adl- 7

Wave 12:

OG013	chkpnt: count of g001 through g012
OG015	help w/dress
OG020	adl walk help
OG022	adl bathe help
OG024	adl eat help
OG029	adl bed help
OG031	adl toilet help
OG032_1	who helps most- adl- 1
OG032_2	who helps- adl- 2
OG032_3	who helps- adl- 3
OG032_4	who helps- adl- 4
OG032_5	who helps- adl- 5
OG032_6	who helps- adl- 6
OG032_7	who helps- adl- 7

Wave 13:

PG013	chkpnt: count of g001 through g012
PG015	help w/dress
PG020	adl walk help
PG022	adl bathe help
PG024	adl eat help
PG029	adl bed help
PG031	adl toilet help
PG032_1	who helps most- adl- 1
PG032_2	who helps- adl- 2
PG032_3	who helps- adl- 3
PG032_4	who helps- adl- 4
PG032_5	who helps- adl- 5
PG032_6	who helps- adl- 6
PG032_7	who helps- adl- 7

Wave 14:

QG013	chkpnt: count of g001 through g012
QG015	help w/dress
QG020	adl walk help
QG022	adl bathe help
QG024	adl eat help
QG029	adl bed help
QG031	adl toilet help
QG032_1	who helps most- adl- 1
QG032_2	who helps- adl- 2
QG032_3	who helps- adl- 3
QG032_4	who helps- adl- 4
QG032_5	who helps- adl- 5
QG032_6	who helps- adl- 6
QG032_7	who helps- adl- 7

Wave 15:

RG013	chkpnt: count of g001 through g012
RG015	help w/dress

RG020	adl walk help
RG022	adl bathe help
RG024	adl eat help
RG029	adl bed help
RG031	adl toilet help
RG032_1	who helps most- adl- 1
RG032_2	who helps- adl- 2
RG032_3	who helps- adl- 3
RG032_4	who helps- adl- 4
RG032_5	who helps- adl- 5
RG032_6	who helps- adl- 6
RG032_7	who helps- adl- 7

<b>Activities of Daily Living: Whether Receives Any Informal Care</b>
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Wave	Variable	Label	Type
02	R2RACAANY	r2racaany:w2 r receives any informal care for adls	Categ
03	R3RACAANY	r3racaany:w3 r receives any informal care for adls	Categ
04	R4RACAANY	r4racaany:w4 r receives any informal care for adls	Categ
05	R5RACAANY	r5racaany:w5 r receives any informal care for adls	Categ
06	R6RACAANY	r6racaany:w6 r receives any informal care for adls	Categ
07	R7RACAANY	r7racaany:w7 r receives any informal care for adls	Categ
08	R8RACAANY	r8racaany:w8 r receives any informal care for adls	Categ
09	R9RACAANY	r9racaany:w9 r receives any informal care for adls	Categ
10	R10RACAANY	r10racaany:w10 r receives any informal care for adls	Categ
11	R11RACAANY	r11racaany:w11 r receives any informal care for adls	Categ
12	R12RACAANY	r12racaany:w12 r receives any informal care for adls	Categ
13	R13RACAANY	r13racaany:w13 r receives any informal care for adls	Categ
14	R14RACAANY	r14racaany:w14 r receives any informal care for adls	Categ
15	R15RACAANY	r15racaany:w15 r receives any informal care for adls	Categ
02	S2RACAANY	s2racaany:w2 s receives any informal care for adls	Categ
03	S3RACAANY	s3racaany:w3 s receives any informal care for adls	Categ
04	S4RACAANY	s4racaany:w4 s receives any informal care for adls	Categ
05	S5RACAANY	s5racaany:w5 s receives any informal care for adls	Categ
06	S6RACAANY	s6racaany:w6 s receives any informal care for adls	Categ
07	S7RACAANY	s7racaany:w7 s receives any informal care for adls	Categ
08	S8RACAANY	s8racaany:w8 s receives any informal care for adls	Categ
09	S9RACAANY	s9racaany:w9 s receives any informal care for adls	Categ
10	S10RACAANY	s10racaany:w10 s receives any informal care for adls	Categ
11	S11RACAANY	s11racaany:w11 s receives any informal care for adls	Categ
12	S12RACAANY	s12racaany:w12 s receives any informal care for adls	Categ
13	S13RACAANY	s13racaany:w13 s receives any informal care for adls	Categ
14	S14RACAANY	s14racaany:w14 s receives any informal care for adls	Categ
15	S15RACAANY	s15racaany:w15 s receives any informal care for adls	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RACAANY	1529	0.33	0.47	0.00	1.00
R3RACAANY	3334	0.37	0.48	0.00	1.00
R4RACAANY	3812	0.37	0.48	0.00	1.00
R5RACAANY	3626	0.36	0.48	0.00	1.00
R6RACAANY	3442	0.37	0.48	0.00	1.00
R7RACAANY	3563	0.38	0.49	0.00	1.00
R8RACAANY	3630	0.36	0.48	0.00	1.00
R9RACAANY	3355	0.36	0.48	0.00	1.00
R10RACAANY	4265	0.43	0.50	0.00	1.00
R11RACAANY	3973	0.41	0.49	0.00	1.00
R12RACAANY	3853	0.41	0.49	0.00	1.00
R13RACAANY	4019	0.42	0.49	0.00	1.00
R14RACAANY	3252	0.39	0.49	0.00	1.00
R15RACAANY	3241	0.32	0.47	0.00	1.00
S2RACAANY	633	0.42	0.49	0.00	1.00
S3RACAANY	1662	0.43	0.49	0.00	1.00
S4RACAANY	1885	0.42	0.49	0.00	1.00
S5RACAANY	1790	0.41	0.49	0.00	1.00
S6RACAANY	1598	0.43	0.50	0.00	1.00
S7RACAANY	1661	0.45	0.50	0.00	1.00
S8RACAANY	1728	0.42	0.49	0.00	1.00
S9RACAANY	1497	0.43	0.50	0.00	1.00

S10RACAANY	1986	0.48	0.50	0.00	1.00
S11RACAANY	1831	0.47	0.50	0.00	1.00
S12RACAANY	1705	0.48	0.50	0.00	1.00
S13RACAANY	1712	0.48	0.50	0.00	1.00
S14RACAANY	1346	0.47	0.50	0.00	1.00
S15RACAANY	1436	0.35	0.48	0.00	1.00

### Categorical Variable Codes

Value-----	R2RACAANY	R3RACAANY	R4RACAANY	R5RACAANY
.d:DK	1	1	3	1
.f:infrequent care	252			
.m:Missing	3	39	28	1
.q:not asked this wave	11595			
.r:Refuse		2		3
.x:no difficulties	6437	14615	17541	15947
0.no	1020	2096	2420	2329
1.yes	509	1238	1392	1297

Value-----	R6RACAANY	R7RACAANY	R8RACAANY	R9RACAANY	R10RACAANY
.d:DK					1
.m:Missing	7	10	8	2	2
.r:Refuse	1		1		
.x:no difficulties	14715	16556	14830	13860	17766
0.no	2171	2203	2339	2135	2433
1.yes	1271	1360	1291	1220	1832

Value-----	R11RACAANY	R12RACAANY	R13RACAANY	R14RACAANY	R15RACAANY
.d:DK	1	3		23	26
.m:Missing	1	1			6
.r:Refuse	1			7	6
.x:no difficulties	16578	14890	16893	13864	12444
0.no	2361	2263	2324	1975	2207
1.yes	1612	1590	1695	1277	1034

Value-----	S2RACAANY	S3RACAANY	S4RACAANY	S5RACAANY
.f:infrequent care	110			
.m:Missing	2	12	7	
.q:not asked this wave	8738			
.r:Refuse				1
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3605	10242	12086	10939
0.no	364	952	1101	1062
1.yes	269	710	784	728

Value-----	S6RACAANY	S7RACAANY	S8RACAANY	S9RACAANY	S10RACAANY
.m:Missing	3	1	1	2	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10031	11306	9999	9141	11522
0.no	903	919	995	854	1034
1.yes	695	742	733	643	952

Value-----	S11RACAANY	S12RACAANY	S13RACAANY	S14RACAANY	S15RACAANY
.d:DK				2	8
.m:Missing					1
.r:Refuse				2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10645	9307	10066	8008	7020
0.no	973	881	882	708	936
1.yes	858	824	830	638	500

### How Constructed:

RwRACAANY indicates whether the respondent receives any informal care for difficulties with activities of daily living (ADL). The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In Waves 3 and onward, if the respondent



reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs. The information used to derive this variable is taken from the respondent-level and helper-level HRS helper files.

For the AHEAD cohort in Wave 2, the following relationships are considered to provide informal care: spouse, child, spouse of child, grandchild, spouse of grandchild, other relative, and other individual. For the AHEAD cohort in Wave 3 and the HRS cohorts in Waves 3 through 5, the following relationships are considered to provide informal care: spouse, child, child-in-law, unlisted child or child-in-law, step/partner child, grandchild, sibling, sibling of spouse, parent or parent-in-law, other relative, and other individual. In Waves 6 and onward, the following relationships are considered to provide informal care: spouse/partner, son, stepson, spouse/partner of daughter, daughter, stepdaughter, spouse/partner of son, grandchild, father, father of spouse/partner, mother, mother of spouse/partner, parents, brother, brother of spouse/partner, sister, sister of spouse/partner, other relative, other individual, former spouse, unlisted child or child-in-law, former step-child, former child-in-law, relationship unknown, and spouse/partner of grandchild.

RwRACAANY is assigned a value of 0 if the respondent has difficulty with at least one ADL but receives no help with the activity from an informal caregiver or does not receive any help at all. RwRACAANY is assigned a value of 1 if the respondent has difficulty with at least one ADL and an informal caregiver helps with at least one of the activities. RwRACAANY is assigned special missing .x if the respondent has no difficulty with any ADLs. Respondents in the AHEAD cohort in Wave 2 are not asked who helps them with ADLs if they report receiving help with the ADL some of the time or occasionally (as opposed to most/all of the time), in which case RwRACAANY is assigned special missing .f. These questions are not asked for the HRS cohort in Wave 2, so RwRACAANY is assigned special missing .q in this wave. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRACAANY is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRACAANY indicates whether the respondent's current wave's spouse receives any informal care for difficulties with ADLs, and its values are taken from RwRACAANY. In addition to the special missing codes employed by RwRACAANY, SwRACAANY employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

These questions are not asked at all in Wave 1 and for the HRS cohort in Wave 2.

In the AHEAD cohort in Wave 2, if the respondent reports receiving help with an ADL, then they are asked how frequently they receive help with that activity. If the respondent reports receiving help most/all of the time, then they are asked who helps them with that activity. They are not asked who helps them if they report receiving help some of the time or occasionally.

In Waves 3 and onward, if the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs.

The options for type of relationship change slightly between the AHEAD cohort in Wave 2, Waves 3 through 5, and Waves 6 and onward, but these categories have been combined to keep the definitions as similar as possible between waves for RwRACAANY.

## HRS Variables Used:

RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower

R11BEDA r11beda:w11 r any diff-get in/out bed  
R11DRESSA r11dressa:w11 r any diff-dressing  
R11EATA r11eata:w11 r any diff-eating  
R11TOILTA r11toilta:w11 r any diff-using the toilet  
R11WALKRA r11walkra:w11 r any diff-walk across room  
R12BATHA r12batha:w12 r any diff-bathing, shower  
R12BEDA r12beda:w12 r any diff-get in/out bed  
R12DRESSA r12dressa:w12 r any diff-dressing  
R12EATA r12eata:w12 r any diff-eating  
R12TOILTA r12toilta:w12 r any diff-using the toilet  
R12WALKRA r12walkra:w12 r any diff-walk across room  
R13BATHA r13batha:w13 r any diff-bathing, shower  
R13BEDA r13beda:w13 r any diff-get in/out bed  
R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5TOILTA r5toilta:w5 r any diff-using the toilet  
R5WALKRA r5walkra:w5 r any diff-walk across room  
R6BATHA r6batha:w6 r any diff-bathing, shower  
R6BEDA r6beda:w6 r any diff-get in/out bed  
R6DRESSA r6dressa:w6 r any diff-dressing  
R6EATA r6eata:w6 r any diff-eating  
R6TOILTA r6toilta:w6 r any diff-using the toilet  
R6WALKRA r6walkra:w6 r any diff-walk across room  
R7BATHA r7batha:w7 r any diff-bathing, shower  
R7BEDA r7beda:w7 r any diff-get in/out bed  
R7DRESSA r7dressa:w7 r any diff-dressing  
R7EATA r7eata:w7 r any diff-eating  
R7TOILTA r7toilta:w7 r any diff-using the toilet  
R7WALKRA r7walkra:w7 r any diff-walk across room  
R8BATHA r8batha:w8 r any diff-bathing, shower  
R8BEDA r8beda:w8 r any diff-get in/out bed  
R8DRESSA r8dressa:w8 r any diff-dressing  
R8EATA r8eata:w8 r any diff-eating

R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room
Wave 2 AHEAD:	
B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps
Wave 2 AHEAD Helper:	
BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
Wave 2 AHEAD HHLIST:	
OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R
Wave 2 HRS:	
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D1870	adlck.ckpt for skipping adl series
D1877	e72f.adl walk help
D1887	e73f.adl dress help
D1897	e74f.adl bathe help
D1907	e75f.adl eat help
D1920	e76f.adl bed help
D1930	e77f.adl toilet help
D1961	e83.who help-11
D1975	e84.who help-2
D1984	e85.who help-3
D1988	e86.who help-4
D1992	e87.who help-5
D1996	e88.who help-6
D2000	e89.who help-7
Wave 3 AHEAD Helper:	
D2135A	HELPER RELATIONSHIP COMBINED SOURCE
OPN	OTHER PERSON NUMBER
Wave 3 HRS:	
E1894	adlck.ckpt for skipping adl series
E1901	e72f.adl walk help
E1911	e73f.adl dress help
E1921	e74f.adl bathe help
E1931	e75f.adl eat help
E1944	e76f.adl bed help

E1954	e77f.adl toilet help
E1976	e83.who help-11
E1990	e84.who help-2
E1999	e85.who help-3
E2003	e86.who help-4
E2007	e87.who help-5
E2011	e88.who help-6
E2015	e89.who help-7
Wave 3 HRS Helper:	
E2120A	HELPER RELATIONSHIP COMBINED SOURCE
OPN	OTHER PERSON NUMBER
Wave 4:	
F2426	e73f.adl dress help
F2431	e72.adl walk help
F2447	e74f.adl bathe help
F2457	e75f.adl eat help
F2470	e76f.adl bed help
F2480	e77f.adl toilet help
F2502	e83.who help-11
F2516	e84.who help-2
F2525	e85.who help-3
F2529	e86.who help-4
F2533	e87.who help-5
F2537	e88.who help-6
F2541	e89.who help-7
Wave 4 Helper:	
F2639A	HELPER RELATIONSHIP COMBINED SOURCE
OPN	OTHER PERSON NUMBER
Wave 5:	
G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4
G2831	e87.who help-5
G2835	e88.who help-6
G2839	e89.who help-7
Wave 5 Helper:	
G2947A	HELPER RELATIONSHIP COMBINED SOURCE
OPN	OTHER PERSON NUMBER
Wave 6:	
HG013	chkpnt: count of hg001 through hg012
HG015	help w/dress
HG020	adl walk help
HG022	adl bathe help
HG024	adl eat help
HG029	adl bed help
HG031	adl toilet help
HG032_1	who helps most- adl- 1
HG032_2	who helps- adl- 2
HG032_3	who helps- adl- 3
HG032_4	who helps- adl- 4
HG032_5	who helps- adl- 5
HG032_6	who helps- adl- 6
HG032_7	who helps- adl- 7
Wave 6 Helper:	
HADLNDX	adl helper index
HG069	helper relationship

Wave 7:

JG013           chkpnt: count of jg001 through jg012  
JG015           help w/dress  
JG020           adl walk help  
JG022           adl bathe help  
JG024           adl eat help  
JG029           adl bed help  
JG031           adl toilet help  
JG032\_1         who helps most- adl- 1  
JG032\_2         who helps- adl- 2  
JG032\_3         who helps- adl- 3  
JG032\_4         who helps- adl- 4  
JG032\_5         who helps- adl- 5  
JG032\_6         who helps- adl- 6  
JG032\_7         who helps- adl- 7

Wave 7 Helper:

JADLNDX         index connection to the adl table  
JG069           helper relationship

Wave 8:

KG013           chkpnt: count of jg001 through jg012  
KG015           help w/dress  
KG020           adl walk help  
KG022           adl bathe help  
KG024           adl eat help  
KG029           adl bed help  
KG031           adl toilet help  
KG032\_1         who helps most- adl- 1  
KG032\_2         who helps- adl- 2  
KG032\_3         who helps- adl- 3  
KG032\_4         who helps- adl- 4  
KG032\_5         who helps- adl- 5  
KG032\_6         who helps- adl- 6  
KG032\_7         who helps- adl- 7

Wave 8 Helper:

KADLNDX         index connection to the adl table  
KG069           helper relationship

Wave 9:

LG013           chkpnt: count of lg001 through lg012  
LG015           help w/dress  
LG020           adl walk help  
LG022           adl bathe help  
LG024           adl eat help  
LG029           adl bed help  
LG031           adl toilet help  
LG032\_1         who helps most- adl- 1  
LG032\_2         who helps- adl- 2  
LG032\_3         who helps- adl- 3  
LG032\_4         who helps- adl- 4  
LG032\_5         who helps- adl- 5  
LG032\_6         who helps- adl- 6  
LG032\_7         who helps- adl- 7

Wave 9 Helper:

LADLNDX         index connection to the adl table  
LG069           helper relationship

Wave 10:

MG013           chkpnt: count of mg001 through mg012  
MG015           help w/dress  
MG020           adl walk help  
MG022           adl bathe help  
MG024           adl eat help  
MG029           adl bed help  
MG031           adl toilet help  
MG032\_1         who helps most- adl- 1

```
MG032_2      who helps- adl- 2
MG032_3      who helps- adl- 3
MG032_4      who helps- adl- 4
MG032_5      who helps- adl- 5
MG032_6      who helps- adl- 6
MG032_7      who helps- adl- 7
Wave 10 Helper:
MADLNDX      index connection to the adl table
MG069        helper relationship -1
Wave 11:
NG013        chkpnt: count of ng001 through ng012
NG015        help w/dress
NG020        adl walk help
NG022        adl bathe help
NG024        adl eat help
NG029        adl bed help
NG031        adl toilet help
NG032_1      who helps most- adl- 1
NG032_2      who helps- adl- 2
NG032_3      who helps- adl- 3
NG032_4      who helps- adl- 4
NG032_5      who helps- adl- 5
NG032_6      who helps- adl- 6
NG032_7      who helps- adl- 7
Wave 11 Helper:
NADLNDX      index connection to the adl table
NG069        helper relationship
Wave 12:
OG013        chkpnt: count of g001 through g012
OG015        help w/dress
OG020        adl walk help
OG022        adl bathe help
OG024        adl eat help
OG029        adl bed help
OG031        adl toilet help
OG032_1      who helps most- adl- 1
OG032_2      who helps- adl- 2
OG032_3      who helps- adl- 3
OG032_4      who helps- adl- 4
OG032_5      who helps- adl- 5
OG032_6      who helps- adl- 6
OG032_7      who helps- adl- 7
Wave 12 Helper:
OADLNDX      index connection to the adl table
OG069        helper relationship
Wave 13:
PG013        chkpnt: count of g001 through g012
PG015        help w/dress
PG020        adl walk help
PG022        adl bathe help
PG024        adl eat help
PG029        adl bed help
PG031        adl toilet help
PG032_1      who helps most- adl- 1
PG032_2      who helps- adl- 2
PG032_3      who helps- adl- 3
PG032_4      who helps- adl- 4
PG032_5      who helps- adl- 5
PG032_6      who helps- adl- 6
PG032_7      who helps- adl- 7
Wave 13 Helper:
PADLNDX      index connection to the adl table
PG069        helper relationship
```

## Wave 14:

QG013	chkpnt: count of g001 through g012
QG015	help w/dress
QG020	adl walk help
QG022	adl bathe help
QG024	adl eat help
QG029	adl bed help
QG031	adl toilet help
QG032_1	who helps most- adl- 1
QG032_2	who helps- adl- 2
QG032_3	who helps- adl- 3
QG032_4	who helps- adl- 4
QG032_5	who helps- adl- 5
QG032_6	who helps- adl- 6
QG032_7	who helps- adl- 7

## Wave 14 Helper:

QADLNDX	INDEX CONNECTION TO THE ADL TABLE
QG069	HELPER RELATIONSHIP

## Wave 15:

RG013	chkpnt: count of g001 through g012
RG015	help w/dress
RG020	adl walk help
RG022	adl bathe help
RG024	adl eat help
RG029	adl bed help
RG031	adl toilet help
RG032_1	who helps most- adl- 1
RG032_2	who helps- adl- 2
RG032_3	who helps- adl- 3
RG032_4	who helps- adl- 4
RG032_5	who helps- adl- 5
RG032_6	who helps- adl- 6
RG032_7	who helps- adl- 7

## Wave 15 Helper:

RADLNDX	INDEX CONNECTION TO THE ADL TABLE
RG069	HELPER RELATIONSHIP

<b>Activities of Daily Living: Receives Informal Care from Spouse</b>
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Wave	Variable	Label	Type
02	R2RASCARE	r2rascare:w2 r receives informal care from spouse for adls	Categ
03	R3RASCARE	r3rascare:w3 r receives informal care from spouse for adls	Categ
04	R4RASCARE	r4rascare:w4 r receives informal care from spouse for adls	Categ
05	R5RASCARE	r5rascare:w5 r receives informal care from spouse for adls	Categ
06	R6RASCARE	r6rascare:w6 r receives informal care from spouse for adls	Categ
07	R7RASCARE	r7rascare:w7 r receives informal care from spouse for adls	Categ
08	R8RASCARE	r8rascare:w8 r receives informal care from spouse for adls	Categ
09	R9RASCARE	r9rascare:w9 r receives informal care from spouse for adls	Categ
10	R10RASCARE	r10rascare:w10 r receives informal care from spouse for adls	Categ
11	R11RASCARE	r11rascare:w11 r receives informal care from spouse for adls	Categ
12	R12RASCARE	r12rascare:w12 r receives informal care from spouse for adls	Categ
13	R13RASCARE	r13rascare:w13 r receives informal care from spouse for adls	Categ
14	R14RASCARE	r14rascare:w14 r receives informal care from spouse for adls	Categ
15	R15RASCARE	r15rascare:w15 r receives informal care from spouse for adls	Categ
02	S2RASCARE	s2rascare:w2 s receives informal care from spouse for adls	Categ
03	S3RASCARE	s3rascare:w3 s receives informal care from spouse for adls	Categ
04	S4RASCARE	s4rascare:w4 s receives informal care from spouse for adls	Categ
05	S5RASCARE	s5rascare:w5 s receives informal care from spouse for adls	Categ
06	S6RASCARE	s6rascare:w6 s receives informal care from spouse for adls	Categ
07	S7RASCARE	s7rascare:w7 s receives informal care from spouse for adls	Categ
08	S8RASCARE	s8rascare:w8 s receives informal care from spouse for adls	Categ
09	S9RASCARE	s9rascare:w9 s receives informal care from spouse for adls	Categ
10	S10RASCARE	s10rascare:w10 s receives informal care from spouse for adls	Categ
11	S11RASCARE	s11rascare:w11 s receives informal care from spouse for adls	Categ
12	S12RASCARE	s12rascare:w12 s receives informal care from spouse for adls	Categ
13	S13RASCARE	s13rascare:w13 s receives informal care from spouse for adls	Categ
14	S14RASCARE	s14rascare:w14 s receives informal care from spouse for adls	Categ
15	S15RASCARE	s15rascare:w15 s receives informal care from spouse for adls	Categ
02	R2RASCAREN	r2rascaren:w2 # spouses who help r with adls	Cont
05	R5RASCAREN	r5rascaren:w5 # spouses who help r with adls	Cont
06	R6RASCAREN	r6rascaren:w6 # spouses who help r with adls	Cont
07	R7RASCAREN	r7rascaren:w7 # spouses who help r with adls	Cont
08	R8RASCAREN	r8rascaren:w8 # spouses who help r with adls	Cont
09	R9RASCAREN	r9rascaren:w9 # spouses who help r with adls	Cont
10	R10RASCAREN	r10rascaren:w10 # spouses who help r with adls	Cont
11	R11RASCAREN	r11rascaren:w11 # spouses who help r with adls	Cont
12	R12RASCAREN	r12rascaren:w12 # spouses who help r with adls	Cont
13	R13RASCAREN	r13rascaren:w13 # spouses who help r with adls	Cont
14	R14RASCAREN	r14rascaren:w14 # spouses who help r with adls	Cont
15	R15RASCAREN	r15rascaren:w15 # spouses who help r with adls	Cont
02	S2RASCAREN	s2rascaren:w2 # spouses who help s with adls	Cont
05	S5RASCAREN	s5rascaren:w5 # spouses who help s with adls	Cont
06	S6RASCAREN	s6rascaren:w6 # spouses who help s with adls	Cont
07	S7RASCAREN	s7rascaren:w7 # spouses who help s with adls	Cont
08	S8RASCAREN	s8rascaren:w8 # spouses who help s with adls	Cont
09	S9RASCAREN	s9rascaren:w9 # spouses who help s with adls	Cont
10	S10RASCAREN	s10rascaren:w10 # spouses who help s with adls	Cont
11	S11RASCAREN	s11rascaren:w11 # spouses who help s with adls	Cont
12	S12RASCAREN	s12rascaren:w12 # spouses who help s with adls	Cont
13	S13RASCAREN	s13rascaren:w13 # spouses who help s with adls	Cont
14	S14RASCAREN	s14rascaren:w14 # spouses who help s with adls	Cont
15	S15RASCAREN	s15rascaren:w15 # spouses who help s with adls	Cont
05	R5RASCAREDPM	r5rascaredpm:w5 days/month spouse helps r with adls	Cont



06	R6RASCAREDPM	r6rascaredpm:w6 days/month spouse helps r with adls	Cont
07	R7RASCAREDPM	r7rascaredpm:w7 days/month spouse helps r with adls	Cont
08	R8RASCAREDPM	r8rascaredpm:w8 days/month spouse helps r with adls	Cont
09	R9RASCAREDPM	r9rascaredpm:w9 days/month spouse helps r with adls	Cont
10	R10RASCAREDPM	r10rascaredpm:w10 days/month spouse helps r with adls	Cont
11	R11RASCAREDPM	r11rascaredpm:w11 days/month spouse helps r with adls	Cont
12	R12RASCAREDPM	r12rascaredpm:w12 days/month spouse helps r with adls	Cont
13	R13RASCAREDPM	r13rascaredpm:w13 days/month spouse helps r with adls	Cont
14	R14RASCAREDPM	r14rascaredpm:w14 days/month spouse helps r with adls	Cont
15	R15RASCAREDPM	r15rascaredpm:w15 days/month spouse helps r with adls	Cont
05	S5RASCAREDPM	s5rascaredpm:w5 days/month spouse helps s with adls	Cont
06	S6RASCAREDPM	s6rascaredpm:w6 days/month spouse helps s with adls	Cont
07	S7RASCAREDPM	s7rascaredpm:w7 days/month spouse helps s with adls	Cont
08	S8RASCAREDPM	s8rascaredpm:w8 days/month spouse helps s with adls	Cont
09	S9RASCAREDPM	s9rascaredpm:w9 days/month spouse helps s with adls	Cont
10	S10RASCAREDPM	s10rascaredpm:w10 days/month spouse helps s with adls	Cont
11	S11RASCAREDPM	s11rascaredpm:w11 days/month spouse helps s with adls	Cont
12	S12RASCAREDPM	s12rascaredpm:w12 days/month spouse helps s with adls	Cont
13	S13RASCAREDPM	s13rascaredpm:w13 days/month spouse helps s with adls	Cont
14	S14RASCAREDPM	s14rascaredpm:w14 days/month spouse helps s with adls	Cont
15	S15RASCAREDPM	s15rascaredpm:w15 days/month spouse helps s with adls	Cont
05	R5RASCAREDPMM	r5rascaredpmm:w5 r spouse missing days of help for adls	Cont
06	R6RASCAREDPMM	r6rascaredpmm:w6 r spouse missing days of help for adls	Cont
07	R7RASCAREDPMM	r7rascaredpmm:w7 r spouse missing days of help for adls	Cont
08	R8RASCAREDPMM	r8rascaredpmm:w8 r spouse missing days of help for adls	Cont
09	R9RASCAREDPMM	r9rascaredpmm:w9 r spouse missing days of help for adls	Cont
10	R10RASCAREDPMM	r10rascaredpmm:w10 r spouse missing days of help for adls	Cont
11	R11RASCAREDPMM	r11rascaredpmm:w11 r spouse missing days of help for adls	Cont
12	R12RASCAREDPMM	r12rascaredpmm:w12 r spouse missing days of help for adls	Cont
13	R13RASCAREDPMM	r13rascaredpmm:w13 r spouse missing days of help for adls	Cont
14	R14RASCAREDPMM	r14rascaredpmm:w14 r spouse missing days of help for adls	Cont
15	R15RASCAREDPMM	r15rascaredpmm:w15 r spouse missing days of help for adls	Cont
05	S5RASCAREDPMM	s5rascaredpmm:w5 s spouse missing days of help for adls	Cont
06	S6RASCAREDPMM	s6rascaredpmm:w6 s spouse missing days of help for adls	Cont
07	S7RASCAREDPMM	s7rascaredpmm:w7 s spouse missing days of help for adls	Cont
08	S8RASCAREDPMM	s8rascaredpmm:w8 s spouse missing days of help for adls	Cont
09	S9RASCAREDPMM	s9rascaredpmm:w9 s spouse missing days of help for adls	Cont
10	S10RASCAREDPMM	s10rascaredpmm:w10 s spouse missing days of help for adls	Cont
11	S11RASCAREDPMM	s11rascaredpmm:w11 s spouse missing days of help for adls	Cont
12	S12RASCAREDPMM	s12rascaredpmm:w12 s spouse missing days of help for adls	Cont
13	S13RASCAREDPMM	s13rascaredpmm:w13 s spouse missing days of help for adls	Cont
14	S14RASCAREDPMM	s14rascaredpmm:w14 s spouse missing days of help for adls	Cont
15	S15RASCAREDPMM	s15rascaredpmm:w15 s spouse missing days of help for adls	Cont
02	R2RASCAREHR	r2rascarehr:w2 hours/day spouse helps r with adls	Cont
05	R5RASCAREHR	r5rascarehr:w5 hours/day spouse helps r with adls	Cont
06	R6RASCAREHR	r6rascarehr:w6 hours/day spouse helps r with adls	Cont
07	R7RASCAREHR	r7rascarehr:w7 hours/day spouse helps r with adls	Cont
08	R8RASCAREHR	r8rascarehr:w8 hours/day spouse helps r with adls	Cont
09	R9RASCAREHR	r9rascarehr:w9 hours/day spouse helps r with adls	Cont
10	R10RASCAREHR	r10rascarehr:w10 hours/day spouse helps r with adls	Cont
11	R11RASCAREHR	r11rascarehr:w11 hours/day spouse helps r with adls	Cont
12	R12RASCAREHR	r12rascarehr:w12 hours/day spouse helps r with adls	Cont
13	R13RASCAREHR	r13rascarehr:w13 hours/day spouse helps r with adls	Cont
14	R14RASCAREHR	r14rascarehr:w14 hours/day spouse helps r with adls	Cont
15	R15RASCAREHR	r15rascarehr:w15 hours/day spouse helps r with adls	Cont
02	S2RASCAREHR	s2rascarehr:w2 hours/day spouse helps s with adls	Cont
05	S5RASCAREHR	s5rascarehr:w5 hours/day spouse helps s with adls	Cont
06	S6RASCAREHR	s6rascarehr:w6 hours/day spouse helps s with adls	Cont

07	S7RASCAREHR	s7rascarehr:w7 hours/day spouse helps s with adls	Cont
08	S8RASCAREHR	s8rascarehr:w8 hours/day spouse helps s with adls	Cont
09	S9RASCAREHR	s9rascarehr:w9 hours/day spouse helps s with adls	Cont
10	S10RASCAREHR	s10rascarehr:w10 hours/day spouse helps s with adls	Cont
11	S11RASCAREHR	s11rascarehr:w11 hours/day spouse helps s with adls	Cont
12	S12RASCAREHR	s12rascarehr:w12 hours/day spouse helps s with adls	Cont
13	S13RASCAREHR	s13rascarehr:w13 hours/day spouse helps s with adls	Cont
14	S14RASCAREHR	s14rascarehr:w14 hours/day spouse helps s with adls	Cont
15	S15RASCAREHR	s15rascarehr:w15 hours/day spouse helps s with adls	Cont
02	R2RASCAREHRM	r2rascarehrm:w2 r spouse missing hours of help for adls	Cont
05	R5RASCAREHRM	r5rascarehrm:w5 r spouse missing hours of help for adls	Cont
06	R6RASCAREHRM	r6rascarehrm:w6 r spouse missing hours of help for adls	Cont
07	R7RASCAREHRM	r7rascarehrm:w7 r spouse missing hours of help for adls	Cont
08	R8RASCAREHRM	r8rascarehrm:w8 r spouse missing hours of help for adls	Cont
09	R9RASCAREHRM	r9rascarehrm:w9 r spouse missing hours of help for adls	Cont
10	R10RASCAREHRM	r10rascarehrm:w10 r spouse missing hours of help for adls	Cont
11	R11RASCAREHRM	r11rascarehrm:w11 r spouse missing hours of help for adls	Cont
12	R12RASCAREHRM	r12rascarehrm:w12 r spouse missing hours of help for adls	Cont
13	R13RASCAREHRM	r13rascarehrm:w13 r spouse missing hours of help for adls	Cont
14	R14RASCAREHRM	r14rascarehrm:w14 r spouse missing hours of help for adls	Cont
15	R15RASCAREHRM	r15rascarehrm:w15 r spouse missing hours of help for adls	Cont
02	S2RASCAREHRM	s2rascarehrm:w2 s spouse missing hours of help for adls	Cont
05	S5RASCAREHRM	s5rascarehrm:w5 s spouse missing hours of help for adls	Cont
06	S6RASCAREHRM	s6rascarehrm:w6 s spouse missing hours of help for adls	Cont
07	S7RASCAREHRM	s7rascarehrm:w7 s spouse missing hours of help for adls	Cont
08	S8RASCAREHRM	s8rascarehrm:w8 s spouse missing hours of help for adls	Cont
09	S9RASCAREHRM	s9rascarehrm:w9 s spouse missing hours of help for adls	Cont
10	S10RASCAREHRM	s10rascarehrm:w10 s spouse missing hours of help for adls	Cont
11	S11RASCAREHRM	s11rascarehrm:w11 s spouse missing hours of help for adls	Cont
12	S12RASCAREHRM	s12rascarehrm:w12 s spouse missing hours of help for adls	Cont
13	S13RASCAREHRM	s13rascarehrm:w13 s spouse missing hours of help for adls	Cont
14	S14RASCAREHRM	s14rascarehrm:w14 s spouse missing hours of help for adls	Cont
15	S15RASCAREHRM	s15rascarehrm:w15 s spouse missing hours of help for adls	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RASCARE	659	0.35	0.48	0.00	1.00
R3RASCARE	1558	0.43	0.49	0.00	1.00
R4RASCARE	1722	0.42	0.49	0.00	1.00
R5RASCARE	1650	0.40	0.49	0.00	1.00
R6RASCARE	1636	0.38	0.49	0.00	1.00
R7RASCARE	1723	0.39	0.49	0.00	1.00
R8RASCARE	1658	0.40	0.49	0.00	1.00
R9RASCARE	1571	0.38	0.49	0.00	1.00
R10RASCARE	2132	0.41	0.49	0.00	1.00
R11RASCARE	2009	0.39	0.49	0.00	1.00
R12RASCARE	1942	0.38	0.49	0.00	1.00
R13RASCARE	2028	0.38	0.49	0.00	1.00
R14RASCARE	1553	0.41	0.49	0.00	1.00
R15RASCARE	1245	0.39	0.49	0.00	1.00
S2RASCARE	293	0.76	0.43	0.00	1.00
S3RASCARE	778	0.83	0.37	0.00	1.00
S4RASCARE	851	0.82	0.38	0.00	1.00
S5RASCARE	791	0.83	0.37	0.00	1.00
S6RASCARE	760	0.81	0.39	0.00	1.00
S7RASCARE	800	0.83	0.38	0.00	1.00
S8RASCARE	804	0.81	0.39	0.00	1.00
S9RASCARE	692	0.84	0.36	0.00	1.00

S10RASCARE	1020	0.82	0.38	0.00	1.00
S11RASCARE	919	0.82	0.38	0.00	1.00
S12RASCARE	884	0.80	0.40	0.00	1.00
S13RASCARE	888	0.80	0.40	0.00	1.00
S14RASCARE	698	0.81	0.39	0.00	1.00
S15RASCARE	542	0.79	0.41	0.00	1.00
R2RASCAREN	659	0.35	0.48	0.00	1.00
R5RASCAREN	1650	0.40	0.49	0.00	1.00
R6RASCAREN	1636	0.38	0.49	0.00	1.00
R7RASCAREN	1723	0.39	0.49	0.00	1.00
R8RASCAREN	1658	0.40	0.49	0.00	1.00
R9RASCAREN	1571	0.38	0.49	0.00	1.00
R10RASCAREN	2132	0.41	0.49	0.00	1.00
R11RASCAREN	2009	0.39	0.49	0.00	1.00
R12RASCAREN	1942	0.38	0.49	0.00	2.00
R13RASCAREN	2028	0.38	0.49	0.00	1.00
R14RASCAREN	1553	0.41	0.49	0.00	1.00
R15RASCAREN	1245	0.39	0.49	0.00	1.00
S2RASCAREN	293	0.76	0.43	0.00	1.00
S5RASCAREN	791	0.83	0.37	0.00	1.00
S6RASCAREN	760	0.81	0.39	0.00	1.00
S7RASCAREN	800	0.83	0.38	0.00	1.00
S8RASCAREN	804	0.81	0.39	0.00	1.00
S9RASCAREN	692	0.84	0.36	0.00	1.00
S10RASCAREN	1020	0.82	0.38	0.00	1.00
S11RASCAREN	919	0.82	0.38	0.00	1.00
S12RASCAREN	884	0.80	0.41	0.00	2.00
S13RASCAREN	888	0.80	0.40	0.00	1.00
S14RASCAREN	698	0.81	0.39	0.00	1.00
S15RASCAREN	542	0.79	0.41	0.00	1.00
R5RASCAREDPM	1629	10.16	13.97	0.00	31.00
R6RASCAREDPM	1628	8.97	13.47	0.00	31.00
R7RASCAREDPM	1720	8.83	13.31	0.00	31.00
R8RASCAREDPM	1651	9.41	13.71	0.00	31.00
R9RASCAREDPM	1567	9.17	13.59	0.00	31.00
R10RASCAREDPM	2128	8.92	13.30	0.00	31.00
R11RASCAREDPM	2003	8.52	13.10	0.00	31.00
R12RASCAREDPM	1933	8.38	13.00	0.00	36.00
R13RASCAREDPM	2022	8.01	12.74	0.00	31.00
R14RASCAREDPM	1542	8.84	13.15	0.00	31.00
R15RASCAREDPM	1236	8.62	13.15	0.00	31.00
S5RASCAREDPM	772	21.21	13.15	0.00	31.00
S6RASCAREDPM	752	19.07	13.89	0.00	31.00
S7RASCAREDPM	797	18.87	13.76	0.00	31.00
S8RASCAREDPM	797	19.14	14.01	0.00	31.00
S9RASCAREDPM	688	20.52	13.43	0.00	31.00
S10RASCAREDPM	1017	18.10	13.90	0.00	31.00
S11RASCAREDPM	913	17.96	13.85	0.00	31.00
S12RASCAREDPM	876	17.74	13.90	0.00	36.00
S13RASCAREDPM	883	17.05	13.95	0.00	31.00
S14RASCAREDPM	687	17.91	13.75	0.00	31.00
S15RASCAREDPM	533	17.89	13.96	0.00	31.00
R5RASCAREDPMM	1650	0.00	0.06	0.00	1.00
R6RASCAREDPMM	1636	0.00	0.07	0.00	1.00
R7RASCAREDPMM	1723	0.00	0.04	0.00	1.00
R8RASCAREDPMM	1658	0.00	0.06	0.00	1.00
R9RASCAREDPMM	1571	0.00	0.05	0.00	1.00
R10RASCAREDPMM	2132	0.00	0.04	0.00	1.00

R11RASCAREDPMM	2009	0.00	0.05	0.00	1.00
R12RASCAREDPMM	1942	0.00	0.06	0.00	1.00
R13RASCAREDPMM	2028	0.00	0.05	0.00	1.00
R14RASCAREDPMM	1553	0.01	0.08	0.00	1.00
R15RASCAREDPMM	1245	0.01	0.08	0.00	1.00
S5RASCAREDPMM	791	0.01	0.09	0.00	1.00
S6RASCAREDPMM	760	0.01	0.10	0.00	1.00
S7RASCAREDPMM	800	0.00	0.06	0.00	1.00
S8RASCAREDPMM	804	0.01	0.09	0.00	1.00
S9RASCAREDPMM	692	0.01	0.08	0.00	1.00
S10RASCAREDPMM	1020	0.00	0.05	0.00	1.00
S11RASCAREDPMM	919	0.01	0.07	0.00	1.00
S12RASCAREDPMM	884	0.01	0.08	0.00	1.00
S13RASCAREDPMM	888	0.01	0.07	0.00	1.00
S14RASCAREDPMM	698	0.02	0.12	0.00	1.00
S15RASCAREDPMM	542	0.02	0.13	0.00	1.00
R2RASCAREHR	650	2.74	6.14	0.00	24.00
R5RASCAREHR	1591	2.23	5.32	0.00	24.00
R6RASCAREHR	1587	2.25	5.46	0.00	24.00
R7RASCAREHR	1668	2.28	5.50	0.00	24.00
R8RASCAREHR	1589	2.02	5.02	0.00	24.00
R9RASCAREHR	1517	2.32	5.78	0.00	24.00
R10RASCAREHR	2053	1.95	4.75	0.00	24.00
R11RASCAREHR	1941	1.97	4.76	0.00	24.00
R12RASCAREHR	1875	1.88	4.83	0.00	24.00
R13RASCAREHR	1964	1.89	4.78	0.00	24.00
R14RASCAREHR	1491	1.95	4.62	0.00	24.00
R15RASCAREHR	1206	2.08	4.91	0.00	24.00
S2RASCAREHR	284	6.14	8.03	0.00	24.00
S5RASCAREHR	734	4.83	6.98	0.00	24.00
S6RASCAREHR	712	4.89	7.17	0.00	24.00
S7RASCAREHR	745	5.06	7.31	0.00	24.00
S8RASCAREHR	736	4.31	6.62	0.00	24.00
S9RASCAREHR	639	5.43	7.82	0.00	24.00
S10RASCAREHR	946	4.06	6.16	0.00	24.00
S11RASCAREHR	857	4.26	6.26	0.00	24.00
S12RASCAREHR	820	4.17	6.55	0.00	24.00
S13RASCAREHR	829	4.15	6.44	0.00	24.00
S14RASCAREHR	639	4.00	5.96	0.00	24.00
S15RASCAREHR	509	4.42	6.43	0.00	24.00
R2RASCAREHRM	659	0.01	0.12	0.00	1.00
R5RASCAREHRM	1650	0.04	0.19	0.00	1.00
R6RASCAREHRM	1636	0.03	0.17	0.00	1.00
R7RASCAREHRM	1723	0.03	0.18	0.00	1.00
R8RASCAREHRM	1658	0.04	0.20	0.00	1.00
R9RASCAREHRM	1571	0.03	0.18	0.00	1.00
R10RASCAREHRM	2132	0.04	0.19	0.00	1.00
R11RASCAREHRM	2009	0.03	0.18	0.00	1.00
R12RASCAREHRM	1942	0.03	0.18	0.00	1.00
R13RASCAREHRM	2028	0.03	0.17	0.00	1.00
R14RASCAREHRM	1553	0.04	0.19	0.00	1.00
R15RASCAREHRM	1245	0.03	0.17	0.00	1.00
S2RASCAREHRM	293	0.03	0.17	0.00	1.00
S5RASCAREHRM	791	0.07	0.26	0.00	1.00
S6RASCAREHRM	760	0.06	0.24	0.00	1.00
S7RASCAREHRM	800	0.07	0.25	0.00	1.00
S8RASCAREHRM	804	0.08	0.28	0.00	1.00
S9RASCAREHRM	692	0.08	0.27	0.00	1.00

S10RASCAREHRM	1020	0.07	0.26	0.00	1.00
S11RASCAREHRM	919	0.07	0.25	0.00	1.00
S12RASCAREHRM	884	0.07	0.26	0.00	1.00
S13RASCAREHRM	888	0.07	0.25	0.00	1.00
S14RASCAREHRM	698	0.08	0.27	0.00	1.00
S15RASCAREHRM	542	0.06	0.24	0.00	1.00

**Categorical Variable Codes**

Value-----	R2RASCARE	R3RASCARE	R4RASCARE	R5RASCARE
.d:DK	1	1	3	1
.f:infrequent care	252			
.h:no help received	870	1776	2090	1976
.m:Missing	3	39	28	1
.q:not asked this wave	11595			
.r:Refuse		2		3
.x:no difficulties	6437	14615	17541	15947
0.no	429	891	1000	983
1.yes	230	667	722	667

Value-----	R6RASCARE	R7RASCARE	R8RASCARE	R9RASCARE	R10RASCARE
.d:DK	2			7	17
.h:no help received	1804	1840	1972	1777	2114
.m:Missing	7	10	8	2	2
.r:Refuse	1		1		3
.x:no difficulties	14715	16556	14830	13860	17766
0.no	1011	1057	997	977	1263
1.yes	625	666	661	594	869

Value-----	R11RASCARE	R12RASCARE	R13RASCARE	R14RASCARE	R15RASCARE
.d:DK	29	25	20	23	26
.h:no help received	1931	1880	1965	1699	1996
.m:Missing	1	1			6
.r:Refuse	6	9	6	7	6
.x:no difficulties	16578	14890	16893	13864	12444
0.no	1217	1202	1248	923	755
1.yes	792	740	780	630	490

Value-----	S2RASCARE	S3RASCARE	S4RASCARE	S5RASCARE
.f:infrequent care	110			
.h:no help received	340	884	1034	999
.m:Missing	2	12	7	
.q:not asked this wave	8738			
.r:Refuse				1
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3605	10242	12086	10939
0.no	69	130	153	133
1.yes	224	648	698	658

Value-----	S6RASCARE	S7RASCARE	S8RASCARE	S9RASCARE	S10RASCARE
.d:DK				2	5
.h:no help received	838	861	924	803	960
.m:Missing	3	1	1	2	
.r:Refuse					1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10031	11306	9999	9141	11522
0.no	146	140	153	109	183
1.yes	614	660	651	583	837

Value-----	S11RASCARE	S12RASCARE	S13RASCARE	S14RASCARE	S15RASCARE
.d:DK	11	8	7	2	8
.h:no help received	900	813	815	648	894
.m:Missing					1
.r:Refuse	1		2	2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10645	9307	10066	8008	7020
0.no	163	181	175	132	113
1.yes	756	703	713	566	429

## How Constructed:

The following variables indicate whether the respondent's spouse helps the respondent with any ADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. In the AHEAD cohort in Wave 2, if the respondent reports receiving help with an ADL activity, then they are asked whether they have difficulty with it and who helps them with that activity. In Waves 3 and onward, if the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, and are coded as special missing .h if the respondent reports difficulty with an ADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRASCARE, RwRASCAREN, RwRASCAREDPM, RwRASCAREDPMM, RwRASCAREHR, and RwRASCAREHRM include help from the current spouse/partner of the respondent in Waves 2 through 5, and the current or former spouse/partner of the respondent in Wave 6 and onward.

RwRASCARE indicates whether the respondent's spouse or former spouse helps the respondent with any ADL needs. RwRASCAREN indicates the number of the respondent's spouses or former spouses who help the respondent with ADL needs. RwRASCARE is coded as 0 if the respondent receives no assistance from their spouse, and coded as 1 if the respondent does receive help from their spouse. In Wave 2, RwRASCARE and RwRASCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRASCARE is not available in Wave 1 and RwRASCAREN is not available in Waves 1, 3, and 4.

RwRASCAREDPM indicates the number of total days per month the respondent's spouse or former spouse helps the respondent with ADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRASCAREDPM is the sum of days per month for all spouse or former spouse helpers, and so values can be over 31 days. RwRASCAREDPM is calculated as long as there is one non-missing value. RwRASCAREDPMM indicates the number of spouses or former spouses who helped the respondent for whom no value of days was reported and was not accounted for in RwRASCAREDPM. RwRASCAREDPMM is assigned special missing .m if the respondent was not helped by any spouse or former spouse or prior information was missing. RwRASCAREDPM and RwRASCAREDPMM are not available in Waves 1 through 4.

RwRASCAREHR indicates the number of total hours per day the respondent's spouse or former spouse helps the respondent with any ADL needs. Respondents are asked, on days their spouse helps with a particular ADL need, how many hours per day their spouse helps. If the respondent reports less than an hour, then a 1 is recorded. RwRASCAREHR is the sum of hours per day for all spouse or former spouse helpers, and so values can be over 24 hours. RwRASCAREHR is calculated as long as there is one non-missing value. RwRASCAREHRM indicates the number of spouses or former spouses who helped the respondent for whom no value of hours was reported and was not accounted for in RwRASCAREHR. RwRASCAREHRM is assigned special missing .m if the respondent was not helped by any spouse or former spouses or prior information was missing. If the respondent participated in the HRS cohort in Wave 2, then RwRASCAREHR and RwRASCAREHRM are assigned special missing .q in Wave 2. RwRASCAREHR and RwRASCAREHRM are not available in Waves 1, 3, and 4.

SwRASCARE, SwRASCAREN, SwRASCAREDPM, and SwRASCAREHR indicate whether, the number, and the frequency with which the respondent's current wave's spouse receives help from the respondent or their former spouse, and their values are taken from RwRASCARE, RwRASCAREN, RwRASCAREDPM, and RwRASCAREHR. SwRASCAREDPMM and SwRASCAREHRM indicate whether or not a value was reported for the number of days and hours the respondent's current spouse was helped by the respondent or their former spouse and are taken from RwRASCAREDPMM and RwRASCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v

is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Respondents are asked who helps them with ADLs starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWRASCARE is available starting in the AHEAD cohorts in Wave 2 and Wave 3. Additionally, RWRASCAREN is available for the AHEAD cohort in Wave 2. If the respondent participated in the HRS cohort in Wave 2, then these variables are assigned special missing .q in Wave 2 because they were not asked this question.

In the AHEAD cohort in Wave 2, respondents can report that their spouse helps them with ADLs, and were asked how frequently and the number of hours that their spouse provides help. However, the frequency of help is not comparable to other waves and so RWRASCAREDPM and RWRASCAREDPMM are not available in the AHEAD cohort in Wave 2. The number of hours that their spouse helps is comparable, and so RWRASCAREHR and RWRASCAREHRM are available in the AHEAD cohort in Wave 2. If the respondent participated in the HRS cohort in Wave 2, then RWRASCAREHR and RWRASCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

In Waves 3 and 4, respondents can report that their current spouse helps them with ADLs or IADLs. However, respondents are not asked about the number of days or number of hours that the respondent's spouse helps the respondent in these waves. As such, RWRASCAREN, RWRASCAREDPM, RWRASCAREDPMM, RWRASCAREHR, and RWRASCAREHRM are not available in Waves 3 and 4.

Starting in Wave 5, respondents are asked who helps them with ADLs, and are asked about the number of days and number of hours that the respondent's spouse helps the respondent. As such, RWRASCAREN, RWRASCAREDPM, RWRASCAREDPMM, RWRASCAREHR, and RWRASCAREHRM are available beginning in Wave 5.

## HRS Variables Used:

### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed
R12DRESSA	r12dressa:w12 r any diff-dressing
R12EATA	r12eata:w12 r any diff-eating
R12TOILTA	r12toilta:w12 r any diff-using the toilet
R12WALKRA	r12walkra:w12 r any diff-walk across room
R13BATHA	r13batha:w13 r any diff-bathing, shower
R13BEDA	r13beda:w13 r any diff-get in/out bed
R13DRESSA	r13dressa:w13 r any diff-dressing

R13EATA r13eata:w13 r any diff-eating  
 R13TOILTA r13toilta:w13 r any diff-using the toilet  
 R13WALKRA r13walkra:w13 r any diff-walk across room  
 R14BATHA r14batha:w14 r any diff-bathing, shower  
 R14BEDA r14beda:w14 r any diff-get in/out bed  
 R14DRESSA r14dressa:w14 r any diff-dressing  
 R14EATA r14eata:w14 r any diff-eating  
 R14TOILTA r14toilta:w14 r any diff-using the toilet  
 R14WALKRA r14walkra:w14 r any diff-walk across room  
 R15BATHA r15batha:w15 r any diff-bathing, shower  
 R15BEDA r15beda:w15 r any diff-get in/out bed  
 R15DRESSA r15dressa:w15 r any diff-dressing  
 R15EATA r15eata:w15 r any diff-eating  
 R15TOILTA r15toilta:w15 r any diff-using the toilet  
 R15WALKRA r15walkra:w15 r any diff-walk across room  
 R3BATHA r3batha:w3 r any diff-bathing, shower  
 R3BEDA r3beda:w3 r any diff-get in/out bed  
 R3DRESSA r3dressa:w3 r any diff-dressing  
 R3EATA r3eata:w3 r any diff-eating  
 R3TOILTA r3toilta:w3 r any diff-using the toilet  
 R3WALKRA r3walkra:w3 r any diff-walk across room  
 R4BATHA r4batha:w4 r any diff-bathing, shower  
 R4BEDA r4beda:w4 r any diff-get in/out bed  
 R4DRESSA r4dressa:w4 r any diff-dressing  
 R4EATA r4eata:w4 r any diff-eating  
 R4TOILTA r4toilta:w4 r any diff-using the toilet  
 R4WALKRA r4walkra:w4 r any diff-walk across room  
 R5BATHA r5batha:w5 r any diff-bathing, shower  
 R5BEDA r5beda:w5 r any diff-get in/out bed  
 R5DRESSA r5dressa:w5 r any diff-dressing  
 R5EATA r5eata:w5 r any diff-eating  
 R5TOILTA r5toilta:w5 r any diff-using the toilet  
 R5WALKRA r5walkra:w5 r any diff-walk across room  
 R6BATHA r6batha:w6 r any diff-bathing, shower  
 R6BEDA r6beda:w6 r any diff-get in/out bed  
 R6DRESSA r6dressa:w6 r any diff-dressing  
 R6EATA r6eata:w6 r any diff-eating  
 R6TOILTA r6toilta:w6 r any diff-using the toilet  
 R6WALKRA r6walkra:w6 r any diff-walk across room  
 R7BATHA r7batha:w7 r any diff-bathing, shower  
 R7BEDA r7beda:w7 r any diff-get in/out bed  
 R7DRESSA r7dressa:w7 r any diff-dressing  
 R7EATA r7eata:w7 r any diff-eating  
 R7TOILTA r7toilta:w7 r any diff-using the toilet  
 R7WALKRA r7walkra:w7 r any diff-walk across room  
 R8BATHA r8batha:w8 r any diff-bathing, shower  
 R8BEDA r8beda:w8 r any diff-get in/out bed  
 R8DRESSA r8dressa:w8 r any diff-dressing  
 R8EATA r8eata:w8 r any diff-eating  
 R8TOILTA r8toilta:w8 r any diff-using the toilet  
 R8WALKRA r8walkra:w8 r any diff-walk across room  
 R9BATHA r9batha:w9 r any diff-bathing, shower  
 R9BEDA r9beda:w9 r any diff-get in/out bed  
 R9DRESSA r9dressa:w9 r any diff-dressing  
 R9EATA r9eata:w9 r any diff-eating  
 R9TOILTA r9toilta:w9 r any diff-using the toilet  
 R9WALKRA r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768 e33. adl walk help ever  
 B773 e33e. walk any difficulty  
 B775 e34. walk who helps  
 B779 e35. adl dress help ever  
 B781 e35b. dress any difficulty



B783 e36. dress who helps  
 B787 e37. adl bathe help ever  
 B789 e37b. bathe any difficulty  
 B791 e38. bathe who helps  
 B795 e39. adl eat get help ever  
 B797 e39b. eat difficulty  
 B799 e40. eat who helps  
 B803 e41. adl in/out bed help ever  
 B805 e42. in/out bed-who helps  
 B811 e43c. bed any difficulty  
 B814 e44. adl toilet help ever  
 B816 e44b. toilet any difficulty  
 B823 e45. toilet who helps

## Wave 2 AHEAD Helper:

BRELATEP HELPER RELATION TO R  
 HN HELPER NUMBER  
 OPN OTHER PERSON NUMBER  
 OTHRHELP OTHER HELPER RELATION TO R  
 V992 E60. HELPER HOW OFTEN  
 V993 E61. HELPER HOURS PER DAY

## Wave 2 AHEAD HHLIST:

OPN OTHER PERSON NUMBER  
 RELATE\_F RELATIONSHIP TO FEMALE R  
 RELATE\_M RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN\_INHH hrs w2: # in hhold (r1/r2 only)

## Wave 3 AHEAD:

D1870 adlck.ckpt for skipping adl series  
 D1877 e72f.adl walk help  
 D1887 e73f.adl dress help  
 D1897 e74f.adl bathe help  
 D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7

## Wave 3 AHEAD Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
 E1901 e72f.adl walk help  
 E1911 e73f.adl dress help  
 E1921 e74f.adl bathe help  
 E1931 e75f.adl eat help  
 E1944 e76f.adl bed help  
 E1954 e77f.adl toilet help  
 E1976 e83.who help-11  
 E1990 e84.who help-2  
 E1999 e85.who help-3  
 E2003 e86.who help-4  
 E2007 e87.who help-5  
 E2011 e88.who help-6

E2015	e89.who help-7
Wave 3 HRS Helper:	
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
E2142	E158-2. HELPER-SP OFTEN
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
OPN	OTHER PERSON NUMBER
Wave 4:	
F2426	e73f.adl dress help
F2431	e72.adl walk help
F2447	e74f.adl bathe help
F2457	e75f.adl eat help
F2470	e76f.adl bed help
F2480	e77f.adl toilet help
F2502	e83.who help-11
F2516	e84.who help-2
F2525	e85.who help-3
F2529	e86.who help-4
F2533	e87.who help-5
F2537	e88.who help-6
F2541	e89.who help-7
Wave 4 Helper:	
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
F2658	E158-2. HELPER OFTEN
F2659	E158A-2.HELPER PER WEEK
F2660	E158B-2.HELPER EVERY DAY
F2662	E159-2. HELPER HOURS
F2665	E162-2. HELPER PAID
Wave 5:	
G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4
G2831	e87.who help-5
G2835	e88.who help-6
G2839	e89.who help-7
Wave 5 Helper:	
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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HG013 chkpnt: count of hg001 through hg012  
 HG015 help w/dress  
 HG020 adl walk help  
 HG022 adl bathe help  
 HG024 adl eat help  
 HG029 adl bed help  
 HG031 adl toilet help  
 HG032\_1 who helps most- adl- 1  
 HG032\_2 who helps- adl- 2  
 HG032\_3 who helps- adl- 3  
 HG032\_4 who helps- adl- 4  
 HG032\_5 who helps- adl- 5  
 HG032\_6 who helps- adl- 6  
 HG032\_7 who helps- adl- 7

## Wave 6 Helper:

HADLNDX adl helper index  
 HG069 helper relationship  
 HG070 freq of help given- days in last month  
 HG071 freq of help given- days per week  
 HG072 did helper help every dy  
 HG073 #hrs of help  
 HG076 helper paid to help

## Wave 7:

JG013 chkpnt: count of jg001 through jg012  
 JG015 help w/dress  
 JG020 adl walk help  
 JG022 adl bathe help  
 JG024 adl eat help  
 JG029 adl bed help  
 JG031 adl toilet help  
 JG032\_1 who helps most- adl- 1  
 JG032\_2 who helps- adl- 2  
 JG032\_3 who helps- adl- 3  
 JG032\_4 who helps- adl- 4  
 JG032\_5 who helps- adl- 5  
 JG032\_6 who helps- adl- 6  
 JG032\_7 who helps- adl- 7

## Wave 7 Helper:

JADLNDX index connection to the adl table  
 JG069 helper relationship  
 JG070 freq of help given-days last month  
 JG071 # days helper helped  
 JG072 did helper help every dy  
 JG073 #hrs of help  
 JG076 helper given money to help

## Wave 8:

KG013 chkpnt: count of jg001 through jg012  
 KG015 help w/dress  
 KG020 adl walk help  
 KG022 adl bathe help  
 KG024 adl eat help  
 KG029 adl bed help  
 KG031 adl toilet help  
 KG032\_1 who helps most- adl- 1  
 KG032\_2 who helps- adl- 2  
 KG032\_3 who helps- adl- 3  
 KG032\_4 who helps- adl- 4  
 KG032\_5 who helps- adl- 5

KG032\_6           who helps- adl- 6  
 KG032\_7           who helps- adl- 7  
 Wave 8 Helper:  
   KADLNDX           index connection to the adl table  
   KG069            helper relationship  
   KG070            freq of help given-days last month  
   KG071            # days helper helped  
   KG072            did helper help every dy  
   KG073            #hrs of help  
   KG076            helper given money to help  
 Wave 9:  
   LG013            chkpnt: count of lg001 through lg012  
   LG015            help w/dress  
   LG020            adl walk help  
   LG022            adl bathe help  
   LG024            adl eat help  
   LG029            adl bed help  
   LG031            adl toilet help  
   LG032\_1          who helps most- adl- 1  
   LG032\_2          who helps- adl- 2  
   LG032\_3          who helps- adl- 3  
   LG032\_4          who helps- adl- 4  
   LG032\_5          who helps- adl- 5  
   LG032\_6          who helps- adl- 6  
   LG032\_7          who helps- adl- 7  
 Wave 9 Helper:  
   LADLNDX           index connection to the adl table  
   LG069            helper relationship  
   LG070            freq of help given-days last month  
   LG071            # days helper helped  
   LG072            did helper help every day  
   LG073            #hrs of help  
   LG076            helper given money to help  
 Wave 10:  
   MG013            chkpnt: count of mg001 through mg012  
   MG015            help w/dress  
   MG020            adl walk help  
   MG022            adl bathe help  
   MG024            adl eat help  
   MG029            adl bed help  
   MG031            adl toilet help  
   MG032\_1          who helps most- adl- 1  
   MG032\_2          who helps- adl- 2  
   MG032\_3          who helps- adl- 3  
   MG032\_4          who helps- adl- 4  
   MG032\_5          who helps- adl- 5  
   MG032\_6          who helps- adl- 6  
   MG032\_7          who helps- adl- 7  
 Wave 10 Helper:  
   MADLNDX           index connection to the adl table  
   MG069            helper relationship -1  
   MG070            freq of help given -1  
   MG071            # days helper helped -1  
   MG072            did helper help every dy -1  
   MG073            #hrs of help -1  
   MG076            helper given money to help -1  
 Wave 11:  
   NG013            chkpnt: count of ng001 through ng012  
   NG015            help w/dress  
   NG020            adl walk help  
   NG022            adl bathe help  
   NG024            adl eat help  
   NG029            adl bed help

NG031 adl toilet help  
NG032\_1 who helps most- adl- 1  
NG032\_2 who helps- adl- 2  
NG032\_3 who helps- adl- 3  
NG032\_4 who helps- adl- 4  
NG032\_5 who helps- adl- 5  
NG032\_6 who helps- adl- 6  
NG032\_7 who helps- adl- 7

Wave 11 Helper:  
NADLNDX index connection to the adl table  
NG069 helper relationship  
NG070 freq of help given  
NG071 # days helper helped  
NG072 did helper help every dy  
NG073 #hrs of help  
NG076 helper given money to help

Wave 12:  
OG013 chkpnt: count of g001 through g012  
OG015 help w/dress  
OG020 adl walk help  
OG022 adl bathe help  
OG024 adl eat help  
OG029 adl bed help  
OG031 adl toilet help  
OG032\_1 who helps most- adl- 1  
OG032\_2 who helps- adl- 2  
OG032\_3 who helps- adl- 3  
OG032\_4 who helps- adl- 4  
OG032\_5 who helps- adl- 5  
OG032\_6 who helps- adl- 6  
OG032\_7 who helps- adl- 7

Wave 12 Helper:  
OADLNDX index connection to the adl table  
OG069 helper relationship  
OG070 freq of help given  
OG071 # days helper helped  
OG072 did helper help every dy  
OG073 #hrs of help  
OG076 helper given money to help

Wave 13:  
PG013 chkpnt: count of g001 through g012  
PG015 help w/dress  
PG020 adl walk help  
PG022 adl bathe help  
PG024 adl eat help  
PG029 adl bed help  
PG031 adl toilet help  
PG032\_1 who helps most- adl- 1  
PG032\_2 who helps- adl- 2  
PG032\_3 who helps- adl- 3  
PG032\_4 who helps- adl- 4  
PG032\_5 who helps- adl- 5  
PG032\_6 who helps- adl- 6  
PG032\_7 who helps- adl- 7

Wave 13 Helper:  
PADLNDX index connection to the adl table  
PG069 helper relationship  
PG070 freq of help given  
PG071 # days helper helped  
PG072 did helper help every dy  
PG073 #hrs of help  
PG076 helper given money to help

Wave 14:

QG013           chkpnt: count of g001 through g012  
 QG015           help w/dress  
 QG020           adl walk help  
 QG022           adl bathe help  
 QG024           adl eat help  
 QG029           adl bed help  
 QG031           adl toilet help  
 QG032\_1         who helps most- adl- 1  
 QG032\_2         who helps- adl- 2  
 QG032\_3         who helps- adl- 3  
 QG032\_4         who helps- adl- 4  
 QG032\_5         who helps- adl- 5  
 QG032\_6         who helps- adl- 6  
 QG032\_7         who helps- adl- 7

## Wave 14 Helper:

QADLNDX         INDEX CONNECTION TO THE ADL TABLE  
 QG069           HELPER RELATIONSHIP  
 QG070           FREQ OF HELP GIVEN  
 QG071           # DAYS HELPER HELPED  
 QG072           DID HELPER HELP EVERY DY  
 QG073           #HRS OF HELP  
 QG076           HELPER GIVEN MONEY TO HELP

## Wave 15:

RG013           chkpnt: count of g001 through g012  
 RG015           help w/dress  
 RG020           adl walk help  
 RG022           adl bathe help  
 RG024           adl eat help  
 RG029           adl bed help  
 RG031           adl toilet help  
 RG032\_1         who helps most- adl- 1  
 RG032\_2         who helps- adl- 2  
 RG032\_3         who helps- adl- 3  
 RG032\_4         who helps- adl- 4  
 RG032\_5         who helps- adl- 5  
 RG032\_6         who helps- adl- 6  
 RG032\_7         who helps- adl- 7

## Wave 15 Helper:

RADLNDX         INDEX CONNECTION TO THE ADL TABLE  
 RG069           HELPER RELATIONSHIP  
 RG070           FREQ OF HELP GIVEN  
 RG071           # DAYS HELPER HELPED  
 RG072           DID HELPER HELP EVERY DY  
 RG073           #HRS OF HELP  
 RG076           HELPER GIVEN MONEY TO HELP

<b>Activities of Daily Living: Receives Informal Care from Children or Grandchildren</b>
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Wave	Variable	Label	Type
02	R2RACCARE	r2raccare:w2 r receives informal care from kids/grandkids fo	Categ
03	R3RACCARE	r3raccare:w3 r receives informal care from kids/grandkids fo	Categ
04	R4RACCARE	r4raccare:w4 r receives informal care from kids/grandkids fo	Categ
05	R5RACCARE	r5raccare:w5 r receives informal care from kids/grandkids fo	Categ
06	R6RACCARE	r6raccare:w6 r receives informal care from kids/grandkids fo	Categ
07	R7RACCARE	r7raccare:w7 r receives informal care from kids/grandkids fo	Categ
08	R8RACCARE	r8raccare:w8 r receives informal care from kids/grandkids fo	Categ
09	R9RACCARE	r9raccare:w9 r receives informal care from kids/grandkids fo	Categ
10	R10RACCARE	r10raccare:w10 r receives informal care from kids/grandkids	Categ
11	R11RACCARE	r11raccare:w11 r receives informal care from kids/grandkids	Categ
12	R12RACCARE	r12raccare:w12 r receives informal care from kids/grandkids	Categ
13	R13RACCARE	r13raccare:w13 r receives informal care from kids/grandkids	Categ
14	R14RACCARE	r14raccare:w14 r receives informal care from kids/grandkids	Categ
15	R15RACCARE	r15raccare:w15 r receives informal care from kids/grandkids	Categ
02	S2RACCARE	s2raccare:w2 s receives informal care from kids/grandkids fo	Categ
03	S3RACCARE	s3raccare:w3 s receives informal care from kids/grandkids fo	Categ
04	S4RACCARE	s4raccare:w4 s receives informal care from kids/grandkids fo	Categ
05	S5RACCARE	s5raccare:w5 s receives informal care from kids/grandkids fo	Categ
06	S6RACCARE	s6raccare:w6 s receives informal care from kids/grandkids fo	Categ
07	S7RACCARE	s7raccare:w7 s receives informal care from kids/grandkids fo	Categ
08	S8RACCARE	s8raccare:w8 s receives informal care from kids/grandkids fo	Categ
09	S9RACCARE	s9raccare:w9 s receives informal care from kids/grandkids fo	Categ
10	S10RACCARE	s10raccare:w10 s receives informal care from kids/grandkids	Categ
11	S11RACCARE	s11raccare:w11 s receives informal care from kids/grandkids	Categ
12	S12RACCARE	s12raccare:w12 s receives informal care from kids/grandkids	Categ
13	S13RACCARE	s13raccare:w13 s receives informal care from kids/grandkids	Categ
14	S14RACCARE	s14raccare:w14 s receives informal care from kids/grandkids	Categ
15	S15RACCARE	s15raccare:w15 s receives informal care from kids/grandkids	Categ
02	R2RACCAREN	r2raccaren:w2 # kids/grandkids who help r with adls	Cont
03	R3RACCAREN	r3raccaren:w3 # kids/grandkids who help r with adls	Cont
04	R4RACCAREN	r4raccaren:w4 # kids/grandkids who help r with adls	Cont
05	R5RACCAREN	r5raccaren:w5 # kids/grandkids who help r with adls	Cont
06	R6RACCAREN	r6raccaren:w6 # kids/grandkids who help r with adls	Cont
07	R7RACCAREN	r7raccaren:w7 # kids/grandkids who help r with adls	Cont
08	R8RACCAREN	r8raccaren:w8 # kids/grandkids who help r with adls	Cont
09	R9RACCAREN	r9raccaren:w9 # kids/grandkids who help r with adls	Cont
10	R10RACCAREN	r10raccaren:w10 # kids/grandkids who help r with adls	Cont
11	R11RACCAREN	r11raccaren:w11 # kids/grandkids who help r with adls	Cont
12	R12RACCAREN	r12raccaren:w12 # kids/grandkids who help r with adls	Cont
13	R13RACCAREN	r13raccaren:w13 # kids/grandkids who help r with adls	Cont
14	R14RACCAREN	r14raccaren:w14 # kids/grandkids who help r with adls	Cont
15	R15RACCAREN	r15raccaren:w15 # kids/grandkids who help r with adls	Cont
02	S2RACCAREN	s2raccaren:w2 # kids/grandkids who help s with adls	Cont
03	S3RACCAREN	s3raccaren:w3 # kids/grandkids who help s with adls	Cont
04	S4RACCAREN	s4raccaren:w4 # kids/grandkids who help s with adls	Cont
05	S5RACCAREN	s5raccaren:w5 # kids/grandkids who help s with adls	Cont
06	S6RACCAREN	s6raccaren:w6 # kids/grandkids who help s with adls	Cont
07	S7RACCAREN	s7raccaren:w7 # kids/grandkids who help s with adls	Cont
08	S8RACCAREN	s8raccaren:w8 # kids/grandkids who help s with adls	Cont
09	S9RACCAREN	s9raccaren:w9 # kids/grandkids who help s with adls	Cont
10	S10RACCAREN	s10raccaren:w10 # kids/grandkids who help s with adls	Cont
11	S11RACCAREN	s11raccaren:w11 # kids/grandkids who help s with adls	Cont
12	S12RACCAREN	s12raccaren:w12 # kids/grandkids who help s with adls	Cont
13	S13RACCAREN	s13raccaren:w13 # kids/grandkids who help s with adls	Cont

14	S14RACCAREN	s14raccaren:w14 # kids/grandkids who help s with adls	Cont
15	S15RACCAREN	s15raccaren:w15 # kids/grandkids who help s with adls	Cont
03	R3RACCAREDPM	r3raccaredpm:w3 days/month kids/grandkids help r with adls	Cont
04	R4RACCAREDPM	r4raccaredpm:w4 days/month kids/grandkids help r with adls	Cont
05	R5RACCAREDPM	r5raccaredpm:w5 days/month kids/grandkids help r with adls	Cont
06	R6RACCAREDPM	r6raccaredpm:w6 days/month kids/grandkids help r with adls	Cont
07	R7RACCAREDPM	r7raccaredpm:w7 days/month kids/grandkids help r with adls	Cont
08	R8RACCAREDPM	r8raccaredpm:w8 days/month kids/grandkids help r with adls	Cont
09	R9RACCAREDPM	r9raccaredpm:w9 days/month kids/grandkids help r with adls	Cont
10	R10RACCAREDPM	r10raccaredpm:w10 days/month kids/grandkids help r with adls	Cont
11	R11RACCAREDPM	r11raccaredpm:w11 days/month kids/grandkids help r with adls	Cont
12	R12RACCAREDPM	r12raccaredpm:w12 days/month kids/grandkids help r with adls	Cont
13	R13RACCAREDPM	r13raccaredpm:w13 days/month kids/grandkids help r with adls	Cont
14	R14RACCAREDPM	r14raccaredpm:w14 days/month kids/grandkids help r with adls	Cont
15	R15RACCAREDPM	r15raccaredpm:w15 days/month kids/grandkids help r with adls	Cont
03	S3RACCAREDPM	s3raccaredpm:w3 days/month kids/grandkids help s with adls	Cont
04	S4RACCAREDPM	s4raccaredpm:w4 days/month kids/grandkids help s with adls	Cont
05	S5RACCAREDPM	s5raccaredpm:w5 days/month kids/grandkids help s with adls	Cont
06	S6RACCAREDPM	s6raccaredpm:w6 days/month kids/grandkids help s with adls	Cont
07	S7RACCAREDPM	s7raccaredpm:w7 days/month kids/grandkids help s with adls	Cont
08	S8RACCAREDPM	s8raccaredpm:w8 days/month kids/grandkids help s with adls	Cont
09	S9RACCAREDPM	s9raccaredpm:w9 days/month kids/grandkids help s with adls	Cont
10	S10RACCAREDPM	s10raccaredpm:w10 days/month kids/grandkids help s with adls	Cont
11	S11RACCAREDPM	s11raccaredpm:w11 days/month kids/grandkids help s with adls	Cont
12	S12RACCAREDPM	s12raccaredpm:w12 days/month kids/grandkids help s with adls	Cont
13	S13RACCAREDPM	s13raccaredpm:w13 days/month kids/grandkids help s with adls	Cont
14	S14RACCAREDPM	s14raccaredpm:w14 days/month kids/grandkids help s with adls	Cont
15	S15RACCAREDPM	s15raccaredpm:w15 days/month kids/grandkids help s with adls	Cont
03	R3RACCAREDPMM	r3raccaredpmm:w3 r # kids/grandkids missing days of help for	Cont
04	R4RACCAREDPMM	r4raccaredpmm:w4 r # kids/grandkids missing days of help for	Cont
05	R5RACCAREDPMM	r5raccaredpmm:w5 r # kids/grandkids missing days of help for	Cont
06	R6RACCAREDPMM	r6raccaredpmm:w6 r # kids/grandkids missing days of help for	Cont
07	R7RACCAREDPMM	r7raccaredpmm:w7 r # kids/grandkids missing days of help for	Cont
08	R8RACCAREDPMM	r8raccaredpmm:w8 r # kids/grandkids missing days of help for	Cont
09	R9RACCAREDPMM	r9raccaredpmm:w9 r # kids/grandkids missing days of help for	Cont
10	R10RACCAREDPMM	r10raccaredpmm:w10 r # kids/grandkids missing days of help f	Cont
11	R11RACCAREDPMM	r11raccaredpmm:w11 r # kids/grandkids missing days of help f	Cont
12	R12RACCAREDPMM	r12raccaredpmm:w12 r # kids/grandkids missing days of help f	Cont
13	R13RACCAREDPMM	r13raccaredpmm:w13 r # kids/grandkids missing days of help f	Cont
14	R14RACCAREDPMM	r14raccaredpmm:w14 r # kids/grandkids missing days of help f	Cont
15	R15RACCAREDPMM	r15raccaredpmm:w15 r # kids/grandkids missing days of help f	Cont
03	S3RACCAREDPMM	s3raccaredpmm:w3 s # kids/grandkids missing days of help for	Cont
04	S4RACCAREDPMM	s4raccaredpmm:w4 s # kids/grandkids missing days of help for	Cont
05	S5RACCAREDPMM	s5raccaredpmm:w5 s # kids/grandkids missing days of help for	Cont
06	S6RACCAREDPMM	s6raccaredpmm:w6 s # kids/grandkids missing days of help for	Cont
07	S7RACCAREDPMM	s7raccaredpmm:w7 s # kids/grandkids missing days of help for	Cont
08	S8RACCAREDPMM	s8raccaredpmm:w8 s # kids/grandkids missing days of help for	Cont
09	S9RACCAREDPMM	s9raccaredpmm:w9 s # kids/grandkids missing days of help for	Cont
10	S10RACCAREDPMM	s10raccaredpmm:w10 s # kids/grandkids missing days of help f	Cont
11	S11RACCAREDPMM	s11raccaredpmm:w11 s # kids/grandkids missing days of help f	Cont
12	S12RACCAREDPMM	s12raccaredpmm:w12 s # kids/grandkids missing days of help f	Cont
13	S13RACCAREDPMM	s13raccaredpmm:w13 s # kids/grandkids missing days of help f	Cont
14	S14RACCAREDPMM	s14raccaredpmm:w14 s # kids/grandkids missing days of help f	Cont
15	S15RACCAREDPMM	s15raccaredpmm:w15 s # kids/grandkids missing days of help f	Cont
02	R2RACCAREHR	r2raccarehr:w2 hours/day kids/grandkids help r with adls	Cont
03	R3RACCAREHR	r3raccarehr:w3 hours/day kids/grandkids help r with adls	Cont
04	R4RACCAREHR	r4raccarehr:w4 hours/day kids/grandkids help r with adls	Cont
05	R5RACCAREHR	r5raccarehr:w5 hours/day kids/grandkids help r with adls	Cont



06	R6RACCAREHR	r6raccarehr:w6 hours/day kids/grandkids help r with adls	Cont
07	R7RACCAREHR	r7raccarehr:w7 hours/day kids/grandkids help r with adls	Cont
08	R8RACCAREHR	r8raccarehr:w8 hours/day kids/grandkids help r with adls	Cont
09	R9RACCAREHR	r9raccarehr:w9 hours/day kids/grandkids help r with adls	Cont
10	R10RACCAREHR	r10raccarehr:w10 hours/day kids/grandkids help r with adls	Cont
11	R11RACCAREHR	r11raccarehr:w11 hours/day kids/grandkids help r with adls	Cont
12	R12RACCAREHR	r12raccarehr:w12 hours/day kids/grandkids help r with adls	Cont
13	R13RACCAREHR	r13raccarehr:w13 hours/day kids/grandkids help r with adls	Cont
14	R14RACCAREHR	r14raccarehr:w14 hours/day kids/grandkids help r with adls	Cont
15	R15RACCAREHR	r15raccarehr:w15 hours/day kids/grandkids help r with adls	Cont
02	S2RACCAREHR	s2raccarehr:w2 hours/day kids/grandkids help s with adls	Cont
03	S3RACCAREHR	s3raccarehr:w3 hours/day kids/grandkids help s with adls	Cont
04	S4RACCAREHR	s4raccarehr:w4 hours/day kids/grandkids help s with adls	Cont
05	S5RACCAREHR	s5raccarehr:w5 hours/day kids/grandkids help s with adls	Cont
06	S6RACCAREHR	s6raccarehr:w6 hours/day kids/grandkids help s with adls	Cont
07	S7RACCAREHR	s7raccarehr:w7 hours/day kids/grandkids help s with adls	Cont
08	S8RACCAREHR	s8raccarehr:w8 hours/day kids/grandkids help s with adls	Cont
09	S9RACCAREHR	s9raccarehr:w9 hours/day kids/grandkids help s with adls	Cont
10	S10RACCAREHR	s10raccarehr:w10 hours/day kids/grandkids help s with adls	Cont
11	S11RACCAREHR	s11raccarehr:w11 hours/day kids/grandkids help s with adls	Cont
12	S12RACCAREHR	s12raccarehr:w12 hours/day kids/grandkids help s with adls	Cont
13	S13RACCAREHR	s13raccarehr:w13 hours/day kids/grandkids help s with adls	Cont
14	S14RACCAREHR	s14raccarehr:w14 hours/day kids/grandkids help s with adls	Cont
15	S15RACCAREHR	s15raccarehr:w15 hours/day kids/grandkids help s with adls	Cont
02	R2RACCAREHRM	r2raccarehrm:w2 r # kids/grandkids missing hours of help for	Cont
03	R3RACCAREHRM	r3raccarehrm:w3 r # kids/grandkids missing hours of help for	Cont
04	R4RACCAREHRM	r4raccarehrm:w4 r # kids/grandkids missing hours of help for	Cont
05	R5RACCAREHRM	r5raccarehrm:w5 r # kids/grandkids missing hours of help for	Cont
06	R6RACCAREHRM	r6raccarehrm:w6 r # kids/grandkids missing hours of help for	Cont
07	R7RACCAREHRM	r7raccarehrm:w7 r # kids/grandkids missing hours of help for	Cont
08	R8RACCAREHRM	r8raccarehrm:w8 r # kids/grandkids missing hours of help for	Cont
09	R9RACCAREHRM	r9raccarehrm:w9 r # kids/grandkids missing hours of help for	Cont
10	R10RACCAREHRM	r10raccarehrm:w10 r # kids/grandkids missing hours of help f	Cont
11	R11RACCAREHRM	r11raccarehrm:w11 r # kids/grandkids missing hours of help f	Cont
12	R12RACCAREHRM	r12raccarehrm:w12 r # kids/grandkids missing hours of help f	Cont
13	R13RACCAREHRM	r13raccarehrm:w13 r # kids/grandkids missing hours of help f	Cont
14	R14RACCAREHRM	r14raccarehrm:w14 r # kids/grandkids missing hours of help f	Cont
15	R15RACCAREHRM	r15raccarehrm:w15 r # kids/grandkids missing hours of help f	Cont
02	S2RACCAREHRM	s2raccarehrm:w2 s # kids/grandkids missing hours of help for	Cont
03	S3RACCAREHRM	s3raccarehrm:w3 s # kids/grandkids missing hours of help for	Cont
04	S4RACCAREHRM	s4raccarehrm:w4 s # kids/grandkids missing hours of help for	Cont
05	S5RACCAREHRM	s5raccarehrm:w5 s # kids/grandkids missing hours of help for	Cont
06	S6RACCAREHRM	s6raccarehrm:w6 s # kids/grandkids missing hours of help for	Cont
07	S7RACCAREHRM	s7raccarehrm:w7 s # kids/grandkids missing hours of help for	Cont
08	S8RACCAREHRM	s8raccarehrm:w8 s # kids/grandkids missing hours of help for	Cont
09	S9RACCAREHRM	s9raccarehrm:w9 s # kids/grandkids missing hours of help for	Cont
10	S10RACCAREHRM	s10raccarehrm:w10 s # kids/grandkids missing hours of help f	Cont
11	S11RACCAREHRM	s11raccarehrm:w11 s # kids/grandkids missing hours of help f	Cont
12	S12RACCAREHRM	s12raccarehrm:w12 s # kids/grandkids missing hours of help f	Cont
13	S13RACCAREHRM	s13raccarehrm:w13 s # kids/grandkids missing hours of help f	Cont
14	S14RACCAREHRM	s14raccarehrm:w14 s # kids/grandkids missing hours of help f	Cont
15	S15RACCAREHRM	s15raccarehrm:w15 s # kids/grandkids missing hours of help f	Cont
02	R2RACCAREPD	r2raccarepd:w2 any kids/grandkids paid for care given to r f	Categ
03	R3RACCAREPD	r3raccarepd:w3 any kids/grandkids paid for care given to r f	Categ
04	R4RACCAREPD	r4raccarepd:w4 any kids/grandkids paid for care given to r f	Categ
05	R5RACCAREPD	r5raccarepd:w5 any kids/grandkids paid for care given to r f	Categ
06	R6RACCAREPD	r6raccarepd:w6 any kids/grandkids paid for care given to r f	Categ
07	R7RACCAREPD	r7raccarepd:w7 any kids/grandkids paid for care given to r f	Categ
08	R8RACCAREPD	r8raccarepd:w8 any kids/grandkids paid for care given to r f	Categ

09	R9RACCAREPD	r9raccarepd:w9 any kids/grandkids paid for care given to r f	Categ
10	R10RACCAREPD	r10raccarepd:w10 any kids/grandkids paid for care given to r	Categ
11	R11RACCAREPD	r11raccarepd:w11 any kids/grandkids paid for care given to r	Categ
12	R12RACCAREPD	r12raccarepd:w12 any kids/grandkids paid for care given to r	Categ
13	R13RACCAREPD	r13raccarepd:w13 any kids/grandkids paid for care given to r	Categ
14	R14RACCAREPD	r14raccarepd:w14 any kids/grandkids paid for care given to r	Categ
15	R15RACCAREPD	r15raccarepd:w15 any kids/grandkids paid for care given to r	Categ
02	S2RACCAREPD	s2raccarepd:w2 any kids/grandkids paid for care given to s f	Categ
03	S3RACCAREPD	s3raccarepd:w3 any kids/grandkids paid for care given to s f	Categ
04	S4RACCAREPD	s4raccarepd:w4 any kids/grandkids paid for care given to s f	Categ
05	S5RACCAREPD	s5raccarepd:w5 any kids/grandkids paid for care given to s f	Categ
06	S6RACCAREPD	s6raccarepd:w6 any kids/grandkids paid for care given to s f	Categ
07	S7RACCAREPD	s7raccarepd:w7 any kids/grandkids paid for care given to s f	Categ
08	S8RACCAREPD	s8raccarepd:w8 any kids/grandkids paid for care given to s f	Categ
09	S9RACCAREPD	s9raccarepd:w9 any kids/grandkids paid for care given to s f	Categ
10	S10RACCAREPD	s10raccarepd:w10 any kids/grandkids paid for care given to s	Categ
11	S11RACCAREPD	s11raccarepd:w11 any kids/grandkids paid for care given to s	Categ
12	S12RACCAREPD	s12raccarepd:w12 any kids/grandkids paid for care given to s	Categ
13	S13RACCAREPD	s13raccarepd:w13 any kids/grandkids paid for care given to s	Categ
14	S14RACCAREPD	s14raccarepd:w14 any kids/grandkids paid for care given to s	Categ
15	S15RACCAREPD	s15raccarepd:w15 any kids/grandkids paid for care given to s	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RACCARE	659	0.28	0.45	0.00	1.00
R3RACCARE	1558	0.36	0.48	0.00	1.00
R4RACCARE	1722	0.35	0.48	0.00	1.00
R5RACCARE	1650	0.33	0.47	0.00	1.00
R6RACCARE	1638	0.36	0.48	0.00	1.00
R7RACCARE	1723	0.37	0.48	0.00	1.00
R8RACCARE	1658	0.36	0.48	0.00	1.00
R9RACCARE	1577	0.35	0.48	0.00	1.00
R10RACCARE	2150	0.43	0.49	0.00	1.00
R11RACCARE	2041	0.43	0.49	0.00	1.00
R12RACCARE	1971	0.44	0.50	0.00	1.00
R13RACCARE	2053	0.47	0.50	0.00	1.00
R14RACCARE	1553	0.43	0.49	0.00	1.00
R15RACCARE	1245	0.44	0.50	0.00	1.00
S2RACCARE	293	0.11	0.32	0.00	1.00
S3RACCARE	778	0.22	0.42	0.00	1.00
S4RACCARE	851	0.22	0.42	0.00	1.00
S5RACCARE	791	0.19	0.39	0.00	1.00
S6RACCARE	760	0.22	0.41	0.00	1.00
S7RACCARE	800	0.23	0.42	0.00	1.00
S8RACCARE	804	0.22	0.42	0.00	1.00
S9RACCARE	693	0.19	0.39	0.00	1.00
S10RACCARE	1025	0.27	0.44	0.00	1.00
S11RACCARE	930	0.30	0.46	0.00	1.00
S12RACCARE	890	0.30	0.46	0.00	1.00
S13RACCARE	896	0.32	0.47	0.00	1.00
S14RACCARE	698	0.27	0.44	0.00	1.00
S15RACCARE	542	0.28	0.45	0.00	1.00
R2RACCAREN	659	0.29	0.49	0.00	2.00
R3RACCAREN	1558	0.54	0.91	0.00	7.00
R4RACCAREN	1722	0.69	1.24	0.00	12.00
R5RACCAREN	1650	0.58	1.06	0.00	14.00
R6RACCAREN	1638	0.55	0.90	0.00	7.00
R7RACCAREN	1723	0.58	0.94	0.00	7.00

R8RACCAREN	1658	0.57	0.97	0.00	7.00
R9RACCAREN	1577	0.55	0.96	0.00	7.00
R10RACCAREN	2150	0.70	1.03	0.00	6.00
R11RACCAREN	2041	0.70	1.06	0.00	7.00
R12RACCAREN	1971	0.74	1.07	0.00	6.00
R13RACCAREN	2053	0.76	1.06	0.00	7.00
R14RACCAREN	1553	0.68	1.01	0.00	7.00
R15RACCAREN	1245	0.70	1.04	0.00	7.00
S2RACCAREN	293	0.13	0.37	0.00	2.00
S3RACCAREN	778	0.34	0.81	0.00	7.00
S4RACCAREN	851	0.47	1.17	0.00	12.00
S5RACCAREN	791	0.29	0.73	0.00	7.00
S6RACCAREN	760	0.32	0.72	0.00	6.00
S7RACCAREN	800	0.36	0.76	0.00	5.00
S8RACCAREN	804	0.35	0.81	0.00	6.00
S9RACCAREN	693	0.30	0.78	0.00	7.00
S10RACCAREN	1025	0.44	0.86	0.00	6.00
S11RACCAREN	930	0.48	0.93	0.00	6.00
S12RACCAREN	890	0.51	0.96	0.00	6.00
S13RACCAREN	896	0.51	0.96	0.00	7.00
S14RACCAREN	698	0.41	0.80	0.00	5.00
S15RACCAREN	542	0.44	0.88	0.00	7.00
R3RACCAREDPM	1553	10.88	19.24	0.00	124.00
R4RACCAREDPM	1687	10.60	20.43	0.00	152.00
R5RACCAREDPM	1626	9.96	21.64	0.00	420.00
R6RACCAREDPM	1633	9.75	18.08	0.00	120.00
R7RACCAREDPM	1713	9.41	17.90	0.00	150.00
R8RACCAREDPM	1651	10.00	18.63	0.00	124.00
R9RACCAREDPM	1568	8.95	17.66	0.00	155.00
R10RACCAREDPM	2134	10.43	18.39	0.00	186.00
R11RACCAREDPM	2020	10.63	19.15	0.00	155.00
R12RACCAREDPM	1950	10.56	18.35	0.00	155.00
R13RACCAREDPM	2039	10.69	18.01	0.00	156.00
R14RACCAREDPM	1533	10.16	17.35	0.00	124.00
R15RACCAREDPM	1235	10.70	18.58	0.00	124.00
S3RACCAREDPM	777	5.71	14.44	0.00	124.00
S4RACCAREDPM	840	6.16	16.04	0.00	124.00
S5RACCAREDPM	782	4.37	12.03	0.00	93.00
S6RACCAREDPM	759	4.77	13.09	0.00	120.00
S7RACCAREDPM	798	4.29	12.37	0.00	120.00
S8RACCAREDPM	803	5.23	13.91	0.00	124.00
S9RACCAREDPM	690	3.55	11.34	0.00	124.00
S10RACCAREDPM	1023	5.44	13.53	0.00	124.00
S11RACCAREDPM	922	6.20	15.19	0.00	124.00
S12RACCAREDPM	883	5.97	14.93	0.00	155.00
S13RACCAREDPM	894	6.05	14.26	0.00	124.00
S14RACCAREDPM	691	5.10	12.45	0.00	90.00
S15RACCAREDPM	540	5.72	14.16	0.00	120.00
R3RACCAREDPMM	1558	0.01	0.08	0.00	2.00
R4RACCAREDPMM	1722	0.03	0.38	0.00	10.00
R5RACCAREDPMM	1650	0.02	0.16	0.00	3.00
R6RACCAREDPMM	1638	0.01	0.08	0.00	2.00
R7RACCAREDPMM	1723	0.01	0.15	0.00	4.00
R8RACCAREDPMM	1658	0.01	0.17	0.00	5.00
R9RACCAREDPMM	1577	0.01	0.13	0.00	3.00
R10RACCAREDPMM	2150	0.01	0.12	0.00	2.00
R11RACCAREDPMM	2041	0.02	0.17	0.00	2.00
R12RACCAREDPMM	1971	0.02	0.21	0.00	4.00
R13RACCAREDPMM	2053	0.02	0.17	0.00	4.00

R14RACCAREDPMM	1553	0.02	0.14	0.00	2.00
R15RACCAREDPMM	1245	0.02	0.15	0.00	2.00
S3RACCAREDPMM	778	0.00	0.05	0.00	1.00
S4RACCAREDPMM	851	0.03	0.45	0.00	10.00
S5RACCAREDPMM	791	0.01	0.08	0.00	1.00
S6RACCAREDPMM	760	0.00	0.04	0.00	1.00
S7RACCAREDPMM	800	0.00	0.06	0.00	1.00
S8RACCAREDPMM	804	0.00	0.04	0.00	1.00
S9RACCAREDPMM	693	0.01	0.10	0.00	2.00
S10RACCAREDPMM	1025	0.00	0.04	0.00	1.00
S11RACCAREDPMM	930	0.01	0.13	0.00	2.00
S12RACCAREDPMM	890	0.02	0.19	0.00	4.00
S13RACCAREDPMM	896	0.02	0.20	0.00	4.00
S14RACCAREDPMM	698	0.01	0.14	0.00	2.00
S15RACCAREDPMM	542	0.01	0.11	0.00	2.00
R2RACCAREHR	645	2.01	5.00	0.00	24.00
R3RACCAREHR	1526	2.53	6.53	0.00	74.00
R4RACCAREHR	1675	2.78	7.61	0.00	96.00
R5RACCAREHR	1610	2.33	6.34	0.00	88.00
R6RACCAREHR	1594	2.53	7.05	0.00	138.00
R7RACCAREHR	1666	2.45	6.23	0.00	81.00
R8RACCAREHR	1616	2.48	6.59	0.00	96.00
R9RACCAREHR	1525	2.48	6.32	0.00	53.00
R10RACCAREHR	2067	2.54	5.48	0.00	50.00
R11RACCAREHR	1964	2.71	6.25	0.00	60.00
R12RACCAREHR	1877	2.66	5.63	0.00	57.00
R13RACCAREHR	1956	2.88	6.72	0.00	90.00
R14RACCAREHR	1503	2.87	6.18	0.00	49.00
R15RACCAREHR	1197	3.04	7.09	0.00	52.00
S2RACCAREHR	292	0.76	2.94	0.00	24.00
S3RACCAREHR	766	1.12	4.46	0.00	74.00
S4RACCAREHR	838	1.62	5.53	0.00	74.00
S5RACCAREHR	778	1.03	3.65	0.00	48.00
S6RACCAREHR	751	1.15	3.81	0.00	40.00
S7RACCAREHR	781	1.34	4.43	0.00	48.00
S8RACCAREHR	794	1.13	4.59	0.00	96.00
S9RACCAREHR	673	1.05	3.90	0.00	42.00
S10RACCAREHR	999	1.30	4.00	0.00	50.00
S11RACCAREHR	906	1.50	4.55	0.00	56.00
S12RACCAREHR	854	1.39	3.59	0.00	40.00
S13RACCAREHR	865	1.32	3.70	0.00	44.00
S14RACCAREHR	682	1.34	3.52	0.00	34.00
S15RACCAREHR	529	1.34	4.11	0.00	38.00
R2RACCAREHRM	659	0.02	0.16	0.00	2.00
R3RACCAREHRM	1558	0.04	0.20	0.00	2.00
R4RACCAREHRM	1722	0.08	0.49	0.00	10.00
R5RACCAREHRM	1650	0.07	0.34	0.00	4.00
R6RACCAREHRM	1638	0.05	0.26	0.00	2.00
R7RACCAREHRM	1723	0.08	0.39	0.00	5.00
R8RACCAREHRM	1658	0.06	0.32	0.00	5.00
R9RACCAREHRM	1577	0.07	0.35	0.00	6.00
R10RACCAREHRM	2150	0.09	0.37	0.00	4.00
R11RACCAREHRM	2041	0.09	0.35	0.00	3.00
R12RACCAREHRM	1971	0.11	0.43	0.00	5.00
R13RACCAREHRM	2053	0.10	0.39	0.00	6.00
R14RACCAREHRM	1553	0.07	0.35	0.00	6.00
R15RACCAREHRM	1245	0.10	0.39	0.00	5.00
S2RACCAREHRM	293	0.00	0.06	0.00	1.00

S3RACCAREHRM	778	0.03	0.20	0.00	2.00
S4RACCAREHRM	851	0.06	0.51	0.00	10.00
S5RACCAREHRM	791	0.04	0.26	0.00	3.00
S6RACCAREHRM	760	0.03	0.18	0.00	2.00
S7RACCAREHRM	800	0.05	0.28	0.00	3.00
S8RACCAREHRM	804	0.03	0.20	0.00	3.00
S9RACCAREHRM	693	0.06	0.34	0.00	6.00
S10RACCAREHRM	1025	0.06	0.31	0.00	4.00
S11RACCAREHRM	930	0.06	0.28	0.00	3.00
S12RACCAREHRM	890	0.08	0.35	0.00	5.00
S13RACCAREHRM	896	0.09	0.40	0.00	6.00
S14RACCAREHRM	698	0.04	0.27	0.00	4.00
S15RACCAREHRM	542	0.04	0.24	0.00	2.00
R2RACCAREPD	652	0.02	0.15	0.00	1.00
R3RACCAREPD	1540	0.02	0.13	0.00	1.00
R4RACCAREPD	1696	0.02	0.13	0.00	1.00
R5RACCAREPD	1632	0.03	0.16	0.00	1.00
R6RACCAREPD	1612	0.02	0.15	0.00	1.00
R7RACCAREPD	1693	0.03	0.17	0.00	1.00
R8RACCAREPD	1637	0.03	0.16	0.00	1.00
R9RACCAREPD	1547	0.03	0.17	0.00	1.00
R10RACCAREPD	2100	0.05	0.21	0.00	1.00
R11RACCAREPD	1991	0.05	0.21	0.00	1.00
R12RACCAREPD	1908	0.05	0.21	0.00	1.00
R13RACCAREPD	2001	0.05	0.23	0.00	1.00
R14RACCAREPD	1524	0.07	0.25	0.00	1.00
R15RACCAREPD	1217	0.07	0.26	0.00	1.00
S2RACCAREPD	292	0.01	0.12	0.00	1.00
S3RACCAREPD	768	0.01	0.11	0.00	1.00
S4RACCAREPD	845	0.01	0.11	0.00	1.00
S5RACCAREPD	783	0.02	0.15	0.00	1.00
S6RACCAREPD	753	0.02	0.13	0.00	1.00
S7RACCAREPD	786	0.03	0.17	0.00	1.00
S8RACCAREPD	798	0.02	0.14	0.00	1.00
S9RACCAREPD	681	0.01	0.12	0.00	1.00
S10RACCAREPD	1003	0.03	0.17	0.00	1.00
S11RACCAREPD	913	0.03	0.16	0.00	1.00
S12RACCAREPD	862	0.04	0.20	0.00	1.00
S13RACCAREPD	877	0.04	0.20	0.00	1.00
S14RACCAREPD	686	0.05	0.21	0.00	1.00
S15RACCAREPD	533	0.05	0.23	0.00	1.00

### Categorical Variable Codes

Value-----	R2RACCARE	R3RACCARE	R4RACCARE	R5RACCARE
.d:DK	1	1	3	1
.f:infrequent care	252			
.h:no help received	870	1776	2090	1976
.m:Missing	3	39	28	1
.q:not asked this wave	11595			
.r:Refuse		2		3
.x:no difficulties	6437	14615	17541	15947
0.no	474	1001	1119	1103
1.yes	185	557	603	547

Value-----	R6RACCARE	R7RACCARE	R8RACCARE	R9RACCARE	R10RACCARE
.d:DK				1	2
.h:no help received	1804	1840	1972	1777	2114
.m:Missing	7	10	8	2	2
.r:Refuse	1		1		
.x:no difficulties	14715	16556	14830	13860	17766
0.no	1045	1085	1056	1031	1235
1.yes	593	638	602	546	915

Value-----	R11RACCARE	R12RACCARE	R13RACCARE	R14RACCARE	R15RACCARE
.d:DK	2	3		23	26
.h:no help received	1931	1882	1966	1699	1996
.m:Missing	1	1			6
.r:Refuse	1			7	6
.x:no difficulties	16578	14890	16893	13864	12444
0.no	1168	1094	1086	889	697
1.yes	873	877	967	664	548
Value-----		S2RACCARE	S3RACCARE	S4RACCARE	S5RACCARE
.f:infrequent care		110			
.h:no help received		340	884	1034	999
.m:Missing		2	12	7	
.q:not asked this wave		8738			
.r:Refuse					1
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:no difficulties		3605	10242	12086	10939
0.no		260	606	660	640
1.yes		33	172	191	151
Value-----	S6RACCARE	S7RACCARE	S8RACCARE	S9RACCARE	S10RACCARE
.d:DK				1	
.h:no help received	838	861	924	803	961
.m:Missing	3	1	1	2	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10031	11306	9999	9141	11522
0.no	594	613	624	561	748
1.yes	166	187	180	132	277
Value-----	S11RACCARE	S12RACCARE	S13RACCARE	S14RACCARE	S15RACCARE
.d:DK	1			2	8
.h:no help received	900	815	816	648	894
.m:Missing					1
.r:Refuse				2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10645	9307	10066	8008	7020
0.no	652	622	611	513	389
1.yes	278	268	285	185	153
Value-----		R2RACCAREPD	R3RACCAREPD	R4RACCAREPD	R5RACCAREPD
.d:DK		1	3	4	1
.f:infrequent care		252			
.h:no help received		870	1776	2090	1976
.m:Missing		4	54	53	19
.q:not asked this wave		11595			
.r:Refuse			3		3
.w:less than weekly help		6			
.x:no difficulties		6437	14615	17541	15947
0.no		636	1515	1665	1590
1.yes		16	25	31	42
Value-----	R6RACCAREPD	R7RACCAREPD	R8RACCAREPD	R9RACCAREPD	R10RACCAREPD
.d:DK	2	1		3	11
.h:no help received	1804	1840	1972	1777	2114
.m:Missing	31	39	28	28	42
.r:Refuse	1		2	2	1
.x:no difficulties	14715	16556	14830	13860	17766
0.no	1577	1645	1592	1501	2000
1.yes	35	48	45	46	100
Value-----	R11RACCAREPD	R12RACCAREPD	R13RACCAREPD	R14RACCAREPD	R15RACCAREPD
.d:DK	21	19	12	25	28
.h:no help received	1931	1882	1966	1699	1996
.m:Missing	28	41	34	26	30
.r:Refuse	5	7	6	8	8
.x:no difficulties	16578	14890	16893	13864	12444
0.no	1901	1819	1892	1422	1131
1.yes	90	89	109	102	86
Value-----		S2RACCAREPD	S3RACCAREPD	S4RACCAREPD	S5RACCAREPD
.f:infrequent care		110			
.h:no help received		340	884	1034	999

.m:Missing			2	21	13	8
.q:not asked this wave			8738			
.r:Refuse				1		1
.u:not coupled			5976	5659	6870	6537
.v:SP NR			578	416	536	311
.w:less than weekly help			1			
.x:no difficulties			3605	10242	12086	10939
0.no			288	758	835	766
1.yes			4	10	10	17
Value-----		S6RACCAREPD	S7RACCAREPD	S8RACCAREPD	S9RACCAREPD	S10RACCAREPD
.d:DK					2	4
.h:no help received		838	861	924	803	961
.m:Missing		10	15	6	13	18
.r:Refuse				1		
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.x:no difficulties		10031	11306	9999	9141	11522
0.no		740	763	783	671	973
1.yes		13	23	15	10	30
Value-----		S11RACCAREPD	S12RACCAREPD	S13RACCAREPD	S14RACCAREPD	S15RACCAREPD
.d:DK		10	6	4	3	9
.h:no help received		900	815	816	648	894
.m:Missing		7	21	15	11	8
.r:Refuse		1	1		2	2
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.x:no difficulties		10645	9307	10066	8008	7020
0.no		889	827	839	655	504
1.yes		24	35	38	31	29

## How Constructed:

The following variables indicate whether the respondent's children or grandchildren help the respondent with any ADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In Waves 3 and onward, if the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, and are coded as special missing .h if the respondent reports difficulty with an ADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRACCARE, RwRACCAREN, RwRACCAREPDM, RwRACCAREDPMM, RwRACCAREHR, RwRACCAREHRM, and RwRACCAREPD include help from the respondent's child, spouse of child, grandchild, and spouse of grandchild in the AHEAD cohort in Wave 2. These variables include help from the respondent's child, child-in-law, unlisted child or child-in-law, step/partner child, and grandchild in Waves 3 through 5. These variables include help from the respondent's sons, step-sons, spouse/partner of daughters, son-in-laws, daughters, step-daughters, spouse/partner of sons, daughter-in-laws, grandchildren, unlisted children or children-in-law, former step-children, former children-in-law, spouse/partner of grandchildren, ambiguous child relation, and ambiguous child-in-law relation in Waves 6 and onward.

RwRACCARE indicates whether any of the respondent's children or grandchildren help the respondent with ADL needs. RwRACCAREN indicates the number of the respondent's children or grandchildren who help the respondent with ADL needs. RwRACCARE is coded as 0 if none of the respondent's children or grandchildren help the respondent with ADLs, and is coded as 1 if at least one of the respondent's children or grandchildren help the respondent with ADLs. In Wave 2, RwRACCARE and RwRACCAREN are assigned special

missing .q if the respondent participated in the HRS cohort in Wave 2. RWRACCARE and RWRACCAREN are not available in Wave 1.

RWRACCAREDPM indicates the number of total days per month the respondent's children or grandchildren help the respondent with ADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RWRACCAREDPM is the sum of days per month for all children or grandchildren helpers, and so values can be over 31 days. RWRACCAREDPM is calculated as long as there is one non-missing value. RWRACCAREDPMM indicates the number of children or grandchildren who helped the respondent for whom no value of days was reported and was not accounted for in RWRACCAREDPM. RWRACCAREDPMM is assigned special missing .m if the respondent was not helped by any children or grandchildren or prior information was missing. RWRACCAREDPM and RWRACCAREDPMM are not available in Waves 1 and 2.

RWRACCAREHR indicates the number of hours per day the respondent's children or grandchildren help the respondent with ADL needs. Respondents are asked, on days their children or grandchildren help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RWRACCAREHR is the sum of hours per day for all children or grandchildren helpers, and so values can be over 24 hours. RWRACCAREHR is calculated as long as there is one non-missing value. RWRACCAREHRM indicates the number of children or grandchildren who helped the respondent for whom no value of hours was reported and was not accounted for in RWRACCAREHR. RWRACCAREHR is assigned a special missing .w in the AHEAD cohort of Wave 2 if this question is not asked because the respondent's children or grandchildren help less than once per week. RWRACCAREHRM is assigned special missing .m if the respondent was not helped by any children or grandchildren or prior information was missing. In Wave 2, RWRACCAREHR and RWRACCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RWRACCAREHR and RWRACCAREHRM are not available in Wave 1.

RWRACCAREPD indicates whether any of the respondent's children or grandchildren helpers are paid for the care given to the respondent for ADL needs. RWRACCAREPD is assigned a value of 0 if the respondent receives no care from children or grandchildren, or the respondent does receive care from children or grandchildren and none of them are paid. RWRACCAREPD is assigned a value of 1 if the respondent receives care from children or grandchildren and at least one of them is paid for the care given to the respondent. RWRACCAREPD is assigned a special missing .w in the AHEAD cohort of Wave 2 if this question is not asked because the respondent's children or grandchildren help less than once per week. In Wave 2, RWRACCAREPD is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RWRACCAREPD is not available in Wave 1.

SWRACCARE, SWRACCAREN, SWRACCAREDPM, SWRACCAREHR, and SWRACCAREPD indicate whether the respondent's current wave's spouse receives help from children or grandchildren, the number, the frequency with which, and whether any are paid, and their values are taken from RWRACCARE, RWRACCAREN, RWRACCAREDPM, RWRACCAREHR, and RWRACCAREPD. SWRACCAREDPMM and SWRACCAREHRM indicate the number of children who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RWRACCAREDPMM and RWRACCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Respondents are asked who helps them with ADLs, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWRACCARE, RWRACCAREN, and RWRACCAREPD are available starting in the AHEAD



cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RWRACCARE, RWRACCAREN, and RWRACCAREPD are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a child or grandchild helps them with ADLs, and were asked how frequently and the number of hours that the child or grandchild provides help. However, the frequency of help is not comparable to other waves and so RWRACCAREDPM and RWRACCAREDPMM are not available in this wave. The number of hours that the child or grandchild helps is comparable, and so RWRACCAREHR and RWRACCAREHRM are available in the AHEAD cohort in Wave 2. If the respondent participated in the HRS cohort in Wave 2, then RWRACCAREHR and RWRACCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with ADLs, and are asked about the number of days and number of hours that the respondent's child or grandchild helps the respondent. As such, RWRACCAREDPM and RWRACCAREDPMM are available beginning in Wave 3.

In the AHEAD cohort in Wave 2, respondents are not asked whether the helper is paid if they help less than once per week. Starting in Wave 3, respondents are asked whether the helper is paid regardless of the frequency of the help.

### HRS Variables Used:

#### RAND HRS:

R10BATHA	r10batha:w10	r any diff-bathing, shower
R10BEDA	r10beda:w10	r any diff-get in/out bed
R10DRESSA	r10dressa:w10	r any diff-dressing
R10EATA	r10eata:w10	r any diff-eating
R10TOILTA	r10toilta:w10	r any diff-using the toilet
R10WALKRA	r10walkra:w10	r any diff-walk across room
R11BATHA	r11batha:w11	r any diff-bathing, shower
R11BEDA	r11beda:w11	r any diff-get in/out bed
R11DRESSA	r11dressa:w11	r any diff-dressing
R11EATA	r11eata:w11	r any diff-eating
R11TOILTA	r11toilta:w11	r any diff-using the toilet
R11WALKRA	r11walkra:w11	r any diff-walk across room
R12BATHA	r12batha:w12	r any diff-bathing, shower
R12BEDA	r12beda:w12	r any diff-get in/out bed
R12DRESSA	r12dressa:w12	r any diff-dressing
R12EATA	r12eata:w12	r any diff-eating
R12TOILTA	r12toilta:w12	r any diff-using the toilet
R12WALKRA	r12walkra:w12	r any diff-walk across room
R13BATHA	r13batha:w13	r any diff-bathing, shower
R13BEDA	r13beda:w13	r any diff-get in/out bed
R13DRESSA	r13dressa:w13	r any diff-dressing
R13EATA	r13eata:w13	r any diff-eating
R13TOILTA	r13toilta:w13	r any diff-using the toilet
R13WALKRA	r13walkra:w13	r any diff-walk across room
R14BATHA	r14batha:w14	r any diff-bathing, shower
R14BEDA	r14beda:w14	r any diff-get in/out bed
R14DRESSA	r14dressa:w14	r any diff-dressing
R14EATA	r14eata:w14	r any diff-eating
R14TOILTA	r14toilta:w14	r any diff-using the toilet
R14WALKRA	r14walkra:w14	r any diff-walk across room
R15BATHA	r15batha:w15	r any diff-bathing, shower
R15BEDA	r15beda:w15	r any diff-get in/out bed
R15DRESSA	r15dressa:w15	r any diff-dressing
R15EATA	r15eata:w15	r any diff-eating
R15TOILTA	r15toilta:w15	r any diff-using the toilet
R15WALKRA	r15walkra:w15	r any diff-walk across room
R3BATHA	r3batha:w3	r any diff-bathing, shower
R3BEDA	r3beda:w3	r any diff-get in/out bed
R3DRESSA	r3dressa:w3	r any diff-dressing
R3EATA	r3eata:w3	r any diff-eating

R3TOILTA	r3toilta:w3 r any diff-using the toilet
R3WALKRA	r3walkra:w3 r any diff-walk across room
R4BATHA	r4batha:w4 r any diff-bathing, shower
R4BEDA	r4beda:w4 r any diff-get in/out bed
R4DRESSA	r4dressa:w4 r any diff-dressing
R4EATA	r4eata:w4 r any diff-eating
R4TOILTA	r4toilta:w4 r any diff-using the toilet
R4WALKRA	r4walkra:w4 r any diff-walk across room
R5BATHA	r5batha:w5 r any diff-bathing, shower
R5BEDA	r5beda:w5 r any diff-get in/out bed
R5DRESSA	r5dressa:w5 r any diff-dressing
R5EATA	r5eata:w5 r any diff-eating
R5TOILTA	r5toilta:w5 r any diff-using the toilet
R5WALKRA	r5walkra:w5 r any diff-walk across room
R6BATHA	r6batha:w6 r any diff-bathing, shower
R6BEDA	r6beda:w6 r any diff-get in/out bed
R6DRESSA	r6dressa:w6 r any diff-dressing
R6EATA	r6eata:w6 r any diff-eating
R6TOILTA	r6toilta:w6 r any diff-using the toilet
R6WALKRA	r6walkra:w6 r any diff-walk across room
R7BATHA	r7batha:w7 r any diff-bathing, shower
R7BEDA	r7beda:w7 r any diff-get in/out bed
R7DRESSA	r7dressa:w7 r any diff-dressing
R7EATA	r7eata:w7 r any diff-eating
R7TOILTA	r7toilta:w7 r any diff-using the toilet
R7WALKRA	r7walkra:w7 r any diff-walk across room
R8BATHA	r8batha:w8 r any diff-bathing, shower
R8BEDA	r8beda:w8 r any diff-get in/out bed
R8DRESSA	r8dressa:w8 r any diff-dressing
R8EATA	r8eata:w8 r any diff-eating
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTRHELP	OTHER HELPER RELATION TO R
V992	E60. HELPER HOW OFTEN

V993 E61. HELPER HOURS PER DAY

Wave 2 AHEAD HHLIST:

OPN OTHER PERSON NUMBER

RELATE\_F RELATIONSHIP TO FEMALE R

RELATE\_M RELATIONSHIP TO MALE R

Wave 2 HRS:

WN\_INHH hrs w2: # in hhold (r1/r2 only)

Wave 3 AHEAD:

D1870 adlck.ckpt for skipping adl series

D1877 e72f.adl walk help

D1887 e73f.adl dress help

D1897 e74f.adl bathe help

D1907 e75f.adl eat help

D1920 e76f.adl bed help

D1930 e77f.adl toilet help

D1961 e83.who help-11

D1975 e84.who help-2

D1984 e85.who help-3

D1988 e86.who help-4

D1992 e87.who help-5

D1996 e88.who help-6

D2000 e89.who help-7

Wave 3 AHEAD Helper:

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

OPN OTHER PERSON NUMBER

Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series

E1901 e72f.adl walk help

E1911 e73f.adl dress help

E1921 e74f.adl bathe help

E1931 e75f.adl eat help

E1944 e76f.adl bed help

E1954 e77f.adl toilet help

E1976 e83.who help-11

E1990 e84.who help-2

E1999 e85.who help-3

E2003 e86.who help-4

E2007 e87.who help-5

E2011 e88.who help-6

E2015 e89.who help-7

Wave 3 HRS Helper:

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

E2142 E158-2. HELPER-SP OFTEN

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

OPN OTHER PERSON NUMBER

Wave 4:

F2426 e73f.adl dress help

F2431 e72f.adl walk help

F2447 e74f.adl bathe help

F2457 e75f.adl eat help

F2470 e76f.adl bed help  
 F2480 e77f.adl toilet help  
 F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2541 e89.who help-7

## Wave 4 Helper:

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  
 F2658 E158-2. HELPER OFTEN  
 F2659 E158A-2.HELPER PER WEEK  
 F2660 E158B-2.HELPER EVERY DAY  
 F2662 E159-2. HELPER HOURS  
 F2665 E162-2. HELPER PAID

## Wave 5:

G2724 e73f.adl dress help  
 G2729 e72y1.adl walk help  
 G2745 e74f.adl bathe help  
 G2755 e75f.adl eat help  
 G2768 e76f.adl bed help  
 G2778 e77f.adl toilet help  
 G2800 e83.who help-11  
 G2814 e84.who help-2  
 G2823 e85.who help-3  
 G2827 e86.who help-4  
 G2831 e87.who help-5  
 G2835 e88.who help-6  
 G2839 e89.who help-7

## Wave 5 Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HG013 chkpnt: count of hg001 through hg012  
 HG015 help w/dress  
 HG020 adl walk help  
 HG022 adl bathe help  
 HG024 adl eat help  
 HG029 adl bed help  
 HG031 adl toilet help  
 HG032\_1 who helps most- adl- 1  
 HG032\_2 who helps- adl- 2  
 HG032\_3 who helps- adl- 3  
 HG032\_4 who helps- adl- 4  
 HG032\_5 who helps- adl- 5  
 HG032\_6 who helps- adl- 6  
 HG032\_7 who helps- adl- 7

## Wave 6 Helper:

HADLNDX adl helper index  
HG069 helper relationship  
HG070 freq of help given- days in last month  
HG071 freq of help given- days per week  
HG072 did helper help every dy  
HG073 #hrs of help  
HG076 helper paid to help

## Wave 7:

JG013 chkpnt: count of jg001 through jg012  
JG015 help w/dress  
JG020 adl walk help  
JG022 adl bathe help  
JG024 adl eat help  
JG029 adl bed help  
JG031 adl toilet help  
JG032\_1 who helps most- adl- 1  
JG032\_2 who helps- adl- 2  
JG032\_3 who helps- adl- 3  
JG032\_4 who helps- adl- 4  
JG032\_5 who helps- adl- 5  
JG032\_6 who helps- adl- 6  
JG032\_7 who helps- adl- 7

## Wave 7 Helper:

JADLNDX index connection to the adl table  
JG069 helper relationship  
JG070 freq of help given-days last month  
JG071 # days helper helped  
JG072 did helper help every dy  
JG073 #hrs of help  
JG076 helper given money to help

## Wave 8:

KG013 chkpnt: count of jg001 through jg012  
KG015 help w/dress  
KG020 adl walk help  
KG022 adl bathe help  
KG024 adl eat help  
KG029 adl bed help  
KG031 adl toilet help  
KG032\_1 who helps most- adl- 1  
KG032\_2 who helps- adl- 2  
KG032\_3 who helps- adl- 3  
KG032\_4 who helps- adl- 4  
KG032\_5 who helps- adl- 5  
KG032\_6 who helps- adl- 6  
KG032\_7 who helps- adl- 7

## Wave 8 Helper:

KADLNDX index connection to the adl table  
KG069 helper relationship  
KG070 freq of help given-days last month  
KG071 # days helper helped  
KG072 did helper help every dy  
KG073 #hrs of help  
KG076 helper given money to help

## Wave 9:

LG013 chkpnt: count of lg001 through lg012  
LG015 help w/dress  
LG020 adl walk help  
LG022 adl bathe help  
LG024 adl eat help  
LG029 adl bed help  
LG031 adl toilet help  
LG032\_1 who helps most- adl- 1

LG032\_2 who helps- adl- 2  
LG032\_3 who helps- adl- 3  
LG032\_4 who helps- adl- 4  
LG032\_5 who helps- adl- 5  
LG032\_6 who helps- adl- 6  
LG032\_7 who helps- adl- 7

Wave 9 Helper:  
LADLNDX index connection to the adl table  
LG069 helper relationship  
LG070 freq of help given-days last month  
LG071 # days helper helped  
LG072 did helper help every day  
LG073 #hrs of help  
LG076 helper given money to help

Wave 10:  
MG013 chkpnt: count of mg001 through mg012  
MG015 help w/dress  
MG020 adl walk help  
MG022 adl bathe help  
MG024 adl eat help  
MG029 adl bed help  
MG031 adl toilet help  
MG032\_1 who helps most- adl- 1  
MG032\_2 who helps- adl- 2  
MG032\_3 who helps- adl- 3  
MG032\_4 who helps- adl- 4  
MG032\_5 who helps- adl- 5  
MG032\_6 who helps- adl- 6  
MG032\_7 who helps- adl- 7

Wave 10 Helper:  
MADLNDX index connection to the adl table  
MG069 helper relationship -1  
MG070 freq of help given -1  
MG071 # days helper helped -1  
MG072 did helper help every dy -1  
MG073 #hrs of help -1  
MG076 helper given money to help -1

Wave 11:  
NG013 chkpnt: count of ng001 through ng012  
NG015 help w/dress  
NG020 adl walk help  
NG022 adl bathe help  
NG024 adl eat help  
NG029 adl bed help  
NG031 adl toilet help  
NG032\_1 who helps most- adl- 1  
NG032\_2 who helps- adl- 2  
NG032\_3 who helps- adl- 3  
NG032\_4 who helps- adl- 4  
NG032\_5 who helps- adl- 5  
NG032\_6 who helps- adl- 6  
NG032\_7 who helps- adl- 7

Wave 11 Helper:  
NADLNDX index connection to the adl table  
NG069 helper relationship  
NG070 freq of help given  
NG071 # days helper helped  
NG072 did helper help every dy  
NG073 #hrs of help  
NG076 helper given money to help

Wave 12:  
OG013 chkpnt: count of g001 through g012  
OG015 help w/dress

OG020	adl walk help
OG022	adl bathe help
OG024	adl eat help
OG029	adl bed help
OG031	adl toilet help
OG032_1	who helps most- adl- 1
OG032_2	who helps- adl- 2
OG032_3	who helps- adl- 3
OG032_4	who helps- adl- 4
OG032_5	who helps- adl- 5
OG032_6	who helps- adl- 6
OG032_7	who helps- adl- 7
Wave 12 Helper:	
OADLNDX	index connection to the adl table
OG069	helper relationship
OG070	freq of help given
OG071	# days helper helped
OG072	did helper help every dy
OG073	#hrs of help
OG076	helper given money to help
Wave 13:	
PG013	chkpnt: count of g001 through g012
PG015	help w/dress
PG020	adl walk help
PG022	adl bathe help
PG024	adl eat help
PG029	adl bed help
PG031	adl toilet help
PG032_1	who helps most- adl- 1
PG032_2	who helps- adl- 2
PG032_3	who helps- adl- 3
PG032_4	who helps- adl- 4
PG032_5	who helps- adl- 5
PG032_6	who helps- adl- 6
PG032_7	who helps- adl- 7
Wave 13 Helper:	
PADLNDX	index connection to the adl table
PG069	helper relationship
PG070	freq of help given
PG071	# days helper helped
PG072	did helper help every dy
PG073	#hrs of help
PG076	helper given money to help
Wave 14:	
QG013	chkpnt: count of g001 through g012
QG015	help w/dress
QG020	adl walk help
QG022	adl bathe help
QG024	adl eat help
QG029	adl bed help
QG031	adl toilet help
QG032_1	who helps most- adl- 1
QG032_2	who helps- adl- 2
QG032_3	who helps- adl- 3
QG032_4	who helps- adl- 4
QG032_5	who helps- adl- 5
QG032_6	who helps- adl- 6
QG032_7	who helps- adl- 7
Wave 14 Helper:	
QADLNDX	INDEX CONNECTION TO THE ADL TABLE
QG069	HELPER RELATIONSHIP
QG070	FREQ OF HELP GIVEN
QG071	# DAYS HELPER HELPED

QG072 DID HELPER HELP EVERY DY  
QG073 #HRS OF HELP  
QG076 HELPER GIVEN MONEY TO HELP

## Wave 15:

RG013 chkpnt: count of g001 through g012  
RG015 help w/dress  
RG020 adl walk help  
RG022 adl bathe help  
RG024 adl eat help  
RG029 adl bed help  
RG031 adl toilet help  
RG032\_1 who helps most- adl- 1  
RG032\_2 who helps- adl- 2  
RG032\_3 who helps- adl- 3  
RG032\_4 who helps- adl- 4  
RG032\_5 who helps- adl- 5  
RG032\_6 who helps- adl- 6  
RG032\_7 who helps- adl- 7

## Wave 15 Helper:

RADLNDX INDEX CONNECTION TO THE ADL TABLE  
RG069 HELPER RELATIONSHIP  
RG070 FREQ OF HELP GIVEN  
RG071 # DAYS HELPER HELPED  
RG072 DID HELPER HELP EVERY DY  
RG073 #HRS OF HELP  
RG076 HELPER GIVEN MONEY TO HELP



<b>Activities of Daily Living: Receives Informal Care from Relatives</b>
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Wave	Variable	Label	Type
02	R2RARCARE	r2rarcare:w2 r receives informal care from relatives for adl	Categ
03	R3RARCARE	r3rarcare:w3 r receives informal care from relatives for adl	Categ
04	R4RARCARE	r4rarcare:w4 r receives informal care from relatives for adl	Categ
05	R5RARCARE	r5rarcare:w5 r receives informal care from relatives for adl	Categ
06	R6RARCARE	r6rarcare:w6 r receives informal care from relatives for adl	Categ
07	R7RARCARE	r7rarcare:w7 r receives informal care from relatives for adl	Categ
08	R8RARCARE	r8rarcare:w8 r receives informal care from relatives for adl	Categ
09	R9RARCARE	r9rarcare:w9 r receives informal care from relatives for adl	Categ
10	R10RARCARE	r10rarcare:w10 r receives informal care from relatives for a	Categ
11	R11RARCARE	r11rarcare:w11 r receives informal care from relatives for a	Categ
12	R12RARCARE	r12rarcare:w12 r receives informal care from relatives for a	Categ
13	R13RARCARE	r13rarcare:w13 r receives informal care from relatives for a	Categ
14	R14RARCARE	r14rarcare:w14 r receives informal care from relatives for a	Categ
15	R15RARCARE	r15rarcare:w15 r receives informal care from relatives for a	Categ
02	S2RARCARE	s2rarcare:w2 s receives informal care from relatives for adl	Categ
03	S3RARCARE	s3rarcare:w3 s receives informal care from relatives for adl	Categ
04	S4RARCARE	s4rarcare:w4 s receives informal care from relatives for adl	Categ
05	S5RARCARE	s5rarcare:w5 s receives informal care from relatives for adl	Categ
06	S6RARCARE	s6rarcare:w6 s receives informal care from relatives for adl	Categ
07	S7RARCARE	s7rarcare:w7 s receives informal care from relatives for adl	Categ
08	S8RARCARE	s8rarcare:w8 s receives informal care from relatives for adl	Categ
09	S9RARCARE	s9rarcare:w9 s receives informal care from relatives for adl	Categ
10	S10RARCARE	s10rarcare:w10 s receives informal care from relatives for a	Categ
11	S11RARCARE	s11rarcare:w11 s receives informal care from relatives for a	Categ
12	S12RARCARE	s12rarcare:w12 s receives informal care from relatives for a	Categ
13	S13RARCARE	s13rarcare:w13 s receives informal care from relatives for a	Categ
14	S14RARCARE	s14rarcare:w14 s receives informal care from relatives for a	Categ
15	S15RARCARE	s15rarcare:w15 s receives informal care from relatives for a	Categ
02	R2RARCAREN	r2rarcaren:w2 # relatives who help r with adls	Cont
03	R3RARCAREN	r3rarcaren:w3 # relatives who help r with adls	Cont
04	R4RARCAREN	r4rarcaren:w4 # relatives who help r with adls	Cont
05	R5RARCAREN	r5rarcaren:w5 # relatives who help r with adls	Cont
06	R6RARCAREN	r6rarcaren:w6 # relatives who help r with adls	Cont
07	R7RARCAREN	r7rarcaren:w7 # relatives who help r with adls	Cont
08	R8RARCAREN	r8rarcaren:w8 # relatives who help r with adls	Cont
09	R9RARCAREN	r9rarcaren:w9 # relatives who help r with adls	Cont
10	R10RARCAREN	r10rarcaren:w10 # relatives who help r with adls	Cont
11	R11RARCAREN	r11rarcaren:w11 # relatives who help r with adls	Cont
12	R12RARCAREN	r12rarcaren:w12 # relatives who help r with adls	Cont
13	R13RARCAREN	r13rarcaren:w13 # relatives who help r with adls	Cont
14	R14RARCAREN	r14rarcaren:w14 # relatives who help r with adls	Cont
15	R15RARCAREN	r15rarcaren:w15 # relatives who help r with adls	Cont
02	S2RARCAREN	s2rarcaren:w2 # relatives who help s with adls	Cont
03	S3RARCAREN	s3rarcaren:w3 # relatives who help s with adls	Cont
04	S4RARCAREN	s4rarcaren:w4 # relatives who help s with adls	Cont
05	S5RARCAREN	s5rarcaren:w5 # relatives who help s with adls	Cont
06	S6RARCAREN	s6rarcaren:w6 # relatives who help s with adls	Cont
07	S7RARCAREN	s7rarcaren:w7 # relatives who help s with adls	Cont
08	S8RARCAREN	s8rarcaren:w8 # relatives who help s with adls	Cont
09	S9RARCAREN	s9rarcaren:w9 # relatives who help s with adls	Cont
10	S10RARCAREN	s10rarcaren:w10 # relatives who help s with adls	Cont
11	S11RARCAREN	s11rarcaren:w11 # relatives who help s with adls	Cont
12	S12RARCAREN	s12rarcaren:w12 # relatives who help s with adls	Cont
13	S13RARCAREN	s13rarcaren:w13 # relatives who help s with adls	Cont

14	S14RARCAREN	s14rarcaren:w14 # relatives who help s with adls	Cont
15	S15RARCAREN	s15rarcaren:w15 # relatives who help s with adls	Cont
03	R3RARCAREDPM	r3rarcaredpm:w3 days/month relatives help r with adls	Cont
04	R4RARCAREDPM	r4rarcaredpm:w4 days/month relatives help r with adls	Cont
05	R5RARCAREDPM	r5rarcaredpm:w5 days/month relatives help r with adls	Cont
06	R6RARCAREDPM	r6rarcaredpm:w6 days/month relatives help r with adls	Cont
07	R7RARCAREDPM	r7rarcaredpm:w7 days/month relatives help r with adls	Cont
08	R8RARCAREDPM	r8rarcaredpm:w8 days/month relatives help r with adls	Cont
09	R9RARCAREDPM	r9rarcaredpm:w9 days/month relatives help r with adls	Cont
10	R10RARCAREDPM	r10rarcaredpm:w10 days/month relatives help r with adls	Cont
11	R11RARCAREDPM	r11rarcaredpm:w11 days/month relatives help r with adls	Cont
12	R12RARCAREDPM	r12rarcaredpm:w12 days/month relatives help r with adls	Cont
13	R13RARCAREDPM	r13rarcaredpm:w13 days/month relatives help r with adls	Cont
14	R14RARCAREDPM	r14rarcaredpm:w14 days/month relatives help r with adls	Cont
15	R15RARCAREDPM	r15rarcaredpm:w15 days/month relatives help r with adls	Cont
03	S3RARCAREDPM	s3rarcaredpm:w3 days/month relatives help s with adls	Cont
04	S4RARCAREDPM	s4rarcaredpm:w4 days/month relatives help s with adls	Cont
05	S5RARCAREDPM	s5rarcaredpm:w5 days/month relatives help s with adls	Cont
06	S6RARCAREDPM	s6rarcaredpm:w6 days/month relatives help s with adls	Cont
07	S7RARCAREDPM	s7rarcaredpm:w7 days/month relatives help s with adls	Cont
08	S8RARCAREDPM	s8rarcaredpm:w8 days/month relatives help s with adls	Cont
09	S9RARCAREDPM	s9rarcaredpm:w9 days/month relatives help s with adls	Cont
10	S10RARCAREDPM	s10rarcaredpm:w10 days/month relatives help s with adls	Cont
11	S11RARCAREDPM	s11rarcaredpm:w11 days/month relatives help s with adls	Cont
12	S12RARCAREDPM	s12rarcaredpm:w12 days/month relatives help s with adls	Cont
13	S13RARCAREDPM	s13rarcaredpm:w13 days/month relatives help s with adls	Cont
14	S14RARCAREDPM	s14rarcaredpm:w14 days/month relatives help s with adls	Cont
15	S15RARCAREDPM	s15rarcaredpm:w15 days/month relatives help s with adls	Cont
03	R3RARCAREDPMM	r3rarcaredpmm:w3 r # relatives missing days of help for adls	Cont
04	R4RARCAREDPMM	r4rarcaredpmm:w4 r # relatives missing days of help for adls	Cont
05	R5RARCAREDPMM	r5rarcaredpmm:w5 r # relatives missing days of help for adls	Cont
06	R6RARCAREDPMM	r6rarcaredpmm:w6 r # relatives missing days of help for adls	Cont
07	R7RARCAREDPMM	r7rarcaredpmm:w7 r # relatives missing days of help for adls	Cont
08	R8RARCAREDPMM	r8rarcaredpmm:w8 r # relatives missing days of help for adls	Cont
09	R9RARCAREDPMM	r9rarcaredpmm:w9 r # relatives missing days of help for adls	Cont
10	R10RARCAREDPMM	r10rarcaredpmm:w10 r # relatives missing days of help for ad	Cont
11	R11RARCAREDPMM	r11rarcaredpmm:w11 r # relatives missing days of help for ad	Cont
12	R12RARCAREDPMM	r12rarcaredpmm:w12 r # relatives missing days of help for ad	Cont
13	R13RARCAREDPMM	r13rarcaredpmm:w13 r # relatives missing days of help for ad	Cont
14	R14RARCAREDPMM	r14rarcaredpmm:w14 r # relatives missing days of help for ad	Cont
15	R15RARCAREDPMM	r15rarcaredpmm:w15 r # relatives missing days of help for ad	Cont
03	S3RARCAREDPMM	s3rarcaredpmm:w3 s # relatives missing days of help for adls	Cont
04	S4RARCAREDPMM	s4rarcaredpmm:w4 s # relatives missing days of help for adls	Cont
05	S5RARCAREDPMM	s5rarcaredpmm:w5 s # relatives missing days of help for adls	Cont
06	S6RARCAREDPMM	s6rarcaredpmm:w6 s # relatives missing days of help for adls	Cont
07	S7RARCAREDPMM	s7rarcaredpmm:w7 s # relatives missing days of help for adls	Cont
08	S8RARCAREDPMM	s8rarcaredpmm:w8 s # relatives missing days of help for adls	Cont
09	S9RARCAREDPMM	s9rarcaredpmm:w9 s # relatives missing days of help for adls	Cont
10	S10RARCAREDPMM	s10rarcaredpmm:w10 s # relatives missing days of help for ad	Cont
11	S11RARCAREDPMM	s11rarcaredpmm:w11 s # relatives missing days of help for ad	Cont
12	S12RARCAREDPMM	s12rarcaredpmm:w12 s # relatives missing days of help for ad	Cont
13	S13RARCAREDPMM	s13rarcaredpmm:w13 s # relatives missing days of help for ad	Cont
14	S14RARCAREDPMM	s14rarcaredpmm:w14 s # relatives missing days of help for ad	Cont
15	S15RARCAREDPMM	s15rarcaredpmm:w15 s # relatives missing days of help for ad	Cont
02	R2RARCAREHR	r2rarcarehr:w2 hours/day relatives help r with adls	Cont
03	R3RARCAREHR	r3rarcarehr:w3 hours/day relatives help r with adls	Cont
04	R4RARCAREHR	r4rarcarehr:w4 hours/day relatives help r with adls	Cont
05	R5RARCAREHR	r5rarcarehr:w5 hours/day relatives help r with adls	Cont

06	R6RARCAREHR	r6rarcarehr:w6 hours/day relatives help r with adls	Cont
07	R7RARCAREHR	r7rarcarehr:w7 hours/day relatives help r with adls	Cont
08	R8RARCAREHR	r8rarcarehr:w8 hours/day relatives help r with adls	Cont
09	R9RARCAREHR	r9rarcarehr:w9 hours/day relatives help r with adls	Cont
10	R10RARCAREHR	r10rarcarehr:w10 hours/day relatives help r with adls	Cont
11	R11RARCAREHR	r11rarcarehr:w11 hours/day relatives help r with adls	Cont
12	R12RARCAREHR	r12rarcarehr:w12 hours/day relatives help r with adls	Cont
13	R13RARCAREHR	r13rarcarehr:w13 hours/day relatives help r with adls	Cont
14	R14RARCAREHR	r14rarcarehr:w14 hours/day relatives help r with adls	Cont
15	R15RARCAREHR	r15rarcarehr:w15 hours/day relatives help r with adls	Cont
02	S2RARCAREHR	s2rarcarehr:w2 hours/day relatives help s with adls	Cont
03	S3RARCAREHR	s3rarcarehr:w3 hours/day relatives help s with adls	Cont
04	S4RARCAREHR	s4rarcarehr:w4 hours/day relatives help s with adls	Cont
05	S5RARCAREHR	s5rarcarehr:w5 hours/day relatives help s with adls	Cont
06	S6RARCAREHR	s6rarcarehr:w6 hours/day relatives help s with adls	Cont
07	S7RARCAREHR	s7rarcarehr:w7 hours/day relatives help s with adls	Cont
08	S8RARCAREHR	s8rarcarehr:w8 hours/day relatives help s with adls	Cont
09	S9RARCAREHR	s9rarcarehr:w9 hours/day relatives help s with adls	Cont
10	S10RARCAREHR	s10rarcarehr:w10 hours/day relatives help s with adls	Cont
11	S11RARCAREHR	s11rarcarehr:w11 hours/day relatives help s with adls	Cont
12	S12RARCAREHR	s12rarcarehr:w12 hours/day relatives help s with adls	Cont
13	S13RARCAREHR	s13rarcarehr:w13 hours/day relatives help s with adls	Cont
14	S14RARCAREHR	s14rarcarehr:w14 hours/day relatives help s with adls	Cont
15	S15RARCAREHR	s15rarcarehr:w15 hours/day relatives help s with adls	Cont
02	R2RARCAREHRM	r2rarcarehrm:w2 r # relatives missing hours of help for adls	Cont
03	R3RARCAREHRM	r3rarcarehrm:w3 r # relatives missing hours of help for adls	Cont
04	R4RARCAREHRM	r4rarcarehrm:w4 r # relatives missing hours of help for adls	Cont
05	R5RARCAREHRM	r5rarcarehrm:w5 r # relatives missing hours of help for adls	Cont
06	R6RARCAREHRM	r6rarcarehrm:w6 r # relatives missing hours of help for adls	Cont
07	R7RARCAREHRM	r7rarcarehrm:w7 r # relatives missing hours of help for adls	Cont
08	R8RARCAREHRM	r8rarcarehrm:w8 r # relatives missing hours of help for adls	Cont
09	R9RARCAREHRM	r9rarcarehrm:w9 r # relatives missing hours of help for adls	Cont
10	R10RARCAREHRM	r10rarcarehrm:w10 r # relatives missing hours of help for ad	Cont
11	R11RARCAREHRM	r11rarcarehrm:w11 r # relatives missing hours of help for ad	Cont
12	R12RARCAREHRM	r12rarcarehrm:w12 r # relatives missing hours of help for ad	Cont
13	R13RARCAREHRM	r13rarcarehrm:w13 r # relatives missing hours of help for ad	Cont
14	R14RARCAREHRM	r14rarcarehrm:w14 r # relatives missing hours of help for ad	Cont
15	R15RARCAREHRM	r15rarcarehrm:w15 r # relatives missing hours of help for ad	Cont
02	S2RARCAREHRM	s2rarcarehrm:w2 s # relatives missing hours of help for adls	Cont
03	S3RARCAREHRM	s3rarcarehrm:w3 s # relatives missing hours of help for adls	Cont
04	S4RARCAREHRM	s4rarcarehrm:w4 s # relatives missing hours of help for adls	Cont
05	S5RARCAREHRM	s5rarcarehrm:w5 s # relatives missing hours of help for adls	Cont
06	S6RARCAREHRM	s6rarcarehrm:w6 s # relatives missing hours of help for adls	Cont
07	S7RARCAREHRM	s7rarcarehrm:w7 s # relatives missing hours of help for adls	Cont
08	S8RARCAREHRM	s8rarcarehrm:w8 s # relatives missing hours of help for adls	Cont
09	S9RARCAREHRM	s9rarcarehrm:w9 s # relatives missing hours of help for adls	Cont
10	S10RARCAREHRM	s10rarcarehrm:w10 s # relatives missing hours of help for ad	Cont
11	S11RARCAREHRM	s11rarcarehrm:w11 s # relatives missing hours of help for ad	Cont
12	S12RARCAREHRM	s12rarcarehrm:w12 s # relatives missing hours of help for ad	Cont
13	S13RARCAREHRM	s13rarcarehrm:w13 s # relatives missing hours of help for ad	Cont
14	S14RARCAREHRM	s14rarcarehrm:w14 s # relatives missing hours of help for ad	Cont
15	S15RARCAREHRM	s15rarcarehrm:w15 s # relatives missing hours of help for ad	Cont
02	R2RARCAREPD	r2rarcarepd:w2 any relative paid for care given to r for adl	Categ
03	R3RARCAREPD	r3rarcarepd:w3 any relative paid for care given to r for adl	Categ
04	R4RARCAREPD	r4rarcarepd:w4 any relative paid for care given to r for adl	Categ
05	R5RARCAREPD	r5rarcarepd:w5 any relative paid for care given to r for adl	Categ
06	R6RARCAREPD	r6rarcarepd:w6 any relative paid for care given to r for adl	Categ
07	R7RARCAREPD	r7rarcarepd:w7 any relative paid for care given to r for adl	Categ
08	R8RARCAREPD	r8rarcarepd:w8 any relative paid for care given to r for adl	Categ

09	R9RARCAREPD	r9rarcarepd:w9 any relative paid for care given to r for adl	Categ
10	R10RARCAREPD	r10rarcarepd:w10 any relative paid for care given to r for a	Categ
11	R11RARCAREPD	r11rarcarepd:w11 any relative paid for care given to r for a	Categ
12	R12RARCAREPD	r12rarcarepd:w12 any relative paid for care given to r for a	Categ
13	R13RARCAREPD	r13rarcarepd:w13 any relative paid for care given to r for a	Categ
14	R14RARCAREPD	r14rarcarepd:w14 any relative paid for care given to r for a	Categ
15	R15RARCAREPD	r15rarcarepd:w15 any relative paid for care given to r for a	Categ
02	S2RARCAREPD	s2rarcarepd:w2 any relative paid for care given to s for adl	Categ
03	S3RARCAREPD	s3rarcarepd:w3 any relative paid for care given to s for adl	Categ
04	S4RARCAREPD	s4rarcarepd:w4 any relative paid for care given to s for adl	Categ
05	S5RARCAREPD	s5rarcarepd:w5 any relative paid for care given to s for adl	Categ
06	S6RARCAREPD	s6rarcarepd:w6 any relative paid for care given to s for adl	Categ
07	S7RARCAREPD	s7rarcarepd:w7 any relative paid for care given to s for adl	Categ
08	S8RARCAREPD	s8rarcarepd:w8 any relative paid for care given to s for adl	Categ
09	S9RARCAREPD	s9rarcarepd:w9 any relative paid for care given to s for adl	Categ
10	S10RARCAREPD	s10rarcarepd:w10 any relative paid for care given to s for a	Categ
11	S11RARCAREPD	s11rarcarepd:w11 any relative paid for care given to s for a	Categ
12	S12RARCAREPD	s12rarcarepd:w12 any relative paid for care given to s for a	Categ
13	S13RARCAREPD	s13rarcarepd:w13 any relative paid for care given to s for a	Categ
14	S14RARCAREPD	s14rarcarepd:w14 any relative paid for care given to s for a	Categ
15	S15RARCAREPD	s15rarcarepd:w15 any relative paid for care given to s for a	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RARCARE	659	0.02	0.15	0.00	1.00
R3RARCARE	1558	0.05	0.21	0.00	1.00
R4RARCARE	1722	0.06	0.24	0.00	1.00
R5RARCARE	1650	0.05	0.23	0.00	1.00
R6RARCARE	1636	0.05	0.23	0.00	1.00
R7RARCARE	1723	0.06	0.24	0.00	1.00
R8RARCARE	1658	0.05	0.22	0.00	1.00
R9RARCARE	1570	0.05	0.22	0.00	1.00
R10RARCARE	2132	0.08	0.27	0.00	1.00
R11RARCARE	2008	0.06	0.24	0.00	1.00
R12RARCARE	1940	0.06	0.24	0.00	1.00
R13RARCARE	2028	0.07	0.26	0.00	1.00
R14RARCARE	1553	0.07	0.26	0.00	1.00
R15RARCARE	1245	0.06	0.24	0.00	1.00
S2RARCARE	293	0.02	0.15	0.00	1.00
S3RARCARE	778	0.02	0.12	0.00	1.00
S4RARCARE	851	0.02	0.15	0.00	1.00
S5RARCARE	791	0.02	0.14	0.00	1.00
S6RARCARE	760	0.02	0.15	0.00	1.00
S7RARCARE	800	0.04	0.19	0.00	1.00
S8RARCARE	804	0.02	0.14	0.00	1.00
S9RARCARE	691	0.01	0.12	0.00	1.00
S10RARCARE	1019	0.03	0.17	0.00	1.00
S11RARCARE	918	0.03	0.17	0.00	1.00
S12RARCARE	882	0.04	0.19	0.00	1.00
S13RARCARE	888	0.04	0.19	0.00	1.00
S14RARCARE	698	0.02	0.15	0.00	1.00
S15RARCARE	542	0.01	0.12	0.00	1.00
R2RARCAREN	659	0.03	0.18	0.00	2.00
R3RARCAREN	1558	0.06	0.27	0.00	3.00
R4RARCAREN	1722	0.07	0.32	0.00	4.00
R5RARCAREN	1650	0.08	0.39	0.00	6.00
R6RARCAREN	1636	0.07	0.30	0.00	3.00
R7RARCAREN	1723	0.08	0.34	0.00	4.00

R8RARCAREN	1658	0.06	0.30	0.00	4.00
R9RARCAREN	1570	0.06	0.28	0.00	3.00
R10RARCAREN	2132	0.10	0.36	0.00	4.00
R11RARCAREN	2008	0.08	0.34	0.00	4.00
R12RARCAREN	1940	0.08	0.37	0.00	4.00
R13RARCAREN	2028	0.09	0.36	0.00	3.00
R14RARCAREN	1553	0.09	0.37	0.00	5.00
R15RARCAREN	1245	0.08	0.33	0.00	3.00
S2RARCAREN	293	0.03	0.21	0.00	2.00
S3RARCAREN	778	0.02	0.12	0.00	1.00
S4RARCAREN	851	0.03	0.21	0.00	3.00
S5RARCAREN	791	0.02	0.17	0.00	2.00
S6RARCAREN	760	0.03	0.21	0.00	3.00
S7RARCAREN	800	0.04	0.23	0.00	3.00
S8RARCAREN	804	0.02	0.17	0.00	3.00
S9RARCAREN	691	0.02	0.15	0.00	2.00
S10RARCAREN	1019	0.03	0.19	0.00	2.00
S11RARCAREN	918	0.03	0.19	0.00	2.00
S12RARCAREN	882	0.04	0.25	0.00	3.00
S13RARCAREN	888	0.05	0.26	0.00	3.00
S14RARCAREN	698	0.03	0.19	0.00	3.00
S15RARCAREN	542	0.02	0.16	0.00	2.00
R3RARCAREDPM	1558	1.14	6.27	0.00	93.00
R4RARCAREDPM	1717	1.33	7.04	0.00	93.00
R5RARCAREDPM	1640	1.19	6.87	0.00	106.00
R6RARCAREDPM	1635	1.18	6.34	0.00	62.00
R7RARCAREDPM	1718	1.13	6.09	0.00	90.00
R8RARCAREDPM	1657	0.98	6.03	0.00	66.00
R9RARCAREDPM	1569	0.94	5.21	0.00	62.00
R10RARCAREDPM	2131	1.31	6.38	0.00	93.00
R11RARCAREDPM	2006	1.19	6.50	0.00	93.00
R12RARCAREDPM	1938	1.17	6.42	0.00	93.00
R13RARCAREDPM	2025	1.04	5.48	0.00	82.00
R14RARCAREDPM	1548	1.12	6.39	0.00	120.00
R15RARCAREDPM	1245	1.15	5.90	0.00	62.00
S3RARCAREDPM	778	0.33	3.00	0.00	31.00
S4RARCAREDPM	850	0.41	3.61	0.00	60.00
S5RARCAREDPM	789	0.21	2.37	0.00	46.00
S6RARCAREDPM	760	0.46	4.24	0.00	62.00
S7RARCAREDPM	800	0.61	4.10	0.00	43.00
S8RARCAREDPM	803	0.23	2.44	0.00	31.00
S9RARCAREDPM	691	0.15	1.81	0.00	31.00
S10RARCAREDPM	1019	0.39	3.01	0.00	31.00
S11RARCAREDPM	917	0.32	2.92	0.00	46.00
S12RARCAREDPM	882	0.58	4.16	0.00	60.00
S13RARCAREDPM	888	0.39	2.82	0.00	31.00
S14RARCAREDPM	696	0.17	1.85	0.00	31.00
S15RARCAREDPM	542	0.30	2.88	0.00	35.00
R3RARCAREDPMM	1558	0.00	0.00	0.00	0.00
R4RARCAREDPMM	1722	0.00	0.06	0.00	2.00
R5RARCAREDPMM	1650	0.01	0.10	0.00	3.00
R6RARCAREDPMM	1636	0.00	0.03	0.00	1.00
R7RARCAREDPMM	1723	0.00	0.05	0.00	1.00
R8RARCAREDPMM	1658	0.00	0.02	0.00	1.00
R9RARCAREDPMM	1570	0.00	0.03	0.00	1.00
R10RARCAREDPMM	2132	0.00	0.04	0.00	1.00
R11RARCAREDPMM	2008	0.00	0.04	0.00	1.00
R12RARCAREDPMM	1940	0.00	0.05	0.00	1.00
R13RARCAREDPMM	2028	0.00	0.04	0.00	1.00

R14RARCAREDPMM	1553	0.01	0.08	0.00	2.00
R15RARCAREDPMM	1245	0.00	0.00	0.00	0.00
S3RARCAREDPMM	778	0.00	0.00	0.00	0.00
S4RARCAREDPMM	851	0.00	0.00	0.00	0.00
S5RARCAREDPMM	791	0.00	0.04	0.00	1.00
S6RARCAREDPMM	760	0.00	0.00	0.00	0.00
S7RARCAREDPMM	800	0.00	0.00	0.00	0.00
S8RARCAREDPMM	804	0.00	0.04	0.00	1.00
S9RARCAREDPMM	691	0.00	0.00	0.00	0.00
S10RARCAREDPMM	1019	0.00	0.00	0.00	0.00
S11RARCAREDPMM	918	0.00	0.03	0.00	1.00
S12RARCAREDPMM	882	0.00	0.03	0.00	1.00
S13RARCAREDPMM	888	0.00	0.00	0.00	0.00
S14RARCAREDPMM	698	0.00	0.05	0.00	1.00
S15RARCAREDPMM	542	0.00	0.00	0.00	0.00
R2RARCAREHR	658	0.08	0.66	0.00	9.00
R3RARCAREHR	1552	0.26	1.93	0.00	24.00
R4RARCAREHR	1714	0.38	2.98	0.00	72.00
R5RARCAREHR	1639	0.32	2.37	0.00	48.00
R6RARCAREHR	1632	0.36	2.46	0.00	48.00
R7RARCAREHR	1711	0.31	2.14	0.00	32.00
R8RARCAREHR	1650	0.24	1.78	0.00	35.00
R9RARCAREHR	1561	0.27	2.03	0.00	35.00
R10RARCAREHR	2106	0.36	2.10	0.00	29.00
R11RARCAREHR	1988	0.29	1.98	0.00	48.00
R12RARCAREHR	1926	0.31	2.17	0.00	48.00
R13RARCAREHR	2012	0.30	1.93	0.00	48.00
R14RARCAREHR	1536	0.32	2.00	0.00	36.00
R15RARCAREHR	1236	0.30	1.69	0.00	20.00
S2RARCAREHR	293	0.08	0.64	0.00	9.00
S3RARCAREHR	778	0.08	1.00	0.00	24.00
S4RARCAREHR	849	0.10	1.11	0.00	26.00
S5RARCAREHR	790	0.08	1.00	0.00	24.00
S6RARCAREHR	759	0.12	1.17	0.00	20.00
S7RARCAREHR	797	0.10	0.77	0.00	12.00
S8RARCAREHR	802	0.04	0.44	0.00	10.00
S9RARCAREHR	690	0.07	1.04	0.00	24.00
S10RARCAREHR	1015	0.11	0.92	0.00	16.00
S11RARCAREHR	910	0.07	0.88	0.00	24.00
S12RARCAREHR	876	0.14	1.12	0.00	17.00
S13RARCAREHR	885	0.15	1.31	0.00	24.00
S14RARCAREHR	694	0.07	0.96	0.00	24.00
S15RARCAREHR	540	0.07	0.89	0.00	18.00
R2RARCAREHRM	659	0.00	0.04	0.00	1.00
R3RARCAREHRM	1558	0.01	0.08	0.00	2.00
R4RARCAREHRM	1722	0.01	0.09	0.00	2.00
R5RARCAREHRM	1650	0.01	0.13	0.00	3.00
R6RARCAREHRM	1636	0.00	0.07	0.00	1.00
R7RARCAREHRM	1723	0.01	0.12	0.00	2.00
R8RARCAREHRM	1658	0.01	0.08	0.00	2.00
R9RARCAREHRM	1570	0.01	0.13	0.00	3.00
R10RARCAREHRM	2132	0.02	0.16	0.00	4.00
R11RARCAREHRM	2008	0.01	0.11	0.00	1.00
R12RARCAREHRM	1940	0.01	0.17	0.00	4.00
R13RARCAREHRM	2028	0.01	0.11	0.00	2.00
R14RARCAREHRM	1553	0.02	0.14	0.00	2.00
R15RARCAREHRM	1245	0.01	0.11	0.00	2.00
S2RARCAREHRM	293	0.00	0.00	0.00	0.00

S3RARCAREHRM	778	0.00	0.00	0.00	0.00
S4RARCAREHRM	851	0.00	0.05	0.00	1.00
S5RARCAREHRM	791	0.00	0.07	0.00	2.00
S6RARCAREHRM	760	0.00	0.06	0.00	1.00
S7RARCAREHRM	800	0.01	0.07	0.00	1.00
S8RARCAREHRM	804	0.00	0.05	0.00	1.00
S9RARCAREHRM	691	0.00	0.05	0.00	1.00
S10RARCAREHRM	1019	0.00	0.06	0.00	1.00
S11RARCAREHRM	918	0.01	0.10	0.00	1.00
S12RARCAREHRM	882	0.01	0.10	0.00	2.00
S13RARCAREHRM	888	0.00	0.07	0.00	1.00
S14RARCAREHRM	698	0.01	0.11	0.00	2.00
S15RARCAREHRM	542	0.00	0.06	0.00	1.00
R2RARCAREPD	659	0.01	0.09	0.00	1.00
R3RARCAREPD	1557	0.00	0.07	0.00	1.00
R4RARCAREPD	1717	0.01	0.08	0.00	1.00
R5RARCAREPD	1645	0.01	0.07	0.00	1.00
R6RARCAREPD	1632	0.01	0.09	0.00	1.00
R7RARCAREPD	1716	0.00	0.06	0.00	1.00
R8RARCAREPD	1650	0.01	0.08	0.00	1.00
R9RARCAREPD	1562	0.00	0.07	0.00	1.00
R10RARCAREPD	2119	0.01	0.10	0.00	1.00
R11RARCAREPD	1996	0.01	0.08	0.00	1.00
R12RARCAREPD	1934	0.01	0.08	0.00	1.00
R13RARCAREPD	2017	0.01	0.09	0.00	1.00
R14RARCAREPD	1543	0.01	0.09	0.00	1.00
R15RARCAREPD	1239	0.02	0.12	0.00	1.00
S2RARCAREPD	293	0.01	0.08	0.00	1.00
S3RARCAREPD	778	0.00	0.05	0.00	1.00
S4RARCAREPD	850	0.00	0.06	0.00	1.00
S5RARCAREPD	790	0.00	0.04	0.00	1.00
S6RARCAREPD	760	0.00	0.06	0.00	1.00
S7RARCAREPD	798	0.00	0.05	0.00	1.00
S8RARCAREPD	802	0.00	0.04	0.00	1.00
S9RARCAREPD	690	0.00	0.00	0.00	0.00
S10RARCAREPD	1016	0.00	0.07	0.00	1.00
S11RARCAREPD	911	0.00	0.05	0.00	1.00
S12RARCAREPD	878	0.01	0.08	0.00	1.00
S13RARCAREPD	886	0.01	0.07	0.00	1.00
S14RARCAREPD	697	0.00	0.05	0.00	1.00
S15RARCAREPD	541	0.01	0.07	0.00	1.00

### Categorical Variable Codes

Value-----	R2RARCARE	R3RARCARE	R4RARCARE	R5RARCARE
.d:DK	1	1	3	1
.f:infrequent care	252			
.h:no help received	870	1776	2090	1976
.m:Missing	3	39	28	1
.q:not asked this wave	11595			
.r:Refuse		2		3
.x:no difficulties	6437	14615	17541	15947
0.no	643	1485	1621	1561
1.yes	16	73	101	89

Value-----	R6RARCARE	R7RARCARE	R8RARCARE	R9RARCARE	R10RARCARE
.d:DK	2			8	16
.h:no help received	1804	1840	1972	1777	2115
.m:Missing	7	10	8	2	2
.r:Refuse	1		1		3
.x:no difficulties	14715	16556	14830	13860	17766
0.no	1548	1618	1574	1487	1961
1.yes	88	105	84	83	171

Value-----	R11RARCARE	R12RARCARE	R13RARCARE	R14RARCARE	R15RARCARE
.d:DK	30	25	20	23	26
.h:no help received	1931	1882	1965	1699	1996
.m:Missing	1	1			6
.r:Refuse	6	9	6	7	6
.x:no difficulties	16578	14890	16893	13864	12444
0.no	1884	1825	1881	1441	1167
1.yes	124	115	147	112	78

Value-----	S2RARCARE	S3RARCARE	S4RARCARE	S5RARCARE
.f:infrequent care	110			
.h:no help received	340	884	1034	999
.m:Missing	2	12	7	
.q:not asked this wave	8738			
.r:Refuse				1
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3605	10242	12086	10939
0.no	286	766	831	776
1.yes	7	12	20	15

Value-----	S6RARCARE	S7RARCARE	S8RARCARE	S9RARCARE	S10RARCARE
.d:DK				3	5
.h:no help received	838	861	924	803	961
.m:Missing	3	1	1	2	
.r:Refuse					1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10031	11306	9999	9141	11522
0.no	742	771	789	681	988
1.yes	18	29	15	10	31

Value-----	S11RARCARE	S12RARCARE	S13RARCARE	S14RARCARE	S15RARCARE
.d:DK	12	8	7	2	8
.h:no help received	900	815	815	648	894
.m:Missing					1
.r:Refuse	1		2	2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10645	9307	10066	8008	7020
0.no	891	850	854	683	534
1.yes	27	32	34	15	8

Value-----	R2RARCAREPD	R3RARCAREPD	R4RARCAREPD	R5RARCAREPD
.d:DK	1	1	3	1
.f:infrequent care	252			
.h:no help received	870	1776	2090	1976
.m:Missing	3	40	31	6
.q:not asked this wave	11595			
.r:Refuse		2	2	3
.x:no difficulties	6437	14615	17541	15947
0.no	654	1550	1705	1636
1.yes	5	7	12	9

Value-----	R6RARCAREPD	R7RARCAREPD	R8RARCAREPD	R9RARCAREPD	R10RARCAREPD
.d:DK	3		1	8	17
.h:no help received	1804	1840	1972	1777	2115
.m:Missing	10	17	15	10	14
.r:Refuse	1		1		3
.x:no difficulties	14715	16556	14830	13860	17766
0.no	1618	1710	1639	1555	2097
1.yes	14	6	11	7	22

Value-----	R11RARCAREPD	R12RARCAREPD	R13RARCAREPD	R14RARCAREPD	R15RARCAREPD
.d:DK	30	25	20	24	26
.h:no help received	1931	1882	1965	1699	1996
.m:Missing	13	7	11	9	12
.r:Refuse	6	9	6	7	6
.x:no difficulties	16578	14890	16893	13864	12444
0.no	1984	1920	2000	1531	1220
1.yes	12	14	17	12	19

Value-----	S2RARCAREPD	S3RARCAREPD	S4RARCAREPD	S5RARCAREPD
.f:infrequent care	110			
.h:no help received	340	884	1034	999



.m:Missing			2	12	8	1
.q:not asked this wave			8738			
.r:Refuse						1
.u:not coupled			5976	5659	6870	6537
.v:SP NR			578	416	536	311
.x:no difficulties			3605	10242	12086	10939
0.no			291	776	847	789
1.yes			2	2	3	1
Value-----		S6RARCAPED	S7RARCAPED	S8RARCAPED	S9RARCAPED	S10RARCAPED
.d:DK				1	3	5
.h:no help received		838	861	924	803	961
.m:Missing		3	3	2	3	3
.r:Refuse						1
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.x:no difficulties		10031	11306	9999	9141	11522
0.no		757	796	801	690	1011
1.yes		3	2	1		5
Value-----		S11RARCAPED	S12RARCAPED	S13RARCAPED	S14RARCAPED	S15RARCAPED
.d:DK		12	8	7	2	8
.h:no help received		900	815	815	648	894
.m:Missing		7	4	2	1	2
.r:Refuse		1		2	2	1
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.x:no difficulties		10645	9307	10066	8008	7020
0.no		909	872	881	695	538
1.yes		2	6	5	2	3

## How Constructed:

The following variables indicate whether any of the respondent's relatives help the respondent with any ADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In Waves 3 and onward, if the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, and are coded as special missing .h if the respondent reports difficulty with an ADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRARCAPED, RwRARCAPEN, RwRARCAPEDPM, RwRARCAPEDPMM, RwRARCAPEDHR, RwRARCAPEDHRM, and RwRARCAPEDPD include help from the respondent's other relative in the AHEAD cohort in Wave 2. These variables include help from the respondent's sibling, sibling of spouse, parent or parent-in-law, and other relative in Waves 3 through 5. These variables include help from the respondent's father, father of spouse/partner, mother, mother of spouse/partner, parents, brother, brother of spouse/partner, sister, sister of spouse/partner, or other relative in Waves 6 and onward.

RwRARCAPED indicates whether any of the respondent's relatives help the respondent with ADL needs. RwRARCAPEN indicates the number of the respondent's relatives who help the respondent with ADL needs. RwRARCAPED is coded as 0 if none of the respondent's relatives help the respondent with ADLs, and is coded as 1 if at least one of the respondent's relatives help the respondent with ADLs. In Wave 2, RwRARCAPED and RwRARCAPEN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRARCAPED and RwRARCAPEN are not available in Wave 1.

RwRARCAPEDPM indicates the number of total days per month the respondent's relatives help the respondent with ADL needs. This variable comprises converted responses reported in terms of 'Days in last month',

'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RWRARCAREDPM is the sum of days per month for all relative helpers, and so values can be over 31 days. RWRARCAREDPM is calculated as long as there is one non-missing value. RWRARCAREDPMM indicates the number of relatives who helped the respondent for whom no value of days was reported and was not accounted for in RWRARCAREDPM. RWRARCAREDPMM is assigned special missing .m if the respondent was not helped by any relatives or prior information was missing. RWRARCAREDPM and RWRARCAREDPMM are not available in Waves 1 and 2.

RWRARCAREHR indicates the number of hours per day the respondent's relatives help the respondent with ADL needs. Respondents are asked, on days their relatives help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RWRARCAREHR is the sum of hours per day for all relative helpers, and so values can be over 24 hours. RWRARCAREHR is calculated as long as there is one non-missing value. RWRARCAREHRM indicates the number of relatives who helped the respondent for whom no value of hours was reported and was not accounted for in RWRARCAREHR. RWRARCAREHR is assigned a special missing .w in the AHEAD cohort of Wave 2 if this question is not asked because the respondent's relatives help less than once per week. RWRARCAREHRM is assigned special missing .m if the respondent was not helped by any relatives or prior information was missing. In Wave 2, RWRARCAREHR and RWRARCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RWRARCAREHR and RWRARCAREHRM are not available in Wave 1.

RWRARCAREPD indicates whether any of the respondent's relative helpers are paid for the care given to the respondent for ADL needs. RWRARCAREPD is assigned a value of 0 if the respondent receives no care from relatives, or the respondent does receive care from relatives and none of them are paid. RWRARCAREPD is assigned a value of 1 if the respondent receives care from relatives and at least one of them is paid for the care given to the respondent. RWRARCAREPD is assigned a special missing .w in the AHEAD cohort of Wave 2 if this question is not asked because the respondent's relatives help less than once per week. In Wave 2, RWRARCAREPD is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RWRARCAREPD is not available in Wave 1.

SWRARCARE, SWRARCAREN, SWRARCAREDPM, SWRARCAREHR, and SWRARCAREPD indicate whether the respondent's current wave's spouse receives help from relatives, the number, the frequency with which, and whether any are paid, and their values are taken from RWRARCARE, RWRARCAREN, RWRARCAREDPM, RWRARCAREHR, and RWRARCAREPD. SWRARCAREDPMM and SWRARCAREHRM indicate the number of relatives who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RWRARCAREDPMM and RWRARCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs at all in Wave 1 and in the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Respondents are asked who helps them with ADLs, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWRARCARE, RWRARCAREN, and RWRARCAREPD are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RWRARCARE, RWRARCAREN, and RWRARCAREPD are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a relative helps them with ADLs, and were asked how frequently and the number of hours that the relative provides help. However, the frequency of help is not comparable to other waves and so RWRARCAREDPM and RWRARCAREDPMM are not available in this wave. The number of hours that the relative helps is comparable, and so RWRARCAREHR and RWRARCAREHRM are

available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RWRARCAREHR and RWRARCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with ADLs, and are asked about the number of days or number of hours that the respondent's relative helps the respondent. As such, RWRARCAREDPM and RWRARCAREDPMM are available beginning in Wave 3.

In the AHEAD cohort in Wave 2, respondents are not asked whether the helper is paid if they help less than once per week. Starting in Wave 3, respondents are asked whether the helper is paid regardless of the frequency of the help.

## HRS Variables Used:

### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed
R12DRESSA	r12dressa:w12 r any diff-dressing
R12EATA	r12eata:w12 r any diff-eating
R12TOILTA	r12toilta:w12 r any diff-using the toilet
R12WALKRA	r12walkra:w12 r any diff-walk across room
R13BATHA	r13batha:w13 r any diff-bathing, shower
R13BEDA	r13beda:w13 r any diff-get in/out bed
R13DRESSA	r13dressa:w13 r any diff-dressing
R13EATA	r13eata:w13 r any diff-eating
R13TOILTA	r13toilta:w13 r any diff-using the toilet
R13WALKRA	r13walkra:w13 r any diff-walk across room
R14BATHA	r14batha:w14 r any diff-bathing, shower
R14BEDA	r14beda:w14 r any diff-get in/out bed
R14DRESSA	r14dressa:w14 r any diff-dressing
R14EATA	r14eata:w14 r any diff-eating
R14TOILTA	r14toilta:w14 r any diff-using the toilet
R14WALKRA	r14walkra:w14 r any diff-walk across room
R15BATHA	r15batha:w15 r any diff-bathing, shower
R15BEDA	r15beda:w15 r any diff-get in/out bed
R15DRESSA	r15dressa:w15 r any diff-dressing
R15EATA	r15eata:w15 r any diff-eating
R15TOILTA	r15toilta:w15 r any diff-using the toilet
R15WALKRA	r15walkra:w15 r any diff-walk across room
R3BATHA	r3batha:w3 r any diff-bathing, shower
R3BEDA	r3beda:w3 r any diff-get in/out bed
R3DRESSA	r3dressa:w3 r any diff-dressing
R3EATA	r3eata:w3 r any diff-eating
R3TOILTA	r3toilta:w3 r any diff-using the toilet
R3WALKRA	r3walkra:w3 r any diff-walk across room
R4BATHA	r4batha:w4 r any diff-bathing, shower
R4BEDA	r4beda:w4 r any diff-get in/out bed
R4DRESSA	r4dressa:w4 r any diff-dressing
R4EATA	r4eata:w4 r any diff-eating
R4TOILTA	r4toilta:w4 r any diff-using the toilet
R4WALKRA	r4walkra:w4 r any diff-walk across room
R5BATHA	r5batha:w5 r any diff-bathing, shower

R5BEDA	r5beda:w5 r any diff-get in/out bed
R5DRESSA	r5dressa:w5 r any diff-dressing
R5EATA	r5eata:w5 r any diff-eating
R5TOILTA	r5toilta:w5 r any diff-using the toilet
R5WALKRA	r5walkra:w5 r any diff-walk across room
R6BATHA	r6batha:w6 r any diff-bathing, shower
R6BEDA	r6beda:w6 r any diff-get in/out bed
R6DRESSA	r6dressa:w6 r any diff-dressing
R6EATA	r6eata:w6 r any diff-eating
R6TOILTA	r6toilta:w6 r any diff-using the toilet
R6WALKRA	r6walkra:w6 r any diff-walk across room
R7BATHA	r7batha:w7 r any diff-bathing, shower
R7BEDA	r7beda:w7 r any diff-get in/out bed
R7DRESSA	r7dressa:w7 r any diff-dressing
R7EATA	r7eata:w7 r any diff-eating
R7TOILTA	r7toilta:w7 r any diff-using the toilet
R7WALKRA	r7walkra:w7 r any diff-walk across room
R8BATHA	r8batha:w8 r any diff-bathing, shower
R8BEDA	r8beda:w8 r any diff-get in/out bed
R8DRESSA	r8dressa:w8 r any diff-dressing
R8EATA	r8eata:w8 r any diff-eating
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V992	E60. HELPER HOW OFTEN
V993	E61. HELPER HOURS PER DAY

## Wave 2 AHEAD HHLIST:

OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN_INHH	hrs w2: # in hhold (r1/r2 only)
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## Wave 3 AHEAD:

D1870	adlck.ckpt for skipping adl series
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D1877 e72f.adl walk help  
 D1887 e73f.adl dress help  
 D1897 e74f.adl bathe help  
 D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7

## Wave 3 AHEAD Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
 E1901 e72f.adl walk help  
 E1911 e73f.adl dress help  
 E1921 e74f.adl bathe help  
 E1931 e75f.adl eat help  
 E1944 e76f.adl bed help  
 E1954 e77f.adl toilet help  
 E1976 e83.who help-11  
 E1990 e84.who help-2  
 E1999 e85.who help-3  
 E2003 e86.who help-4  
 E2007 e87.who help-5  
 E2011 e88.who help-6  
 E2015 e89.who help-7

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2426 e73f.adl dress help  
 F2431 e72.adl walk help  
 F2447 e74f.adl bathe help  
 F2457 e75f.adl eat help  
 F2470 e76f.adl bed help  
 F2480 e77f.adl toilet help  
 F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2541 e89.who help-7

## Wave 4 Helper:

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
F2658	E158-2. HELPER OFTEN
F2659	E158A-2.HELPER PER WEEK
F2660	E158B-2.HELPER EVERY DAY
F2662	E159-2. HELPER HOURS
F2665	E162-2. HELPER PAID

## Wave 5:

G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4
G2831	e87.who help-5
G2835	e88.who help-6
G2839	e89.who help-7

## Wave 5 Helper:

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
OPN	OTHER PERSON NUMBER

## Wave 6:

HG013	chkpnt: count of hg001 through hg012
HG015	help w/dress
HG020	adl walk help
HG022	adl bathe help
HG024	adl eat help
HG029	adl bed help
HG031	adl toilet help
HG032_1	who helps most- adl- 1
HG032_2	who helps- adl- 2
HG032_3	who helps- adl- 3
HG032_4	who helps- adl- 4
HG032_5	who helps- adl- 5
HG032_6	who helps- adl- 6
HG032_7	who helps- adl- 7

## Wave 6 Helper:

HADLNDX	adl helper index
HG069	helper relationship
HG070	freq of help given- days in last month
HG071	freq of help given- days per week
HG072	did helper help every dy
HG073	#hrs of help
HG076	helper paid to help

## Wave 7:

JG013           chkpnt: count of jg001 through jg012  
JG015           help w/dress  
JG020           adl walk help  
JG022           adl bathe help  
JG024           adl eat help  
JG029           adl bed help  
JG031           adl toilet help  
JG032\_1         who helps most- adl- 1  
JG032\_2         who helps- adl- 2  
JG032\_3         who helps- adl- 3  
JG032\_4         who helps- adl- 4  
JG032\_5         who helps- adl- 5  
JG032\_6         who helps- adl- 6  
JG032\_7         who helps- adl- 7

Wave 7 Helper:  
JADLNDX         index connection to the adl table  
JG069           helper relationship  
JG070           freq of help given-days last month  
JG071           # days helper helped  
JG072           did helper help every dy  
JG073           #hrs of help  
JG076           helper given money to help

Wave 8:  
KG013           chkpnt: count of jg001 through jg012  
KG015           help w/dress  
KG020           adl walk help  
KG022           adl bathe help  
KG024           adl eat help  
KG029           adl bed help  
KG031           adl toilet help  
KG032\_1         who helps most- adl- 1  
KG032\_2         who helps- adl- 2  
KG032\_3         who helps- adl- 3  
KG032\_4         who helps- adl- 4  
KG032\_5         who helps- adl- 5  
KG032\_6         who helps- adl- 6  
KG032\_7         who helps- adl- 7

Wave 8 Helper:  
KADLNDX         index connection to the adl table  
KG069           helper relationship  
KG070           freq of help given-days last month  
KG071           # days helper helped  
KG072           did helper help every dy  
KG073           #hrs of help  
KG076           helper given money to help

Wave 9:  
LG013           chkpnt: count of lg001 through lg012  
LG015           help w/dress  
LG020           adl walk help  
LG022           adl bathe help  
LG024           adl eat help  
LG029           adl bed help  
LG031           adl toilet help  
LG032\_1         who helps most- adl- 1  
LG032\_2         who helps- adl- 2  
LG032\_3         who helps- adl- 3  
LG032\_4         who helps- adl- 4  
LG032\_5         who helps- adl- 5  
LG032\_6         who helps- adl- 6  
LG032\_7         who helps- adl- 7

Wave 9 Helper:  
LADLNDX         index connection to the adl table  
LG069           helper relationship

LG070 freq of help given-days last month  
 LG071 # days helper helped  
 LG072 did helper help every day  
 LG073 #hrs of help  
 LG076 helper given money to help  
 Wave 10:  
 MG013 chkpnt: count of mg001 through mg012  
 MG015 help w/dress  
 MG020 adl walk help  
 MG022 adl bathe help  
 MG024 adl eat help  
 MG029 adl bed help  
 MG031 adl toilet help  
 MG032\_1 who helps most- adl- 1  
 MG032\_2 who helps- adl- 2  
 MG032\_3 who helps- adl- 3  
 MG032\_4 who helps- adl- 4  
 MG032\_5 who helps- adl- 5  
 MG032\_6 who helps- adl- 6  
 MG032\_7 who helps- adl- 7  
 Wave 10 Helper:  
 MADLNDX index connection to the adl table  
 MG069 helper relationship -1  
 MG070 freq of help given -1  
 MG071 # days helper helped -1  
 MG072 did helper help every dy -1  
 MG073 #hrs of help -1  
 MG076 helper given money to help -1  
 Wave 11:  
 NG013 chkpnt: count of ng001 through ng012  
 NG015 help w/dress  
 NG020 adl walk help  
 NG022 adl bathe help  
 NG024 adl eat help  
 NG029 adl bed help  
 NG031 adl toilet help  
 NG032\_1 who helps most- adl- 1  
 NG032\_2 who helps- adl- 2  
 NG032\_3 who helps- adl- 3  
 NG032\_4 who helps- adl- 4  
 NG032\_5 who helps- adl- 5  
 NG032\_6 who helps- adl- 6  
 NG032\_7 who helps- adl- 7  
 Wave 11 Helper:  
 NADLNDX index connection to the adl table  
 NG069 helper relationship  
 NG070 freq of help given  
 NG071 # days helper helped  
 NG072 did helper help every dy  
 NG073 #hrs of help  
 NG076 helper given money to help  
 Wave 12:  
 OG013 chkpnt: count of g001 through g012  
 OG015 help w/dress  
 OG020 adl walk help  
 OG022 adl bathe help  
 OG024 adl eat help  
 OG029 adl bed help  
 OG031 adl toilet help  
 OG032\_1 who helps most- adl- 1  
 OG032\_2 who helps- adl- 2  
 OG032\_3 who helps- adl- 3  
 OG032\_4 who helps- adl- 4



OG032_5	who helps- adl- 5
OG032_6	who helps- adl- 6
OG032_7	who helps- adl- 7
Wave 12 Helper:	
OADLNDX	index connection to the adl table
OG069	helper relationship
OG070	freq of help given
OG071	# days helper helped
OG072	did helper help every dy
OG073	#hrs of help
OG076	helper given money to help
Wave 13:	
PG013	chkpnt: count of g001 through g012
PG015	help w/dress
PG020	adl walk help
PG022	adl bathe help
PG024	adl eat help
PG029	adl bed help
PG031	adl toilet help
PG032_1	who helps most- adl- 1
PG032_2	who helps- adl- 2
PG032_3	who helps- adl- 3
PG032_4	who helps- adl- 4
PG032_5	who helps- adl- 5
PG032_6	who helps- adl- 6
PG032_7	who helps- adl- 7
Wave 13 Helper:	
PADLNDX	index connection to the adl table
PG069	helper relationship
PG070	freq of help given
PG071	# days helper helped
PG072	did helper help every dy
PG073	#hrs of help
PG076	helper given money to help
Wave 14:	
QG013	chkpnt: count of g001 through g012
QG015	help w/dress
QG020	adl walk help
QG022	adl bathe help
QG024	adl eat help
QG029	adl bed help
QG031	adl toilet help
QG032_1	who helps most- adl- 1
QG032_2	who helps- adl- 2
QG032_3	who helps- adl- 3
QG032_4	who helps- adl- 4
QG032_5	who helps- adl- 5
QG032_6	who helps- adl- 6
QG032_7	who helps- adl- 7
Wave 14 Helper:	
QADLNDX	INDEX CONNECTION TO THE ADL TABLE
QG069	HELPER RELATIONSHIP
QG070	FREQ OF HELP GIVEN
QG071	# DAYS HELPER HELPED
QG072	DID HELPER HELP EVERY DY
QG073	#HRS OF HELP
QG076	HELPER GIVEN MONEY TO HELP
Wave 15:	
RG013	chkpnt: count of g001 through g012
RG015	help w/dress
RG020	adl walk help
RG022	adl bathe help
RG024	adl eat help

RG029	adl bed help
RG031	adl toilet help
RG032_1	who helps most- adl- 1
RG032_2	who helps- adl- 2
RG032_3	who helps- adl- 3
RG032_4	who helps- adl- 4
RG032_5	who helps- adl- 5
RG032_6	who helps- adl- 6
RG032_7	who helps- adl- 7

## Wave 15 Helper:

RADLNDX	INDEX CONNECTION TO THE ADL TABLE
RG069	HELPER RELATIONSHIP
RG070	FREQ OF HELP GIVEN
RG071	# DAYS HELPER HELPED
RG072	DID HELPER HELP EVERY DY
RG073	#HRS OF HELP
RG076	HELPER GIVEN MONEY TO HELP

<b>Activities of Daily Living: Receives Informal Care from Other Individuals</b>
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Wave	Variable	Label	Type
02	R2RAFCARE	r2rafcare:w2 r receives informal care from non-relatives for	Categ
03	R3RAFCARE	r3rafcare:w3 r receives informal care from non-relatives for	Categ
04	R4RAFCARE	r4rafcare:w4 r receives informal care from non-relatives for	Categ
05	R5RAFCARE	r5rafcare:w5 r receives informal care from non-relatives for	Categ
06	R6RAFCARE	r6rafcare:w6 r receives informal care from non-relatives for	Categ
07	R7RAFCARE	r7rafcare:w7 r receives informal care from non-relatives for	Categ
08	R8RAFCARE	r8rafcare:w8 r receives informal care from non-relatives for	Categ
09	R9RAFCARE	r9rafcare:w9 r receives informal care from non-relatives for	Categ
10	R10RAFCARE	r10rafcare:w10 r receives informal care from non-relatives f	Categ
11	R11RAFCARE	r11rafcare:w11 r receives informal care from non-relatives f	Categ
12	R12RAFCARE	r12rafcare:w12 r receives informal care from non-relatives f	Categ
13	R13RAFCARE	r13rafcare:w13 r receives informal care from non-relatives f	Categ
14	R14RAFCARE	r14rafcare:w14 r receives informal care from non-relatives f	Categ
15	R15RAFCARE	r15rafcare:w15 r receives informal care from non-relatives f	Categ
02	S2RAFCARE	s2rafcare:w2 s receives informal care from non-relatives for	Categ
03	S3RAFCARE	s3rafcare:w3 s receives informal care from non-relatives for	Categ
04	S4RAFCARE	s4rafcare:w4 s receives informal care from non-relatives for	Categ
05	S5RAFCARE	s5rafcare:w5 s receives informal care from non-relatives for	Categ
06	S6RAFCARE	s6rafcare:w6 s receives informal care from non-relatives for	Categ
07	S7RAFCARE	s7rafcare:w7 s receives informal care from non-relatives for	Categ
08	S8RAFCARE	s8rafcare:w8 s receives informal care from non-relatives for	Categ
09	S9RAFCARE	s9rafcare:w9 s receives informal care from non-relatives for	Categ
10	S10RAFCARE	s10rafcare:w10 s receives informal care from non-relatives f	Categ
11	S11RAFCARE	s11rafcare:w11 s receives informal care from non-relatives f	Categ
12	S12RAFCARE	s12rafcare:w12 s receives informal care from non-relatives f	Categ
13	S13RAFCARE	s13rafcare:w13 s receives informal care from non-relatives f	Categ
14	S14RAFCARE	s14rafcare:w14 s receives informal care from non-relatives f	Categ
15	S15RAFCARE	s15rafcare:w15 s receives informal care from non-relatives f	Categ
02	R2RAFCAREN	r2rafcaren:w2 # non-relatives who help r with adls	Cont
03	R3RAFCAREN	r3rafcaren:w3 # non-relatives who help r with adls	Cont
04	R4RAFCAREN	r4rafcaren:w4 # non-relatives who help r with adls	Cont
05	R5RAFCAREN	r5rafcaren:w5 # non-relatives who help r with adls	Cont
06	R6RAFCAREN	r6rafcaren:w6 # non-relatives who help r with adls	Cont
07	R7RAFCAREN	r7rafcaren:w7 # non-relatives who help r with adls	Cont
08	R8RAFCAREN	r8rafcaren:w8 # non-relatives who help r with adls	Cont
09	R9RAFCAREN	r9rafcaren:w9 # non-relatives who help r with adls	Cont
10	R10RAFCAREN	r10rafcaren:w10 # non-relatives who help r with adls	Cont
11	R11RAFCAREN	r11rafcaren:w11 # non-relatives who help r with adls	Cont
12	R12RAFCAREN	r12rafcaren:w12 # non-relatives who help r with adls	Cont
13	R13RAFCAREN	r13rafcaren:w13 # non-relatives who help r with adls	Cont
14	R14RAFCAREN	r14rafcaren:w14 # non-relatives who help r with adls	Cont
15	R15RAFCAREN	r15rafcaren:w15 # non-relatives who help r with adls	Cont
02	S2RAFCAREN	s2rafcaren:w2 # non-relatives who help s with adls	Cont
03	S3RAFCAREN	s3rafcaren:w3 # non-relatives who help s with adls	Cont
04	S4RAFCAREN	s4rafcaren:w4 # non-relatives who help s with adls	Cont
05	S5RAFCAREN	s5rafcaren:w5 # non-relatives who help s with adls	Cont
06	S6RAFCAREN	s6rafcaren:w6 # non-relatives who help s with adls	Cont
07	S7RAFCAREN	s7rafcaren:w7 # non-relatives who help s with adls	Cont
08	S8RAFCAREN	s8rafcaren:w8 # non-relatives who help s with adls	Cont
09	S9RAFCAREN	s9rafcaren:w9 # non-relatives who help s with adls	Cont
10	S10RAFCAREN	s10rafcaren:w10 # non-relatives who help s with adls	Cont
11	S11RAFCAREN	s11rafcaren:w11 # non-relatives who help s with adls	Cont
12	S12RAFCAREN	s12rafcaren:w12 # non-relatives who help s with adls	Cont
13	S13RAFCAREN	s13rafcaren:w13 # non-relatives who help s with adls	Cont

14	S14RAFCAREN	s14rafcaren:w14 # non-relatives who help s with adls	Cont
15	S15RAFCAREN	s15rafcaren:w15 # non-relatives who help s with adls	Cont
03	R3RAFCAREDPM	r3rafcairedpm:w3 days/month non-relatives help r with adls	Cont
04	R4RAFCAREDPM	r4rafcairedpm:w4 days/month non-relatives help r with adls	Cont
05	R5RAFCAREDPM	r5rafcairedpm:w5 days/month non-relatives help r with adls	Cont
06	R6RAFCAREDPM	r6rafcairedpm:w6 days/month non-relatives help r with adls	Cont
07	R7RAFCAREDPM	r7rafcairedpm:w7 days/month non-relatives help r with adls	Cont
08	R8RAFCAREDPM	r8rafcairedpm:w8 days/month non-relatives help r with adls	Cont
09	R9RAFCAREDPM	r9rafcairedpm:w9 days/month non-relatives help r with adls	Cont
10	R10RAFCAREDPM	r10rafcairedpm:w10 days/month non-relatives help r with adls	Cont
11	R11RAFCAREDPM	r11rafcairedpm:w11 days/month non-relatives help r with adls	Cont
12	R12RAFCAREDPM	r12rafcairedpm:w12 days/month non-relatives help r with adls	Cont
13	R13RAFCAREDPM	r13rafcairedpm:w13 days/month non-relatives help r with adls	Cont
14	R14RAFCAREDPM	r14rafcairedpm:w14 days/month non-relatives help r with adls	Cont
15	R15RAFCAREDPM	r15rafcairedpm:w15 days/month non-relatives help r with adls	Cont
03	S3RAFCAREDPM	s3rafcairedpm:w3 days/month non-relatives help s with adls	Cont
04	S4RAFCAREDPM	s4rafcairedpm:w4 days/month non-relatives help s with adls	Cont
05	S5RAFCAREDPM	s5rafcairedpm:w5 days/month non-relatives help s with adls	Cont
06	S6RAFCAREDPM	s6rafcairedpm:w6 days/month non-relatives help s with adls	Cont
07	S7RAFCAREDPM	s7rafcairedpm:w7 days/month non-relatives help s with adls	Cont
08	S8RAFCAREDPM	s8rafcairedpm:w8 days/month non-relatives help s with adls	Cont
09	S9RAFCAREDPM	s9rafcairedpm:w9 days/month non-relatives help s with adls	Cont
10	S10RAFCAREDPM	s10rafcairedpm:w10 days/month non-relatives help s with adls	Cont
11	S11RAFCAREDPM	s11rafcairedpm:w11 days/month non-relatives help s with adls	Cont
12	S12RAFCAREDPM	s12rafcairedpm:w12 days/month non-relatives help s with adls	Cont
13	S13RAFCAREDPM	s13rafcairedpm:w13 days/month non-relatives help s with adls	Cont
14	S14RAFCAREDPM	s14rafcairedpm:w14 days/month non-relatives help s with adls	Cont
15	S15RAFCAREDPM	s15rafcairedpm:w15 days/month non-relatives help s with adls	Cont
03	R3RAFCAREDPMM	r3rafcairedpmm:w3 r # non-relatives missing days of help for	Cont
04	R4RAFCAREDPMM	r4rafcairedpmm:w4 r # non-relatives missing days of help for	Cont
05	R5RAFCAREDPMM	r5rafcairedpmm:w5 r # non-relatives missing days of help for	Cont
06	R6RAFCAREDPMM	r6rafcairedpmm:w6 r # non-relatives missing days of help for	Cont
07	R7RAFCAREDPMM	r7rafcairedpmm:w7 r # non-relatives missing days of help for	Cont
08	R8RAFCAREDPMM	r8rafcairedpmm:w8 r # non-relatives missing days of help for	Cont
09	R9RAFCAREDPMM	r9rafcairedpmm:w9 r # non-relatives missing days of help for	Cont
10	R10RAFCAREDPMM	r10rafcairedpmm:w10 r # non-relatives missing days of help fo	Cont
11	R11RAFCAREDPMM	r11rafcairedpmm:w11 r # non-relatives missing days of help fo	Cont
12	R12RAFCAREDPMM	r12rafcairedpmm:w12 r # non-relatives missing days of help fo	Cont
13	R13RAFCAREDPMM	r13rafcairedpmm:w13 r # non-relatives missing days of help fo	Cont
14	R14RAFCAREDPMM	r14rafcairedpmm:w14 r # non-relatives missing days of help fo	Cont
15	R15RAFCAREDPMM	r15rafcairedpmm:w15 r # non-relatives missing days of help fo	Cont
03	S3RAFCAREDPMM	s3rafcairedpmm:w3 s # non-relatives missing days of help for	Cont
04	S4RAFCAREDPMM	s4rafcairedpmm:w4 s # non-relatives missing days of help for	Cont
05	S5RAFCAREDPMM	s5rafcairedpmm:w5 s # non-relatives missing days of help for	Cont
06	S6RAFCAREDPMM	s6rafcairedpmm:w6 s # non-relatives missing days of help for	Cont
07	S7RAFCAREDPMM	s7rafcairedpmm:w7 s # non-relatives missing days of help for	Cont
08	S8RAFCAREDPMM	s8rafcairedpmm:w8 s # non-relatives missing days of help for	Cont
09	S9RAFCAREDPMM	s9rafcairedpmm:w9 s # non-relatives missing days of help for	Cont
10	S10RAFCAREDPMM	s10rafcairedpmm:w10 s # non-relatives missing days of help fo	Cont
11	S11RAFCAREDPMM	s11rafcairedpmm:w11 s # non-relatives missing days of help fo	Cont
12	S12RAFCAREDPMM	s12rafcairedpmm:w12 s # non-relatives missing days of help fo	Cont
13	S13RAFCAREDPMM	s13rafcairedpmm:w13 s # non-relatives missing days of help fo	Cont
14	S14RAFCAREDPMM	s14rafcairedpmm:w14 s # non-relatives missing days of help fo	Cont
15	S15RAFCAREDPMM	s15rafcairedpmm:w15 s # non-relatives missing days of help fo	Cont
02	R2RAFCAREHR	r2rafcarehr:w2 hours/day non-relatives help r with adls	Cont
03	R3RAFCAREHR	r3rafcarehr:w3 hours/day non-relatives help r with adls	Cont
04	R4RAFCAREHR	r4rafcarehr:w4 hours/day non-relatives help r with adls	Cont
05	R5RAFCAREHR	r5rafcarehr:w5 hours/day non-relatives help r with adls	Cont

06	R6RAFCAREHR	r6rafcarehr:w6 hours/day non-relatives help r with adls	Cont
07	R7RAFCAREHR	r7rafcarehr:w7 hours/day non-relatives help r with adls	Cont
08	R8RAFCAREHR	r8rafcarehr:w8 hours/day non-relatives help r with adls	Cont
09	R9RAFCAREHR	r9rafcarehr:w9 hours/day non-relatives help r with adls	Cont
10	R10RAFCAREHR	r10rafcarehr:w10 hours/day non-relatives help r with adls	Cont
11	R11RAFCAREHR	r11rafcarehr:w11 hours/day non-relatives help r with adls	Cont
12	R12RAFCAREHR	r12rafcarehr:w12 hours/day non-relatives help r with adls	Cont
13	R13RAFCAREHR	r13rafcarehr:w13 hours/day non-relatives help r with adls	Cont
14	R14RAFCAREHR	r14rafcarehr:w14 hours/day non-relatives help r with adls	Cont
15	R15RAFCAREHR	r15rafcarehr:w15 hours/day non-relatives help r with adls	Cont
02	S2RAFCAREHR	s2rafcarehr:w2 hours/day non-relatives help s with adls	Cont
03	S3RAFCAREHR	s3rafcarehr:w3 hours/day non-relatives help s with adls	Cont
04	S4RAFCAREHR	s4rafcarehr:w4 hours/day non-relatives help s with adls	Cont
05	S5RAFCAREHR	s5rafcarehr:w5 hours/day non-relatives help s with adls	Cont
06	S6RAFCAREHR	s6rafcarehr:w6 hours/day non-relatives help s with adls	Cont
07	S7RAFCAREHR	s7rafcarehr:w7 hours/day non-relatives help s with adls	Cont
08	S8RAFCAREHR	s8rafcarehr:w8 hours/day non-relatives help s with adls	Cont
09	S9RAFCAREHR	s9rafcarehr:w9 hours/day non-relatives help s with adls	Cont
10	S10RAFCAREHR	s10rafcarehr:w10 hours/day non-relatives help s with adls	Cont
11	S11RAFCAREHR	s11rafcarehr:w11 hours/day non-relatives help s with adls	Cont
12	S12RAFCAREHR	s12rafcarehr:w12 hours/day non-relatives help s with adls	Cont
13	S13RAFCAREHR	s13rafcarehr:w13 hours/day non-relatives help s with adls	Cont
14	S14RAFCAREHR	s14rafcarehr:w14 hours/day non-relatives help s with adls	Cont
15	S15RAFCAREHR	s15rafcarehr:w15 hours/day non-relatives help s with adls	Cont
02	R2RAFCAREHRM	r2rafcarehrm:w2 r # non-relatives missing hours of help for	Cont
03	R3RAFCAREHRM	r3rafcarehrm:w3 r # non-relatives missing hours of help for	Cont
04	R4RAFCAREHRM	r4rafcarehrm:w4 r # non-relatives missing hours of help for	Cont
05	R5RAFCAREHRM	r5rafcarehrm:w5 r # non-relatives missing hours of help for	Cont
06	R6RAFCAREHRM	r6rafcarehrm:w6 r # non-relatives missing hours of help for	Cont
07	R7RAFCAREHRM	r7rafcarehrm:w7 r # non-relatives missing hours of help for	Cont
08	R8RAFCAREHRM	r8rafcarehrm:w8 r # non-relatives missing hours of help for	Cont
09	R9RAFCAREHRM	r9rafcarehrm:w9 r # non-relatives missing hours of help for	Cont
10	R10RAFCAREHRM	r10rafcarehrm:w10 r # non-relatives missing hours of help fo	Cont
11	R11RAFCAREHRM	r11rafcarehrm:w11 r # non-relatives missing hours of help fo	Cont
12	R12RAFCAREHRM	r12rafcarehrm:w12 r # non-relatives missing hours of help fo	Cont
13	R13RAFCAREHRM	r13rafcarehrm:w13 r # non-relatives missing hours of help fo	Cont
14	R14RAFCAREHRM	r14rafcarehrm:w14 r # non-relatives missing hours of help fo	Cont
15	R15RAFCAREHRM	r15rafcarehrm:w15 r # non-relatives missing hours of help fo	Cont
02	S2RAFCAREHRM	s2rafcarehrm:w2 s # non-relatives missing hours of help for	Cont
03	S3RAFCAREHRM	s3rafcarehrm:w3 s # non-relatives missing hours of help for	Cont
04	S4RAFCAREHRM	s4rafcarehrm:w4 s # non-relatives missing hours of help for	Cont
05	S5RAFCAREHRM	s5rafcarehrm:w5 s # non-relatives missing hours of help for	Cont
06	S6RAFCAREHRM	s6rafcarehrm:w6 s # non-relatives missing hours of help for	Cont
07	S7RAFCAREHRM	s7rafcarehrm:w7 s # non-relatives missing hours of help for	Cont
08	S8RAFCAREHRM	s8rafcarehrm:w8 s # non-relatives missing hours of help for	Cont
09	S9RAFCAREHRM	s9rafcarehrm:w9 s # non-relatives missing hours of help for	Cont
10	S10RAFCAREHRM	s10rafcarehrm:w10 s # non-relatives missing hours of help fo	Cont
11	S11RAFCAREHRM	s11rafcarehrm:w11 s # non-relatives missing hours of help fo	Cont
12	S12RAFCAREHRM	s12rafcarehrm:w12 s # non-relatives missing hours of help fo	Cont
13	S13RAFCAREHRM	s13rafcarehrm:w13 s # non-relatives missing hours of help fo	Cont
14	S14RAFCAREHRM	s14rafcarehrm:w14 s # non-relatives missing hours of help fo	Cont
15	S15RAFCAREHRM	s15rafcarehrm:w15 s # non-relatives missing hours of help fo	Cont
02	R2RAFCAREPD	r2rafcarepd:w2 any non-relative paid for care given to r for	Categ
03	R3RAFCAREPD	r3rafcarepd:w3 any non-relative paid for care given to r for	Categ
04	R4RAFCAREPD	r4rafcarepd:w4 any non-relative paid for care given to r for	Categ
05	R5RAFCAREPD	r5rafcarepd:w5 any non-relative paid for care given to r for	Categ
06	R6RAFCAREPD	r6rafcarepd:w6 any non-relative paid for care given to r for	Categ
07	R7RAFCAREPD	r7rafcarepd:w7 any non-relative paid for care given to r for	Categ
08	R8RAFCAREPD	r8rafcarepd:w8 any non-relative paid for care given to r for	Categ

09	R9RAFCAREPD	r9rafcarepd:w9 any non-relative paid for care given to r for	Categ
10	R10RAFCAREPD	r10rafcarepd:w10 any non-relative paid for care given to r f	Categ
11	R11RAFCAREPD	r11rafcarepd:w11 any non-relative paid for care given to r f	Categ
12	R12RAFCAREPD	r12rafcarepd:w12 any non-relative paid for care given to r f	Categ
13	R13RAFCAREPD	r13rafcarepd:w13 any non-relative paid for care given to r f	Categ
14	R14RAFCAREPD	r14rafcarepd:w14 any non-relative paid for care given to r f	Categ
15	R15RAFCAREPD	r15rafcarepd:w15 any non-relative paid for care given to r f	Categ
02	S2RAFCAREPD	s2rafcarepd:w2 any non-relative paid for care given to s for	Categ
03	S3RAFCAREPD	s3rafcarepd:w3 any non-relative paid for care given to s for	Categ
04	S4RAFCAREPD	s4rafcarepd:w4 any non-relative paid for care given to s for	Categ
05	S5RAFCAREPD	s5rafcarepd:w5 any non-relative paid for care given to s for	Categ
06	S6RAFCAREPD	s6rafcarepd:w6 any non-relative paid for care given to s for	Categ
07	S7RAFCAREPD	s7rafcarepd:w7 any non-relative paid for care given to s for	Categ
08	S8RAFCAREPD	s8rafcarepd:w8 any non-relative paid for care given to s for	Categ
09	S9RAFCAREPD	s9rafcarepd:w9 any non-relative paid for care given to s for	Categ
10	S10RAFCAREPD	s10rafcarepd:w10 any non-relative paid for care given to s f	Categ
11	S11RAFCAREPD	s11rafcarepd:w11 any non-relative paid for care given to s f	Categ
12	S12RAFCAREPD	s12rafcarepd:w12 any non-relative paid for care given to s f	Categ
13	S13RAFCAREPD	s13rafcarepd:w13 any non-relative paid for care given to s f	Categ
14	S14RAFCAREPD	s14rafcarepd:w14 any non-relative paid for care given to s f	Categ
15	S15RAFCAREPD	s15rafcarepd:w15 any non-relative paid for care given to s f	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RAFCARE	659	0.17	0.38	0.00	1.00
R3RAFCARE	1558	0.10	0.30	0.00	1.00
R4RAFCARE	1722	0.14	0.35	0.00	1.00
R5RAFCARE	1650	0.12	0.32	0.00	1.00
R6RAFCARE	1636	0.12	0.32	0.00	1.00
R7RAFCARE	1723	0.13	0.34	0.00	1.00
R8RAFCARE	1658	0.12	0.33	0.00	1.00
R9RAFCARE	1570	0.13	0.34	0.00	1.00
R10RAFCARE	2132	0.16	0.37	0.00	1.00
R11RAFCARE	2008	0.08	0.26	0.00	1.00
R12RAFCARE	1940	0.09	0.29	0.00	1.00
R13RAFCARE	2027	0.08	0.28	0.00	1.00
R14RAFCARE	1553	0.08	0.27	0.00	1.00
R15RAFCARE	1245	0.08	0.27	0.00	1.00
S2RAFCARE	293	0.09	0.29	0.00	1.00
S3RAFCARE	778	0.04	0.19	0.00	1.00
S4RAFCARE	851	0.07	0.26	0.00	1.00
S5RAFCARE	791	0.06	0.24	0.00	1.00
S6RAFCARE	760	0.07	0.25	0.00	1.00
S7RAFCARE	800	0.07	0.26	0.00	1.00
S8RAFCARE	804	0.07	0.26	0.00	1.00
S9RAFCARE	691	0.08	0.26	0.00	1.00
S10RAFCARE	1019	0.08	0.27	0.00	1.00
S11RAFCARE	918	0.03	0.16	0.00	1.00
S12RAFCARE	882	0.05	0.21	0.00	1.00
S13RAFCARE	887	0.03	0.17	0.00	1.00
S14RAFCARE	698	0.03	0.18	0.00	1.00
S15RAFCARE	542	0.03	0.17	0.00	1.00
R2RAFCAREN	659	0.18	0.42	0.00	3.00
R3RAFCAREN	1558	0.11	0.37	0.00	3.00
R4RAFCAREN	1722	0.17	0.47	0.00	6.00
R5RAFCAREN	1650	0.14	0.42	0.00	4.00
R6RAFCAREN	1636	0.12	0.35	0.00	3.00
R7RAFCAREN	1723	0.16	0.44	0.00	4.00

R8RAFCAREN	1658	0.15	0.45	0.00	5.00
R9RAFCAREN	1570	0.18	0.53	0.00	6.00
R10RAFCAREN	2132	0.21	0.54	0.00	5.00
R11RAFCAREN	2008	0.09	0.36	0.00	4.00
R12RAFCAREN	1940	0.11	0.38	0.00	4.00
R13RAFCAREN	2027	0.10	0.37	0.00	4.00
R14RAFCAREN	1553	0.09	0.32	0.00	3.00
R15RAFCAREN	1245	0.09	0.34	0.00	5.00
S2RAFCAREN	293	0.11	0.35	0.00	2.00
S3RAFCAREN	778	0.04	0.20	0.00	2.00
S4RAFCAREN	851	0.09	0.33	0.00	3.00
S5RAFCAREN	791	0.07	0.30	0.00	3.00
S6RAFCAREN	760	0.07	0.26	0.00	2.00
S7RAFCAREN	800	0.09	0.33	0.00	3.00
S8RAFCAREN	804	0.09	0.34	0.00	3.00
S9RAFCAREN	691	0.09	0.33	0.00	3.00
S10RAFCAREN	1019	0.10	0.40	0.00	4.00
S11RAFCAREN	918	0.03	0.21	0.00	3.00
S12RAFCAREN	882	0.05	0.24	0.00	2.00
S13RAFCAREN	887	0.04	0.29	0.00	4.00
S14RAFCAREN	698	0.04	0.21	0.00	2.00
S15RAFCAREN	542	0.03	0.18	0.00	2.00
R3RAFCAREDPM	1558	2.39	8.58	0.00	93.00
R4RAFCAREDPM	1705	2.81	8.87	0.00	85.00
R5RAFCAREDPM	1638	2.57	8.56	0.00	82.00
R6RAFCAREDPM	1632	2.18	7.43	0.00	62.00
R7RAFCAREDPM	1723	2.44	7.95	0.00	63.00
R8RAFCAREDPM	1656	2.42	7.93	0.00	82.00
R9RAFCAREDPM	1569	2.59	8.36	0.00	69.00
R10RAFCAREDPM	2125	3.17	9.42	0.00	92.00
R11RAFCAREDPM	2004	1.28	5.89	0.00	77.00
R12RAFCAREDPM	1937	1.38	5.94	0.00	62.00
R13RAFCAREDPM	2021	1.34	6.27	0.00	62.00
R14RAFCAREDPM	1549	1.29	5.61	0.00	35.00
R15RAFCAREDPM	1243	1.17	5.49	0.00	66.00
S3RAFCAREDPM	778	0.60	3.72	0.00	36.00
S4RAFCAREDPM	847	1.34	6.04	0.00	53.00
S5RAFCAREDPM	788	1.28	5.85	0.00	60.00
S6RAFCAREDPM	760	1.14	5.12	0.00	31.00
S7RAFCAREDPM	800	1.13	5.25	0.00	52.00
S8RAFCAREDPM	803	1.45	6.21	0.00	62.00
S9RAFCAREDPM	691	1.37	5.76	0.00	56.00
S10RAFCAREDPM	1015	1.36	6.17	0.00	58.00
S11RAFCAREDPM	917	0.24	1.97	0.00	30.00
S12RAFCAREDPM	881	0.49	3.06	0.00	31.00
S13RAFCAREDPM	885	0.31	2.60	0.00	31.00
S14RAFCAREDPM	698	0.38	2.93	0.00	31.00
S15RAFCAREDPM	541	0.53	3.78	0.00	31.00
R3RAFCAREDPMM	1558	0.00	0.00	0.00	0.00
R4RAFCAREDPMM	1722	0.01	0.12	0.00	3.00
R5RAFCAREDPMM	1650	0.00	0.05	0.00	1.00
R6RAFCAREDPMM	1636	0.00	0.06	0.00	1.00
R7RAFCAREDPMM	1723	0.00	0.03	0.00	1.00
R8RAFCAREDPMM	1658	0.00	0.05	0.00	1.00
R9RAFCAREDPMM	1570	0.00	0.04	0.00	1.00
R10RAFCAREDPMM	2132	0.00	0.07	0.00	1.00
R11RAFCAREDPMM	2008	0.00	0.04	0.00	1.00
R12RAFCAREDPMM	1940	0.00	0.05	0.00	1.00
R13RAFCAREDPMM	2027	0.01	0.10	0.00	3.00

R14RAFCAREDPMM	1553	0.00	0.06	0.00	1.00
R15RAFCAREDPMM	1245	0.00	0.04	0.00	1.00
S3RAFCAREDPMM	778	0.00	0.00	0.00	0.00
S4RAFCAREDPMM	851	0.00	0.03	0.00	1.00
S5RAFCAREDPMM	791	0.00	0.04	0.00	1.00
S6RAFCAREDPMM	760	0.00	0.00	0.00	0.00
S7RAFCAREDPMM	800	0.00	0.04	0.00	1.00
S8RAFCAREDPMM	804	0.00	0.05	0.00	1.00
S9RAFCAREDPMM	691	0.00	0.00	0.00	0.00
S10RAFCAREDPMM	1019	0.00	0.06	0.00	1.00
S11RAFCAREDPMM	918	0.00	0.03	0.00	1.00
S12RAFCAREDPMM	882	0.00	0.03	0.00	1.00
S13RAFCAREDPMM	887	0.01	0.11	0.00	3.00
S14RAFCAREDPMM	698	0.00	0.00	0.00	0.00
S15RAFCAREDPMM	542	0.00	0.04	0.00	1.00
R2RAFCAREHR	655	1.17	3.98	0.00	36.00
R3RAFCAREHR	1555	0.71	3.44	0.00	48.00
R4RAFCAREHR	1702	0.89	3.95	0.00	72.00
R5RAFCAREHR	1633	0.71	3.23	0.00	48.00
R6RAFCAREHR	1624	0.78	3.40	0.00	48.00
R7RAFCAREHR	1708	0.96	4.11	0.00	52.00
R8RAFCAREHR	1643	0.83	4.45	0.00	120.00
R9RAFCAREHR	1556	1.06	5.09	0.00	96.00
R10RAFCAREHR	2095	1.10	4.56	0.00	61.00
R11RAFCAREHR	1995	0.44	2.97	0.00	48.00
R12RAFCAREHR	1921	0.52	3.05	0.00	48.00
R13RAFCAREHR	2009	0.50	2.89	0.00	48.00
R14RAFCAREHR	1540	0.39	2.30	0.00	29.00
R15RAFCAREHR	1232	0.33	2.05	0.00	41.00
S2RAFCAREHR	293	0.61	2.98	0.00	24.00
S3RAFCAREHR	778	0.17	1.45	0.00	24.00
S4RAFCAREHR	847	0.42	2.37	0.00	32.00
S5RAFCAREHR	787	0.37	2.43	0.00	48.00
S6RAFCAREHR	758	0.46	2.47	0.00	24.00
S7RAFCAREHR	794	0.38	2.07	0.00	24.00
S8RAFCAREHR	799	0.43	2.22	0.00	24.00
S9RAFCAREHR	688	0.48	2.45	0.00	24.00
S10RAFCAREHR	1010	0.40	2.49	0.00	42.00
S11RAFCAREHR	914	0.07	0.62	0.00	10.00
S12RAFCAREHR	874	0.13	0.95	0.00	16.00
S13RAFCAREHR	884	0.14	1.75	0.00	48.00
S14RAFCAREHR	695	0.16	1.44	0.00	24.00
S15RAFCAREHR	540	0.09	0.68	0.00	8.00
R2RAFCAREHRM	659	0.01	0.09	0.00	1.00
R3RAFCAREHRM	1558	0.00	0.04	0.00	1.00
R4RAFCAREHRM	1722	0.02	0.16	0.00	3.00
R5RAFCAREHRM	1650	0.01	0.11	0.00	2.00
R6RAFCAREHRM	1636	0.01	0.09	0.00	1.00
R7RAFCAREHRM	1723	0.01	0.13	0.00	2.00
R8RAFCAREHRM	1658	0.01	0.11	0.00	1.00
R9RAFCAREHRM	1570	0.01	0.13	0.00	2.00
R10RAFCAREHRM	2132	0.02	0.16	0.00	2.00
R11RAFCAREHRM	2008	0.01	0.10	0.00	2.00
R12RAFCAREHRM	1940	0.02	0.14	0.00	2.00
R13RAFCAREHRM	2027	0.01	0.13	0.00	3.00
R14RAFCAREHRM	1553	0.01	0.09	0.00	1.00
R15RAFCAREHRM	1245	0.01	0.14	0.00	2.00
S2RAFCAREHRM	293	0.00	0.06	0.00	1.00



S3RAFCAREHRM	778	0.00	0.00	0.00	0.00
S4RAFCAREHRM	851	0.01	0.08	0.00	1.00
S5RAFCAREHRM	791	0.01	0.07	0.00	1.00
S6RAFCAREHRM	760	0.00	0.05	0.00	1.00
S7RAFCAREHRM	800	0.01	0.11	0.00	1.00
S8RAFCAREHRM	804	0.01	0.09	0.00	1.00
S9RAFCAREHRM	691	0.00	0.07	0.00	1.00
S10RAFCAREHRM	1019	0.01	0.13	0.00	2.00
S11RAFCAREHRM	918	0.00	0.07	0.00	1.00
S12RAFCAREHRM	882	0.01	0.11	0.00	2.00
S13RAFCAREHRM	887	0.01	0.12	0.00	3.00
S14RAFCAREHRM	698	0.00	0.07	0.00	1.00
S15RAFCAREHRM	542	0.00	0.04	0.00	1.00
R2RAFCAREPD	658	0.15	0.35	0.00	1.00
R3RAFCAREPD	1558	0.07	0.25	0.00	1.00
R4RAFCAREPD	1707	0.09	0.28	0.00	1.00
R5RAFCAREPD	1641	0.08	0.27	0.00	1.00
R6RAFCAREPD	1628	0.08	0.27	0.00	1.00
R7RAFCAREPD	1711	0.09	0.28	0.00	1.00
R8RAFCAREPD	1649	0.09	0.28	0.00	1.00
R9RAFCAREPD	1557	0.09	0.28	0.00	1.00
R10RAFCAREPD	2105	0.10	0.30	0.00	1.00
R11RAFCAREPD	2001	0.02	0.16	0.00	1.00
R12RAFCAREPD	1925	0.03	0.17	0.00	1.00
R13RAFCAREPD	2016	0.03	0.16	0.00	1.00
R14RAFCAREPD	1545	0.03	0.16	0.00	1.00
R15RAFCAREPD	1238	0.03	0.17	0.00	1.00
S2RAFCAREPD	293	0.08	0.27	0.00	1.00
S3RAFCAREPD	778	0.02	0.15	0.00	1.00
S4RAFCAREPD	848	0.05	0.22	0.00	1.00
S5RAFCAREPD	789	0.05	0.21	0.00	1.00
S6RAFCAREPD	758	0.05	0.22	0.00	1.00
S7RAFCAREPD	794	0.04	0.20	0.00	1.00
S8RAFCAREPD	804	0.06	0.23	0.00	1.00
S9RAFCAREPD	689	0.04	0.21	0.00	1.00
S10RAFCAREPD	1011	0.05	0.21	0.00	1.00
S11RAFCAREPD	916	0.01	0.09	0.00	1.00
S12RAFCAREPD	875	0.01	0.12	0.00	1.00
S13RAFCAREPD	885	0.01	0.09	0.00	1.00
S14RAFCAREPD	695	0.01	0.12	0.00	1.00
S15RAFCAREPD	542	0.01	0.12	0.00	1.00

### Categorical Variable Codes

Value-----	R2RAFCARE	R3RAFCARE	R4RAFCARE	R5RAFCARE
.d:DK	1	1	3	1
.f:infrequent care	252			
.h:no help received	870	1776	2090	1976
.m:Missing	3	39	28	1
.q:not asked this wave	11595			
.r:Refuse		2		3
.x:no difficulties	6437	14615	17541	15947
0.no	546	1404	1479	1454
1.yes	113	154	243	196

Value-----	R6RAFCARE	R7RAFCARE	R8RAFCARE	R9RAFCARE	R10RAFCARE
.d:DK	2			8	17
.h:no help received	1804	1840	1972	1777	2114
.m:Missing	7	10	8	2	2
.r:Refuse	1		1		3
.x:no difficulties	14715	16556	14830	13860	17766
0.no	1447	1498	1451	1360	1784
1.yes	189	225	207	210	348

Value-----	R11RAFCARE	R12RAFCARE	R13RAFCARE	R14RAFCARE	R15RAFCARE
.d:DK	30	25	20	23	26
.h:no help received	1931	1882	1966	1699	1996
.m:Missing	1	1			6
.r:Refuse	6	9	6	7	6
.x:no difficulties	16578	14890	16893	13864	12444
0.no	1857	1759	1857	1433	1150
1.yes	151	181	170	120	95
Value-----	S2RAFCARE	S3RAFCARE	S4RAFCARE	S5RAFCARE	
.f:infrequent care	110				
.h:no help received	340	884	1034		999
.m:Missing	2	12	7		
.q:not asked this wave	8738				
.r:Refuse					1
.u:not coupled	5976	5659	6870		6537
.v:SP NR	578	416	536		311
.x:no difficulties	3605	10242	12086		10939
0.no	266	750	789		742
1.yes	27	28	62		49
Value-----	S6RAFCARE	S7RAFCARE	S8RAFCARE	S9RAFCARE	S10RAFCARE
.d:DK				3	5
.h:no help received	838	861	924	803	961
.m:Missing	3	1	1	2	
.r:Refuse					1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10031	11306	9999	9141	11522
0.no	709	744	747	639	941
1.yes	51	56	57	52	78
Value-----	S11RAFCARE	S12RAFCARE	S13RAFCARE	S14RAFCARE	S15RAFCARE
.d:DK	12	8	7	2	8
.h:no help received	900	815	816	648	894
.m:Missing					1
.r:Refuse	1		2	2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10645	9307	10066	8008	7020
0.no	895	840	860	674	526
1.yes	23	42	27	24	16
Value-----	R2RAFCAREPD	R3RAFCAREPD	R4RAFCAREPD	R5RAFCAREPD	
.d:DK		1	1	6	2
.f:infrequent care		252			
.h:no help received		870	1776	2090	1976
.m:Missing		3	39	39	9
.q:not asked this wave	11595				
.r:Refuse			2	1	3
.w:less than weekly help		1			
.x:no difficulties		6437	14615	17541	15947
0.no		561	1453	1558	1515
1.yes		97	105	149	126
Value-----	R6RAFCAREPD	R7RAFCAREPD	R8RAFCAREPD	R9RAFCAREPD	R10RAFCAREPD
.d:DK	2		1	8	19
.h:no help received	1804	1840	1972	1777	2114
.m:Missing	15	22	15	14	27
.r:Refuse	1		2	1	3
.x:no difficulties	14715	16556	14830	13860	17766
0.no	1501	1560	1503	1424	1891
1.yes	127	151	146	133	214
Value-----	R11RAFCAREPD	R12RAFCAREPD	R13RAFCAREPD	R14RAFCAREPD	R15RAFCAREPD
.d:DK	30	26	20	23	26
.h:no help received	1931	1882	1966	1699	1996
.m:Missing	8	14	11	7	12
.r:Refuse	6	10	6	8	7
.x:no difficulties	16578	14890	16893	13864	12444
0.no	1951	1869	1964	1502	1200
1.yes	50	56	52	43	38
Value-----	S2RAFCAREPD	S3RAFCAREPD	S4RAFCAREPD	S5RAFCAREPD	
.f:infrequent care	110				

.h:no help received		340	884	1034	999
.m:Missing		2	12	10	2
.q:not asked this wave		8738			
.r:Refuse					1
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:no difficulties		3605	10242	12086	10939
0.no		270	760	805	751
1.yes		23	18	43	38
Value-----	S6RAFCAREPD	S7RAFCAREPD	S8RAFCAREPD	S9RAFCAREPD	S10RAFCAREPD
.d:DK				3	5
.h:no help received	838	861	924	803	961
.m:Missing	5	7	1	4	8
.r:Refuse					1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10031	11306	9999	9141	11522
0.no	720	760	758	658	962
1.yes	38	34	46	31	49
Value-----	S11RAFCAREPD	S12RAFCAREPD	S13RAFCAREPD	S14RAFCAREPD	S15RAFCAREPD
.d:DK	12	8	7	2	8
.h:no help received	900	815	816	648	894
.m:Missing	2	7	2	3	1
.r:Refuse	1		2	2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10645	9307	10066	8008	7020
0.no	908	863	878	685	534
1.yes	8	12	7	10	8

## How Constructed:

The following variables indicate whether any non-relative helps the respondent with any ADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In Waves 3 and onward, if the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, and are coded as special missing .h if the respondent reports difficulty with an ADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRAFCARE, RwRAFCAREN, RwRAFCAREDP, RwRAFCAREDPMM, RwRAFCAREHR, RwRAFCAREHRM, and RwRAFCAREPD include help from other individuals in the AHEAD cohort in Wave 2 and in Waves 3 through 5. These variables include help from other individuals and persons of unknown relationships in Waves 6 and onward.

RwRAFCARE indicates whether any of the respondent's non-relatives help the respondent with ADL needs. RwRAFCAREN indicates the number of the respondent's non-relatives who help the respondent with ADL needs. RwRAFCARE is coded as 0 if none of the respondent's non-relatives help the respondent with ADLs, and is coded as 1 if at least one of the respondent's non-relatives help the respondent with ADLs. In Wave 2, RwRAFCARE and RwRAFCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRAFCARE and RwRAFCAREN are not available in Wave 1.

RwRAFCAREDPM indicates the number of total days per month the respondent's non-relatives help the respondent with ADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRAFCAREDPM is the sum of days per month for

all non-relative helpers, and so values can be over 31 days. RWR AFCAREDPM is calculated as long as there is one non-missing value. RWR AFCAREDPMM indicates the number of non-relatives who helped the respondent for whom no value of days was reported and was not accounted for in RWR AFCAREDPM. RWR AFCAREDPMM is assigned special missing .m if the respondent was not helped by any non-relatives or prior information was missing. RWR AFCAREDPM and RWR AFCAREDPMM are not available in Waves 1 and 2.

RWR AFCAREHR indicates the number of hours per day the respondent's non-relatives help the respondent with ADL needs. Respondents are asked, on days their non-relatives help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RWR AFCAREHR is the sum of hours per day for all non-relative helpers, and so values can be over 24 hours. RWR AFCAREHR is calculated as long as there is one non-missing value. RWR AFCAREHRM indicates the number of non-relatives who helped the respondent for whom no value of hours was reported and was not accounted for in RWR AFCAREHR. RWR AFCAREHR is assigned a special missing .w in the AHEAD cohort in Wave 2 if this question is not asked because the respondent's non-relative helpers help less than once per week. RWR AFCAREHRM is assigned special missing .m if the respondent was not helped by any non-relatives or prior information was missing. In Wave 2, RWR AFCAREHR and RWR AFCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RWR AFCAREHR and RWR AFCAREHRM are not available in Wave 1.

RWR AFCAREPD indicates whether any of the respondent's non-relative helpers are paid for the care given to the respondent for ADL needs. RWR AFCAREPD is assigned a value of 0 if the respondent receives no care from non-relatives, or the respondent does receive care from non-relatives and none of them are paid. RWR AFCAREPD is assigned a value of 1 if the respondent receives care from non-relatives and at least one of them is paid for the care given to the respondent. RWR AFCAREPD is assigned a special missing .w in the AHEAD cohort in Wave 2 if this question is not asked because the respondent's non-relative helpers help less than once per week. In Wave 2, RWR AFCAREPD is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RWR AFCAREPD is not available in Wave 1.

SWR AFCARE, SWR AFCAREN, SWR AFCAREDPM, SWR AFCAREHR, and SWR AFCAREPD indicate whether the respondent's current wave's spouse receives help from non-relatives, the number, the frequency with which, and whether any are paid, and their values are taken from RWR AFCARE, RWR AFCAREN, RWR AFCAREDPM, RWR AFCAREHR, and RWR AFCAREPD. SWR AFCAREDPMM and SWR AFCAREHRM indicate the number of non-relatives who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RWR AFCAREDPMM and RWR AFCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Respondents are asked who helps them with ADLs, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWR AFCARE, RWR AFCAREN, and RWR AFCAREPD are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RWR AFCARE, RWR AFCAREN, and RWR AFCAREPD are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a non-relative helps them with ADLs, and were asked how frequently and the number of hours that the non-relative provides help. However, the frequency of help is not comparable to other waves and so RWR AFCAREDPM and RWR AFCAREDPMM are not available in this wave. The number of hours that the non-relative helps is comparable, and so RWR AFCAREHR and RWR AFCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RWR AFCAREHR and RWR AFCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with ADLs, and are asked about the number of days or number of hours that the respondent's non-relative helps the respondent. As such, RwfAFCAREDPm and RwfAFCAREDPmM are available beginning in Wave 3.

In the AHEAD cohort in Wave 2, respondents are not asked whether the helper is paid if they help less than once per week. Starting in Wave 3, respondents are asked whether the helper is paid regardless of the frequency of the help.

### HRS Variables Used:

#### RAND HRS:

R10BATHA	r10batha:w10	r any diff-bathing, shower
R10BEDA	r10beda:w10	r any diff-get in/out bed
R10DRESSA	r10dressa:w10	r any diff-dressing
R10EATA	r10eata:w10	r any diff-eating
R10TOILTA	r10toilta:w10	r any diff-using the toilet
R10WALKRA	r10walkra:w10	r any diff-walk across room
R11BATHA	r11batha:w11	r any diff-bathing, shower
R11BEDA	r11beda:w11	r any diff-get in/out bed
R11DRESSA	r11dressa:w11	r any diff-dressing
R11EATA	r11eata:w11	r any diff-eating
R11TOILTA	r11toilta:w11	r any diff-using the toilet
R11WALKRA	r11walkra:w11	r any diff-walk across room
R12BATHA	r12batha:w12	r any diff-bathing, shower
R12BEDA	r12beda:w12	r any diff-get in/out bed
R12DRESSA	r12dressa:w12	r any diff-dressing
R12EATA	r12eata:w12	r any diff-eating
R12TOILTA	r12toilta:w12	r any diff-using the toilet
R12WALKRA	r12walkra:w12	r any diff-walk across room
R13BATHA	r13batha:w13	r any diff-bathing, shower
R13BEDA	r13beda:w13	r any diff-get in/out bed
R13DRESSA	r13dressa:w13	r any diff-dressing
R13EATA	r13eata:w13	r any diff-eating
R13TOILTA	r13toilta:w13	r any diff-using the toilet
R13WALKRA	r13walkra:w13	r any diff-walk across room
R14BATHA	r14batha:w14	r any diff-bathing, shower
R14BEDA	r14beda:w14	r any diff-get in/out bed
R14DRESSA	r14dressa:w14	r any diff-dressing
R14EATA	r14eata:w14	r any diff-eating
R14TOILTA	r14toilta:w14	r any diff-using the toilet
R14WALKRA	r14walkra:w14	r any diff-walk across room
R15BATHA	r15batha:w15	r any diff-bathing, shower
R15BEDA	r15beda:w15	r any diff-get in/out bed
R15DRESSA	r15dressa:w15	r any diff-dressing
R15EATA	r15eata:w15	r any diff-eating
R15TOILTA	r15toilta:w15	r any diff-using the toilet
R15WALKRA	r15walkra:w15	r any diff-walk across room
R3BATHA	r3batha:w3	r any diff-bathing, shower
R3BEDA	r3beda:w3	r any diff-get in/out bed
R3DRESSA	r3dressa:w3	r any diff-dressing
R3EATA	r3eata:w3	r any diff-eating
R3TOILTA	r3toilta:w3	r any diff-using the toilet
R3WALKRA	r3walkra:w3	r any diff-walk across room
R4BATHA	r4batha:w4	r any diff-bathing, shower
R4BEDA	r4beda:w4	r any diff-get in/out bed
R4DRESSA	r4dressa:w4	r any diff-dressing
R4EATA	r4eata:w4	r any diff-eating
R4TOILTA	r4toilta:w4	r any diff-using the toilet
R4WALKRA	r4walkra:w4	r any diff-walk across room
R5BATHA	r5batha:w5	r any diff-bathing, shower
R5BEDA	r5beda:w5	r any diff-get in/out bed
R5DRESSA	r5dressa:w5	r any diff-dressing

R5EATA	r5eata:w5 r any diff-eating
R5TOILTA	r5toilta:w5 r any diff-using the toilet
R5WALKRA	r5walkra:w5 r any diff-walk across room
R6BATHA	r6batha:w6 r any diff-bathing, shower
R6BEDA	r6beda:w6 r any diff-get in/out bed
R6DRESSA	r6dressa:w6 r any diff-dressing
R6EATA	r6eata:w6 r any diff-eating
R6TOILTA	r6toilta:w6 r any diff-using the toilet
R6WALKRA	r6walkra:w6 r any diff-walk across room
R7BATHA	r7batha:w7 r any diff-bathing, shower
R7BEDA	r7beda:w7 r any diff-get in/out bed
R7DRESSA	r7dressa:w7 r any diff-dressing
R7EATA	r7eata:w7 r any diff-eating
R7TOILTA	r7toilta:w7 r any diff-using the toilet
R7WALKRA	r7walkra:w7 r any diff-walk across room
R8BATHA	r8batha:w8 r any diff-bathing, shower
R8BEDA	r8beda:w8 r any diff-get in/out bed
R8DRESSA	r8dressa:w8 r any diff-dressing
R8EATA	r8eata:w8 r any diff-eating
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V992	E60. HELPER HOW OFTEN
V993	E61. HELPER HOURS PER DAY

## Wave 2 AHEAD HHLIST:

OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN_INHH	hrs w2: # in hhold (r1/r2 only)
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## Wave 3 AHEAD:

D1870	adlck.ckpt for skipping adl series
D1877	e72f.adl walk help
D1887	e73f.adl dress help

D1897 e74f.adl bathe help  
 D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7

## Wave 3 AHEAD Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
 E1901 e72f.adl walk help  
 E1911 e73f.adl dress help  
 E1921 e74f.adl bathe help  
 E1931 e75f.adl eat help  
 E1944 e76f.adl bed help  
 E1954 e77f.adl toilet help  
 E1976 e83.who help-11  
 E1990 e84.who help-2  
 E1999 e85.who help-3  
 E2003 e86.who help-4  
 E2007 e87.who help-5  
 E2011 e88.who help-6  
 E2015 e89.who help-7

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2426 e73f.adl dress help  
 F2431 e72.adl walk help  
 F2447 e74f.adl bathe help  
 F2457 e75f.adl eat help  
 F2470 e76f.adl bed help  
 F2480 e77f.adl toilet help  
 F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2541 e89.who help-7

## Wave 4 Helper:

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
F2658	E158-2. HELPER OFTEN
F2659	E158A-2.HELPER PER WEEK
F2660	E158B-2.HELPER EVERY DAY
F2662	E159-2. HELPER HOURS
F2665	E162-2. HELPER PAID

## Wave 5:

G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4
G2831	e87.who help-5
G2835	e88.who help-6
G2839	e89.who help-7

## Wave 5 Helper:

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
OPN	OTHER PERSON NUMBER

## Wave 6:

HG013	chkpnt: count of hg001 through hg012
HG015	help w/dress
HG020	adl walk help
HG022	adl bathe help
HG024	adl eat help
HG029	adl bed help
HG031	adl toilet help
HG032_1	who helps most- adl- 1
HG032_2	who helps- adl- 2
HG032_3	who helps- adl- 3
HG032_4	who helps- adl- 4
HG032_5	who helps- adl- 5
HG032_6	who helps- adl- 6
HG032_7	who helps- adl- 7

## Wave 6 Helper:

HADLNDX	adl helper index
HG069	helper relationship
HG070	freq of help given- days in last month
HG071	freq of help given- days per week
HG072	did helper help every dy
HG073	#hrs of help
HG076	helper paid to help

## Wave 7:

JG013	chkpnt: count of jg001 through jg012
JG015	help w/dress



JG020	adl walk help
JG022	adl bathe help
JG024	adl eat help
JG029	adl bed help
JG031	adl toilet help
JG032_1	who helps most- adl- 1
JG032_2	who helps- adl- 2
JG032_3	who helps- adl- 3
JG032_4	who helps- adl- 4
JG032_5	who helps- adl- 5
JG032_6	who helps- adl- 6
JG032_7	who helps- adl- 7
Wave 7 Helper:	
JADLNDX	index connection to the adl table
JG069	helper relationship
JG070	freq of help given-days last month
JG071	# days helper helped
JG072	did helper help every dy
JG073	#hrs of help
JG076	helper given money to help
Wave 8:	
KG013	chkpnt: count of jg001 through jg012
KG015	help w/dress
KG020	adl walk help
KG022	adl bathe help
KG024	adl eat help
KG029	adl bed help
KG031	adl toilet help
KG032_1	who helps most- adl- 1
KG032_2	who helps- adl- 2
KG032_3	who helps- adl- 3
KG032_4	who helps- adl- 4
KG032_5	who helps- adl- 5
KG032_6	who helps- adl- 6
KG032_7	who helps- adl- 7
Wave 8 Helper:	
KADLNDX	index connection to the adl table
KG069	helper relationship
KG070	freq of help given-days last month
KG071	# days helper helped
KG072	did helper help every dy
KG073	#hrs of help
KG076	helper given money to help
Wave 9:	
LG013	chkpnt: count of lg001 through lg012
LG015	help w/dress
LG020	adl walk help
LG022	adl bathe help
LG024	adl eat help
LG029	adl bed help
LG031	adl toilet help
LG032_1	who helps most- adl- 1
LG032_2	who helps- adl- 2
LG032_3	who helps- adl- 3
LG032_4	who helps- adl- 4
LG032_5	who helps- adl- 5
LG032_6	who helps- adl- 6
LG032_7	who helps- adl- 7
Wave 9 Helper:	
LADLNDX	index connection to the adl table
LG069	helper relationship
LG070	freq of help given-days last month
LG071	# days helper helped

LG072 did helper help every day  
LG073 #hrs of help  
LG076 helper given money to help

Wave 10:

MG013 chkpnt: count of mg001 through mg012  
MG015 help w/dress  
MG020 adl walk help  
MG022 adl bathe help  
MG024 adl eat help  
MG029 adl bed help  
MG031 adl toilet help  
MG032\_1 who helps most- adl- 1  
MG032\_2 who helps- adl- 2  
MG032\_3 who helps- adl- 3  
MG032\_4 who helps- adl- 4  
MG032\_5 who helps- adl- 5  
MG032\_6 who helps- adl- 6  
MG032\_7 who helps- adl- 7

Wave 10 Helper:

MADLNDX index connection to the adl table  
MG069 helper relationship -1  
MG070 freq of help given -1  
MG071 # days helper helped -1  
MG072 did helper help every dy -1  
MG073 #hrs of help -1  
MG076 helper given money to help -1

Wave 11:

NG013 chkpnt: count of ng001 through ng012  
NG015 help w/dress  
NG020 adl walk help  
NG022 adl bathe help  
NG024 adl eat help  
NG029 adl bed help  
NG031 adl toilet help  
NG032\_1 who helps most- adl- 1  
NG032\_2 who helps- adl- 2  
NG032\_3 who helps- adl- 3  
NG032\_4 who helps- adl- 4  
NG032\_5 who helps- adl- 5  
NG032\_6 who helps- adl- 6  
NG032\_7 who helps- adl- 7

Wave 11 Helper:

NADLNDX index connection to the adl table  
NG069 helper relationship  
NG070 freq of help given  
NG071 # days helper helped  
NG072 did helper help every dy  
NG073 #hrs of help  
NG076 helper given money to help

Wave 12:

OG013 chkpnt: count of g001 through g012  
OG015 help w/dress  
OG020 adl walk help  
OG022 adl bathe help  
OG024 adl eat help  
OG029 adl bed help  
OG031 adl toilet help  
OG032\_1 who helps most- adl- 1  
OG032\_2 who helps- adl- 2  
OG032\_3 who helps- adl- 3  
OG032\_4 who helps- adl- 4  
OG032\_5 who helps- adl- 5  
OG032\_6 who helps- adl- 6

OG032\_7 who helps- adl- 7

Wave 12 Helper:

OADLNDX index connection to the adl table

OG069 helper relationship

OG070 freq of help given

OG071 # days helper helped

OG072 did helper help every dy

OG073 #hrs of help

OG076 helper given money to help

Wave 13:

PG013 chkpnt: count of g001 through g012

PG015 help w/dress

PG020 adl walk help

PG022 adl bathe help

PG024 adl eat help

PG029 adl bed help

PG031 adl toilet help

PG032\_1 who helps most- adl- 1

PG032\_2 who helps- adl- 2

PG032\_3 who helps- adl- 3

PG032\_4 who helps- adl- 4

PG032\_5 who helps- adl- 5

PG032\_6 who helps- adl- 6

PG032\_7 who helps- adl- 7

Wave 13 Helper:

PADLNDX index connection to the adl table

PG069 helper relationship

PG070 freq of help given

PG071 # days helper helped

PG072 did helper help every dy

PG073 #hrs of help

PG076 helper given money to help

Wave 14:

QG013 chkpnt: count of g001 through g012

QG015 help w/dress

QG020 adl walk help

QG022 adl bathe help

QG024 adl eat help

QG029 adl bed help

QG031 adl toilet help

QG032\_1 who helps most- adl- 1

QG032\_2 who helps- adl- 2

QG032\_3 who helps- adl- 3

QG032\_4 who helps- adl- 4

QG032\_5 who helps- adl- 5

QG032\_6 who helps- adl- 6

QG032\_7 who helps- adl- 7

Wave 14 Helper:

QADLNDX INDEX CONNECTION TO THE ADL TABLE

QG069 HELPER RELATIONSHIP

QG070 FREQ OF HELP GIVEN

QG071 # DAYS HELPER HELPED

QG072 DID HELPER HELP EVERY DY

QG073 #HRS OF HELP

QG076 HELPER GIVEN MONEY TO HELP

Wave 15:

RG013 chkpnt: count of g001 through g012

RG015 help w/dress

RG020 adl walk help

RG022 adl bathe help

RG024 adl eat help

RG029 adl bed help

RG031 adl toilet help

RG032_1	who helps most- adl- 1
RG032_2	who helps- adl- 2
RG032_3	who helps- adl- 3
RG032_4	who helps- adl- 4
RG032_5	who helps- adl- 5
RG032_6	who helps- adl- 6
RG032_7	who helps- adl- 7

## Wave 15 Helper:

RADLNDX	INDEX CONNECTION TO THE ADL TABLE
RG069	HELPER RELATIONSHIP
RG070	FREQ OF HELP GIVEN
RG071	# DAYS HELPER HELPED
RG072	DID HELPER HELP EVERY DY
RG073	#HRS OF HELP
RG076	HELPER GIVEN MONEY TO HELP

<b>Activities of Daily Living: Whether Receives Any Formal Care</b>
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Wave	Variable	Label	Type
02	R2RAFAANY	r2rafaany:w2 r receives any formal care for adls	Categ
03	R3RAFAANY	r3rafaany:w3 r receives any formal care for adls	Categ
04	R4RAFAANY	r4rafaany:w4 r receives any formal care for adls	Categ
05	R5RAFAANY	r5rafaany:w5 r receives any formal care for adls	Categ
06	R6RAFAANY	r6rafaany:w6 r receives any formal care for adls	Categ
07	R7RAFAANY	r7rafaany:w7 r receives any formal care for adls	Categ
08	R8RAFAANY	r8rafaany:w8 r receives any formal care for adls	Categ
09	R9RAFAANY	r9rafaany:w9 r receives any formal care for adls	Categ
10	R10RAFAANY	r10rafaany:w10 r receives any formal care for adls	Categ
11	R11RAFAANY	r11rafaany:w11 r receives any formal care for adls	Categ
12	R12RAFAANY	r12rafaany:w12 r receives any formal care for adls	Categ
13	R13RAFAANY	r13rafaany:w13 r receives any formal care for adls	Categ
14	R14RAFAANY	r14rafaany:w14 r receives any formal care for adls	Categ
15	R15RAFAANY	r15rafaany:w15 r receives any formal care for adls	Categ
02	S2RAFAANY	s2rafaany:w2 s receives any formal care for adls	Categ
03	S3RAFAANY	s3rafaany:w3 s receives any formal care for adls	Categ
04	S4RAFAANY	s4rafaany:w4 s receives any formal care for adls	Categ
05	S5RAFAANY	s5rafaany:w5 s receives any formal care for adls	Categ
06	S6RAFAANY	s6rafaany:w6 s receives any formal care for adls	Categ
07	S7RAFAANY	s7rafaany:w7 s receives any formal care for adls	Categ
08	S8RAFAANY	s8rafaany:w8 s receives any formal care for adls	Categ
09	S9RAFAANY	s9rafaany:w9 s receives any formal care for adls	Categ
10	S10RAFAANY	s10rafaany:w10 s receives any formal care for adls	Categ
11	S11RAFAANY	s11rafaany:w11 s receives any formal care for adls	Categ
12	S12RAFAANY	s12rafaany:w12 s receives any formal care for adls	Categ
13	S13RAFAANY	s13rafaany:w13 s receives any formal care for adls	Categ
14	S14RAFAANY	s14rafaany:w14 s receives any formal care for adls	Categ
15	S15RAFAANY	s15rafaany:w15 s receives any formal care for adls	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RAFAANY	1529	0.09	0.28	0.00	1.00
R3RAFAANY	3334	0.04	0.20	0.00	1.00
R4RAFAANY	3812	0.06	0.23	0.00	1.00
R5RAFAANY	3626	0.05	0.22	0.00	1.00
R6RAFAANY	3441	0.16	0.36	0.00	1.00
R7RAFAANY	3563	0.14	0.35	0.00	1.00
R8RAFAANY	3630	0.14	0.35	0.00	1.00
R9RAFAANY	3347	0.16	0.36	0.00	1.00
R10RAFAANY	4246	0.13	0.34	0.00	1.00
R11RAFAANY	3939	0.18	0.38	0.00	1.00
R12RAFAANY	3822	0.17	0.37	0.00	1.00
R13RAFAANY	3993	0.16	0.36	0.00	1.00
R14RAFAANY	3252	0.14	0.35	0.00	1.00
R15RAFAANY	3241	0.10	0.30	0.00	1.00
S2RAFAANY	633	0.06	0.23	0.00	1.00
S3RAFAANY	1662	0.03	0.17	0.00	1.00
S4RAFAANY	1885	0.03	0.18	0.00	1.00
S5RAFAANY	1790	0.03	0.17	0.00	1.00
S6RAFAANY	1598	0.07	0.26	0.00	1.00
S7RAFAANY	1661	0.07	0.25	0.00	1.00
S8RAFAANY	1728	0.07	0.25	0.00	1.00
S9RAFAANY	1494	0.06	0.24	0.00	1.00

S10RAFAANY	1980	0.07	0.26	0.00	1.00
S11RAFAANY	1818	0.09	0.29	0.00	1.00
S12RAFAANY	1697	0.08	0.27	0.00	1.00
S13RAFAANY	1703	0.09	0.29	0.00	1.00
S14RAFAANY	1346	0.09	0.28	0.00	1.00
S15RAFAANY	1436	0.05	0.22	0.00	1.00

### Categorical Variable Codes

Value-----	R2RAFAANY	R3RAFAANY	R4RAFAANY	R5RAFAANY
.d:DK	1	1	3	1
.f:infrequent care	252			
.m:Missing	3	39	28	1
.q:not asked this wave	11595			
.r:Refuse		2		3
.x:no difficulties	6437	14615	17541	15947
0.no	1394	3193	3597	3448
1.yes	135	141	215	178

Value-----	R6RAFAANY	R7RAFAANY	R8RAFAANY	R9RAFAANY	R10RAFAANY
.d:DK	2			8	17
.m:Missing	7	10	8	2	2
.r:Refuse			1		3
.x:no difficulties	14715	16556	14830	13860	17766
0.no	2897	3055	3108	2821	3698
1.yes	544	508	522	526	548

Value-----	R11RAFAANY	R12RAFAANY	R13RAFAANY	R14RAFAANY	R15RAFAANY
.d:DK	30	25	20	23	26
.m:Missing	1	1			6
.r:Refuse	6	9	6	7	6
.x:no difficulties	16578	14890	16893	13864	12444
0.no	3228	3180	3372	2799	2911
1.yes	711	642	621	453	330

Value-----	S2RAFAANY	S3RAFAANY	S4RAFAANY	S5RAFAANY
.f:infrequent care	110			
.m:Missing	2	12	7	
.q:not asked this wave	8738			
.r:Refuse				1
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3605	10242	12086	10939
0.no	596	1611	1822	1738
1.yes	37	51	63	52

Value-----	S6RAFAANY	S7RAFAANY	S8RAFAANY	S9RAFAANY	S10RAFAANY
.d:DK				3	5
.m:Missing	3	1	1	2	
.r:Refuse					1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10031	11306	9999	9141	11522
0.no	1479	1551	1609	1401	1836
1.yes	119	110	119	93	144

Value-----	S11RAFAANY	S12RAFAANY	S13RAFAANY	S14RAFAANY	S15RAFAANY
.d:DK	12	8	7	2	8
.m:Missing					1
.r:Refuse	1		2	2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10645	9307	10066	8008	7020
0.no	1648	1562	1551	1228	1363
1.yes	170	135	152	118	73

### How Constructed:

RwRAFAANY indicates whether the respondent receives any formal care for difficulties with activities of daily living (ADL). The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. In the AHEAD cohort in Wave 2, if the respondent

reports having difficulty with an ADL, then they are asked whether someone helps them with that activity, and if so, who helps them with that activity. In Waves 3 and onward, if the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs. The information used to derive this variable is taken from the respondent-level and helper-level HRS helper files.

For the AHEAD cohort in Wave 2, the following relationship is considered to provide formal care: organization/agency. In Waves 3 through 5, the following relationships are considered to provide formal care: professional, employee of institution, and organization. In Waves 6 and onward, the following relationships are considered to provide formal care: organization, employee of institution, paid helper, professional, and specified professional.

RwRAFAANY is assigned a value of 0 if the respondent has difficulty with at least one ADL but receives no help with the activity from a formal caregiver or does not receive any help at all. RwRAFAANY is assigned a value of 1 if the respondent has difficulty with at least one ADL and a formal caregiver helps with at least one of the activities. RwRAFAANY is assigned special missing .x if the respondent has no difficulty with any ADLs. Respondents in the AHEAD cohort in Wave 2 are not asked who helps them with ADLs if they report receiving help with the ADL some of the time or occasionally (as opposed to most/all of the time), in which case RwRAFAANY is assigned special missing .f. These questions are not asked for the HRS cohort in Wave 2, so RwRAFAANY is assigned special missing .q in this wave. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRAFAANY is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRAFAANY indicates whether the respondent's current wave's spouse receives any formal care for difficulties with ADLs, and its values are taken from RwRAFAANY. In addition to the special missing codes employed by RwRAFAANY, SwRAFAANY employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

These questions are not asked at all in Wave 1 and for the HRS cohort in Wave 2.

In the AHEAD cohort in Wave 2, if the respondent reports receiving help with an ADL, then they are asked how frequently they receive help with that activity. If the respondent reports receiving help most/all of the time, then they are asked who helps them with that activity. They are not asked who helps them if they report receiving help some of the time or occasionally.

In Waves 3 and onward, if the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs.

The options for type of relationship change slightly between the AHEAD cohort in Wave 2, Waves 3 through 5, and Waves 6 and onward, but these categories have been combined to keep the definitions as similar as possible between waves for RwRAFAANY.

## HRS Variables Used:

RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11TOILTA	r11toilta:w11 r any diff-using the toilet

R11WALKRA r11walkra:w11 r any diff-walk across room  
R12BATHA r12batha:w12 r any diff-bathing, shower  
R12BEDA r12beda:w12 r any diff-get in/out bed  
R12DRESSA r12dressa:w12 r any diff-dressing  
R12EATA r12eata:w12 r any diff-eating  
R12TOILTA r12toilta:w12 r any diff-using the toilet  
R12WALKRA r12walkra:w12 r any diff-walk across room  
R13BATHA r13batha:w13 r any diff-bathing, shower  
R13BEDA r13beda:w13 r any diff-get in/out bed  
R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5TOILTA r5toilta:w5 r any diff-using the toilet  
R5WALKRA r5walkra:w5 r any diff-walk across room  
R6BATHA r6batha:w6 r any diff-bathing, shower  
R6BEDA r6beda:w6 r any diff-get in/out bed  
R6DRESSA r6dressa:w6 r any diff-dressing  
R6EATA r6eata:w6 r any diff-eating  
R6TOILTA r6toilta:w6 r any diff-using the toilet  
R6WALKRA r6walkra:w6 r any diff-walk across room  
R7BATHA r7batha:w7 r any diff-bathing, shower  
R7BEDA r7beda:w7 r any diff-get in/out bed  
R7DRESSA r7dressa:w7 r any diff-dressing  
R7EATA r7eata:w7 r any diff-eating  
R7TOILTA r7toilta:w7 r any diff-using the toilet  
R7WALKRA r7walkra:w7 r any diff-walk across room  
R8BATHA r8batha:w8 r any diff-bathing, shower  
R8BEDA r8beda:w8 r any diff-get in/out bed  
R8DRESSA r8dressa:w8 r any diff-dressing  
R8EATA r8eata:w8 r any diff-eating  
R8TOILTA r8toilta:w8 r any diff-using the toilet  
R8WALKRA r8walkra:w8 r any diff-walk across room  
R9BATHA r9batha:w9 r any diff-bathing, shower  
R9BEDA r9beda:w9 r any diff-get in/out bed



R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room
Wave 2 AHEAD:	
B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps
Wave 2 AHEAD Helper:	
BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
Wave 2 AHEAD HHLIST:	
OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R
Wave 2 HRS:	
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D1870	adlck.ckpt for skipping adl series
D1877	e72f.adl walk help
D1887	e73f.adl dress help
D1897	e74f.adl bathe help
D1907	e75f.adl eat help
D1920	e76f.adl bed help
D1930	e77f.adl toilet help
D1961	e83.who help-11
D1975	e84.who help-2
D1984	e85.who help-3
D1988	e86.who help-4
D1992	e87.who help-5
D1996	e88.who help-6
D2000	e89.who help-7
Wave 3 AHEAD Helper:	
D2135A	HELPER RELATIONSHIP COMBINED SOURCE
OPN	OTHER PERSON NUMBER
Wave 3 HRS:	
E1894	adlck.ckpt for skipping adl series
E1901	e72f.adl walk help
E1911	e73f.adl dress help
E1921	e74f.adl bathe help
E1931	e75f.adl eat help
E1944	e76f.adl bed help
E1954	e77f.adl toilet help
E1976	e83.who help-11
E1990	e84.who help-2
E1999	e85.who help-3

E2003	e86.who help-4
E2007	e87.who help-5
E2011	e88.who help-6
E2015	e89.who help-7
Wave 3 HRS Helper:	
E2120A	HELPER RELATIONSHIP COMBINED SOURCE
OPN	OTHER PERSON NUMBER
Wave 4:	
F2426	e73f.adl dress help
F2431	e72.adl walk help
F2447	e74f.adl bathe help
F2457	e75f.adl eat help
F2470	e76f.adl bed help
F2480	e77f.adl toilet help
F2502	e83.who help-11
F2516	e84.who help-2
F2525	e85.who help-3
F2529	e86.who help-4
F2533	e87.who help-5
F2537	e88.who help-6
F2541	e89.who help-7
Wave 4 Helper:	
F2639A	HELPER RELATIONSHIP COMBINED SOURCE
Wave 5:	
G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4
G2831	e87.who help-5
G2835	e88.who help-6
G2839	e89.who help-7
Wave 5 Helper:	
G2947A	HELPER RELATIONSHIP COMBINED SOURCE
OPN	OTHER PERSON NUMBER
Wave 6:	
HG013	chkpnt: count of hg001 through hg012
HG015	help w/dress
HG020	adl walk help
HG022	adl bathe help
HG024	adl eat help
HG029	adl bed help
HG031	adl toilet help
HG032_1	who helps most- adl- 1
HG032_2	who helps- adl- 2
HG032_3	who helps- adl- 3
HG032_4	who helps- adl- 4
HG032_5	who helps- adl- 5
HG032_6	who helps- adl- 6
HG032_7	who helps- adl- 7
Wave 6 Helper:	
HADLNDX	adl helper index
HG069	helper relationship
Wave 7:	
JG013	chkpnt: count of jg001 through jg012
JG015	help w/dress
JG020	adl walk help
JG022	adl bathe help

JG024 adl eat help  
JG029 adl bed help  
JG031 adl toilet help  
JG032\_1 who helps most- adl- 1  
JG032\_2 who helps- adl- 2  
JG032\_3 who helps- adl- 3  
JG032\_4 who helps- adl- 4  
JG032\_5 who helps- adl- 5  
JG032\_6 who helps- adl- 6  
JG032\_7 who helps- adl- 7

Wave 7 Helper:  
JADLNDX index connection to the adl table  
JG069 helper relationship

Wave 8:  
KG013 chkpnt: count of jg001 through jg012  
KG015 help w/dress  
KG020 adl walk help  
KG022 adl bathe help  
KG024 adl eat help  
KG029 adl bed help  
KG031 adl toilet help  
KG032\_1 who helps most- adl- 1  
KG032\_2 who helps- adl- 2  
KG032\_3 who helps- adl- 3  
KG032\_4 who helps- adl- 4  
KG032\_5 who helps- adl- 5  
KG032\_6 who helps- adl- 6  
KG032\_7 who helps- adl- 7

Wave 8 Helper:  
KADLNDX index connection to the adl table  
KG069 helper relationship

Wave 9:  
LG013 chkpnt: count of lg001 through lg012  
LG015 help w/dress  
LG020 adl walk help  
LG022 adl bathe help  
LG024 adl eat help  
LG029 adl bed help  
LG031 adl toilet help  
LG032\_1 who helps most- adl- 1  
LG032\_2 who helps- adl- 2  
LG032\_3 who helps- adl- 3  
LG032\_4 who helps- adl- 4  
LG032\_5 who helps- adl- 5  
LG032\_6 who helps- adl- 6  
LG032\_7 who helps- adl- 7

Wave 9 Helper:  
LADLNDX index connection to the adl table  
LG069 helper relationship

Wave 10:  
MG013 chkpnt: count of mg001 through mg012  
MG015 help w/dress  
MG020 adl walk help  
MG022 adl bathe help  
MG024 adl eat help  
MG029 adl bed help  
MG031 adl toilet help  
MG032\_1 who helps most- adl- 1  
MG032\_2 who helps- adl- 2  
MG032\_3 who helps- adl- 3  
MG032\_4 who helps- adl- 4  
MG032\_5 who helps- adl- 5  
MG032\_6 who helps- adl- 6

MG032\_7            who helps- adl- 7  
Wave 10 Helper:  
  MADLNDX           index connection to the adl table  
  MG069            helper relationship -1  
Wave 11:  
  NG013            chkpnt: count of ng001 through ng012  
  NG015            help w/dress  
  NG020            adl walk help  
  NG022            adl bathe help  
  NG024            adl eat help  
  NG029            adl bed help  
  NG031            adl toilet help  
  NG032\_1          who helps most- adl- 1  
  NG032\_2          who helps- adl- 2  
  NG032\_3          who helps- adl- 3  
  NG032\_4          who helps- adl- 4  
  NG032\_5          who helps- adl- 5  
  NG032\_6          who helps- adl- 6  
  NG032\_7          who helps- adl- 7  
Wave 11 Helper:  
  NADLNDX           index connection to the adl table  
  NG069            helper relationship  
Wave 12:  
  OG013            chkpnt: count of g001 through g012  
  OG015            help w/dress  
  OG020            adl walk help  
  OG022            adl bathe help  
  OG024            adl eat help  
  OG029            adl bed help  
  OG031            adl toilet help  
  OG032\_1          who helps most- adl- 1  
  OG032\_2          who helps- adl- 2  
  OG032\_3          who helps- adl- 3  
  OG032\_4          who helps- adl- 4  
  OG032\_5          who helps- adl- 5  
  OG032\_6          who helps- adl- 6  
  OG032\_7          who helps- adl- 7  
Wave 12 Helper:  
  OADLNDX           index connection to the adl table  
  OG069            helper relationship  
Wave 13:  
  PG013            chkpnt: count of g001 through g012  
  PG015            help w/dress  
  PG020            adl walk help  
  PG022            adl bathe help  
  PG024            adl eat help  
  PG029            adl bed help  
  PG031            adl toilet help  
  PG032\_1          who helps most- adl- 1  
  PG032\_2          who helps- adl- 2  
  PG032\_3          who helps- adl- 3  
  PG032\_4          who helps- adl- 4  
  PG032\_5          who helps- adl- 5  
  PG032\_6          who helps- adl- 6  
  PG032\_7          who helps- adl- 7  
Wave 13 Helper:  
  PADLNDX           index connection to the adl table  
  PG069            helper relationship  
Wave 14:  
  QG013            chkpnt: count of g001 through g012  
  QG015            help w/dress  
  QG020            adl walk help  
  QG022            adl bathe help

QG024	adl eat help
QG029	adl bed help
QG031	adl toilet help
QG032_1	who helps most- adl- 1
QG032_2	who helps- adl- 2
QG032_3	who helps- adl- 3
QG032_4	who helps- adl- 4
QG032_5	who helps- adl- 5
QG032_6	who helps- adl- 6
QG032_7	who helps- adl- 7
Wave 14 Helper:	
QADLNDX	INDEX CONNECTION TO THE ADL TABLE
QG069	HELPER RELATIONSHIP
Wave 15:	
RG013	chkpnt: count of g001 through g012
RG015	help w/dress
RG020	adl walk help
RG022	adl bathe help
RG024	adl eat help
RG029	adl bed help
RG031	adl toilet help
RG032_1	who helps most- adl- 1
RG032_2	who helps- adl- 2
RG032_3	who helps- adl- 3
RG032_4	who helps- adl- 4
RG032_5	who helps- adl- 5
RG032_6	who helps- adl- 6
RG032_7	who helps- adl- 7
Wave 15 Helper:	
RADLNDX	INDEX CONNECTION TO THE ADL TABLE
RG069	HELPER RELATIONSHIP

<b>Activities of Daily Living: Receives Formal Care from Paid Professionals</b>
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Wave	Variable	Label	Type
02	R2RAPFCARE	r2rapfcare:w2 r receives formal care from paid professional	Categ
03	R3RAPFCARE	r3rapfcare:w3 r receives formal care from paid professional	Categ
04	R4RAPFCARE	r4rapfcare:w4 r receives formal care from paid professional	Categ
05	R5RAPFCARE	r5rapfcare:w5 r receives formal care from paid professional	Categ
06	R6RAPFCARE	r6rapfcare:w6 r receives formal care from paid professional	Categ
07	R7RAPFCARE	r7rapfcare:w7 r receives formal care from paid professional	Categ
08	R8RAPFCARE	r8rapfcare:w8 r receives formal care from paid professional	Categ
09	R9RAPFCARE	r9rapfcare:w9 r receives formal care from paid professional	Categ
10	R10RAPFCARE	r10rapfcare:w10 r receives formal care from paid professional	Categ
11	R11RAPFCARE	r11rapfcare:w11 r receives formal care from paid professional	Categ
12	R12RAPFCARE	r12rapfcare:w12 r receives formal care from paid professional	Categ
13	R13RAPFCARE	r13rapfcare:w13 r receives formal care from paid professional	Categ
14	R14RAPFCARE	r14rapfcare:w14 r receives formal care from paid professional	Categ
15	R15RAPFCARE	r15rapfcare:w15 r receives formal care from paid professional	Categ
02	S2RAPFCARE	s2rapfcare:w2 s receives formal care from paid professional	Categ
03	S3RAPFCARE	s3rapfcare:w3 s receives formal care from paid professional	Categ
04	S4RAPFCARE	s4rapfcare:w4 s receives formal care from paid professional	Categ
05	S5RAPFCARE	s5rapfcare:w5 s receives formal care from paid professional	Categ
06	S6RAPFCARE	s6rapfcare:w6 s receives formal care from paid professional	Categ
07	S7RAPFCARE	s7rapfcare:w7 s receives formal care from paid professional	Categ
08	S8RAPFCARE	s8rapfcare:w8 s receives formal care from paid professional	Categ
09	S9RAPFCARE	s9rapfcare:w9 s receives formal care from paid professional	Categ
10	S10RAPFCARE	s10rapfcare:w10 s receives formal care from paid professional	Categ
11	S11RAPFCARE	s11rapfcare:w11 s receives formal care from paid professional	Categ
12	S12RAPFCARE	s12rapfcare:w12 s receives formal care from paid professional	Categ
13	S13RAPFCARE	s13rapfcare:w13 s receives formal care from paid professional	Categ
14	S14RAPFCARE	s14rapfcare:w14 s receives formal care from paid professional	Categ
15	S15RAPFCARE	s15rapfcare:w15 s receives formal care from paid professional	Categ
02	R2RAPFCAREN	r2rapfcaren:w2 # paid professionals who help r with adls	Cont
03	R3RAPFCAREN	r3rapfcaren:w3 # paid professionals who help r with adls	Cont
04	R4RAPFCAREN	r4rapfcaren:w4 # paid professionals who help r with adls	Cont
05	R5RAPFCAREN	r5rapfcaren:w5 # paid professionals who help r with adls	Cont
06	R6RAPFCAREN	r6rapfcaren:w6 # paid professionals who help r with adls	Cont
07	R7RAPFCAREN	r7rapfcaren:w7 # paid professionals who help r with adls	Cont
08	R8RAPFCAREN	r8rapfcaren:w8 # paid professionals who help r with adls	Cont
09	R9RAPFCAREN	r9rapfcaren:w9 # paid professionals who help r with adls	Cont
10	R10RAPFCAREN	r10rapfcaren:w10 # paid professionals who help r with adls	Cont
11	R11RAPFCAREN	r11rapfcaren:w11 # paid professionals who help r with adls	Cont
12	R12RAPFCAREN	r12rapfcaren:w12 # paid professionals who help r with adls	Cont
13	R13RAPFCAREN	r13rapfcaren:w13 # paid professionals who help r with adls	Cont
14	R14RAPFCAREN	r14rapfcaren:w14 # paid professionals who help r with adls	Cont
15	R15RAPFCAREN	r15rapfcaren:w15 # paid professionals who help r with adls	Cont
02	S2RAPFCAREN	s2rapfcaren:w2 # paid professionals who help s with adls	Cont
03	S3RAPFCAREN	s3rapfcaren:w3 # paid professionals who help s with adls	Cont
04	S4RAPFCAREN	s4rapfcaren:w4 # paid professionals who help s with adls	Cont
05	S5RAPFCAREN	s5rapfcaren:w5 # paid professionals who help s with adls	Cont
06	S6RAPFCAREN	s6rapfcaren:w6 # paid professionals who help s with adls	Cont
07	S7RAPFCAREN	s7rapfcaren:w7 # paid professionals who help s with adls	Cont
08	S8RAPFCAREN	s8rapfcaren:w8 # paid professionals who help s with adls	Cont
09	S9RAPFCAREN	s9rapfcaren:w9 # paid professionals who help s with adls	Cont
10	S10RAPFCAREN	s10rapfcaren:w10 # paid professionals who help s with adls	Cont
11	S11RAPFCAREN	s11rapfcaren:w11 # paid professionals who help s with adls	Cont
12	S12RAPFCAREN	s12rapfcaren:w12 # paid professionals who help s with adls	Cont
13	S13RAPFCAREN	s13rapfcaren:w13 # paid professionals who help s with adls	Cont

14	S14RAPFCAREN	s14rapfcaren:w14 # paid professionals who help s with adls	Cont
15	S15RAPFCAREN	s15rapfcaren:w15 # paid professionals who help s with adls	Cont
03	R3RAPFCAREDPM	r3rapfcaredpm:w3 days/month paid professionals help r with a	Cont
04	R4RAPFCAREDPM	r4rapfcaredpm:w4 days/month paid professionals help r with a	Cont
05	R5RAPFCAREDPM	r5rapfcaredpm:w5 days/month paid professionals help r with a	Cont
06	R6RAPFCAREDPM	r6rapfcaredpm:w6 days/month paid professionals help r with a	Cont
07	R7RAPFCAREDPM	r7rapfcaredpm:w7 days/month paid professionals help r with a	Cont
08	R8RAPFCAREDPM	r8rapfcaredpm:w8 days/month paid professionals help r with a	Cont
09	R9RAPFCAREDPM	r9rapfcaredpm:w9 days/month paid professionals help r with a	Cont
10	R10RAPFCAREDPM	r10rapfcaredpm:w10 days/month paid professionals help r with	Cont
11	R11RAPFCAREDPM	r11rapfcaredpm:w11 days/month paid professionals help r with	Cont
12	R12RAPFCAREDPM	r12rapfcaredpm:w12 days/month paid professionals help r with	Cont
13	R13RAPFCAREDPM	r13rapfcaredpm:w13 days/month paid professionals help r with	Cont
14	R14RAPFCAREDPM	r14rapfcaredpm:w14 days/month paid professionals help r with	Cont
15	R15RAPFCAREDPM	r15rapfcaredpm:w15 days/month paid professionals help r with	Cont
03	S3RAPFCAREDPM	s3rapfcaredpm:w3 days/month paid professionals help s with a	Cont
04	S4RAPFCAREDPM	s4rapfcaredpm:w4 days/month paid professionals help s with a	Cont
05	S5RAPFCAREDPM	s5rapfcaredpm:w5 days/month paid professionals help s with a	Cont
06	S6RAPFCAREDPM	s6rapfcaredpm:w6 days/month paid professionals help s with a	Cont
07	S7RAPFCAREDPM	s7rapfcaredpm:w7 days/month paid professionals help s with a	Cont
08	S8RAPFCAREDPM	s8rapfcaredpm:w8 days/month paid professionals help s with a	Cont
09	S9RAPFCAREDPM	s9rapfcaredpm:w9 days/month paid professionals help s with a	Cont
10	S10RAPFCAREDPM	s10rapfcaredpm:w10 days/month paid professionals help s with	Cont
11	S11RAPFCAREDPM	s11rapfcaredpm:w11 days/month paid professionals help s with	Cont
12	S12RAPFCAREDPM	s12rapfcaredpm:w12 days/month paid professionals help s with	Cont
13	S13RAPFCAREDPM	s13rapfcaredpm:w13 days/month paid professionals help s with	Cont
14	S14RAPFCAREDPM	s14rapfcaredpm:w14 days/month paid professionals help s with	Cont
15	S15RAPFCAREDPM	s15rapfcaredpm:w15 days/month paid professionals help s with	Cont
03	R3RAPFCAREDPMM	r3rapfcaredpmm:w3 r # paid professionals missing days of hel	Cont
04	R4RAPFCAREDPMM	r4rapfcaredpmm:w4 r # paid professionals missing days of hel	Cont
05	R5RAPFCAREDPMM	r5rapfcaredpmm:w5 r # paid professionals missing days of hel	Cont
06	R6RAPFCAREDPMM	r6rapfcaredpmm:w6 r # paid professionals missing days of hel	Cont
07	R7RAPFCAREDPMM	r7rapfcaredpmm:w7 r # paid professionals missing days of hel	Cont
08	R8RAPFCAREDPMM	r8rapfcaredpmm:w8 r # paid professionals missing days of hel	Cont
09	R9RAPFCAREDPMM	r9rapfcaredpmm:w9 r # paid professionals missing days of hel	Cont
10	R10RAPFCAREDPMM	r10rapfcaredpmm:w10 r # paid professionals missing days of h	Cont
11	R11RAPFCAREDPMM	r11rapfcaredpmm:w11 r # paid professionals missing days of h	Cont
12	R12RAPFCAREDPMM	r12rapfcaredpmm:w12 r # paid professionals missing days of h	Cont
13	R13RAPFCAREDPMM	r13rapfcaredpmm:w13 r # paid professionals missing days of h	Cont
14	R14RAPFCAREDPMM	r14rapfcaredpmm:w14 r # paid professionals missing days of h	Cont
15	R15RAPFCAREDPMM	r15rapfcaredpmm:w15 r # paid professionals missing days of h	Cont
03	S3RAPFCAREDPMM	s3rapfcaredpmm:w3 s # paid professionals missing days of hel	Cont
04	S4RAPFCAREDPMM	s4rapfcaredpmm:w4 s # paid professionals missing days of hel	Cont
05	S5RAPFCAREDPMM	s5rapfcaredpmm:w5 s # paid professionals missing days of hel	Cont
06	S6RAPFCAREDPMM	s6rapfcaredpmm:w6 s # paid professionals missing days of hel	Cont
07	S7RAPFCAREDPMM	s7rapfcaredpmm:w7 s # paid professionals missing days of hel	Cont
08	S8RAPFCAREDPMM	s8rapfcaredpmm:w8 s # paid professionals missing days of hel	Cont
09	S9RAPFCAREDPMM	s9rapfcaredpmm:w9 s # paid professionals missing days of hel	Cont
10	S10RAPFCAREDPMM	s10rapfcaredpmm:w10 s # paid professionals missing days of h	Cont
11	S11RAPFCAREDPMM	s11rapfcaredpmm:w11 s # paid professionals missing days of h	Cont
12	S12RAPFCAREDPMM	s12rapfcaredpmm:w12 s # paid professionals missing days of h	Cont
13	S13RAPFCAREDPMM	s13rapfcaredpmm:w13 s # paid professionals missing days of h	Cont
14	S14RAPFCAREDPMM	s14rapfcaredpmm:w14 s # paid professionals missing days of h	Cont
15	S15RAPFCAREDPMM	s15rapfcaredpmm:w15 s # paid professionals missing days of h	Cont
02	R2RAPFCAREHR	r2rapfcarehr:w2 hours/day paid professionals help r with adl	Cont
03	R3RAPFCAREHR	r3rapfcarehr:w3 hours/day paid professionals help r with adl	Cont
04	R4RAPFCAREHR	r4rapfcarehr:w4 hours/day paid professionals help r with adl	Cont
05	R5RAPFCAREHR	r5rapfcarehr:w5 hours/day paid professionals help r with adl	Cont

06	R6RAPFCAREHR	r6rapfcarehr:w6 hours/day paid professionals help r with adl	Cont
07	R7RAPFCAREHR	r7rapfcarehr:w7 hours/day paid professionals help r with adl	Cont
08	R8RAPFCAREHR	r8rapfcarehr:w8 hours/day paid professionals help r with adl	Cont
09	R9RAPFCAREHR	r9rapfcarehr:w9 hours/day paid professionals help r with adl	Cont
10	R10RAPFCAREHR	r10rapfcarehr:w10 hours/day paid professionals help r with a	Cont
11	R11RAPFCAREHR	r11rapfcarehr:w11 hours/day paid professionals help r with a	Cont
12	R12RAPFCAREHR	r12rapfcarehr:w12 hours/day paid professionals help r with a	Cont
13	R13RAPFCAREHR	r13rapfcarehr:w13 hours/day paid professionals help r with a	Cont
14	R14RAPFCAREHR	r14rapfcarehr:w14 hours/day paid professionals help r with a	Cont
15	R15RAPFCAREHR	r15rapfcarehr:w15 hours/day paid professionals help r with a	Cont
02	S2RAPFCAREHR	s2rapfcarehr:w2 hours/day paid professionals help s with adl	Cont
03	S3RAPFCAREHR	s3rapfcarehr:w3 hours/day paid professionals help s with adl	Cont
04	S4RAPFCAREHR	s4rapfcarehr:w4 hours/day paid professionals help s with adl	Cont
05	S5RAPFCAREHR	s5rapfcarehr:w5 hours/day paid professionals help s with adl	Cont
06	S6RAPFCAREHR	s6rapfcarehr:w6 hours/day paid professionals help s with adl	Cont
07	S7RAPFCAREHR	s7rapfcarehr:w7 hours/day paid professionals help s with adl	Cont
08	S8RAPFCAREHR	s8rapfcarehr:w8 hours/day paid professionals help s with adl	Cont
09	S9RAPFCAREHR	s9rapfcarehr:w9 hours/day paid professionals help s with adl	Cont
10	S10RAPFCAREHR	s10rapfcarehr:w10 hours/day paid professionals help s with a	Cont
11	S11RAPFCAREHR	s11rapfcarehr:w11 hours/day paid professionals help s with a	Cont
12	S12RAPFCAREHR	s12rapfcarehr:w12 hours/day paid professionals help s with a	Cont
13	S13RAPFCAREHR	s13rapfcarehr:w13 hours/day paid professionals help s with a	Cont
14	S14RAPFCAREHR	s14rapfcarehr:w14 hours/day paid professionals help s with a	Cont
15	S15RAPFCAREHR	s15rapfcarehr:w15 hours/day paid professionals help s with a	Cont
02	R2RAPFCAREHRM	r2rapfcarehrm:w2 r # paid professionals missing hours of hel	Cont
03	R3RAPFCAREHRM	r3rapfcarehrm:w3 r # paid professionals missing hours of hel	Cont
04	R4RAPFCAREHRM	r4rapfcarehrm:w4 r # paid professionals missing hours of hel	Cont
05	R5RAPFCAREHRM	r5rapfcarehrm:w5 r # paid professionals missing hours of hel	Cont
06	R6RAPFCAREHRM	r6rapfcarehrm:w6 r # paid professionals missing hours of hel	Cont
07	R7RAPFCAREHRM	r7rapfcarehrm:w7 r # paid professionals missing hours of hel	Cont
08	R8RAPFCAREHRM	r8rapfcarehrm:w8 r # paid professionals missing hours of hel	Cont
09	R9RAPFCAREHRM	r9rapfcarehrm:w9 r # paid professionals missing hours of hel	Cont
10	R10RAPFCAREHRM	r10rapfcarehrm:w10 r # paid professionals missing hours of h	Cont
11	R11RAPFCAREHRM	r11rapfcarehrm:w11 r # paid professionals missing hours of h	Cont
12	R12RAPFCAREHRM	r12rapfcarehrm:w12 r # paid professionals missing hours of h	Cont
13	R13RAPFCAREHRM	r13rapfcarehrm:w13 r # paid professionals missing hours of h	Cont
14	R14RAPFCAREHRM	r14rapfcarehrm:w14 r # paid professionals missing hours of h	Cont
15	R15RAPFCAREHRM	r15rapfcarehrm:w15 r # paid professionals missing hours of h	Cont
02	S2RAPFCAREHRM	s2rapfcarehrm:w2 s # paid professionals missing hours of hel	Cont
03	S3RAPFCAREHRM	s3rapfcarehrm:w3 s # paid professionals missing hours of hel	Cont
04	S4RAPFCAREHRM	s4rapfcarehrm:w4 s # paid professionals missing hours of hel	Cont
05	S5RAPFCAREHRM	s5rapfcarehrm:w5 s # paid professionals missing hours of hel	Cont
06	S6RAPFCAREHRM	s6rapfcarehrm:w6 s # paid professionals missing hours of hel	Cont
07	S7RAPFCAREHRM	s7rapfcarehrm:w7 s # paid professionals missing hours of hel	Cont
08	S8RAPFCAREHRM	s8rapfcarehrm:w8 s # paid professionals missing hours of hel	Cont
09	S9RAPFCAREHRM	s9rapfcarehrm:w9 s # paid professionals missing hours of hel	Cont
10	S10RAPFCAREHRM	s10rapfcarehrm:w10 s # paid professionals missing hours of h	Cont
11	S11RAPFCAREHRM	s11rapfcarehrm:w11 s # paid professionals missing hours of h	Cont
12	S12RAPFCAREHRM	s12rapfcarehrm:w12 s # paid professionals missing hours of h	Cont
13	S13RAPFCAREHRM	s13rapfcarehrm:w13 s # paid professionals missing hours of h	Cont
14	S14RAPFCAREHRM	s14rapfcarehrm:w14 s # paid professionals missing hours of h	Cont
15	S15RAPFCAREHRM	s15rapfcarehrm:w15 s # paid professionals missing hours of h	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RAPFCARE	2274	0.05	0.21	0.00	1.00
R3RAPFCARE	1558	0.07	0.26	0.00	1.00
R4RAPFCARE	1722	0.11	0.31	0.00	1.00



R5RAPFCARE	1650	0.09	0.29	0.00	1.00
R6RAPFCARE	1636	0.32	0.47	0.00	1.00
R7RAPFCARE	1723	0.29	0.45	0.00	1.00
R8RAPFCARE	1658	0.30	0.46	0.00	1.00
R9RAPFCARE	1570	0.31	0.46	0.00	1.00
R10RAPFCARE	2131	0.25	0.43	0.00	1.00
R11RAPFCARE	2008	0.34	0.47	0.00	1.00
R12RAPFCARE	1940	0.31	0.46	0.00	1.00
R13RAPFCARE	2027	0.29	0.46	0.00	1.00
R14RAPFCARE	1553	0.28	0.45	0.00	1.00
R15RAPFCARE	1245	0.25	0.43	0.00	1.00
S2RAPFCARE	1097	0.03	0.16	0.00	1.00
S3RAPFCARE	778	0.06	0.23	0.00	1.00
S4RAPFCARE	851	0.06	0.24	0.00	1.00
S5RAPFCARE	791	0.05	0.22	0.00	1.00
S6RAPFCARE	760	0.15	0.36	0.00	1.00
S7RAPFCARE	800	0.13	0.34	0.00	1.00
S8RAPFCARE	804	0.14	0.35	0.00	1.00
S9RAPFCARE	691	0.13	0.33	0.00	1.00
S10RAPFCARE	1019	0.13	0.34	0.00	1.00
S11RAPFCARE	918	0.18	0.38	0.00	1.00
S12RAPFCARE	882	0.13	0.34	0.00	1.00
S13RAPFCARE	887	0.16	0.37	0.00	1.00
S14RAPFCARE	698	0.16	0.37	0.00	1.00
S15RAPFCARE	542	0.13	0.34	0.00	1.00
R2RAPFCAREN	2274	0.05	0.22	0.00	2.00
R3RAPFCAREN	1558	0.08	0.29	0.00	3.00
R4RAPFCAREN	1722	0.11	0.32	0.00	3.00
R5RAPFCAREN	1650	0.09	0.29	0.00	2.00
R6RAPFCAREN	1636	0.33	0.49	0.00	4.00
R7RAPFCAREN	1723	0.29	0.46	0.00	2.00
R8RAPFCAREN	1658	0.31	0.47	0.00	2.00
R9RAPFCAREN	1570	0.32	0.49	0.00	5.00
R10RAPFCAREN	2131	0.25	0.44	0.00	2.00
R11RAPFCAREN	2008	0.36	0.55	0.00	5.00
R12RAPFCAREN	1940	0.36	0.60	0.00	5.00
R13RAPFCAREN	2027	0.33	0.58	0.00	5.00
R14RAPFCAREN	1553	0.30	0.53	0.00	6.00
R15RAPFCAREN	1245	0.28	0.53	0.00	4.00
S2RAPFCAREN	1097	0.03	0.16	0.00	1.00
S3RAPFCAREN	778	0.06	0.26	0.00	2.00
S4RAPFCAREN	851	0.06	0.24	0.00	1.00
S5RAPFCAREN	791	0.05	0.22	0.00	1.00
S6RAPFCAREN	760	0.16	0.40	0.00	4.00
S7RAPFCAREN	800	0.13	0.34	0.00	2.00
S8RAPFCAREN	804	0.14	0.36	0.00	2.00
S9RAPFCAREN	691	0.13	0.33	0.00	1.00
S10RAPFCAREN	1019	0.13	0.34	0.00	2.00
S11RAPFCAREN	918	0.19	0.42	0.00	2.00
S12RAPFCAREN	882	0.16	0.47	0.00	5.00
S13RAPFCAREN	887	0.19	0.48	0.00	5.00
S14RAPFCAREN	698	0.19	0.50	0.00	6.00
S15RAPFCAREN	542	0.14	0.36	0.00	2.00
R3RAPFCAREDPM	1558	1.63	6.67	0.00	82.00
R4RAPFCAREDPM	1722	2.31	7.64	0.00	102.00
R5RAPFCAREDPM	1650	1.96	6.69	0.00	37.00
R6RAPFCAREDPM	1256	2.29	7.45	0.00	93.00
R7RAPFCAREDPM	1356	1.75	6.39	0.00	32.00
R8RAPFCAREDPM	1295	2.20	7.18	0.00	54.00

R9RAPFCAREDPM	1218	2.39	8.48	0.00	150.00
R10RAPFCAREDPM	1756	1.69	6.33	0.00	54.00
R11RAPFCAREDPM	1629	3.79	9.49	0.00	62.00
R12RAPFCAREDPM	1617	3.69	9.71	0.00	70.00
R13RAPFCAREDPM	1708	3.55	9.90	0.00	113.00
R14RAPFCAREDPM	1341	3.19	8.41	0.00	56.00
R15RAPFCAREDPM	1102	3.21	9.40	0.00	62.00
S3RAPFCAREDPM	778	1.30	6.03	0.00	62.00
S4RAPFCAREDPM	851	1.23	5.22	0.00	31.00
S5RAPFCAREDPM	791	1.05	4.96	0.00	31.00
S6RAPFCAREDPM	691	1.24	6.02	0.00	93.00
S7RAPFCAREDPM	737	1.18	5.43	0.00	32.00
S8RAPFCAREDPM	729	1.10	5.27	0.00	46.00
S9RAPFCAREDPM	628	0.71	4.13	0.00	31.00
S10RAPFCAREDPM	921	0.67	3.85	0.00	39.00
S11RAPFCAREDPM	846	2.03	6.91	0.00	61.00
S12RAPFCAREDPM	825	1.63	6.82	0.00	60.00
S13RAPFCAREDPM	822	2.06	7.81	0.00	80.00
S14RAPFCAREDPM	656	2.24	7.40	0.00	56.00
S15RAPFCAREDPM	512	1.43	5.99	0.00	62.00
R3RAPFCAREDPMM	1558	0.00	0.00	0.00	0.00
R4RAPFCAREDPMM	1722	0.00	0.00	0.00	0.00
R5RAPFCAREDPMM	1650	0.00	0.00	0.00	0.00
R6RAPFCAREDPMM	1636	0.23	0.42	0.00	1.00
R7RAPFCAREDPMM	1723	0.21	0.41	0.00	1.00
R8RAPFCAREDPMM	1658	0.22	0.42	0.00	2.00
R9RAPFCAREDPMM	1570	0.23	0.42	0.00	1.00
R10RAPFCAREDPMM	2131	0.18	0.38	0.00	1.00
R11RAPFCAREDPMM	2008	0.19	0.39	0.00	1.00
R12RAPFCAREDPMM	1940	0.17	0.38	0.00	3.00
R13RAPFCAREDPMM	2027	0.16	0.37	0.00	2.00
R14RAPFCAREDPMM	1553	0.14	0.35	0.00	2.00
R15RAPFCAREDPMM	1245	0.12	0.33	0.00	2.00
S3RAPFCAREDPMM	778	0.00	0.00	0.00	0.00
S4RAPFCAREDPMM	851	0.00	0.00	0.00	0.00
S5RAPFCAREDPMM	791	0.00	0.00	0.00	0.00
S6RAPFCAREDPMM	760	0.09	0.29	0.00	1.00
S7RAPFCAREDPMM	800	0.08	0.27	0.00	1.00
S8RAPFCAREDPMM	804	0.09	0.29	0.00	1.00
S9RAPFCAREDPMM	691	0.09	0.29	0.00	1.00
S10RAPFCAREDPMM	1019	0.10	0.29	0.00	1.00
S11RAPFCAREDPMM	918	0.08	0.27	0.00	1.00
S12RAPFCAREDPMM	882	0.07	0.27	0.00	3.00
S13RAPFCAREDPMM	887	0.08	0.27	0.00	2.00
S14RAPFCAREDPMM	698	0.06	0.24	0.00	1.00
S15RAPFCAREDPMM	542	0.06	0.23	0.00	1.00
R2RAPFCAREHR	2273	0.12	0.97	0.00	24.00
R3RAPFCAREHR	1556	0.39	2.25	0.00	24.00
R4RAPFCAREHR	1716	0.46	2.37	0.00	24.00
R5RAPFCAREHR	1648	0.47	2.50	0.00	24.00
R6RAPFCAREHR	1254	0.62	3.29	0.00	72.00
R7RAPFCAREHR	1350	0.48	2.46	0.00	24.00
R8RAPFCAREHR	1291	0.56	2.75	0.00	26.00
R9RAPFCAREHR	1214	0.52	2.35	0.00	24.00
R10RAPFCAREHR	1747	0.39	2.10	0.00	24.00
R11RAPFCAREHR	1627	1.36	5.33	0.00	96.00
R12RAPFCAREHR	1614	1.23	4.51	0.00	72.00
R13RAPFCAREHR	1707	1.18	4.98	0.00	84.00
R14RAPFCAREHR	1341	1.11	4.07	0.00	56.00

R15RAPFCAREHR	1093	0.85	3.22	0.00	36.00
S2RAPFCAREHR	1096	0.07	0.82	0.00	24.00
S3RAPFCAREHR	778	0.23	1.40	0.00	24.00
S4RAPFCAREHR	849	0.18	1.33	0.00	24.00
S5RAPFCAREHR	791	0.21	1.61	0.00	24.00
S6RAPFCAREHR	691	0.37	3.25	0.00	72.00
S7RAPFCAREHR	735	0.29	1.74	0.00	24.00
S8RAPFCAREHR	729	0.36	2.47	0.00	26.00
S9RAPFCAREHR	628	0.14	1.14	0.00	24.00
S10RAPFCAREHR	920	0.20	1.56	0.00	24.00
S11RAPFCAREHR	844	0.66	3.10	0.00	48.00
S12RAPFCAREHR	823	0.59	3.15	0.00	34.00
S13RAPFCAREHR	820	0.64	3.60	0.00	60.00
S14RAPFCAREHR	657	0.86	4.14	0.00	56.00
S15RAPFCAREHR	508	0.39	2.31	0.00	36.00
R2RAPFCAREHRM	2274	0.00	0.02	0.00	1.00
R3RAPFCAREHRM	1558	0.00	0.03	0.00	1.00
R4RAPFCAREHRM	1722	0.01	0.11	0.00	4.00
R5RAPFCAREHRM	1650	0.00	0.03	0.00	1.00
R6RAPFCAREHRM	1636	0.24	0.43	0.00	2.00
R7RAPFCAREHRM	1723	0.22	0.41	0.00	1.00
R8RAPFCAREHRM	1658	0.22	0.42	0.00	1.00
R9RAPFCAREHRM	1570	0.23	0.42	0.00	1.00
R10RAPFCAREHRM	2131	0.18	0.39	0.00	1.00
R11RAPFCAREHRM	2008	0.20	0.40	0.00	3.00
R12RAPFCAREHRM	1940	0.17	0.38	0.00	2.00
R13RAPFCAREHRM	2027	0.16	0.37	0.00	2.00
R14RAPFCAREHRM	1553	0.14	0.35	0.00	2.00
R15RAPFCAREHRM	1245	0.13	0.34	0.00	2.00
S2RAPFCAREHRM	1097	0.00	0.03	0.00	1.00
S3RAPFCAREHRM	778	0.00	0.00	0.00	0.00
S4RAPFCAREHRM	851	0.00	0.05	0.00	1.00
S5RAPFCAREHRM	791	0.00	0.00	0.00	0.00
S6RAPFCAREHRM	760	0.09	0.29	0.00	1.00
S7RAPFCAREHRM	800	0.08	0.27	0.00	1.00
S8RAPFCAREHRM	804	0.09	0.29	0.00	1.00
S9RAPFCAREHRM	691	0.09	0.29	0.00	1.00
S10RAPFCAREHRM	1019	0.10	0.30	0.00	1.00
S11RAPFCAREHRM	918	0.08	0.28	0.00	1.00
S12RAPFCAREHRM	882	0.07	0.25	0.00	1.00
S13RAPFCAREHRM	887	0.08	0.28	0.00	2.00
S14RAPFCAREHRM	698	0.06	0.24	0.00	1.00
S15RAPFCAREHRM	542	0.06	0.24	0.00	1.00

### Categorical Variable Codes

Value-----	R2RAPFCARE	R3RAPFCARE	R4RAPFCARE	R5RAPFCARE
.d:DK	1	1	3	1
.f:infrequent care	65			
.h:no help received	496	1776	2090	1976
.m:Missing	2	39	28	1
.q:not asked this wave	11595			
.r:Refuse		2		3
.x:no difficulties	5384	14615	17541	15947
0.no	2170	1442	1536	1498
1.yes	104	116	186	152

Value-----	R6RAPFCARE	R7RAPFCARE	R8RAPFCARE	R9RAPFCARE	R10RAPFCARE
.d:DK	2			8	17
.h:no help received	1804	1840	1972	1777	2115
.m:Missing	7	10	8	2	2
.r:Refuse	1		1		3

.x:no difficulties	14715	16556	14830	13860	17766
0.no	1107	1231	1158	1082	1607
1.yes	529	492	500	488	524
Value-----	R11RAPFCARE	R12RAPFCARE	R13RAPFCARE	R14RAPFCARE	R15RAPFCARE
.d:DK	30	25	20	23	26
.h:no help received	1931	1882	1966	1699	1996
.m:Missing	1	1			6
.r:Refuse	6	9	6	7	6
.x:no difficulties	16578	14890	16893	13864	12444
0.no	1329	1332	1432	1120	934
1.yes	679	608	595	433	311
Value-----		S2RAPFCARE	S3RAPFCARE	S4RAPFCARE	S5RAPFCARE
.f:infrequent care		29			
.h:no help received		199	884	1034	999
.m:Missing		1	12	7	
.q:not asked this wave		8738			
.r:Refuse					1
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:no difficulties		3024	10242	12086	10939
0.no		1069	733	798	751
1.yes		28	45	53	40
Value-----	S6RAPFCARE	S7RAPFCARE	S8RAPFCARE	S9RAPFCARE	S10RAPFCARE
.d:DK				3	5
.h:no help received	838	861	924	803	961
.m:Missing	3	1	1	2	
.r:Refuse					1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10031	11306	9999	9141	11522
0.no	644	697	690	604	883
1.yes	116	103	114	87	136
Value-----	S11RAPFCARE	S12RAPFCARE	S13RAPFCARE	S14RAPFCARE	S15RAPFCARE
.d:DK	12	8	7	2	8
.h:no help received	900	815	816	648	894
.m:Missing					1
.r:Refuse	1		2	2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10645	9307	10066	8008	7020
0.no	757	763	742	585	471
1.yes	161	119	145	113	71

## How Constructed:

The following variables indicate whether paid formal caregivers help the respondent with any ADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In Waves 3 and onward, if the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, and are coded as special missing .h if the respondent reports difficulty with an ADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRAPFCARE, RwRAPFCAREN, RwRAPFCAREDPM, RwRAPFCAREDPMM, RwRAPFCAREHR, and RwRAPFCAREHRM include help from an organization/agency if they are reported to be paid for the AHEAD cohort in Wave 2. These variables include help from a professional, employee of institution, and organization if they are reported to be

paid in Waves 3 through 5. These variables include help from organizations, paid helpers, professionals, or specified professionals if they are reported to be paid in Wave 6 and onward. These variables also include help from employees of institutions, who are assumed to be paid but are not explicitly asked about in Waves 6 and onward.

RwRAPFCARE indicates whether any paid professionals help the respondent with ADL needs. RwRAPFCAREN indicates the number of paid professionals who help the respondent with ADL needs. RwRAPFCARE is coded as 0 if no paid professionals help the respondent with ADLs, and is coded as 1 if at least one paid professional helps the respondent with ADLs. In Wave 2, RwRAPFCARE and RwRAPFCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRAPFCARE and RwRAPFCAREN are not available in Wave 1.

RwRAPFCAREDPM indicates the number of total days per month paid professionals help the respondent with ADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRAPFCAREDPM is the sum of days per month for all paid professional helpers, and so values can be over 31 days. RwRAPFCAREDPM is calculated as long as there is one non-missing value. If the respondent's only paid professional helper is an employee of an institution, then the respondent is not asked how many days the respondent receives help, and RwRAPFCAREDPM is assigned special missing .e starting in Wave 6. RwRAPFCAREDPMM indicates the number of paid professionals who helped the respondent for whom no value of days was reported and was not accounted for in RwRAPFCAREDPM, including if the respondent is helped by an employee of an institution. RwRAPFCAREDPMM is assigned special missing .m if the respondent was not helped by any paid professionals or prior information was missing. RwRAPFCAREDPM and RwRAPFCAREDPMM are not available in Waves 1 and 2.

RwRAPFCAREHR indicates the number of hours per day paid professionals help the respondent with ADL needs. Respondents are asked, on days paid professionals help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RwRAPFCAREHR is the sum of hours per day for all paid professional helpers, and so values can be over 24 hours. RwRAPFCAREHR is calculated as long as there is one non-missing value. If the respondent's only paid professional helper is an employee of an institution, then the respondent is not asked how many hours the respondent receives help, and RwRAPFCAREHR is assigned special missing .e starting in Wave 6. RwRAPFCAREHRM indicates the number of paid professionals who helped the respondent for whom no value of hours was reported and was not accounted for in RwRAPFCAREHR, including if the respondent is helped by an employee of an institution. RwRAPFCAREHRM is assigned special missing .m if the respondent was not helped by any paid professionals or prior information was missing. In Wave 2, RwRAPFCAREHR and RwRAPFCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRAPFCAREHR and RwRAPFCAREHRM are not available in Wave 1.

SwRAPFCARE, SwRAPFCAREN, SwRAPFCAREDPM, and SwRAPFCAREHR indicate whether the respondent's current wave's spouse receives help from paid professionals, the number, and the frequency with which, and their values are taken from RwRAPFCARE, RwRAPFCAREN, RwRAPFCAREDPM, and RwRAPFCAREHR. SwRAPFCAREDPMM and SwRAPFCAREHRM indicate the number of paid professionals who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RwRAPFCAREDPMM and RwRAPFCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Respondents are asked who helps them with ADLs, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWRAPFCARE and RWRAPFCAREN are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RWRAPFCARE and RWRAPFCAREN are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a paid professional helps them with ADLs, and were asked how frequently and the number of hours that the paid professional provides help. However, the frequency of help is not comparable to other waves and so RWRAPFCAREDPM and RWRAPFCAREDPMM are not available in this wave. The number of hours that the paid professional helps is comparable, and so RWRAPFCAREHR and RWRAPFCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RWRAPFCAREHR and RWRAPFCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with ADLs, and are asked about the number of days or number of hours that a paid professional helps the respondent. As such, RWRAPFCAREDPM and RWRAPFCAREDPMM are available beginning in Wave 3.

Starting in Wave 6, if the respondent's helper is an employee of an institution, then the respondent is not asked for the number of days or hours that the respondent receives help from that helper, and RWRAPFCAREDPM and RWRAPFCAREHR are assigned special missing .e if this is the only type of paid professional helper the respondent has.

### HRS Variables Used:

#### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed
R12DRESSA	r12dressa:w12 r any diff-dressing
R12EATA	r12eata:w12 r any diff-eating
R12TOILTA	r12toilta:w12 r any diff-using the toilet
R12WALKRA	r12walkra:w12 r any diff-walk across room
R13BATHA	r13batha:w13 r any diff-bathing, shower
R13BEDA	r13beda:w13 r any diff-get in/out bed
R13DRESSA	r13dressa:w13 r any diff-dressing
R13EATA	r13eata:w13 r any diff-eating
R13TOILTA	r13toilta:w13 r any diff-using the toilet
R13WALKRA	r13walkra:w13 r any diff-walk across room
R14BATHA	r14batha:w14 r any diff-bathing, shower
R14BEDA	r14beda:w14 r any diff-get in/out bed
R14DRESSA	r14dressa:w14 r any diff-dressing
R14EATA	r14eata:w14 r any diff-eating
R14TOILTA	r14toilta:w14 r any diff-using the toilet
R14WALKRA	r14walkra:w14 r any diff-walk across room
R15BATHA	r15batha:w15 r any diff-bathing, shower
R15BEDA	r15beda:w15 r any diff-get in/out bed
R15DRESSA	r15dressa:w15 r any diff-dressing
R15EATA	r15eata:w15 r any diff-eating
R15TOILTA	r15toilta:w15 r any diff-using the toilet
R15WALKRA	r15walkra:w15 r any diff-walk across room
R3BATHA	r3batha:w3 r any diff-bathing, shower
R3BEDA	r3beda:w3 r any diff-get in/out bed

R3DRESSA	r3dressa:w3 r any diff-dressing
R3EATA	r3eata:w3 r any diff-eating
R3TOILTA	r3toilta:w3 r any diff-using the toilet
R3WALKRA	r3walkra:w3 r any diff-walk across room
R4BATHA	r4batha:w4 r any diff-bathing, shower
R4BEDA	r4beda:w4 r any diff-get in/out bed
R4DRESSA	r4dressa:w4 r any diff-dressing
R4EATA	r4eata:w4 r any diff-eating
R4TOILTA	r4toilta:w4 r any diff-using the toilet
R4WALKRA	r4walkra:w4 r any diff-walk across room
R5BATHA	r5batha:w5 r any diff-bathing, shower
R5BEDA	r5beda:w5 r any diff-get in/out bed
R5DRESSA	r5dressa:w5 r any diff-dressing
R5EATA	r5eata:w5 r any diff-eating
R5TOILTA	r5toilta:w5 r any diff-using the toilet
R5WALKRA	r5walkra:w5 r any diff-walk across room
R6BATHA	r6batha:w6 r any diff-bathing, shower
R6BEDA	r6beda:w6 r any diff-get in/out bed
R6DRESSA	r6dressa:w6 r any diff-dressing
R6EATA	r6eata:w6 r any diff-eating
R6TOILTA	r6toilta:w6 r any diff-using the toilet
R6WALKRA	r6walkra:w6 r any diff-walk across room
R7BATHA	r7batha:w7 r any diff-bathing, shower
R7BEDA	r7beda:w7 r any diff-get in/out bed
R7DRESSA	r7dressa:w7 r any diff-dressing
R7EATA	r7eata:w7 r any diff-eating
R7TOILTA	r7toilta:w7 r any diff-using the toilet
R7WALKRA	r7walkra:w7 r any diff-walk across room
R8BATHA	r8batha:w8 r any diff-bathing, shower
R8BEDA	r8beda:w8 r any diff-get in/out bed
R8DRESSA	r8dressa:w8 r any diff-dressing
R8EATA	r8eata:w8 r any diff-eating
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER

OTHRHELP	OTHER HELPER RELATION TO R
V992	E60. HELPER HOW OFTEN
V993	E61. HELPER HOURS PER DAY
Wave 2 AHEAD HHLIST:	
OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R
Wave 2 HRS:	
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D1870	adlck.ckpt for skipping adl series
D1877	e72f.adl walk help
D1887	e73f.adl dress help
D1897	e74f.adl bathe help
D1907	e75f.adl eat help
D1920	e76f.adl bed help
D1930	e77f.adl toilet help
D1961	e83.who help-11
D1975	e84.who help-2
D1984	e85.who help-3
D1988	e86.who help-4
D1992	e87.who help-5
D1996	e88.who help-6
D2000	e89.who help-7
Wave 3 AHEAD Helper:	
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
OPN	OTHER PERSON NUMBER
Wave 3 HRS:	
E1894	adlck.ckpt for skipping adl series
E1901	e72f.adl walk help
E1911	e73f.adl dress help
E1921	e74f.adl bathe help
E1931	e75f.adl eat help
E1944	e76f.adl bed help
E1954	e77f.adl toilet help
E1976	e83.who help-11
E1990	e84.who help-2
E1999	e85.who help-3
E2003	e86.who help-4
E2007	e87.who help-5
E2011	e88.who help-6
E2015	e89.who help-7
Wave 3 HRS Helper:	
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
E2142	E158-2. HELPER-SP OFTEN
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
OPN	OTHER PERSON NUMBER
Wave 4:	
F2426	e73f.adl dress help
F2431	e72.adl walk help



F2447 e74f.adl bathe help  
 F2457 e75f.adl eat help  
 F2470 e76f.adl bed help  
 F2480 e77f.adl toilet help  
 F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2541 e89.who help-7

## Wave 4 Helper:

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  
 F2658 E158-2. HELPER OFTEN  
 F2659 E158A-2.HELPER PER WEEK  
 F2660 E158B-2.HELPER EVERY DAY  
 F2662 E159-2. HELPER HOURS  
 F2665 E162-2. HELPER PAID

## Wave 5:

G2724 e73f.adl dress help  
 G2729 e72y1.adl walk help  
 G2745 e74f.adl bathe help  
 G2755 e75f.adl eat help  
 G2768 e76f.adl bed help  
 G2778 e77f.adl toilet help  
 G2800 e83.who help-11  
 G2814 e84.who help-2  
 G2823 e85.who help-3  
 G2827 e86.who help-4  
 G2831 e87.who help-5  
 G2835 e88.who help-6  
 G2839 e89.who help-7

## Wave 5 Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HG013 chkpnt: count of hg001 through hg012  
 HG015 help w/dress  
 HG020 adl walk help  
 HG022 adl bathe help  
 HG024 adl eat help  
 HG029 adl bed help  
 HG031 adl toilet help  
 HG032\_1 who helps most- adl- 1  
 HG032\_2 who helps- adl- 2  
 HG032\_3 who helps- adl- 3  
 HG032\_4 who helps- adl- 4  
 HG032\_5 who helps- adl- 5

HG032\_6 who helps- adl- 6  
 HG032\_7 who helps- adl- 7  
 Wave 6 Helper:  
 HADLNDX adl helper index  
 HG069 helper relationship  
 HG070 freq of help given- days in last month  
 HG071 freq of help given- days per week  
 HG072 did helper help every dy  
 HG073 #hrs of help  
 HG076 helper paid to help  
 Wave 7:  
 JG013 chkpnt: count of jg001 through jg012  
 JG015 help w/dress  
 JG020 adl walk help  
 JG022 adl bathe help  
 JG024 adl eat help  
 JG029 adl bed help  
 JG031 adl toilet help  
 JG032\_1 who helps most- adl- 1  
 JG032\_2 who helps- adl- 2  
 JG032\_3 who helps- adl- 3  
 JG032\_4 who helps- adl- 4  
 JG032\_5 who helps- adl- 5  
 JG032\_6 who helps- adl- 6  
 JG032\_7 who helps- adl- 7  
 Wave 7 Helper:  
 JADLNDX index connection to the adl table  
 JG069 helper relationship  
 JG070 freq of help given-days last month  
 JG071 # days helper helped  
 JG072 did helper help every dy  
 JG073 #hrs of help  
 JG076 helper given money to help  
 Wave 8:  
 KG013 chkpnt: count of jg001 through jg012  
 KG015 help w/dress  
 KG020 adl walk help  
 KG022 adl bathe help  
 KG024 adl eat help  
 KG029 adl bed help  
 KG031 adl toilet help  
 KG032\_1 who helps most- adl- 1  
 KG032\_2 who helps- adl- 2  
 KG032\_3 who helps- adl- 3  
 KG032\_4 who helps- adl- 4  
 KG032\_5 who helps- adl- 5  
 KG032\_6 who helps- adl- 6  
 KG032\_7 who helps- adl- 7  
 Wave 8 Helper:  
 KADLNDX index connection to the adl table  
 KG069 helper relationship  
 KG070 freq of help given-days last month  
 KG071 # days helper helped  
 KG072 did helper help every dy  
 KG073 #hrs of help  
 KG076 helper given money to help  
 Wave 9:  
 LG013 chkpnt: count of lg001 through lg012  
 LG015 help w/dress  
 LG020 adl walk help  
 LG022 adl bathe help  
 LG024 adl eat help  
 LG029 adl bed help

LG031 adl toilet help  
LG032\_1 who helps most- adl- 1  
LG032\_2 who helps- adl- 2  
LG032\_3 who helps- adl- 3  
LG032\_4 who helps- adl- 4  
LG032\_5 who helps- adl- 5  
LG032\_6 who helps- adl- 6  
LG032\_7 who helps- adl- 7

Wave 9 Helper:  
LADLNDX index connection to the adl table  
LG069 helper relationship  
LG070 freq of help given-days last month  
LG071 # days helper helped  
LG072 did helper help every day  
LG073 #hrs of help  
LG076 helper given money to help

Wave 10:  
MG013 chkpnt: count of mg001 through mg012  
MG015 help w/dress  
MG020 adl walk help  
MG022 adl bathe help  
MG024 adl eat help  
MG029 adl bed help  
MG031 adl toilet help  
MG032\_1 who helps most- adl- 1  
MG032\_2 who helps- adl- 2  
MG032\_3 who helps- adl- 3  
MG032\_4 who helps- adl- 4  
MG032\_5 who helps- adl- 5  
MG032\_6 who helps- adl- 6  
MG032\_7 who helps- adl- 7

Wave 10 Helper:  
MADLNDX index connection to the adl table  
MG069 helper relationship -1  
MG070 freq of help given -1  
MG071 # days helper helped -1  
MG072 did helper help every dy -1  
MG073 #hrs of help -1  
MG076 helper given money to help -1

Wave 11:  
NG013 chkpnt: count of ng001 through ng012  
NG015 help w/dress  
NG020 adl walk help  
NG022 adl bathe help  
NG024 adl eat help  
NG029 adl bed help  
NG031 adl toilet help  
NG032\_1 who helps most- adl- 1  
NG032\_2 who helps- adl- 2  
NG032\_3 who helps- adl- 3  
NG032\_4 who helps- adl- 4  
NG032\_5 who helps- adl- 5  
NG032\_6 who helps- adl- 6  
NG032\_7 who helps- adl- 7

Wave 11 Helper:  
NADLNDX index connection to the adl table  
NG069 helper relationship  
NG070 freq of help given  
NG071 # days helper helped  
NG072 did helper help every dy  
NG073 #hrs of help  
NG076 helper given money to help

Wave 12:

OG013           chkpnt: count of g001 through g012  
 OG015           help w/dress  
 OG020           adl walk help  
 OG022           adl bathe help  
 OG024           adl eat help  
 OG029           adl bed help  
 OG031           adl toilet help  
 OG032\_1         who helps most- adl- 1  
 OG032\_2         who helps- adl- 2  
 OG032\_3         who helps- adl- 3  
 OG032\_4         who helps- adl- 4  
 OG032\_5         who helps- adl- 5  
 OG032\_6         who helps- adl- 6  
 OG032\_7         who helps- adl- 7

## Wave 12 Helper:

OADLNDX         index connection to the adl table  
 OG069           helper relationship  
 OG070           freq of help given  
 OG071           # days helper helped  
 OG072           did helper help every dy  
 OG073           #hrs of help  
 OG076           helper given money to help

## Wave 13:

PG013           chkpnt: count of g001 through g012  
 PG015           help w/dress  
 PG020           adl walk help  
 PG022           adl bathe help  
 PG024           adl eat help  
 PG029           adl bed help  
 PG031           adl toilet help  
 PG032\_1         who helps most- adl- 1  
 PG032\_2         who helps- adl- 2  
 PG032\_3         who helps- adl- 3  
 PG032\_4         who helps- adl- 4  
 PG032\_5         who helps- adl- 5  
 PG032\_6         who helps- adl- 6  
 PG032\_7         who helps- adl- 7

## Wave 13 Helper:

PADLNDX         index connection to the adl table  
 PG069           helper relationship  
 PG070           freq of help given  
 PG071           # days helper helped  
 PG072           did helper help every dy  
 PG073           #hrs of help  
 PG076           helper given money to help

## Wave 14:

QG013           chkpnt: count of g001 through g012  
 QG015           help w/dress  
 QG020           adl walk help  
 QG022           adl bathe help  
 QG024           adl eat help  
 QG029           adl bed help  
 QG031           adl toilet help  
 QG032\_1         who helps most- adl- 1  
 QG032\_2         who helps- adl- 2  
 QG032\_3         who helps- adl- 3  
 QG032\_4         who helps- adl- 4  
 QG032\_5         who helps- adl- 5  
 QG032\_6         who helps- adl- 6  
 QG032\_7         who helps- adl- 7

## Wave 14 Helper:

QADLNDX         INDEX CONNECTION TO THE ADL TABLE  
 QG069           HELPER RELATIONSHIP

QG070           FREQ OF HELP GIVEN  
QG071           # DAYS HELPER HELPED  
QG072           DID HELPER HELP EVERY DY  
QG073           #HRS OF HELP  
QG076           HELPER GIVEN MONEY TO HELP

## Wave 15:

RG013           chkpnt: count of g001 through g012  
RG015           help w/dress  
RG020           adl walk help  
RG022           adl bathe help  
RG024           adl eat help  
RG029           adl bed help  
RG031           adl toilet help  
RG032\_1         who helps most- adl- 1  
RG032\_2         who helps- adl- 2  
RG032\_3         who helps- adl- 3  
RG032\_4         who helps- adl- 4  
RG032\_5         who helps- adl- 5  
RG032\_6         who helps- adl- 6  
RG032\_7         who helps- adl- 7

## Wave 15 Helper:

RADLNDX         INDEX CONNECTION TO THE ADL TABLE  
RG069           HELPER RELATIONSHIP  
RG070           FREQ OF HELP GIVEN  
RG071           # DAYS HELPER HELPED  
RG072           DID HELPER HELP EVERY DY  
RG073           #HRS OF HELP  
RG076           HELPER GIVEN MONEY TO HELP

<b>Activities of Daily Living: Receives Informal Care from Unpaid Professionals</b>
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Wave	Variable	Label	Type
02	R2RAUFCARE	r2raufcare:w2 r receives formal care from unpaid professiona	Categ
03	R3RAUFCARE	r3raufcare:w3 r receives formal care from unpaid professiona	Categ
04	R4RAUFCARE	r4raufcare:w4 r receives formal care from unpaid professiona	Categ
05	R5RAUFCARE	r5raufcare:w5 r receives formal care from unpaid professiona	Categ
06	R6RAUFCARE	r6raufcare:w6 r receives formal care from unpaid professiona	Categ
07	R7RAUFCARE	r7raufcare:w7 r receives formal care from unpaid professiona	Categ
08	R8RAUFCARE	r8raufcare:w8 r receives formal care from unpaid professiona	Categ
09	R9RAUFCARE	r9raufcare:w9 r receives formal care from unpaid professiona	Categ
10	R10RAUFCARE	r10raufcare:w10 r receives formal care from unpaid professio	Categ
11	R11RAUFCARE	r11raufcare:w11 r receives formal care from unpaid professio	Categ
12	R12RAUFCARE	r12raufcare:w12 r receives formal care from unpaid professio	Categ
13	R13RAUFCARE	r13raufcare:w13 r receives formal care from unpaid professio	Categ
14	R14RAUFCARE	r14raufcare:w14 r receives formal care from unpaid professio	Categ
15	R15RAUFCARE	r15raufcare:w15 r receives formal care from unpaid professio	Categ
02	S2RAUFCARE	s2raufcare:w2 s receives formal care from unpaid professiona	Categ
03	S3RAUFCARE	s3raufcare:w3 s receives formal care from unpaid professiona	Categ
04	S4RAUFCARE	s4raufcare:w4 s receives formal care from unpaid professiona	Categ
05	S5RAUFCARE	s5raufcare:w5 s receives formal care from unpaid professiona	Categ
06	S6RAUFCARE	s6raufcare:w6 s receives formal care from unpaid professiona	Categ
07	S7RAUFCARE	s7raufcare:w7 s receives formal care from unpaid professiona	Categ
08	S8RAUFCARE	s8raufcare:w8 s receives formal care from unpaid professiona	Categ
09	S9RAUFCARE	s9raufcare:w9 s receives formal care from unpaid professiona	Categ
10	S10RAUFCARE	s10raufcare:w10 s receives formal care from unpaid professio	Categ
11	S11RAUFCARE	s11raufcare:w11 s receives formal care from unpaid professio	Categ
12	S12RAUFCARE	s12raufcare:w12 s receives formal care from unpaid professio	Categ
13	S13RAUFCARE	s13raufcare:w13 s receives formal care from unpaid professio	Categ
14	S14RAUFCARE	s14raufcare:w14 s receives formal care from unpaid professio	Categ
15	S15RAUFCARE	s15raufcare:w15 s receives formal care from unpaid professio	Categ
02	R2RAUFCAREN	r2raufcaren:w2 # unpaid professionals who help r with adls	Cont
03	R3RAUFCAREN	r3raufcaren:w3 # unpaid professionals who help r with adls	Cont
04	R4RAUFCAREN	r4raufcaren:w4 # unpaid professionals who help r with adls	Cont
05	R5RAUFCAREN	r5raufcaren:w5 # unpaid professionals who help r with adls	Cont
06	R6RAUFCAREN	r6raufcaren:w6 # unpaid professionals who help r with adls	Cont
07	R7RAUFCAREN	r7raufcaren:w7 # unpaid professionals who help r with adls	Cont
08	R8RAUFCAREN	r8raufcaren:w8 # unpaid professionals who help r with adls	Cont
09	R9RAUFCAREN	r9raufcaren:w9 # unpaid professionals who help r with adls	Cont
10	R10RAUFCAREN	r10raufcaren:w10 # unpaid professionals who help r with adls	Cont
11	R11RAUFCAREN	r11raufcaren:w11 # unpaid professionals who help r with adls	Cont
12	R12RAUFCAREN	r12raufcaren:w12 # unpaid professionals who help r with adls	Cont
13	R13RAUFCAREN	r13raufcaren:w13 # unpaid professionals who help r with adls	Cont
14	R14RAUFCAREN	r14raufcaren:w14 # unpaid professionals who help r with adls	Cont
15	R15RAUFCAREN	r15raufcaren:w15 # unpaid professionals who help r with adls	Cont
02	S2RAUFCAREN	s2raufcaren:w2 # unpaid professionals who help s with adls	Cont
03	S3RAUFCAREN	s3raufcaren:w3 # unpaid professionals who help s with adls	Cont
04	S4RAUFCAREN	s4raufcaren:w4 # unpaid professionals who help s with adls	Cont
05	S5RAUFCAREN	s5raufcaren:w5 # unpaid professionals who help s with adls	Cont
06	S6RAUFCAREN	s6raufcaren:w6 # unpaid professionals who help s with adls	Cont
07	S7RAUFCAREN	s7raufcaren:w7 # unpaid professionals who help s with adls	Cont
08	S8RAUFCAREN	s8raufcaren:w8 # unpaid professionals who help s with adls	Cont
09	S9RAUFCAREN	s9raufcaren:w9 # unpaid professionals who help s with adls	Cont
10	S10RAUFCAREN	s10raufcaren:w10 # unpaid professionals who help s with adls	Cont
11	S11RAUFCAREN	s11raufcaren:w11 # unpaid professionals who help s with adls	Cont
12	S12RAUFCAREN	s12raufcaren:w12 # unpaid professionals who help s with adls	Cont
13	S13RAUFCAREN	s13raufcaren:w13 # unpaid professionals who help s with adls	Cont

14	S14RAUFCAREN	s14raufcaren:w14 # unpaid professionals who help s with adls	Cont
15	S15RAUFCAREN	s15raufcaren:w15 # unpaid professionals who help s with adls	Cont
03	R3RAUFCAREDPM	r3raufcaredpm:w3 days/month unpaid professionals help r with	Cont
04	R4RAUFCAREDPM	r4raufcaredpm:w4 days/month unpaid professionals help r with	Cont
05	R5RAUFCAREDPM	r5raufcaredpm:w5 days/month unpaid professionals help r with	Cont
06	R6RAUFCAREDPM	r6raufcaredpm:w6 days/month unpaid professionals help r with	Cont
07	R7RAUFCAREDPM	r7raufcaredpm:w7 days/month unpaid professionals help r with	Cont
08	R8RAUFCAREDPM	r8raufcaredpm:w8 days/month unpaid professionals help r with	Cont
09	R9RAUFCAREDPM	r9raufcaredpm:w9 days/month unpaid professionals help r with	Cont
10	R10RAUFCAREDPM	r10raufcaredpm:w10 days/month unpaid professionals help r wi	Cont
11	R11RAUFCAREDPM	r11raufcaredpm:w11 days/month unpaid professionals help r wi	Cont
12	R12RAUFCAREDPM	r12raufcaredpm:w12 days/month unpaid professionals help r wi	Cont
13	R13RAUFCAREDPM	r13raufcaredpm:w13 days/month unpaid professionals help r wi	Cont
14	R14RAUFCAREDPM	r14raufcaredpm:w14 days/month unpaid professionals help r wi	Cont
15	R15RAUFCAREDPM	r15raufcaredpm:w15 days/month unpaid professionals help r wi	Cont
03	S3RAUFCAREDPM	s3raufcaredpm:w3 days/month unpaid professionals help s with	Cont
04	S4RAUFCAREDPM	s4raufcaredpm:w4 days/month unpaid professionals help s with	Cont
05	S5RAUFCAREDPM	s5raufcaredpm:w5 days/month unpaid professionals help s with	Cont
06	S6RAUFCAREDPM	s6raufcaredpm:w6 days/month unpaid professionals help s with	Cont
07	S7RAUFCAREDPM	s7raufcaredpm:w7 days/month unpaid professionals help s with	Cont
08	S8RAUFCAREDPM	s8raufcaredpm:w8 days/month unpaid professionals help s with	Cont
09	S9RAUFCAREDPM	s9raufcaredpm:w9 days/month unpaid professionals help s with	Cont
10	S10RAUFCAREDPM	s10raufcaredpm:w10 days/month unpaid professionals help s wi	Cont
11	S11RAUFCAREDPM	s11raufcaredpm:w11 days/month unpaid professionals help s wi	Cont
12	S12RAUFCAREDPM	s12raufcaredpm:w12 days/month unpaid professionals help s wi	Cont
13	S13RAUFCAREDPM	s13raufcaredpm:w13 days/month unpaid professionals help s wi	Cont
14	S14RAUFCAREDPM	s14raufcaredpm:w14 days/month unpaid professionals help s wi	Cont
15	S15RAUFCAREDPM	s15raufcaredpm:w15 days/month unpaid professionals help s wi	Cont
03	R3RAUFCAREDPMM	r3raufcaredpmm:w3 r # unpaid professionals missing days of h	Cont
04	R4RAUFCAREDPMM	r4raufcaredpmm:w4 r # unpaid professionals missing days of h	Cont
05	R5RAUFCAREDPMM	r5raufcaredpmm:w5 r # unpaid professionals missing days of h	Cont
06	R6RAUFCAREDPMM	r6raufcaredpmm:w6 r # unpaid professionals missing days of h	Cont
07	R7RAUFCAREDPMM	r7raufcaredpmm:w7 r # unpaid professionals missing days of h	Cont
08	R8RAUFCAREDPMM	r8raufcaredpmm:w8 r # unpaid professionals missing days of h	Cont
09	R9RAUFCAREDPMM	r9raufcaredpmm:w9 r # unpaid professionals missing days of h	Cont
10	R10RAUFCAREDPMM	r10raufcaredpmm:w10 r # unpaid professionals missing days of	Cont
11	R11RAUFCAREDPMM	r11raufcaredpmm:w11 r # unpaid professionals missing days of	Cont
12	R12RAUFCAREDPMM	r12raufcaredpmm:w12 r # unpaid professionals missing days of	Cont
13	R13RAUFCAREDPMM	r13raufcaredpmm:w13 r # unpaid professionals missing days of	Cont
14	R14RAUFCAREDPMM	r14raufcaredpmm:w14 r # unpaid professionals missing days of	Cont
15	R15RAUFCAREDPMM	r15raufcaredpmm:w15 r # unpaid professionals missing days of	Cont
03	S3RAUFCAREDPMM	s3raufcaredpmm:w3 s # unpaid professionals missing days of h	Cont
04	S4RAUFCAREDPMM	s4raufcaredpmm:w4 s # unpaid professionals missing days of h	Cont
05	S5RAUFCAREDPMM	s5raufcaredpmm:w5 s # unpaid professionals missing days of h	Cont
06	S6RAUFCAREDPMM	s6raufcaredpmm:w6 s # unpaid professionals missing days of h	Cont
07	S7RAUFCAREDPMM	s7raufcaredpmm:w7 s # unpaid professionals missing days of h	Cont
08	S8RAUFCAREDPMM	s8raufcaredpmm:w8 s # unpaid professionals missing days of h	Cont
09	S9RAUFCAREDPMM	s9raufcaredpmm:w9 s # unpaid professionals missing days of h	Cont
10	S10RAUFCAREDPMM	s10raufcaredpmm:w10 s # unpaid professionals missing days of	Cont
11	S11RAUFCAREDPMM	s11raufcaredpmm:w11 s # unpaid professionals missing days of	Cont
12	S12RAUFCAREDPMM	s12raufcaredpmm:w12 s # unpaid professionals missing days of	Cont
13	S13RAUFCAREDPMM	s13raufcaredpmm:w13 s # unpaid professionals missing days of	Cont
14	S14RAUFCAREDPMM	s14raufcaredpmm:w14 s # unpaid professionals missing days of	Cont
15	S15RAUFCAREDPMM	s15raufcaredpmm:w15 s # unpaid professionals missing days of	Cont
02	R2RAUFCAREHR	r2raufcarehr:w2 hours/day unpaid professionals help r with a	Cont
03	R3RAUFCAREHR	r3raufcarehr:w3 hours/day unpaid professionals help r with a	Cont
04	R4RAUFCAREHR	r4raufcarehr:w4 hours/day unpaid professionals help r with a	Cont
05	R5RAUFCAREHR	r5raufcarehr:w5 hours/day unpaid professionals help r with a	Cont

06	R6RAUFCAREHR	r6raufcarehr:w6 hours/day unpaid professionals help r with a	Cont
07	R7RAUFCAREHR	r7raufcarehr:w7 hours/day unpaid professionals help r with a	Cont
08	R8RAUFCAREHR	r8raufcarehr:w8 hours/day unpaid professionals help r with a	Cont
09	R9RAUFCAREHR	r9raufcarehr:w9 hours/day unpaid professionals help r with a	Cont
10	R10RAUFCAREHR	r10raufcarehr:w10 hours/day unpaid professionals help r with	Cont
11	R11RAUFCAREHR	r11raufcarehr:w11 hours/day unpaid professionals help r with	Cont
12	R12RAUFCAREHR	r12raufcarehr:w12 hours/day unpaid professionals help r with	Cont
13	R13RAUFCAREHR	r13raufcarehr:w13 hours/day unpaid professionals help r with	Cont
14	R14RAUFCAREHR	r14raufcarehr:w14 hours/day unpaid professionals help r with	Cont
15	R15RAUFCAREHR	r15raufcarehr:w15 hours/day unpaid professionals help r with	Cont
02	S2RAUFCAREHR	s2raufcarehr:w2 hours/day unpaid professionals help s with a	Cont
03	S3RAUFCAREHR	s3raufcarehr:w3 hours/day unpaid professionals help s with a	Cont
04	S4RAUFCAREHR	s4raufcarehr:w4 hours/day unpaid professionals help s with a	Cont
05	S5RAUFCAREHR	s5raufcarehr:w5 hours/day unpaid professionals help s with a	Cont
06	S6RAUFCAREHR	s6raufcarehr:w6 hours/day unpaid professionals help s with a	Cont
07	S7RAUFCAREHR	s7raufcarehr:w7 hours/day unpaid professionals help s with a	Cont
08	S8RAUFCAREHR	s8raufcarehr:w8 hours/day unpaid professionals help s with a	Cont
09	S9RAUFCAREHR	s9raufcarehr:w9 hours/day unpaid professionals help s with a	Cont
10	S10RAUFCAREHR	s10raufcarehr:w10 hours/day unpaid professionals help s with	Cont
11	S11RAUFCAREHR	s11raufcarehr:w11 hours/day unpaid professionals help s with	Cont
12	S12RAUFCAREHR	s12raufcarehr:w12 hours/day unpaid professionals help s with	Cont
13	S13RAUFCAREHR	s13raufcarehr:w13 hours/day unpaid professionals help s with	Cont
14	S14RAUFCAREHR	s14raufcarehr:w14 hours/day unpaid professionals help s with	Cont
15	S15RAUFCAREHR	s15raufcarehr:w15 hours/day unpaid professionals help s with	Cont
02	R2RAUFCAREHRM	r2raufcarehrm:w2 r # unpaid professionals missing hours of h	Cont
03	R3RAUFCAREHRM	r3raufcarehrm:w3 r # unpaid professionals missing hours of h	Cont
04	R4RAUFCAREHRM	r4raufcarehrm:w4 r # unpaid professionals missing hours of h	Cont
05	R5RAUFCAREHRM	r5raufcarehrm:w5 r # unpaid professionals missing hours of h	Cont
06	R6RAUFCAREHRM	r6raufcarehrm:w6 r # unpaid professionals missing hours of h	Cont
07	R7RAUFCAREHRM	r7raufcarehrm:w7 r # unpaid professionals missing hours of h	Cont
08	R8RAUFCAREHRM	r8raufcarehrm:w8 r # unpaid professionals missing hours of h	Cont
09	R9RAUFCAREHRM	r9raufcarehrm:w9 r # unpaid professionals missing hours of h	Cont
10	R10RAUFCAREHRM	r10raufcarehrm:w10 r # unpaid professionals missing hours of	Cont
11	R11RAUFCAREHRM	r11raufcarehrm:w11 r # unpaid professionals missing hours of	Cont
12	R12RAUFCAREHRM	r12raufcarehrm:w12 r # unpaid professionals missing hours of	Cont
13	R13RAUFCAREHRM	r13raufcarehrm:w13 r # unpaid professionals missing hours of	Cont
14	R14RAUFCAREHRM	r14raufcarehrm:w14 r # unpaid professionals missing hours of	Cont
15	R15RAUFCAREHRM	r15raufcarehrm:w15 r # unpaid professionals missing hours of	Cont
02	S2RAUFCAREHRM	s2raufcarehrm:w2 s # unpaid professionals missing hours of h	Cont
03	S3RAUFCAREHRM	s3raufcarehrm:w3 s # unpaid professionals missing hours of h	Cont
04	S4RAUFCAREHRM	s4raufcarehrm:w4 s # unpaid professionals missing hours of h	Cont
05	S5RAUFCAREHRM	s5raufcarehrm:w5 s # unpaid professionals missing hours of h	Cont
06	S6RAUFCAREHRM	s6raufcarehrm:w6 s # unpaid professionals missing hours of h	Cont
07	S7RAUFCAREHRM	s7raufcarehrm:w7 s # unpaid professionals missing hours of h	Cont
08	S8RAUFCAREHRM	s8raufcarehrm:w8 s # unpaid professionals missing hours of h	Cont
09	S9RAUFCAREHRM	s9raufcarehrm:w9 s # unpaid professionals missing hours of h	Cont
10	S10RAUFCAREHRM	s10raufcarehrm:w10 s # unpaid professionals missing hours of	Cont
11	S11RAUFCAREHRM	s11raufcarehrm:w11 s # unpaid professionals missing hours of	Cont
12	S12RAUFCAREHRM	s12raufcarehrm:w12 s # unpaid professionals missing hours of	Cont
13	S13RAUFCAREHRM	s13raufcarehrm:w13 s # unpaid professionals missing hours of	Cont
14	S14RAUFCAREHRM	s14raufcarehrm:w14 s # unpaid professionals missing hours of	Cont
15	S15RAUFCAREHRM	s15raufcarehrm:w15 s # unpaid professionals missing hours of	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RAUFCARE	659	0.03	0.18	0.00	1.00
R3RAUFCARE	1558	0.02	0.13	0.00	1.00
R4RAUFCARE	1722	0.02	0.13	0.00	1.00



R5RAUFCARE	1650	0.01	0.11	0.00	1.00
R6RAUFCARE	1636	0.01	0.09	0.00	1.00
R7RAUFCARE	1723	0.01	0.09	0.00	1.00
R8RAUFCARE	1658	0.01	0.10	0.00	1.00
R9RAUFCARE	1570	0.02	0.13	0.00	1.00
R10RAUFCARE	2131	0.01	0.10	0.00	1.00
R11RAUFCARE	2008	0.01	0.11	0.00	1.00
R12RAUFCARE	1940	0.01	0.10	0.00	1.00
R13RAUFCARE	2027	0.01	0.09	0.00	1.00
R14RAUFCARE	1553	0.01	0.10	0.00	1.00
R15RAUFCARE	1245	0.01	0.08	0.00	1.00
S2RAUFCARE	293	0.03	0.16	0.00	1.00
S3RAUFCARE	778	0.01	0.09	0.00	1.00
S4RAUFCARE	851	0.01	0.11	0.00	1.00
S5RAUFCARE	791	0.01	0.11	0.00	1.00
S6RAUFCARE	760	0.00	0.05	0.00	1.00
S7RAUFCARE	800	0.01	0.09	0.00	1.00
S8RAUFCARE	804	0.00	0.07	0.00	1.00
S9RAUFCARE	691	0.01	0.08	0.00	1.00
S10RAUFCARE	1019	0.01	0.08	0.00	1.00
S11RAUFCARE	918	0.01	0.10	0.00	1.00
S12RAUFCARE	882	0.01	0.11	0.00	1.00
S13RAUFCARE	887	0.01	0.07	0.00	1.00
S14RAUFCARE	698	0.01	0.09	0.00	1.00
S15RAUFCARE	542	0.00	0.04	0.00	1.00
R2RAUFCAREN	659	0.03	0.18	0.00	1.00
R3RAUFCAREN	1558	0.02	0.15	0.00	2.00
R4RAUFCAREN	1722	0.02	0.14	0.00	2.00
R5RAUFCAREN	1650	0.01	0.11	0.00	1.00
R6RAUFCAREN	1636	0.01	0.10	0.00	2.00
R7RAUFCAREN	1723	0.01	0.09	0.00	1.00
R8RAUFCAREN	1658	0.01	0.11	0.00	2.00
R9RAUFCAREN	1570	0.02	0.14	0.00	2.00
R10RAUFCAREN	2131	0.01	0.11	0.00	2.00
R11RAUFCAREN	2008	0.01	0.14	0.00	4.00
R12RAUFCAREN	1940	0.01	0.10	0.00	1.00
R13RAUFCAREN	2027	0.01	0.12	0.00	3.00
R14RAUFCAREN	1553	0.01	0.11	0.00	2.00
R15RAUFCAREN	1245	0.01	0.08	0.00	1.00
S2RAUFCAREN	293	0.03	0.16	0.00	1.00
S3RAUFCAREN	778	0.01	0.11	0.00	2.00
S4RAUFCAREN	851	0.02	0.14	0.00	2.00
S5RAUFCAREN	791	0.01	0.11	0.00	1.00
S6RAUFCAREN	760	0.00	0.05	0.00	1.00
S7RAUFCAREN	800	0.01	0.09	0.00	1.00
S8RAUFCAREN	804	0.00	0.07	0.00	1.00
S9RAUFCAREN	691	0.01	0.10	0.00	2.00
S10RAUFCAREN	1019	0.01	0.10	0.00	2.00
S11RAUFCAREN	918	0.01	0.16	0.00	4.00
S12RAUFCAREN	882	0.01	0.11	0.00	1.00
S13RAUFCAREN	887	0.01	0.07	0.00	1.00
S14RAUFCAREN	698	0.01	0.09	0.00	1.00
S15RAUFCAREN	542	0.00	0.04	0.00	1.00
R3RAUFCAREDPM	1558	0.43	3.93	0.00	62.00
R4RAUFCAREDPM	1721	0.31	2.69	0.00	35.00
R5RAUFCAREDPM	1650	0.17	1.92	0.00	30.00
R6RAUFCAREDPM	1636	0.14	1.92	0.00	38.00
R7RAUFCAREDPM	1721	0.17	2.09	0.00	31.00
R8RAUFCAREDPM	1658	0.24	2.53	0.00	31.00

R9RAUFCAREDPM	1570	0.28	2.49	0.00	43.00
R10RAUFCAREDPM	2131	0.14	1.68	0.00	31.00
R11RAUFCAREDPM	2008	0.19	2.15	0.00	32.00
R12RAUFCAREDPM	1940	0.14	1.79	0.00	31.00
R13RAUFCAREDPM	2025	0.12	1.71	0.00	31.00
R14RAUFCAREDPM	1552	0.16	2.17	0.00	60.00
R15RAUFCAREDPM	1244	0.11	1.68	0.00	31.00
S3RAUFCAREDPM	778	0.22	2.63	0.00	44.00
S4RAUFCAREDPM	851	0.27	2.64	0.00	35.00
S5RAUFCAREDPM	791	0.19	2.10	0.00	30.00
S6RAUFCAREDPM	760	0.04	0.78	0.00	20.00
S7RAUFCAREDPM	799	0.19	2.27	0.00	31.00
S8RAUFCAREDPM	804	0.07	1.18	0.00	30.00
S9RAUFCAREDPM	691	0.13	1.95	0.00	43.00
S10RAUFCAREDPM	1019	0.11	1.60	0.00	31.00
S11RAUFCAREDPM	918	0.14	1.74	0.00	31.00
S12RAUFCAREDPM	882	0.10	1.32	0.00	31.00
S13RAUFCAREDPM	886	0.09	1.53	0.00	31.00
S14RAUFCAREDPM	698	0.14	1.72	0.00	30.00
S15RAUFCAREDPM	542	0.01	0.26	0.00	6.00
R3RAUFCAREDPMM	1558	0.00	0.00	0.00	0.00
R4RAUFCAREDPMM	1722	0.00	0.00	0.00	0.00
R5RAUFCAREDPMM	1650	0.00	0.00	0.00	0.00
R6RAUFCAREDPMM	1636	0.00	0.00	0.00	0.00
R7RAUFCAREDPMM	1723	0.00	0.03	0.00	1.00
R8RAUFCAREDPMM	1658	0.00	0.00	0.00	0.00
R9RAUFCAREDPMM	1570	0.00	0.00	0.00	0.00
R10RAUFCAREDPMM	2131	0.00	0.00	0.00	0.00
R11RAUFCAREDPMM	2008	0.00	0.00	0.00	0.00
R12RAUFCAREDPMM	1940	0.00	0.00	0.00	0.00
R13RAUFCAREDPMM	2027	0.00	0.07	0.00	3.00
R14RAUFCAREDPMM	1553	0.00	0.03	0.00	1.00
R15RAUFCAREDPMM	1245	0.00	0.03	0.00	1.00
S3RAUFCAREDPMM	778	0.00	0.00	0.00	0.00
S4RAUFCAREDPMM	851	0.00	0.00	0.00	0.00
S5RAUFCAREDPMM	791	0.00	0.00	0.00	0.00
S6RAUFCAREDPMM	760	0.00	0.00	0.00	0.00
S7RAUFCAREDPMM	800	0.00	0.04	0.00	1.00
S8RAUFCAREDPMM	804	0.00	0.00	0.00	0.00
S9RAUFCAREDPMM	691	0.00	0.00	0.00	0.00
S10RAUFCAREDPMM	1019	0.00	0.00	0.00	0.00
S11RAUFCAREDPMM	918	0.00	0.00	0.00	0.00
S12RAUFCAREDPMM	882	0.00	0.00	0.00	0.00
S13RAUFCAREDPMM	887	0.00	0.03	0.00	1.00
S14RAUFCAREDPMM	698	0.00	0.00	0.00	0.00
S15RAUFCAREDPMM	542	0.00	0.00	0.00	0.00
R2RAUFCAREHR	658	0.07	0.51	0.00	8.00
R3RAUFCAREHR	1556	0.07	0.98	0.00	26.00
R4RAUFCAREHR	1721	0.06	0.73	0.00	24.00
R5RAUFCAREHR	1650	0.04	0.70	0.00	24.00
R6RAUFCAREHR	1635	0.02	0.28	0.00	8.00
R7RAUFCAREHR	1721	0.03	0.38	0.00	8.00
R8RAUFCAREHR	1658	0.04	0.49	0.00	10.00
R9RAUFCAREHR	1569	0.07	0.84	0.00	24.00
R10RAUFCAREHR	2130	0.02	0.26	0.00	5.00
R11RAUFCAREHR	2006	0.04	0.45	0.00	11.00
R12RAUFCAREHR	1940	0.05	0.88	0.00	24.00
R13RAUFCAREHR	2025	0.04	0.64	0.00	20.00
R14RAUFCAREHR	1550	0.03	0.44	0.00	12.00

R15RAUFCAREHR	1244	0.02	0.26	0.00	5.00
S2RAUFCAREHR	292	0.04	0.33	0.00	4.00
S3RAUFCAREHR	777	0.01	0.18	0.00	4.00
S4RAUFCAREHR	851	0.03	0.34	0.00	6.00
S5RAUFCAREHR	791	0.06	0.97	0.00	24.00
S6RAUFCAREHR	760	0.00	0.08	0.00	2.00
S7RAUFCAREHR	799	0.03	0.40	0.00	8.00
S8RAUFCAREHR	804	0.02	0.30	0.00	6.00
S9RAUFCAREHR	691	0.01	0.18	0.00	4.00
S10RAUFCAREHR	1019	0.02	0.26	0.00	5.00
S11RAUFCAREHR	918	0.05	0.61	0.00	11.00
S12RAUFCAREHR	882	0.04	0.82	0.00	24.00
S13RAUFCAREHR	885	0.01	0.27	0.00	7.00
S14RAUFCAREHR	697	0.02	0.24	0.00	5.00
S15RAUFCAREHR	542	0.01	0.13	0.00	3.00
R2RAUFCAREHRM	659	0.00	0.04	0.00	1.00
R3RAUFCAREHRM	1558	0.00	0.06	0.00	2.00
R4RAUFCAREHRM	1722	0.00	0.02	0.00	1.00
R5RAUFCAREHRM	1650	0.00	0.00	0.00	0.00
R6RAUFCAREHRM	1636	0.00	0.02	0.00	1.00
R7RAUFCAREHRM	1723	0.00	0.03	0.00	1.00
R8RAUFCAREHRM	1658	0.00	0.00	0.00	0.00
R9RAUFCAREHRM	1570	0.00	0.03	0.00	1.00
R10RAUFCAREHRM	2131	0.00	0.02	0.00	1.00
R11RAUFCAREHRM	2008	0.00	0.03	0.00	1.00
R12RAUFCAREHRM	1940	0.00	0.00	0.00	0.00
R13RAUFCAREHRM	2027	0.00	0.04	0.00	1.00
R14RAUFCAREHRM	1553	0.00	0.04	0.00	1.00
R15RAUFCAREHRM	1245	0.00	0.03	0.00	1.00
S2RAUFCAREHRM	293	0.00	0.06	0.00	1.00
S3RAUFCAREHRM	778	0.00	0.04	0.00	1.00
S4RAUFCAREHRM	851	0.00	0.00	0.00	0.00
S5RAUFCAREHRM	791	0.00	0.00	0.00	0.00
S6RAUFCAREHRM	760	0.00	0.00	0.00	0.00
S7RAUFCAREHRM	800	0.00	0.04	0.00	1.00
S8RAUFCAREHRM	804	0.00	0.00	0.00	0.00
S9RAUFCAREHRM	691	0.00	0.00	0.00	0.00
S10RAUFCAREHRM	1019	0.00	0.00	0.00	0.00
S11RAUFCAREHRM	918	0.00	0.00	0.00	0.00
S12RAUFCAREHRM	882	0.00	0.00	0.00	0.00
S13RAUFCAREHRM	887	0.00	0.05	0.00	1.00
S14RAUFCAREHRM	698	0.00	0.04	0.00	1.00
S15RAUFCAREHRM	542	0.00	0.00	0.00	0.00

**Categorical Variable Codes**

Value-----	R2RAUFCARE	R3RAUFCARE	R4RAUFCARE	R5RAUFCARE
.d:DK	1	1	3	1
.f:infrequent care	252			
.h:no help received	870	1776	2090	1976
.m:Missing	3	39	28	1
.q:not asked this wave	11595			
.r:Refuse		2		3
.x:no difficulties	6437	14615	17541	15947
0.no	636	1533	1694	1630
1.yes	23	25	28	20

Value-----	R6RAUFCARE	R7RAUFCARE	R8RAUFCARE	R9RAUFCARE	R10RAUFCARE
.d:DK	2			8	17
.h:no help received	1804	1840	1972	1777	2115
.m:Missing	7	10	8	2	2
.r:Refuse	1		1		3

.x:no difficulties	14715	16556	14830	13860	17766
0.no	1623	1708	1640	1543	2110
1.yes	13	15	18	27	21
Value-----	R11RAUFCARE	R12RAUFCARE	R13RAUFCARE	R14RAUFCARE	R15RAUFCARE
.d:DK	30	25	20	23	26
.h:no help received	1931	1882	1966	1699	1996
.m:Missing	1	1			6
.r:Refuse	6	9	6	7	6
.x:no difficulties	16578	14890	16893	13864	12444
0.no	1984	1920	2011	1538	1236
1.yes	24	20	16	15	9
Value-----		S2RAUFCARE	S3RAUFCARE	S4RAUFCARE	S5RAUFCARE
.f:infrequent care		110			
.h:no help received		340	884	1034	999
.m:Missing		2	12	7	
.q:not asked this wave		8738			
.r:Refuse					1
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:no difficulties		3605	10242	12086	10939
0.no		285	772	840	782
1.yes		8	6	11	9
Value-----	S6RAUFCARE	S7RAUFCARE	S8RAUFCARE	S9RAUFCARE	S10RAUFCARE
.d:DK				3	5
.h:no help received	838	861	924	803	961
.m:Missing	3	1	1	2	
.r:Refuse					1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10031	11306	9999	9141	11522
0.no	758	793	800	687	1012
1.yes	2	7	4	4	7
Value-----	S11RAUFCARE	S12RAUFCARE	S13RAUFCARE	S14RAUFCARE	S15RAUFCARE
.d:DK	12	8	7	2	8
.h:no help received	900	815	816	648	894
.m:Missing					1
.r:Refuse	1		2	2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10645	9307	10066	8008	7020
0.no	908	872	882	692	541
1.yes	10	10	5	6	1

## How Constructed:

The following variables indicate whether unpaid formal caregivers help the respondent with any ADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In Waves 3 and onward, if the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, and are coded as special missing .h if the respondent reports difficulty with an ADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRAUFCARE, RwRAUFCAREN, RwRAUFCAREDPM, RwRAUFCAREDPMM, RwRAUFCAREHR, and RwRAUFCAREHRM include help from an organization/agency if they are reported to not be paid for the AHEAD cohort in Wave 2. These variables include help from a professional, employee of institution, and organization if they are

reported to not be paid in Waves 3 through 5. These variables include help from organizations, paid helpers, professionals, or specified professionals if they are reported to not be paid in Wave 6 and onward.

RwRAUFCARE indicates whether any unpaid professionals help the respondent with ADL needs. RwRAUFCAREN indicates the number of unpaid professionals who help the respondent with ADL needs. RwRAUFCARE is coded as 0 if no unpaid professionals help the respondent with ADLs, and is coded as 1 if at least one unpaid professional helps the respondent with ADLs. In Wave 2, RwRAUFCARE and RwRAUFCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRAUFCARE and RwRAUFCAREN are not available in Wave 1.

RwRAUFCAREDPM indicates the number of total days per month unpaid professionals help the respondent with ADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRAUFCAREDPM is the sum of days per month for all unpaid professional helpers, and so values can be over 31 days. RwRAUFCAREDPM is calculated as long as there is one non-missing value. RwRAUFCAREDPMM indicates the number of unpaid professionals who helped the respondent for whom no value of days was reported and was not accounted for in RwRAUFCAREDPM. RwRAUFCAREDPMM is assigned special missing .m if the respondent was not helped by any unpaid professionals or prior information was missing. RwRAUFCAREDPM and RwRAUFCAREDPMM are not available in Waves 1 and 2.

RwRAUFCAREHR indicates the number of hours per day unpaid professionals help the respondent with ADL needs. Respondents are asked, on days unpaid professionals help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RwRAUFCAREHR is the sum of hours per day for all unpaid professional helpers, and so values can be over 24 hours. RwRAUFCAREHR is calculated as long as there is one non-missing value. RwRAUFCAREHRM indicates the number of unpaid professionals who helped the respondent for whom no value of hours was reported and was not accounted for in RwRAUFCAREHR. RwRAUFCAREHRM is assigned special missing .m if the respondent was not helped by any unpaid professionals or prior information was missing. In Wave 2, RwRAUFCAREHR and RwRAUFCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRAUFCAREHR and RwRAUFCAREHRM are not available in Wave 1.

SwRAUFCARE, SwRAUFCAREN, SwRAUFCAREDPM, and SwRAUFCAREHR indicate whether the respondent's current wave's spouse receives help from unpaid professionals, the number, and the frequency with which, and their values are taken from RwRAUFCARE, RwRAUFCAREN, RwRAUFCAREDPM, and RwRAUFCAREHR. SwRAUFCAREDPMM and SwRAUFCAREHRM indicate the number of unpaid professionals who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RwRAUFCAREDPMM and RwRAUFCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Respondents are asked who helps them with ADLs, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RwRAUFCARE and RwRAUFCAREN are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RwRAUFCARE and RwRAUFCAREN are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that an unpaid professional helps them with ADLs, and were asked how frequently and the number of hours that the unpaid professional provides help.

However, the frequency of help is not comparable to other waves and so R<sub>w</sub>RAUFCAREDP<sub>m</sub> and R<sub>w</sub>RAUFCAREDP<sub>mm</sub> are not available in this wave. The number of hours that the unpaid professional helps is comparable, and so R<sub>w</sub>RAUFCAREHR and R<sub>w</sub>RAUFCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then R<sub>w</sub>RAUFCAREHR and R<sub>w</sub>RAUFCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with ADLs, and are asked about the number of days or number of hours that an unpaid professional helps the respondent. As such, R<sub>w</sub>RAUFCAREDP<sub>m</sub> and R<sub>w</sub>RAUFCAREDP<sub>mm</sub> are available beginning in Wave 3.

## HRS Variables Used:

### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed
R12DRESSA	r12dressa:w12 r any diff-dressing
R12EATA	r12eata:w12 r any diff-eating
R12TOILTA	r12toilta:w12 r any diff-using the toilet
R12WALKRA	r12walkra:w12 r any diff-walk across room
R13BATHA	r13batha:w13 r any diff-bathing, shower
R13BEDA	r13beda:w13 r any diff-get in/out bed
R13DRESSA	r13dressa:w13 r any diff-dressing
R13EATA	r13eata:w13 r any diff-eating
R13TOILTA	r13toilta:w13 r any diff-using the toilet
R13WALKRA	r13walkra:w13 r any diff-walk across room
R14BATHA	r14batha:w14 r any diff-bathing, shower
R14BEDA	r14beda:w14 r any diff-get in/out bed
R14DRESSA	r14dressa:w14 r any diff-dressing
R14EATA	r14eata:w14 r any diff-eating
R14TOILTA	r14toilta:w14 r any diff-using the toilet
R14WALKRA	r14walkra:w14 r any diff-walk across room
R15BATHA	r15batha:w15 r any diff-bathing, shower
R15BEDA	r15beda:w15 r any diff-get in/out bed
R15DRESSA	r15dressa:w15 r any diff-dressing
R15EATA	r15eata:w15 r any diff-eating
R15TOILTA	r15toilta:w15 r any diff-using the toilet
R15WALKRA	r15walkra:w15 r any diff-walk across room
R3BATHA	r3batha:w3 r any diff-bathing, shower
R3BEDA	r3beda:w3 r any diff-get in/out bed
R3DRESSA	r3dressa:w3 r any diff-dressing
R3EATA	r3eata:w3 r any diff-eating
R3TOILTA	r3toilta:w3 r any diff-using the toilet
R3WALKRA	r3walkra:w3 r any diff-walk across room
R4BATHA	r4batha:w4 r any diff-bathing, shower
R4BEDA	r4beda:w4 r any diff-get in/out bed
R4DRESSA	r4dressa:w4 r any diff-dressing
R4EATA	r4eata:w4 r any diff-eating
R4TOILTA	r4toilta:w4 r any diff-using the toilet
R4WALKRA	r4walkra:w4 r any diff-walk across room
R5BATHA	r5batha:w5 r any diff-bathing, shower
R5BEDA	r5beda:w5 r any diff-get in/out bed

R5DRESSA	r5dressa:w5 r any diff-dressing
R5EATA	r5eata:w5 r any diff-eating
R5TOILTA	r5toilta:w5 r any diff-using the toilet
R5WALKRA	r5walkra:w5 r any diff-walk across room
R6BATHA	r6batha:w6 r any diff-bathing, shower
R6BEDA	r6beda:w6 r any diff-get in/out bed
R6DRESSA	r6dressa:w6 r any diff-dressing
R6EATA	r6eata:w6 r any diff-eating
R6TOILTA	r6toilta:w6 r any diff-using the toilet
R6WALKRA	r6walkra:w6 r any diff-walk across room
R7BATHA	r7batha:w7 r any diff-bathing, shower
R7BEDA	r7beda:w7 r any diff-get in/out bed
R7DRESSA	r7dressa:w7 r any diff-dressing
R7EATA	r7eata:w7 r any diff-eating
R7TOILTA	r7toilta:w7 r any diff-using the toilet
R7WALKRA	r7walkra:w7 r any diff-walk across room
R8BATHA	r8batha:w8 r any diff-bathing, shower
R8BEDA	r8beda:w8 r any diff-get in/out bed
R8DRESSA	r8dressa:w8 r any diff-dressing
R8EATA	r8eata:w8 r any diff-eating
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V992	E60. HELPER HOW OFTEN
V993	E61. HELPER HOURS PER DAY

## Wave 2 AHEAD HHLIST:

OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN_INHH	hrs w2: # in hhold (r1/r2 only)
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## Wave 3 AHEAD:

D1870	adlck.ckpt for skipping adl series
D1877	e72f.adl walk help

D1887 e73f.adl dress help  
 D1897 e74f.adl bathe help  
 D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7

## Wave 3 AHEAD Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
 E1901 e72f.adl walk help  
 E1911 e73f.adl dress help  
 E1921 e74f.adl bathe help  
 E1931 e75f.adl eat help  
 E1944 e76f.adl bed help  
 E1954 e77f.adl toilet help  
 E1976 e83.who help-11  
 E1990 e84.who help-2  
 E1999 e85.who help-3  
 E2003 e86.who help-4  
 E2007 e87.who help-5  
 E2011 e88.who help-6  
 E2015 e89.who help-7

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2426 e73f.adl dress help  
 F2431 e72.adl walk help  
 F2447 e74f.adl bathe help  
 F2457 e75f.adl eat help  
 F2470 e76f.adl bed help  
 F2480 e77f.adl toilet help  
 F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2541 e89.who help-7

## Wave 4 Helper:



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
F2658	E158-2. HELPER OFTEN
F2659	E158A-2.HELPER PER WEEK
F2660	E158B-2.HELPER EVERY DAY
F2662	E159-2. HELPER HOURS
F2665	E162-2. HELPER PAID
Wave 5:	
G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4
G2831	e87.who help-5
G2835	e88.who help-6
G2839	e89.who help-7
Wave 5 Helper:	
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
OPN	OTHER PERSON NUMBER
Wave 6:	
HG013	chkpnt: count of hg001 through hg012
HG015	help w/dress
HG020	adl walk help
HG022	adl bathe help
HG024	adl eat help
HG029	adl bed help
HG031	adl toilet help
HG032_1	who helps most- adl- 1
HG032_2	who helps- adl- 2
HG032_3	who helps- adl- 3
HG032_4	who helps- adl- 4
HG032_5	who helps- adl- 5
HG032_6	who helps- adl- 6
HG032_7	who helps- adl- 7
Wave 6 Helper:	
HADLNDX	adl helper index
HG069	helper relationship
HG070	freq of help given- days in last month
HG071	freq of help given- days per week
HG072	did helper help every dy
HG073	#hrs of help
HG076	helper paid to help
Wave 7:	
JG013	chkpnt: count of jg001 through jg012

JG015	help w/dress
JG020	adl walk help
JG022	adl bathe help
JG024	adl eat help
JG029	adl bed help
JG031	adl toilet help
JG032_1	who helps most- adl- 1
JG032_2	who helps- adl- 2
JG032_3	who helps- adl- 3
JG032_4	who helps- adl- 4
JG032_5	who helps- adl- 5
JG032_6	who helps- adl- 6
JG032_7	who helps- adl- 7
Wave 7 Helper:	
JADLNDX	index connection to the adl table
JG069	helper relationship
JG070	freq of help given-days last month
JG071	# days helper helped
JG072	did helper help every dy
JG073	#hrs of help
JG076	helper given money to help
Wave 8:	
KG013	chkpnt: count of jg001 through jg012
KG015	help w/dress
KG020	adl walk help
KG022	adl bathe help
KG024	adl eat help
KG029	adl bed help
KG031	adl toilet help
KG032_1	who helps most- adl- 1
KG032_2	who helps- adl- 2
KG032_3	who helps- adl- 3
KG032_4	who helps- adl- 4
KG032_5	who helps- adl- 5
KG032_6	who helps- adl- 6
KG032_7	who helps- adl- 7
Wave 8 Helper:	
KADLNDX	index connection to the adl table
KG069	helper relationship
KG070	freq of help given-days last month
KG071	# days helper helped
KG072	did helper help every dy
KG073	#hrs of help
KG076	helper given money to help
Wave 9:	
LG013	chkpnt: count of lg001 through lg012
LG015	help w/dress
LG020	adl walk help
LG022	adl bathe help
LG024	adl eat help
LG029	adl bed help
LG031	adl toilet help
LG032_1	who helps most- adl- 1
LG032_2	who helps- adl- 2
LG032_3	who helps- adl- 3
LG032_4	who helps- adl- 4
LG032_5	who helps- adl- 5
LG032_6	who helps- adl- 6
LG032_7	who helps- adl- 7
Wave 9 Helper:	
LADLNDX	index connection to the adl table
LG069	helper relationship
LG070	freq of help given-days last month

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LG071      # days helper helped
LG072      did helper help every day
LG073      #hrs of help
LG076      helper given money to help

Wave 10:
MG013      chkpnt: count of mg001 through mg012
MG015      help w/dress
MG020      adl walk help
MG022      adl bathe help
MG024      adl eat help
MG029      adl bed help
MG031      adl toilet help
MG032_1    who helps most- adl- 1
MG032_2    who helps- adl- 2
MG032_3    who helps- adl- 3
MG032_4    who helps- adl- 4
MG032_5    who helps- adl- 5
MG032_6    who helps- adl- 6
MG032_7    who helps- adl- 7

Wave 10 Helper:
MADLNDX    index connection to the adl table
MG069      helper relationship -1
MG070      freq of help given -1
MG071      # days helper helped -1
MG072      did helper help every dy -1
MG073      #hrs of help -1
MG076      helper given money to help -1

Wave 11:
NG013      chkpnt: count of ng001 through ng012
NG015      help w/dress
NG020      adl walk help
NG022      adl bathe help
NG024      adl eat help
NG029      adl bed help
NG031      adl toilet help
NG032_1    who helps most- adl- 1
NG032_2    who helps- adl- 2
NG032_3    who helps- adl- 3
NG032_4    who helps- adl- 4
NG032_5    who helps- adl- 5
NG032_6    who helps- adl- 6
NG032_7    who helps- adl- 7

Wave 11 Helper:
NADLNDX    index connection to the adl table
NG069      helper relationship
NG070      freq of help given
NG071      # days helper helped
NG072      did helper help every dy
NG073      #hrs of help
NG076      helper given money to help

Wave 12:
OG013      chkpnt: count of g001 through g012
OG015      help w/dress
OG020      adl walk help
OG022      adl bathe help
OG024      adl eat help
OG029      adl bed help
OG031      adl toilet help
OG032_1    who helps most- adl- 1
OG032_2    who helps- adl- 2
OG032_3    who helps- adl- 3
OG032_4    who helps- adl- 4
OG032_5    who helps- adl- 5
```

OG032_6	who helps- adl- 6
OG032_7	who helps- adl- 7
Wave 12 Helper:	
OADLNDX	index connection to the adl table
OG069	helper relationship
OG070	freq of help given
OG071	# days helper helped
OG072	did helper help every dy
OG073	#hrs of help
OG076	helper given money to help
Wave 13:	
PG013	chkpnt: count of g001 through g012
PG015	help w/dress
PG020	adl walk help
PG022	adl bathe help
PG024	adl eat help
PG029	adl bed help
PG031	adl toilet help
PG032_1	who helps most- adl- 1
PG032_2	who helps- adl- 2
PG032_3	who helps- adl- 3
PG032_4	who helps- adl- 4
PG032_5	who helps- adl- 5
PG032_6	who helps- adl- 6
PG032_7	who helps- adl- 7
Wave 13 Helper:	
PADLNDX	index connection to the adl table
PG069	helper relationship
PG070	freq of help given
PG071	# days helper helped
PG072	did helper help every dy
PG073	#hrs of help
PG076	helper given money to help
Wave 14:	
QG013	chkpnt: count of g001 through g012
QG015	help w/dress
QG020	adl walk help
QG022	adl bathe help
QG024	adl eat help
QG029	adl bed help
QG031	adl toilet help
QG032_1	who helps most- adl- 1
QG032_2	who helps- adl- 2
QG032_3	who helps- adl- 3
QG032_4	who helps- adl- 4
QG032_5	who helps- adl- 5
QG032_6	who helps- adl- 6
QG032_7	who helps- adl- 7
Wave 14 Helper:	
QADLNDX	INDEX CONNECTION TO THE ADL TABLE
QG069	HELPER RELATIONSHIP
QG070	FREQ OF HELP GIVEN
QG071	# DAYS HELPER HELPED
QG072	DID HELPER HELP EVERY DY
QG073	#HRS OF HELP
QG076	HELPER GIVEN MONEY TO HELP
Wave 15:	
RG013	chkpnt: count of g001 through g012
RG015	help w/dress
RG020	adl walk help
RG022	adl bathe help
RG024	adl eat help
RG029	adl bed help

RG031	adl toilet help
RG032_1	who helps most- adl- 1
RG032_2	who helps- adl- 2
RG032_3	who helps- adl- 3
RG032_4	who helps- adl- 4
RG032_5	who helps- adl- 5
RG032_6	who helps- adl- 6
RG032_7	who helps- adl- 7

## Wave 15 Helper:

RADLNDX	INDEX CONNECTION TO THE ADL TABLE
RG069	HELPER RELATIONSHIP
RG070	FREQ OF HELP GIVEN
RG071	# DAYS HELPER HELPED
RG072	DID HELPER HELP EVERY DY
RG073	#HRS OF HELP
RG076	HELPER GIVEN MONEY TO HELP

<b>Activities of Daily Living: Paid Help</b>
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Wave	Variable	Label	Type
02	R2AHLPPDN	r2ahlppdn:w2 r # paid helpers for adls	Cont
03	R3AHLPPDN	r3ahlppdn:w3 r # paid helpers for adls	Cont
04	R4AHLPPDN	r4ahlppdn:w4 r # paid helpers for adls	Cont
05	R5AHLPPDN	r5ahlppdn:w5 r # paid helpers for adls	Cont
06	R6AHLPPDN	r6ahlppdn:w6 r # paid helpers for adls	Cont
07	R7AHLPPDN	r7ahlppdn:w7 r # paid helpers for adls	Cont
08	R8AHLPPDN	r8ahlppdn:w8 r # paid helpers for adls	Cont
09	R9AHLPPDN	r9ahlppdn:w9 r # paid helpers for adls	Cont
10	R10AHLPPDN	r10ahlppdn:w10 r # paid helpers for adls	Cont
11	R11AHLPPDN	r11ahlppdn:w11 r # paid helpers for adls	Cont
12	R12AHLPPDN	r12ahlppdn:w12 r # paid helpers for adls	Cont
13	R13AHLPPDN	r13ahlppdn:w13 r # paid helpers for adls	Cont
14	R14AHLPPDN	r14ahlppdn:w14 r # paid helpers for adls	Cont
15	R15AHLPPDN	r15ahlppdn:w15 r # paid helpers for adls	Cont
02	S2AHLPPDN	s2ahlppdn:w2 s # paid helpers for adls	Cont
03	S3AHLPPDN	s3ahlppdn:w3 s # paid helpers for adls	Cont
04	S4AHLPPDN	s4ahlppdn:w4 s # paid helpers for adls	Cont
05	S5AHLPPDN	s5ahlppdn:w5 s # paid helpers for adls	Cont
06	S6AHLPPDN	s6ahlppdn:w6 s # paid helpers for adls	Cont
07	S7AHLPPDN	s7ahlppdn:w7 s # paid helpers for adls	Cont
08	S8AHLPPDN	s8ahlppdn:w8 s # paid helpers for adls	Cont
09	S9AHLPPDN	s9ahlppdn:w9 s # paid helpers for adls	Cont
10	S10AHLPPDN	s10ahlppdn:w10 s # paid helpers for adls	Cont
11	S11AHLPPDN	s11ahlppdn:w11 s # paid helpers for adls	Cont
12	S12AHLPPDN	s12ahlppdn:w12 s # paid helpers for adls	Cont
13	S13AHLPPDN	s13ahlppdn:w13 s # paid helpers for adls	Cont
14	S14AHLPPDN	s14ahlppdn:w14 s # paid helpers for adls	Cont
15	S15AHLPPDN	s15ahlppdn:w15 s # paid helpers for adls	Cont
02	R2AHLPPDIN	r2ahlppdin:w2 r # paid helpers for adls insurance helps pay	Cont
03	R3AHLPPDIN	r3ahlppdin:w3 r # paid helpers for adls insurance helps pay	Cont
04	R4AHLPPDIN	r4ahlppdin:w4 r # paid helpers for adls insurance helps pay	Cont
05	R5AHLPPDIN	r5ahlppdin:w5 r # paid helpers for adls insurance helps pay	Cont
06	R6AHLPPDIN	r6ahlppdin:w6 r # paid helpers for adls insurance helps pay	Cont
07	R7AHLPPDIN	r7ahlppdin:w7 r # paid helpers for adls insurance helps pay	Cont
08	R8AHLPPDIN	r8ahlppdin:w8 r # paid helpers for adls insurance helps pay	Cont
09	R9AHLPPDIN	r9ahlppdin:w9 r # paid helpers for adls insurance helps pay	Cont
10	R10AHLPPDIN	r10ahlppdin:w10 r # paid helpers for adls insurance helps pa	Cont
11	R11AHLPPDIN	r11ahlppdin:w11 r # paid helpers for adls insurance helps pa	Cont
12	R12AHLPPDIN	r12ahlppdin:w12 r # paid helpers for adls insurance helps pa	Cont
13	R13AHLPPDIN	r13ahlppdin:w13 r # paid helpers for adls insurance helps pa	Cont
14	R14AHLPPDIN	r14ahlppdin:w14 r # paid helpers for adls insurance helps pa	Cont
15	R15AHLPPDIN	r15ahlppdin:w15 r # paid helpers for adls insurance helps pa	Cont
02	S2AHLPPDIN	s2ahlppdin:w2 s # paid helpers for adls insurance helps pay	Cont
03	S3AHLPPDIN	s3ahlppdin:w3 s # paid helpers for adls insurance helps pay	Cont
04	S4AHLPPDIN	s4ahlppdin:w4 s # paid helpers for adls insurance helps pay	Cont
05	S5AHLPPDIN	s5ahlppdin:w5 s # paid helpers for adls insurance helps pay	Cont
06	S6AHLPPDIN	s6ahlppdin:w6 s # paid helpers for adls insurance helps pay	Cont
07	S7AHLPPDIN	s7ahlppdin:w7 s # paid helpers for adls insurance helps pay	Cont
08	S8AHLPPDIN	s8ahlppdin:w8 s # paid helpers for adls insurance helps pay	Cont
09	S9AHLPPDIN	s9ahlppdin:w9 s # paid helpers for adls insurance helps pay	Cont
10	S10AHLPPDIN	s10ahlppdin:w10 s # paid helpers for adls insurance helps pa	Cont
11	S11AHLPPDIN	s11ahlppdin:w11 s # paid helpers for adls insurance helps pa	Cont
12	S12AHLPPDIN	s12ahlppdin:w12 s # paid helpers for adls insurance helps pa	Cont
13	S13AHLPPDIN	s13ahlppdin:w13 s # paid helpers for adls insurance helps pa	Cont

14	S14AHLPPDIN	s14ahlppdin:w14	s # paid helpers for adls insurance helps pa	Cont
15	S15AHLPPDIN	s15ahlppdin:w15	s # paid helpers for adls insurance helps pa	Cont
02	R2AHLPPDAMT	r2ahlppdamt:w2	r total monthly oop cost for paid care for ad	Cont
03	R3AHLPPDAMT	r3ahlppdamt:w3	r total monthly oop cost for paid care for ad	Cont
04	R4AHLPPDAMT	r4ahlppdamt:w4	r total monthly oop cost for paid care for ad	Cont
05	R5AHLPPDAMT	r5ahlppdamt:w5	r total monthly oop cost for paid care for ad	Cont
06	R6AHLPPDAMT	r6ahlppdamt:w6	r total monthly oop cost for paid care for ad	Cont
07	R7AHLPPDAMT	r7ahlppdamt:w7	r total monthly oop cost for paid care for ad	Cont
08	R8AHLPPDAMT	r8ahlppdamt:w8	r total monthly oop cost for paid care for ad	Cont
09	R9AHLPPDAMT	r9ahlppdamt:w9	r total monthly oop cost for paid care for ad	Cont
10	R10AHLPPDAMT	r10ahlppdamt:w10	r total monthly oop cost for paid care for	Cont
11	R11AHLPPDAMT	r11ahlppdamt:w11	r total monthly oop cost for paid care for	Cont
12	R12AHLPPDAMT	r12ahlppdamt:w12	r total monthly oop cost for paid care for	Cont
13	R13AHLPPDAMT	r13ahlppdamt:w13	r total monthly oop cost for paid care for	Cont
14	R14AHLPPDAMT	r14ahlppdamt:w14	r total monthly oop cost for paid care for	Cont
15	R15AHLPPDAMT	r15ahlppdamt:w15	r total monthly oop cost for paid care for	Cont
02	S2AHLPPDAMT	s2ahlppdamt:w2	s total monthly oop cost for paid care for ad	Cont
03	S3AHLPPDAMT	s3ahlppdamt:w3	s total monthly oop cost for paid care for ad	Cont
04	S4AHLPPDAMT	s4ahlppdamt:w4	s total monthly oop cost for paid care for ad	Cont
05	S5AHLPPDAMT	s5ahlppdamt:w5	s total monthly oop cost for paid care for ad	Cont
06	S6AHLPPDAMT	s6ahlppdamt:w6	s total monthly oop cost for paid care for ad	Cont
07	S7AHLPPDAMT	s7ahlppdamt:w7	s total monthly oop cost for paid care for ad	Cont
08	S8AHLPPDAMT	s8ahlppdamt:w8	s total monthly oop cost for paid care for ad	Cont
09	S9AHLPPDAMT	s9ahlppdamt:w9	s total monthly oop cost for paid care for ad	Cont
10	S10AHLPPDAMT	s10ahlppdamt:w10	s total monthly oop cost for paid care for	Cont
11	S11AHLPPDAMT	s11ahlppdamt:w11	s total monthly oop cost for paid care for	Cont
12	S12AHLPPDAMT	s12ahlppdamt:w12	s total monthly oop cost for paid care for	Cont
13	S13AHLPPDAMT	s13ahlppdamt:w13	s total monthly oop cost for paid care for	Cont
14	S14AHLPPDAMT	s14ahlppdamt:w14	s total monthly oop cost for paid care for	Cont
15	S15AHLPPDAMT	s15ahlppdamt:w15	s total monthly oop cost for paid care for	Cont
02	R2AHLPPDAMTM	r2ahlppdamtm:w2	r # paid helpers missing cost of help for ad	Cont
03	R3AHLPPDAMTM	r3ahlppdamtm:w3	r # paid helpers missing cost of help for ad	Cont
04	R4AHLPPDAMTM	r4ahlppdamtm:w4	r # paid helpers missing cost of help for ad	Cont
05	R5AHLPPDAMTM	r5ahlppdamtm:w5	r # paid helpers missing cost of help for ad	Cont
06	R6AHLPPDAMTM	r6ahlppdamtm:w6	r # paid helpers missing cost of help for ad	Cont
07	R7AHLPPDAMTM	r7ahlppdamtm:w7	r # paid helpers missing cost of help for ad	Cont
08	R8AHLPPDAMTM	r8ahlppdamtm:w8	r # paid helpers missing cost of help for ad	Cont
09	R9AHLPPDAMTM	r9ahlppdamtm:w9	r # paid helpers missing cost of help for ad	Cont
10	R10AHLPPDAMTM	r10ahlppdamtm:w10	r # paid helpers missing cost of help for	Cont
11	R11AHLPPDAMTM	r11ahlppdamtm:w11	r # paid helpers missing cost of help for	Cont
12	R12AHLPPDAMTM	r12ahlppdamtm:w12	r # paid helpers missing cost of help for	Cont
13	R13AHLPPDAMTM	r13ahlppdamtm:w13	r # paid helpers missing cost of help for	Cont
14	R14AHLPPDAMTM	r14ahlppdamtm:w14	r # paid helpers missing cost of help for	Cont
15	R15AHLPPDAMTM	r15ahlppdamtm:w15	r # paid helpers missing cost of help for	Cont
02	S2AHLPPDAMTM	s2ahlppdamtm:w2	s # paid helpers missing cost of help for ad	Cont
03	S3AHLPPDAMTM	s3ahlppdamtm:w3	s # paid helpers missing cost of help for ad	Cont
04	S4AHLPPDAMTM	s4ahlppdamtm:w4	s # paid helpers missing cost of help for ad	Cont
05	S5AHLPPDAMTM	s5ahlppdamtm:w5	s # paid helpers missing cost of help for ad	Cont
06	S6AHLPPDAMTM	s6ahlppdamtm:w6	s # paid helpers missing cost of help for ad	Cont
07	S7AHLPPDAMTM	s7ahlppdamtm:w7	s # paid helpers missing cost of help for ad	Cont
08	S8AHLPPDAMTM	s8ahlppdamtm:w8	s # paid helpers missing cost of help for ad	Cont
09	S9AHLPPDAMTM	s9ahlppdamtm:w9	s # paid helpers missing cost of help for ad	Cont
10	S10AHLPPDAMTM	s10ahlppdamtm:w10	s # paid helpers missing cost of help for	Cont
11	S11AHLPPDAMTM	s11ahlppdamtm:w11	s # paid helpers missing cost of help for	Cont
12	S12AHLPPDAMTM	s12ahlppdamtm:w12	s # paid helpers missing cost of help for	Cont
13	S13AHLPPDAMTM	s13ahlppdamtm:w13	s # paid helpers missing cost of help for	Cont
14	S14AHLPPDAMTM	s14ahlppdamtm:w14	s # paid helpers missing cost of help for	Cont
15	S15AHLPPDAMTM	s15ahlppdamtm:w15	s # paid helpers missing cost of help for	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R2AHLPPDN	447	0.56	0.56	0.00	3.00
R3AHLPPDN	799	0.35	0.57	0.00	4.00
R4AHLPPDN	932	0.44	0.60	0.00	4.00
R5AHLPPDN	837	0.41	0.57	0.00	4.00
R6AHLPPDN	1159	0.63	0.56	0.00	4.00
R7AHLPPDN	1213	0.60	0.58	0.00	3.00
R8AHLPPDN	1151	0.64	0.60	0.00	4.00
R9AHLPPDN	1089	0.67	0.63	0.00	7.00
R10AHLPPDN	1497	0.62	0.64	0.00	5.00
R11AHLPPDN	1459	0.62	0.65	0.00	5.00
R12AHLPPDN	1409	0.62	0.69	0.00	5.00
R13AHLPPDN	1477	0.59	0.68	0.00	5.00
R14AHLPPDN	1082	0.60	0.64	0.00	6.00
R15AHLPPDN	855	0.60	0.69	0.00	5.00
S2AHLPPDN	101	0.58	0.55	0.00	2.00
S3AHLPPDN	233	0.35	0.53	0.00	2.00
S4AHLPPDN	288	0.41	0.56	0.00	3.00
S5AHLPPDN	226	0.45	0.61	0.00	4.00
S6AHLPPDN	307	0.58	0.59	0.00	4.00
S7AHLPPDN	318	0.54	0.60	0.00	3.00
S8AHLPPDN	322	0.58	0.58	0.00	3.00
S9AHLPPDN	239	0.56	0.55	0.00	2.00
S10AHLPPDN	425	0.56	0.65	0.00	5.00
S11AHLPPDN	398	0.52	0.58	0.00	3.00
S12AHLPPDN	390	0.50	0.70	0.00	5.00
S13AHLPPDN	403	0.55	0.71	0.00	5.00
S14AHLPPDN	295	0.62	0.73	0.00	6.00
S15AHLPPDN	220	0.58	0.73	0.00	5.00
R2AHLPPDIN	447	0.31	0.49	0.00	2.00
R3AHLPPDIN	799	0.16	0.42	0.00	4.00
R4AHLPPDIN	932	0.23	0.46	0.00	3.00
R5AHLPPDIN	837	0.21	0.44	0.00	3.00
R6AHLPPDIN	1078	0.18	0.41	0.00	3.00
R7AHLPPDIN	1109	0.16	0.39	0.00	2.00
R8AHLPPDIN	1060	0.18	0.41	0.00	3.00
R9AHLPPDIN	1000	0.18	0.47	0.00	7.00
R10AHLPPDIN	1425	0.17	0.42	0.00	3.00
R11AHLPPDIN	1368	0.20	0.46	0.00	3.00
R12AHLPPDIN	1345	0.20	0.48	0.00	5.00
R13AHLPPDIN	1404	0.22	0.51	0.00	5.00
R14AHLPPDIN	1027	0.24	0.52	0.00	6.00
R15AHLPPDIN	820	0.25	0.52	0.00	5.00
S2AHLPPDIN	101	0.42	0.55	0.00	2.00
S3AHLPPDIN	233	0.20	0.43	0.00	2.00
S4AHLPPDIN	288	0.20	0.43	0.00	3.00
S5AHLPPDIN	226	0.23	0.46	0.00	3.00
S6AHLPPDIN	296	0.23	0.48	0.00	3.00
S7AHLPPDIN	305	0.18	0.42	0.00	2.00
S8AHLPPDIN	307	0.15	0.37	0.00	2.00
S9AHLPPDIN	226	0.16	0.40	0.00	2.00
S10AHLPPDIN	407	0.16	0.41	0.00	3.00
S11AHLPPDIN	383	0.18	0.42	0.00	3.00
S12AHLPPDIN	380	0.15	0.44	0.00	5.00
S13AHLPPDIN	392	0.22	0.48	0.00	4.00
S14AHLPPDIN	287	0.30	0.65	0.00	6.00
S15AHLPPDIN	214	0.27	0.58	0.00	5.00



R2AHLPPDAMT	432	164.54	643.83	0.00	7200.00
R3AHLPPDAMT	649	122.37	478.50	0.00	4330.00
R4AHLPPDAMT	703	198.61	757.45	0.00	11000.00
R5AHLPPDAMT	654	211.02	672.62	0.00	7200.00
R6AHLPPDAMT	582	268.07	1162.50	0.00	18000.00
R7AHLPPDAMT	656	219.73	793.72	0.00	10912.00
R8AHLPPDAMT	596	255.89	848.30	0.00	12000.00
R9AHLPPDAMT	554	349.56	1176.94	0.00	12960.00
R10AHLPPDAMT	854	282.74	991.03	0.00	10594.00
R11AHLPPDAMT	805	305.89	1168.22	0.00	11033.00
R12AHLPPDAMT	800	272.33	1110.41	0.00	10800.00
R13AHLPPDAMT	870	278.95	1236.08	0.00	17400.00
R14AHLPPDAMT	627	259.67	1128.46	0.00	15833.00
R15AHLPPDAMT	524	274.62	1090.09	0.00	15411.00
S2AHLPPDAMT	99	139.06	746.70	0.00	7200.00
S3AHLPPDAMT	186	129.83	551.99	0.00	4330.00
S4AHLPPDAMT	223	153.14	439.00	0.00	2700.00
S5AHLPPDAMT	171	211.01	708.40	0.00	5240.00
S6AHLPPDAMT	177	367.64	1613.19	0.00	18000.00
S7AHLPPDAMT	200	227.25	713.07	0.00	4764.00
S8AHLPPDAMT	194	310.07	1107.00	0.00	12000.00
S9AHLPPDAMT	142	303.55	1265.70	0.00	12960.00
S10AHLPPDAMT	261	231.91	828.45	0.00	7180.00
S11AHLPPDAMT	256	291.50	1162.37	0.00	8640.00
S12AHLPPDAMT	262	196.05	883.04	0.00	8300.00
S13AHLPPDAMT	251	252.94	1387.65	0.00	15000.00
S14AHLPPDAMT	179	194.80	777.91	0.00	6700.00
S15AHLPPDAMT	138	162.77	517.84	0.00	3060.00
R2AHLPPDAMTM	447	0.06	0.25	0.00	2.00
R3AHLPPDAMTM	799	0.00	0.00	0.00	0.00
R4AHLPPDAMTM	932	0.07	0.30	0.00	4.00
R5AHLPPDAMTM	837	0.07	0.26	0.00	2.00
R6AHLPPDAMTM	1617	0.65	0.51	0.00	4.00
R7AHLPPDAMTM	1693	0.65	0.52	0.00	3.00
R8AHLPPDAMTM	1638	0.66	0.51	0.00	4.00
R9AHLPPDAMTM	1548	0.65	0.52	0.00	3.00
R10AHLPPDAMTM	2108	0.64	0.54	0.00	3.00
R11AHLPPDAMTM	1994	0.63	0.53	0.00	4.00
R12AHLPPDAMTM	1917	0.60	0.54	0.00	6.00
R13AHLPPDAMTM	1998	0.58	0.54	0.00	5.00
R14AHLPPDAMTM	1517	0.59	0.53	0.00	3.00
R15AHLPPDAMTM	1213	0.52	0.51	0.00	2.00
S2AHLPPDAMTM	101	0.08	0.31	0.00	2.00
S3AHLPPDAMTM	233	0.00	0.00	0.00	0.00
S4AHLPPDAMTM	288	0.07	0.30	0.00	3.00
S5AHLPPDAMTM	226	0.06	0.24	0.00	1.00
S6AHLPPDAMTM	758	0.91	0.37	0.00	4.00
S7AHLPPDAMTM	792	0.93	0.36	0.00	2.00
S8AHLPPDAMTM	803	0.92	0.34	0.00	2.00
S9AHLPPDAMTM	691	0.95	0.34	0.00	2.00
S10AHLPPDAMTM	1018	0.94	0.36	0.00	3.00
S11AHLPPDAMTM	916	0.92	0.36	0.00	2.00
S12AHLPPDAMTM	873	0.89	0.41	0.00	6.00
S13AHLPPDAMTM	886	0.89	0.39	0.00	3.00
S14AHLPPDAMTM	685	0.91	0.36	0.00	3.00
S15AHLPPDAMTM	536	0.86	0.37	0.00	2.00

**How Constructed:**

The following variables indicate whether a paid helper helps the respondent with any ADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In Waves 3 and onward, if the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, and are coded as special missing .h if the respondent reports difficulty with an ADL but does not receive any help. They are coded as special missing .s if the respondent's spouse is the only person who helps with ADL difficulties. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwAHLPPDN indicates the number of helpers who are paid to help the respondent with ADL needs. This question is asked for every helper the respondent reported helped them (children and grandchildren, relatives, non-relatives, and professionals), but is not asked for help from spouses or from employees of an institution starting in Wave 6. Employees of institutions are included in the count of helpers who are paid to help the respondent. In the AHEAD cohort in Wave 2, if the respondent is helped less than once per week, then the question is not asked and RwAHLPPDN is assigned special missing .w in Wave 2. In Wave 2, RwAHLPPDN is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwAHLPPDN is not available in Wave 1.

SwAHLPPDN indicates the number of helpers who are paid to help the respondent's current wave's spouse and is taken directly from RwAHLPPDN. In addition to the special missing codes employed by RwAHLPPDN, SwAHLPPDN employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwAHLPPDIN indicates the number of paid helpers for ADLs for whom Medicaid, the state's version of Medicaid, or insurance helps pay for. RwAHLPPDIN is assigned a value of 0 if the respondent has no paid helpers for ADLs. This question is asked for every helper the respondent reported was paid to help them (children and grandchildren, relatives, non-relatives, and professionals), but is not asked for help from spouses or from employees of an institution starting in Wave 6. As such, if the respondent's only helper is their spouse, then special missing .s is assigned, and if the respondent's only helper is an employee of an institution, then special missing .e is assigned. In the AHEAD cohort in Wave 2, if the respondent is helped less than once per week, then the question is not asked and RwAHLPPDIN is assigned special missing .w in Wave 2. In Wave 2, RwAHLPPDIN is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwAHLPPDIN is not available in Wave 1.

SwAHLPPDIN indicates the number of paid helpers of the respondent's current wave's spouse for whom Medicaid, the state's version of Medicaid, or insurance helps pay for and is taken directly from RwAHLPPDIN. In addition to the special missing codes employed by RwAHLPPDIN, SwAHLPPDIN employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwAHLPPDAMT indicates the total monthly out-of-pocket cost for the respondent's paid caregiving for ADLs. RwAHLPPDAMT is the sum of the out-of-pocket monthly costs paid for all paid helpers. RwAHLPPDAMT is assigned a value of 0 if the respondent has no paid helpers for ADLs. The amount the respondent and their spouse paid for each caregiver (not accounting expenses paid by Medicaid, the state's version of Medicaid, or insurance) is asked for every paid helper the respondent reported helped them (children and grandchildren, relatives, non-relatives, and professionals), but is not asked for help from spouses or from employees of an institution starting in Wave 6. As such, if the respondent's only helper is their spouse, then special missing .s is assigned, and if the respondent's only helper is an employee of an institution, then special missing .e is assigned. In the AHEAD cohort in Wave 2, if the respondent is helped less than once per week, then the question is not asked and RwAHLPPDAMT is assigned special

missing .w in Wave 2. RWAHLPPDAMTM indicates the number of paid helpers who helped the respondent for whom no amount of out-of-pocket cost was reported and was not accounted for in RWAHLPPDAMT, including if the helper was the respondent's spouse or an employee of an institution. In Wave 2, RWAHLPPDAMT is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RWAHLPPDAMT is not available in Wave 1.

SWAHLPPDAMT indicates the total monthly out-of-pocket cost for the respondent's current wave's spouse's paid caregiving, and its values are taken from RWAHLPPDAMT. SWAHLPPDAMTM indicates the number of paid helpers who helped the respondent's current spouse for whom no amount of out-of-pocket cost was reported and is taken from RWAHLPPDAMTM. In addition to the special missing codes employed by RWAHLPPDAMT and RWAHLPPDAMTM, SWAHLPPDAMT and SWAHLPPDAMTM employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Only in the AHEAD cohort in Wave 2, the respondent is not asked these questions if their helper helps less than once per week. In this wave, RWAHLPPDN, RWAHLPPDIN, and RWAHLPPDAMT are assigned special missing .w in Wave 2 if the respondent is not asked these questions because their helper helps less than once per week.

Respondents are asked who helps them with ADLs starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWAHLPPDN, RWAHLPPDIN, RWAHLPPDAMT, and RWAHLPPDAMTM are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RWAHLPPDN, RWAHLPPDIN, RWAHLPPDAMT, and RWAHLPPDAMTM are assigned special missing .q in Wave 2 because they were not asked this question.

In all available waves, the respondent is not asked these questions if their spouse is their only helper, and these variables are assigned special missing .s. The respondent is also not asked these questions if their only helper is an employee of an institution starting in Wave 6, in which case, these helpers are added to the count of paid helpers in RWAHLPPDN, are assigned special missing .e in RWAHLPPDIN and RWAHLPPDAMT, and add to the count of missing values in RWAHLPPDAMTM.

## HRS Variables Used:

### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed

R12DRESSA r12dressa:w12 r any diff-dressing  
R12EATA r12eata:w12 r any diff-eating  
R12TOILTA r12toilta:w12 r any diff-using the toilet  
R12WALKRA r12walkra:w12 r any diff-walk across room  
R13BATHA r13batha:w13 r any diff-bathing, shower  
R13BEDA r13beda:w13 r any diff-get in/out bed  
R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5TOILTA r5toilta:w5 r any diff-using the toilet  
R5WALKRA r5walkra:w5 r any diff-walk across room  
R6BATHA r6batha:w6 r any diff-bathing, shower  
R6BEDA r6beda:w6 r any diff-get in/out bed  
R6DRESSA r6dressa:w6 r any diff-dressing  
R6EATA r6eata:w6 r any diff-eating  
R6TOILTA r6toilta:w6 r any diff-using the toilet  
R6WALKRA r6walkra:w6 r any diff-walk across room  
R7BATHA r7batha:w7 r any diff-bathing, shower  
R7BEDA r7beda:w7 r any diff-get in/out bed  
R7DRESSA r7dressa:w7 r any diff-dressing  
R7EATA r7eata:w7 r any diff-eating  
R7TOILTA r7toilta:w7 r any diff-using the toilet  
R7WALKRA r7walkra:w7 r any diff-walk across room  
R8BATHA r8batha:w8 r any diff-bathing, shower  
R8BEDA r8beda:w8 r any diff-get in/out bed  
R8DRESSA r8dressa:w8 r any diff-dressing  
R8EATA r8eata:w8 r any diff-eating  
R8TOILTA r8toilta:w8 r any diff-using the toilet  
R8WALKRA r8walkra:w8 r any diff-walk across room  
R9BATHA r9batha:w9 r any diff-bathing, shower  
R9BEDA r9beda:w9 r any diff-get in/out bed  
R9DRESSA r9dressa:w9 r any diff-dressing  
R9EATA r9eata:w9 r any diff-eating  
R9TOILTA r9toilta:w9 r any diff-using the toilet

R9WALKRA r9walkra:w9 r any diff-walk across room

Wave 2 AHEAD:

B768 e33. adl walk help ever  
 B773 e33e. walk any difficulty  
 B775 e34. walk who helps  
 B779 e35. adl dress help ever  
 B781 e35b. dress any difficulty  
 B783 e36. dress who helps  
 B787 e37. adl bathe help ever  
 B789 e37b. bathe any difficulty  
 B791 e38. bathe who helps  
 B795 e39. adl eat get help ever  
 B797 e39b. eat difficulty  
 B799 e40. eat who helps  
 B803 e41. adl in/out bed help ever  
 B805 e42. in/out bed-who helps  
 B811 e43c. bed any difficulty  
 B814 e44. adl toilet help ever  
 B816 e44b. toilet any difficulty  
 B823 e45. toilet who helps

Wave 2 AHEAD Helper:

BRELATEP HELPER RELATION TO R  
 HN HELPER NUMBER  
 OPN OTHER PERSON NUMBER  
 OTHRHELP OTHER HELPER RELATION TO R  
 V992 E60. HELPER HOW OFTEN  
 V993 E61. HELPER HOURS PER DAY  
 V994 E62. HELPER PAID?  
 V995 E63. MEDICAID/INSUR PAY HELPER?  
 V996R HELPER: MONTHLY \$ PAID

Wave 2 AHEAD HHLIST:

OPN OTHER PERSON NUMBER  
 RELATE\_F RELATIONSHIP TO FEMALE R  
 RELATE\_M RELATIONSHIP TO MALE R

Wave 2 HRS:

WN\_INHH hrs w2: # in hhold (r1/r2 only)

Wave 3 AHEAD:

D1870 adlck.ckpt for skipping adl series  
 D1877 e72f.adl walk help  
 D1887 e73f.adl dress help  
 D1897 e74f.adl bathe help  
 D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7

Wave 3 AHEAD Helper:

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  
 D2147 E163.HELPER INS PAY  
 D2148 E164.HELPER \$ R PAY  
 D2149 E165.HELPER, PER  
 OPN OTHER PERSON NUMBER

Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
E1901 e72f.adl walk help  
E1911 e73f.adl dress help  
E1921 e74f.adl bathe help  
E1931 e75f.adl eat help  
E1944 e76f.adl bed help  
E1954 e77f.adl toilet help  
E1976 e83.who help-11  
E1990 e84.who help-2  
E1999 e85.who help-3  
E2003 e86.who help-4  
E2007 e87.who help-5  
E2011 e88.who help-6  
E2015 e89.who help-7

## Wave 3 HRS Helper:

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  
E2131 E163-1. HELPER INS PAY  
E2132 E164-1. HELPER \$ R PAY  
E2133 E165-1. HELPER, PER  
E2142 E158-2. HELPER-SP OFTEN  
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  
E2150 E163-2.HELPER-SP INS PAY  
E2151 E164-2.HELPER-SP \$ R PAY  
E2152 E165-2.HELPER-SP, PER  
OPN OTHER PERSON NUMBER

## Wave 4:

F2426 e73f.adl dress help  
F2431 e72.adl walk help  
F2447 e74f.adl bathe help  
F2457 e75f.adl eat help  
F2470 e76f.adl bed help  
F2480 e77f.adl toilet help  
F2502 e83.who help-11  
F2516 e84.who help-2  
F2525 e85.who help-3  
F2529 e86.who help-4  
F2533 e87.who help-5  
F2537 e88.who help-6  
F2541 e89.who help-7

## Wave 4 Helper:

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  
F2650 E163-1. HELPER INS PAY  
F2651 E164-1. HELPER \$ R PAY  
F2652 E165-1. HELPER, PER  
F2658 E158-2. HELPER OFTEN  
F2659 E158A-2.HELPER PER WEEK  
F2660 E158B-2.HELPER EVERY DAY  
F2662 E159-2. HELPER HOURS  
F2665 E162-2. HELPER PAID  
F2666 E163-2. HELPER INS PAY

F2667	E164-2. HELPER \$ R PAY
F2668	E165-2. HELPER, PER
Wave 5:	
G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4
G2831	e87.who help-5
G2835	e88.who help-6
G2839	e89.who help-7
Wave 5 Helper:	
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
G2958	E163-1. HELPER INS PAY
G2959	E164-1. HELPER \$ R PAY
G2960	E165-1. HELPER, PER
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
G2984	E163-2. HELPER INS PAY
G2985	E164-2. HELPER \$ R PAY
G2986	E165-2. HELPER, PER
OPN	OTHER PERSON NUMBER
Wave 6:	
HG013	chkpnt: count of hg001 through hg012
HG015	help w/dress
HG020	adl walk help
HG022	adl bathe help
HG024	adl eat help
HG029	adl bed help
HG031	adl toilet help
HG032_1	who helps most- adl- 1
HG032_2	who helps- adl- 2
HG032_3	who helps- adl- 3
HG032_4	who helps- adl- 4
HG032_5	who helps- adl- 5
HG032_6	who helps- adl- 6
HG032_7	who helps- adl- 7
Wave 6 Helper:	
HADLNDX	adl helper index
HG069	helper relationship
HG070	freq of help given- days in last month
HG071	freq of help given- days per week
HG072	did helper help every dy
HG073	#hrs of help
HG076	helper paid to help
HG077	does ins pay
HG078	amount r/sp/p paid helper
HG079	amount r/sp/p paid helper- per
Wave 7:	
JG013	chkpnt: count of jg001 through jg012

JG015	help w/dress
JG020	adl walk help
JG022	adl bathe help
JG024	adl eat help
JG029	adl bed help
JG031	adl toilet help
JG032_1	who helps most- adl- 1
JG032_2	who helps- adl- 2
JG032_3	who helps- adl- 3
JG032_4	who helps- adl- 4
JG032_5	who helps- adl- 5
JG032_6	who helps- adl- 6
JG032_7	who helps- adl- 7
Wave 7 Helper:	
JADLNDX	index connection to the adl table
JG069	helper relationship
JG070	freq of help given-days last month
JG071	# days helper helped
JG072	did helper help every dy
JG073	#hrs of help
JG076	helper given money to help
JG077	does ins pay
JG078	amt r/sp/p paid
JG079	amt r/sp/p paid helper
Wave 8:	
KG013	chkpnt: count of jg001 through jg012
KG015	help w/dress
KG020	adl walk help
KG022	adl bathe help
KG024	adl eat help
KG029	adl bed help
KG031	adl toilet help
KG032_1	who helps most- adl- 1
KG032_2	who helps- adl- 2
KG032_3	who helps- adl- 3
KG032_4	who helps- adl- 4
KG032_5	who helps- adl- 5
KG032_6	who helps- adl- 6
KG032_7	who helps- adl- 7
Wave 8 Helper:	
KADLNDX	index connection to the adl table
KG069	helper relationship
KG070	freq of help given-days last month
KG071	# days helper helped
KG072	did helper help every dy
KG073	#hrs of help
KG076	helper given money to help
KG077	does ins pay
KG078	amt r/sp/p paid
KG079	amt r/sp/p paid helper
Wave 9:	
LG013	chkpnt: count of lg001 through lg012
LG015	help w/dress
LG020	adl walk help
LG022	adl bathe help
LG024	adl eat help
LG029	adl bed help
LG031	adl toilet help
LG032_1	who helps most- adl- 1
LG032_2	who helps- adl- 2
LG032_3	who helps- adl- 3
LG032_4	who helps- adl- 4
LG032_5	who helps- adl- 5



LG032\_6            who helps- adl- 6  
LG032\_7            who helps- adl- 7

Wave 9 Helper:

LADLNDX            index connection to the adl table  
LG069              helper relationship  
LG070              freq of help given-days last month  
LG071              # days helper helped  
LG072              did helper help every day  
LG073              #hrs of help  
LG076              helper given money to help  
LG077              does ins pay  
LG078              amt r/sp/p paid  
LG079              amt r/sp/p paid helper - per

Wave 10:

MG013              chkpnt: count of mg001 through mg012  
MG015              help w/dress  
MG020              adl walk help  
MG022              adl bathe help  
MG024              adl eat help  
MG029              adl bed help  
MG031              adl toilet help  
MG032\_1            who helps most- adl- 1  
MG032\_2            who helps- adl- 2  
MG032\_3            who helps- adl- 3  
MG032\_4            who helps- adl- 4  
MG032\_5            who helps- adl- 5  
MG032\_6            who helps- adl- 6  
MG032\_7            who helps- adl- 7

Wave 10 Helper:

MADLNDX            index connection to the adl table  
MG069              helper relationship -1  
MG070              freq of help given -1  
MG071              # days helper helped -1  
MG072              did helper help every dy -1  
MG073              #hrs of help -1  
MG076              helper given money to help -1  
MG077              does ins pay -1  
MG078              amt r/sp/p paid -1  
MG079              amt r/sp/p paid helper -1

Wave 11:

NG013              chkpnt: count of ng001 through ng012  
NG015              help w/dress  
NG020              adl walk help  
NG022              adl bathe help  
NG024              adl eat help  
NG029              adl bed help  
NG031              adl toilet help  
NG032\_1            who helps most- adl- 1  
NG032\_2            who helps- adl- 2  
NG032\_3            who helps- adl- 3  
NG032\_4            who helps- adl- 4  
NG032\_5            who helps- adl- 5  
NG032\_6            who helps- adl- 6  
NG032\_7            who helps- adl- 7

Wave 11 Helper:

NADLNDX            index connection to the adl table  
NG069              helper relationship  
NG070              freq of help given  
NG071              # days helper helped  
NG072              did helper help every dy  
NG073              #hrs of help  
NG076              helper given money to help  
NG077              does ins pay

NG078 amt r/sp/p paid  
NG079 amt r/sp/p paid helper

Wave 12:

OG013 chkpnt: count of g001 through g012  
OG015 help w/dress  
OG020 adl walk help  
OG022 adl bathe help  
OG024 adl eat help  
OG029 adl bed help  
OG031 adl toilet help  
OG032\_1 who helps most- adl- 1  
OG032\_2 who helps- adl- 2  
OG032\_3 who helps- adl- 3  
OG032\_4 who helps- adl- 4  
OG032\_5 who helps- adl- 5  
OG032\_6 who helps- adl- 6  
OG032\_7 who helps- adl- 7

Wave 12 Helper:

OADLNDX index connection to the adl table  
OG069 helper relationship  
OG070 freq of help given  
OG071 # days helper helped  
OG072 did helper help every dy  
OG073 #hrs of help  
OG076 helper given money to help  
OG077 does ins pay  
OG078 amt r/sp/p paid  
OG079 amt r/sp/p paid helper

Wave 13:

PG013 chkpnt: count of g001 through g012  
PG015 help w/dress  
PG020 adl walk help  
PG022 adl bathe help  
PG024 adl eat help  
PG029 adl bed help  
PG031 adl toilet help  
PG032\_1 who helps most- adl- 1  
PG032\_2 who helps- adl- 2  
PG032\_3 who helps- adl- 3  
PG032\_4 who helps- adl- 4  
PG032\_5 who helps- adl- 5  
PG032\_6 who helps- adl- 6  
PG032\_7 who helps- adl- 7

Wave 13 Helper:

PADLNDX index connection to the adl table  
PG069 helper relationship  
PG070 freq of help given  
PG071 # days helper helped  
PG072 did helper help every dy  
PG073 #hrs of help  
PG076 helper given money to help  
PG077 does ins pay  
PG078 amt r/sp/p paid  
PG079 amt r/sp/p paid helper

Wave 14:

QG013 chkpnt: count of g001 through g012  
QG015 help w/dress  
QG020 adl walk help  
QG022 adl bathe help  
QG024 adl eat help  
QG029 adl bed help  
QG031 adl toilet help  
QG032\_1 who helps most- adl- 1

QG032\_2 who helps- adl- 2  
 QG032\_3 who helps- adl- 3  
 QG032\_4 who helps- adl- 4  
 QG032\_5 who helps- adl- 5  
 QG032\_6 who helps- adl- 6  
 QG032\_7 who helps- adl- 7

## Wave 14 Helper:

QADLNDX INDEX CONNECTION TO THE ADL TABLE  
 QG069 HELPER RELATIONSHIP  
 QG070 FREQ OF HELP GIVEN  
 QG071 # DAYS HELPER HELPED  
 QG072 DID HELPER HELP EVERY DY  
 QG073 #HRS OF HELP  
 QG076 HELPER GIVEN MONEY TO HELP  
 QG077 DOES INS PAY  
 QG078 AMT R/SP/P PAID  
 QG079 AMT R/SP/P PAID HELPER

## Wave 15:

RG013 chkpnt: count of g001 through g012  
 RG015 help w/dress  
 RG020 adl walk help  
 RG022 adl bathe help  
 RG024 adl eat help  
 RG029 adl bed help  
 RG031 adl toilet help  
 RG032\_1 who helps most- adl- 1  
 RG032\_2 who helps- adl- 2  
 RG032\_3 who helps- adl- 3  
 RG032\_4 who helps- adl- 4  
 RG032\_5 who helps- adl- 5  
 RG032\_6 who helps- adl- 6  
 RG032\_7 who helps- adl- 7

## Wave 15 Helper:

RADLNDX INDEX CONNECTION TO THE ADL TABLE  
 RG069 HELPER RELATIONSHIP  
 RG070 FREQ OF HELP GIVEN  
 RG071 # DAYS HELPER HELPED  
 RG072 DID HELPER HELP EVERY DY  
 RG073 #HRS OF HELP  
 RG076 HELPER GIVEN MONEY TO HELP  
 RG077 DOES INS PAY  
 RG078 AMT R/SP/P PAID  
 RG079 AMT R/SP/P PAID HELPER

<b>Instrumental Activities of Daily Living: Whether Receives Any Care</b>
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Wave	Variable	Label	Type
02	R2RICANY	r2ricany:w2 r receives any care for iadls	Categ
03	R3RICANY	r3ricany:w3 r receives any care for iadls	Categ
04	R4RICANY	r4ricany:w4 r receives any care for iadls	Categ
05	R5RICANY	r5ricany:w5 r receives any care for iadls	Categ
06	R6RICANY	r6ricany:w6 r receives any care for iadls	Categ
07	R7RICANY	r7ricany:w7 r receives any care for iadls	Categ
08	R8RICANY	r8ricany:w8 r receives any care for iadls	Categ
09	R9RICANY	r9ricany:w9 r receives any care for iadls	Categ
10	R10RICANY	r10ricany:w10 r receives any care for iadls	Categ
11	R11RICANY	r11ricany:w11 r receives any care for iadls	Categ
12	R12RICANY	r12ricany:w12 r receives any care for iadls	Categ
13	R13RICANY	r13ricany:w13 r receives any care for iadls	Categ
14	R14RICANY	r14ricany:w14 r receives any care for iadls	Categ
15	R15RICANY	r15ricany:w15 r receives any care for iadls	Categ
02	S2RICANY	s2ricany:w2 s receives any care for iadls	Categ
03	S3RICANY	s3ricany:w3 s receives any care for iadls	Categ
04	S4RICANY	s4ricany:w4 s receives any care for iadls	Categ
05	S5RICANY	s5ricany:w5 s receives any care for iadls	Categ
06	S6RICANY	s6ricany:w6 s receives any care for iadls	Categ
07	S7RICANY	s7ricany:w7 s receives any care for iadls	Categ
08	S8RICANY	s8ricany:w8 s receives any care for iadls	Categ
09	S9RICANY	s9ricany:w9 s receives any care for iadls	Categ
10	S10RICANY	s10ricany:w10 s receives any care for iadls	Categ
11	S11RICANY	s11ricany:w11 s receives any care for iadls	Categ
12	S12RICANY	s12ricany:w12 s receives any care for iadls	Categ
13	S13RICANY	s13ricany:w13 s receives any care for iadls	Categ
14	S14RICANY	s14ricany:w14 s receives any care for iadls	Categ
15	S15RICANY	s15ricany:w15 s receives any care for iadls	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RICANY	2232	1.00	0.00	1.00	1.00
R3RICANY	2763	0.82	0.38	0.00	1.00
R4RICANY	3158	0.82	0.39	0.00	1.00
R5RICANY	2882	0.82	0.39	0.00	1.00
R6RICANY	2836	0.83	0.37	0.00	1.00
R7RICANY	3065	0.82	0.39	0.00	1.00
R8RICANY	2967	0.82	0.38	0.00	1.00
R9RICANY	2789	0.81	0.39	0.00	1.00
R10RICANY	3773	0.78	0.41	0.00	1.00
R11RICANY	3503	0.80	0.40	0.00	1.00
R12RICANY	3414	0.78	0.41	0.00	1.00
R13RICANY	3583	0.77	0.42	0.00	1.00
R14RICANY	2881	0.76	0.43	0.00	1.00
R15RICANY	2482	0.78	0.41	0.00	1.00
S2RICANY	1070	1.00	0.00	1.00	1.00
S3RICANY	1303	0.81	0.39	0.00	1.00
S4RICANY	1515	0.81	0.39	0.00	1.00
S5RICANY	1335	0.81	0.39	0.00	1.00
S6RICANY	1249	0.82	0.38	0.00	1.00
S7RICANY	1415	0.82	0.39	0.00	1.00
S8RICANY	1366	0.81	0.39	0.00	1.00
S9RICANY	1216	0.79	0.41	0.00	1.00

S10RICANY	1726	0.79	0.40	0.00	1.00
S11RICANY	1597	0.80	0.40	0.00	1.00
S12RICANY	1495	0.80	0.40	0.00	1.00
S13RICANY	1498	0.81	0.39	0.00	1.00
S14RICANY	1205	0.79	0.40	0.00	1.00
S15RICANY	1011	0.80	0.40	0.00	1.00

### Categorical Variable Codes

Value-----	R2RICANY	R3RICANY	R4RICANY	R5RICANY
.d:DK	27			
.m:Missing	1	40	34	29
.q:not asked this wave	11595			
.x:no difficulties	5962	15188	18192	16667
0.no		494	578	522
1.yes	2232	2269	2580	2360

Value-----	R6RICANY	R7RICANY	R8RICANY	R9RICANY	R10RICANY
.d:DK		1			
.m:Missing	11	16	9	13	139
.x:no difficulties	15318	17047	15493	14415	18122
0.no	476	566	531	537	828
1.yes	2360	2499	2436	2252	2945

Value-----	R11RICANY	R12RICANY	R13RICANY	R14RICANY	R15RICANY
.m:Missing	19	17	38	32	77
.x:no difficulties	17032	15316	17291	14233	13164
0.no	713	740	832	689	543
1.yes	2790	2674	2751	2192	1939

Value-----	S2RICANY	S3RICANY	S4RICANY	S5RICANY
.d:DK	7			
.m:Missing	1	13	7	8
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3272	10600	12456	11387
0.no		248	291	250
1.yes	1070	1055	1224	1085

Value-----	S6RICANY	S7RICANY	S8RICANY	S9RICANY	S10RICANY
.m:Missing	3	2	2	4	83
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10380	11551	10360	9420	11699
0.no	219	257	259	252	355
1.yes	1030	1158	1107	964	1371

Value-----	S11RICANY	S12RICANY	S13RICANY	S14RICANY	S15RICANY
.m:Missing	5	4	8	7	11
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10874	9513	10272	8146	7444
0.no	318	295	284	248	198
1.yes	1279	1200	1214	957	813

### How Constructed:

RwRICANY indicates whether the respondent receives any care for difficulties with instrumental activities of daily living (IADL). If the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. RwRICANY is assigned a value of 0 if the respondent has difficulty with at least one IADL but receives no help with the activity. RwRICANY is assigned a value of 1 if the respondent has difficulty with at least one IADL and someone helps with at least one of the activities. RwRICANY is assigned special missing .x if the respondent has no difficulty with any IADLs. Because the questions asked to the AHEAD respondents in Wave 2 are different and not comparable to those in later waves, RwRICANY cannot be assigned a value of 0 in Wave 2. These questions are not asked to HRS Wave 2 respondents, and so are assigned special missing .q in Wave 2. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRICANY is assigned a blank missing (.) if the respondent did not participate in the

current wave. The information used to derive this variable is taken from the respondent-level HRS helper files.

SwRICANY indicates whether the respondent's current wave's spouse receives any care for difficulties with IADLs, and its values are taken from RwRICANY. In addition to the special missing codes employed by RwRICANY, SwRICANY employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

These questions are not asked at all in Wave 1 and for the HRS cohort in Wave 2.

Questions about help with IADL activities are asked differently in the AHEAD cohort in Wave 2 than in other waves. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, the respondent is first asked whether they have difficulty with an IADL, and if so, they are asked whether someone helps them with that activity. The coding for the AHEAD cohort in Wave 2 has been adjusted to make the measures as comparable as possible to other waves, but because of the difference in question wording for the AHEAD cohort in Wave 2, RwRICANY cannot be assigned a value of 0 in this wave.

## HRS Variables Used:

RAND HRS:

R10MEALSA	r10mealsa:w10	r any diff-prepare hot meal
R10MEDSA	r10medsa:w10	r any diff-take medications
R10MONEYA	r10moneya:w10	r any diff-managing money
R10PHONEA	r10phonea:w10	r any diff-use telephone
R10SHOPA	r10shopa:w10	r any diff-shop for grocery
R11MEALSA	r11mealsa:w11	r any diff-prepare hot meal
R11MEDSA	r11medsa:w11	r any diff-take medications
R11MONEYA	r11moneya:w11	r any diff-managing money
R11PHONEA	r11phonea:w11	r any diff-use telephone
R11SHOPA	r11shopa:w11	r any diff-shop for grocery
R12MEALSA	r12mealsa:w12	r any diff-prepare hot meal
R12MEDSA	r12medsa:w12	r any diff-take medications
R12MONEYA	r12moneya:w12	r any diff-managing money
R12PHONEA	r12phonea:w12	r any diff-use telephone
R12SHOPA	r12shopa:w12	r any diff-shop for grocery
R13MEALSA	r13mealsa:w13	r any diff-prepare hot meal
R13MEDSA	r13medsa:w13	r any diff-take medications
R13MONEYA	r13moneya:w13	r any diff-managing money
R13PHONEA	r13phonea:w13	r any diff-use telephone
R13SHOPA	r13shopa:w13	r any diff-shop for grocery
R14MEALSA	r14mealsa:w14	r any diff-prepare hot meal
R14MEDSA	r14medsa:w14	r any diff-take medications
R14MONEYA	r14moneya:w14	r any diff-managing money
R14PHONEA	r14phonea:w14	r any diff-use telephone
R14SHOPA	r14shopa:w14	r any diff-shop for grocery
R15MEALSA	r15mealsa:w15	r any diff-prepare hot meal
R15MEDSA	r15medsa:w15	r any diff-take medications
R15MONEYA	r15moneya:w15	r any diff-managing money
R15PHONEA	r15phonea:w15	r any diff-use telephone
R15SHOPA	r15shopa:w15	r any diff-shop for grocery
R3MEALSA	r3mealsa:w3	r any diff-prepare hot meal
R3MEDSA	r3medsa:w3	r any diff-take medications
R3MONEYA	r3moneya:w3	r any diff-managing money
R3PHONEA	r3phonea:w3	r any diff-use telephone
R3SHOPA	r3shopa:w3	r any diff-shop for grocery
R4MEALSA	r4mealsa:w4	r any diff-prepare hot meal

R4MEDSA	r4medsa:w4 r any diff-take medications
R4MONEYA	r4moneya:w4 r any diff-managing money
R4PHONEA	r4phonea:w4 r any diff-use telephone
R4SHOPA	r4shopa:w4 r any diff-shop for grocery
R5MEALSA	r5mealsa:w5 r any diff-prepare hot meal
R5MEDSA	r5medsa:w5 r any diff-take medications
R5MONEYA	r5moneya:w5 r any diff-managing money
R5PHONEA	r5phonea:w5 r any diff-use telephone
R5SHOPA	r5shopa:w5 r any diff-shop for grocery
R6MEALSA	r6mealsa:w6 r any diff-prepare hot meal
R6MEDSA	r6medsa:w6 r any diff-take medications
R6MONEYA	r6moneya:w6 r any diff-managing money
R6PHONEA	r6phonea:w6 r any diff-use telephone
R6SHOPA	r6shopa:w6 r any diff-shop for grocery
R7MEALSA	r7mealsa:w7 r any diff-prepare hot meal
R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery

## Wave 2 AHEAD:

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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps

## Wave 2 HRS:

WN_INHH	hrs w2: # in hhold (r1/r2 only)
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## Wave 3 AHEAD:

D2024	e95c.iadl meals help
D2029	e96c.iadl groc help
D2034	e97c.iadl phone help
D2039	e98c.iadl med help
D2041	e99.iadls-who help,1
D2050	e100.iadls-who help,2
D2055	e101.iadls-who help,3
D2061	e102.iadls-who help,4
D2067	e103.iadls-who help,5
D2073	e104.iadls-who help,6
D2102	e106c.iadl money who help,1
D2107	e107. money help-1
D2115	e107c.iadl money who help,2
D2121	e108. money helper-2

## Wave 3 HRS:

E2039	e95c.iadl meals help
E2044	e96c.iadl groc help
E2049	e97c.iadl phone help
E2054	e98c.iadl med help
E2056	e99.iadls-who help,1
E2065	e100.iadls-who help,2
E2070	e101.iadls-who help,3

E2076	e102.iadls-who help,4
E2082	e103.iadls-who help,5
E2088	e104.iadls-who help,6
E2096	e106c.iadl money who help,1
E2101	e107. money help-1
E2105	e107c.iadl money who help,2
E2109	e108. money helper-2
Wave 4:	
F2565	e95c.iadl meals help
F2570	e96c.iadl groc help
F2575	e97c.iadl phone help
F2580	e98c.iadl med help
F2582	e99.iadls-who help,1
F2591	e100.iadls-who help,2
F2596	e101.iadls-who help,3
F2602	e102.iadls-who help,4
F2608	e103.iadls-who help,5
F2614	e104.iadls-who help,6
F2620	e106c.iadl money who help,1
F2621	e107. money help-1
F2624	e107c.iadl money who help,2
F2625	e108. money helper-2
F517	cs11.r in nursing home
Wave 5:	
G2863	e95c.iadl meals help
G2868	e96c.iadl groc help
G2873	e97c.iadl phone help
G2878	e98c.iadl med help
G2880	e99.iadls-who help-1
G2889	e100.iadls-who help-2
G2894	e101.iadls-who help-3
G2900	e102.iadls-who help-4
G2906	e103.iadls-who help-5
G2912	e104.iadls-who help-6
G2918	e106c.iadl money who help-1
G2919	e107. money help-1
G2922	e107c.iadl money who help-2
G2923	e108. money helper-2
G558	cs11.r in nursing home
Wave 6:	
HA028	r in nursing home
HG043	iadl meal preparation help
HG046	iadl groc shop help
HG049	iadl making phone calls help
HG053	iadl taking medications help
HG054_1	iadls- who helps most-1
HG054_2	iadls- who helps- 2
HG054_3	iadls- who helps- 3
HG054_4	iadls- who helps- 4
HG054_5	iadls- who helps- 5
HG054_6	iadls- who helps- 6
HG061	iadl managing money help
HG062_1	who helps manage money-1
HG062_2	who helps manage money-2
Wave 7:	
JA028	r in nursing home
JG043	iadl meal preparation help
JG046	iadl groc shop help
JG049	iadl making phone calls help
JG053	iadl taking medications help
JG054_1	iadls- who helps most-1
JG054_2	iadls- who helps- 2
JG054_3	iadls- who helps- 3



JG054\_4 iadls- who helps- 4  
JG054\_5 iadls- who helps- 5  
JG054\_6 iadls- who helps- 6  
JG061 iadl managing money help  
JG062\_1 who helps manage money-1  
JG062\_2 who helps manage money-2

Wave 8:

KA028 r in nursing home  
KG043 iadl meal preparation help  
KG046 iadl groc shop help  
KG049 iadl making phone calls help  
KG053 iadl taking medications help  
KG054\_1 iadls- who helps most-1  
KG054\_2 iadls- who helps- 2  
KG054\_3 iadls- who helps- 3  
KG054\_4 iadls- who helps- 4  
KG054\_5 iadls- who helps- 5  
KG054\_6 iadls- who helps- 6  
KG061 iadl managing money help  
KG062\_1 who helps manage money-1  
KG062\_2 who helps manage money-2

Wave 9:

LA028 r in nursing home  
LG043 iadl meal preparation help  
LG046 iadl groc shop help  
LG049 iadl making phone calls help  
LG053 iadl taking medications help  
LG054\_1 iadls- who helps most-1  
LG054\_2 iadls- who helps- 2  
LG054\_3 iadls- who helps- 3  
LG054\_4 iadls- who helps- 4  
LG054\_5 iadls- who helps- 5  
LG054\_6 iadls- who helps- 6  
LG061 iadl managing money help  
LG062\_1 who helps manage money-1  
LG062\_2 who helps manage money-2

Wave 10:

MA028 r in nursing home  
MG043 iadl meal preparation help  
MG046 iadl groc shop help  
MG049 iadl making phone calls help  
MG053 iadl taking medications help  
MG054\_1 iadls- who helps -1  
MG054\_2 iadls- who helps- 2  
MG054\_3 iadls- who helps- 3  
MG054\_4 iadls- who helps- 4  
MG054\_5 iadls- who helps- 5  
MG054\_6 iadls- who helps- 6  
MG061 iadl managing money help  
MG062\_1 who helps manage money-1  
MG062\_2 who helps manage money-2

Wave 11:

NA028 r in nursing home  
NG043 iadl meal preparation help  
NG046 iadl groc shop help  
NG049 iadl making phone calls help  
NG053 iadl taking medications help  
NG054\_1 iadls- who helps -1  
NG054\_2 iadls- who helps- 2  
NG054\_3 iadls- who helps- 3  
NG054\_4 iadls- who helps- 4  
NG054\_5 iadls- who helps- 5  
NG054\_6 iadls- who helps- 6

NG061 iadl managing money help  
NG062\_1 who helps manage money-1  
NG062\_2 who helps manage money-2

Wave 12:

OA028 r in nursing home  
OG043 iadl meal preparation help  
OG046 iadl groc shop help  
OG049 iadl making phone calls help  
OG053 iadl taking medications help  
OG054\_1 iadls- who helps -1  
OG054\_2 iadls- who helps- 2  
OG054\_3 iadls- who helps- 3  
OG054\_4 iadls- who helps- 4  
OG054\_5 iadls- who helps- 5  
OG054\_6 iadls- who helps- 6  
OG061 iadl managing money help  
OG062\_1 who helps manage money-1  
OG062\_2 who helps manage money-2

Wave 13:

PA028 r in nursing home  
PG043 iadl meal preparation help  
PG046 iadl groc shop help  
PG049 iadl making phone calls help  
PG053 iadl taking medications help  
PG054\_1 iadls- who helps -1  
PG054\_2 iadls- who helps- 2  
PG054\_3 iadls- who helps- 3  
PG054\_4 iadls- who helps- 4  
PG054\_5 iadls- who helps- 5  
PG054\_6 iadls- who helps- 6  
PG061 iadl managing money help  
PG062\_1 who helps manage money-1  
PG062\_2 who helps manage money-2

Wave 14:

QA028 r in nursing home  
QG043 iadl meal preparation help  
QG046 iadl groc shop help  
QG049 iadl making phone calls help  
QG053 iadl taking medications help  
QG054\_1 iadls- who helps -1  
QG054\_2 iadls- who helps- 2  
QG054\_3 iadls- who helps- 3  
QG054\_4 iadls- who helps- 4  
QG054\_5 iadls- who helps- 5  
QG054\_6 iadls- who helps- 6  
QG061 iadl managing money help  
QG062\_1 who helps manage money-1  
QG062\_2 who helps manage money-2

Wave 15:

RA028 r in nursing home  
RG043 iadl meal preparation help  
RG046 iadl groc shop help  
RG049 iadl making phone calls help  
RG053 iadl taking medications help  
RG054\_1 iadls- who helps -1  
RG054\_2 iadls- who helps- 2  
RG054\_3 iadls- who helps- 3  
RG054\_4 iadls- who helps- 4  
RG054\_5 iadls- who helps- 5  
RG054\_6 iadls- who helps- 6  
RG061 iadl managing money help  
RG062\_1 who helps manage money-1  
RG062\_2 who helps manage money-2

<b>Instrumental Activities of Daily Living: Whether Receives Any Informal Care</b>
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Wave	Variable	Label	Type
02	R2RICAANY	r2ricaany:w2 r receives any informal care for iadls	Categ
03	R3RICAANY	r3ricaany:w3 r receives any informal care for iadls	Categ
04	R4RICAANY	r4ricaany:w4 r receives any informal care for iadls	Categ
05	R5RICAANY	r5ricaany:w5 r receives any informal care for iadls	Categ
06	R6RICAANY	r6ricaany:w6 r receives any informal care for iadls	Categ
07	R7RICAANY	r7ricaany:w7 r receives any informal care for iadls	Categ
08	R8RICAANY	r8ricaany:w8 r receives any informal care for iadls	Categ
09	R9RICAANY	r9ricaany:w9 r receives any informal care for iadls	Categ
10	R10RICAANY	r10ricaany:w10 r receives any informal care for iadls	Categ
11	R11RICAANY	r11ricaany:w11 r receives any informal care for iadls	Categ
12	R12RICAANY	r12ricaany:w12 r receives any informal care for iadls	Categ
13	R13RICAANY	r13ricaany:w13 r receives any informal care for iadls	Categ
14	R14RICAANY	r14ricaany:w14 r receives any informal care for iadls	Categ
15	R15RICAANY	r15ricaany:w15 r receives any informal care for iadls	Categ
02	S2RICAANY	s2ricaany:w2 s receives any informal care for iadls	Categ
03	S3RICAANY	s3ricaany:w3 s receives any informal care for iadls	Categ
04	S4RICAANY	s4ricaany:w4 s receives any informal care for iadls	Categ
05	S5RICAANY	s5ricaany:w5 s receives any informal care for iadls	Categ
06	S6RICAANY	s6ricaany:w6 s receives any informal care for iadls	Categ
07	S7RICAANY	s7ricaany:w7 s receives any informal care for iadls	Categ
08	S8RICAANY	s8ricaany:w8 s receives any informal care for iadls	Categ
09	S9RICAANY	s9ricaany:w9 s receives any informal care for iadls	Categ
10	S10RICAANY	s10ricaany:w10 s receives any informal care for iadls	Categ
11	S11RICAANY	s11ricaany:w11 s receives any informal care for iadls	Categ
12	S12RICAANY	s12ricaany:w12 s receives any informal care for iadls	Categ
13	S13RICAANY	s13ricaany:w13 s receives any informal care for iadls	Categ
14	S14RICAANY	s14ricaany:w14 s receives any informal care for iadls	Categ
15	S15RICAANY	s15ricaany:w15 s receives any informal care for iadls	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RICAANY	2232	0.91	0.29	0.00	1.00
R3RICAANY	2853	0.52	0.50	0.00	1.00
R4RICAANY	3156	0.78	0.41	0.00	1.00
R5RICAANY	2878	0.78	0.41	0.00	1.00
R6RICAANY	2830	0.80	0.40	0.00	1.00
R7RICAANY	3062	0.78	0.41	0.00	1.00
R8RICAANY	2967	0.79	0.41	0.00	1.00
R9RICAANY	2786	0.77	0.42	0.00	1.00
R10RICAANY	3765	0.76	0.43	0.00	1.00
R11RICAANY	3495	0.76	0.43	0.00	1.00
R12RICAANY	3393	0.75	0.43	0.00	1.00
R13RICAANY	3570	0.74	0.44	0.00	1.00
R14RICAANY	2870	0.72	0.45	0.00	1.00
R15RICAANY	2474	0.75	0.43	0.00	1.00
S2RICAANY	1070	0.98	0.15	0.00	1.00
S3RICAANY	1344	0.71	0.45	0.00	1.00
S4RICAANY	1515	0.80	0.40	0.00	1.00
S5RICAANY	1335	0.80	0.40	0.00	1.00
S6RICAANY	1247	0.81	0.39	0.00	1.00
S7RICAANY	1413	0.81	0.39	0.00	1.00
S8RICAANY	1366	0.80	0.40	0.00	1.00
S9RICAANY	1216	0.79	0.41	0.00	1.00

S10RICAANY	1726	0.79	0.41	0.00	1.00
S11RICAANY	1595	0.79	0.41	0.00	1.00
S12RICAANY	1491	0.80	0.40	0.00	1.00
S13RICAANY	1493	0.80	0.40	0.00	1.00
S14RICAANY	1201	0.78	0.42	0.00	1.00
S15RICAANY	1008	0.79	0.41	0.00	1.00

### Categorical Variable Codes

Value-----	R2RICAANY	R3RICAANY	R4RICAANY	R5RICAANY
.d:DK	27	5	1	3
.m:Missing	1	46	34	29
.q:not asked this wave	11595			
.r:Refuse			1	1
.x:no difficulties	5962	15087	18192	16667
0.no	205	1368	680	620
1.yes	2027	1485	2476	2258

Value-----	R6RICAANY	R7RICAANY	R8RICAANY	R9RICAANY	R10RICAANY
.d:DK	3	5		2	6
.m:Missing	11	14	9	13	139
.r:Refuse	3	1		1	4
.x:no difficulties	15318	17047	15493	14415	18120
0.no	565	664	621	629	905
1.yes	2265	2398	2346	2157	2860

Value-----	R11RICAANY	R12RICAANY	R13RICAANY	R14RICAANY	R15RICAANY
.d:DK	4	18	12	7	6
.m:Missing	19	17	38	33	78
.r:Refuse	4	3	1	3	1
.x:no difficulties	17032	15316	17291	14233	13164
0.no	831	835	938	793	624
1.yes	2664	2558	2632	2077	1850

Value-----	S2RICAANY	S3RICAANY	S4RICAANY	S5RICAANY
.d:DK	7	2		
.m:Missing	1	16	7	8
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3272	10554	12456	11387
0.no	26	384	310	264
1.yes	1044	960	1205	1071

Value-----	S6RICAANY	S7RICAANY	S8RICAANY	S9RICAANY	S10RICAANY
.d:DK	1	3			
.m:Missing	3	1	2	4	83
.r:Refuse	1				2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10380	11551	10360	9420	11697
0.no	233	269	268	261	366
1.yes	1014	1144	1098	955	1360

Value-----	S11RICAANY	S12RICAANY	S13RICAANY	S14RICAANY	S15RICAANY
.d:DK	1	4	5	1	1
.m:Missing	5	4	8	8	12
.r:Refuse	1			2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10874	9513	10272	8146	7444
0.no	336	304	295	268	209
1.yes	1259	1187	1198	933	799

### How Constructed:

RwRICAANY indicates whether the respondent receives any informal care for difficulties with instrumental activities of daily living (IADL). The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls,

and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The information used to derive this variable is taken from the respondent-level and helper-level HRS helper files.

For the AHEAD cohort in Wave 2, the following relationships are considered to provide informal care: spouse, child, spouse of child, grandchild, spouse of grandchild, other relative, and other individual. For the AHEAD cohort in Wave 3 and the HRS cohorts in Waves 3 through 5, the following relationships are considered to provide informal care: spouse, child, child-in-law, unlisted child or child-in-law, step/partner child, grandchild, sibling, sibling of spouse, parent or parent-in-law, other relative, and other individual. In Waves 6 and onward, the following relationships are considered to provide informal care: spouse/partner, son, stepson, spouse/partner of daughter, daughter, stepdaughter, spouse/partner of son, grandchild, father, father of spouse/partner, mother, mother of spouse/partner, parents, brother, brother of spouse/partner, sister, sister of spouse/partner, other relative, other individual, former spouse, unlisted child or child-in-law, former step-child, former child-in-law, relationship unknown, and spouse/partner of grandchild.

RwRICAANY is assigned a value of 0 if the respondent has difficulty with at least one IADL but receives no help with the activity from an informal caregiver or does not receive any help at all. RwRICAANY is assigned a value of 1 if the respondent has difficulty with at least one IADL and an informal caregiver helps with at least one of the activities. RwRICAANY is assigned special missing .x if the respondent has no difficulty with any IADLs. These questions are not asked for the HRS cohort in Wave 2, so RwRICAANY is assigned special missing .q in this wave. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRICAANY is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRICAANY indicates whether the respondent's current wave's spouse receives any informal care for difficulties with IADLs, and its values are taken from RwRICAANY. In addition to the special missing codes employed by RwRICAANY, SwRICAANY employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

These questions are not asked at all in Wave 1 and for the HRS cohort in Wave 2.

In the AHEAD cohort in Wave 2, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help.

In Waves 3 and onward, if the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money.

The options for type of relationship change slightly between the AHEAD cohort in Wave 2, Waves 3 through 5, and Waves 6 and onward, but these categories have been combined to keep the definitions as similar as possible between waves for RwRICAANY.

## HRS Variables Used:

```
RAND HRS:
R10MEALSA      r10mealsa:w10 r any diff-prepare hot meal
R10MEDSA       r10medsa:w10 r any diff-take medications
R10MONEYA      r10moneya:w10 r any diff-managing money
R10PHONEA      r10phonea:w10 r any diff-use telephone
R10SHOPA       r10shopa:w10 r any diff-shop for grocery
```

R11MEALSA	r11mealsa:w11 r any diff-prepare hot meal
R11MEDSA	r11medsa:w11 r any diff-take medications
R11MONEYA	r11moneya:w11 r any diff-managing money
R11PHONEA	r11phonea:w11 r any diff-use telephone
R11SHOPA	r11shopa:w11 r any diff-shop for grocery
R12MEALSA	r12mealsa:w12 r any diff-prepare hot meal
R12MEDSA	r12medsa:w12 r any diff-take medications
R12MONEYA	r12moneya:w12 r any diff-managing money
R12PHONEA	r12phonea:w12 r any diff-use telephone
R12SHOPA	r12shopa:w12 r any diff-shop for grocery
R13MEALSA	r13mealsa:w13 r any diff-prepare hot meal
R13MEDSA	r13medsa:w13 r any diff-take medications
R13MONEYA	r13moneya:w13 r any diff-managing money
R13PHONEA	r13phonea:w13 r any diff-use telephone
R13SHOPA	r13shopa:w13 r any diff-shop for grocery
R14MEALSA	r14mealsa:w14 r any diff-prepare hot meal
R14MEDSA	r14medsa:w14 r any diff-take medications
R14MONEYA	r14moneya:w14 r any diff-managing money
R14PHONEA	r14phonea:w14 r any diff-use telephone
R14SHOPA	r14shopa:w14 r any diff-shop for grocery
R15MEALSA	r15mealsa:w15 r any diff-prepare hot meal
R15MEDSA	r15medsa:w15 r any diff-take medications
R15MONEYA	r15moneya:w15 r any diff-managing money
R15PHONEA	r15phonea:w15 r any diff-use telephone
R15SHOPA	r15shopa:w15 r any diff-shop for grocery
R3MEALSA	r3mealsa:w3 r any diff-prepare hot meal
R3MEDSA	r3medsa:w3 r any diff-take medications
R3MONEYA	r3moneya:w3 r any diff-managing money
R3PHONEA	r3phonea:w3 r any diff-use telephone
R3SHOPA	r3shopa:w3 r any diff-shop for grocery
R4MEALSA	r4mealsa:w4 r any diff-prepare hot meal
R4MEDSA	r4medsa:w4 r any diff-take medications
R4MONEYA	r4moneya:w4 r any diff-managing money
R4PHONEA	r4phonea:w4 r any diff-use telephone
R4SHOPA	r4shopa:w4 r any diff-shop for grocery
R5MEALSA	r5mealsa:w5 r any diff-prepare hot meal
R5MEDSA	r5medsa:w5 r any diff-take medications
R5MONEYA	r5moneya:w5 r any diff-managing money
R5PHONEA	r5phonea:w5 r any diff-use telephone
R5SHOPA	r5shopa:w5 r any diff-shop for grocery
R6MEALSA	r6mealsa:w6 r any diff-prepare hot meal
R6MEDSA	r6medsa:w6 r any diff-take medications
R6MONEYA	r6moneya:w6 r any diff-managing money
R6PHONEA	r6phonea:w6 r any diff-use telephone
R6SHOPA	r6shopa:w6 r any diff-shop for grocery
R7MEALSA	r7mealsa:w7 r any diff-prepare hot meal
R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
Wave 2 AHEAD:	
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  
 B913 e54. iadls-who helps most often  
 B924 e55a.iadls who other helper  
 B948 e57. iadl money  
 B950 e58. money who helps

Wave 2 AHEAD Helper:

BRELATEP HELPER RELATION TO R  
 HN HELPER NUMBER  
 OPN OTHER PERSON NUMBER  
 OTHRHELP OTHER HELPER RELATION TO R

Wave 2 AHEAD HHLIST:

OPN OTHER PERSON NUMBER  
 RELATE\_F RELATIONSHIP TO FEMALE R  
 RELATE\_M RELATIONSHIP TO MALE R

Wave 2 HRS:

WN\_INHH hrs w2: # in hhold (r1/r2 only)

Wave 3 AHEAD:

D2024 e95c.iadl meals help  
 D2029 e96c.iadl groc help  
 D2034 e97c.iadl phone help  
 D2039 e98c.iadl med help  
 D2041 e99.iadls-who help,1  
 D2050 e100.iadls-who help,2  
 D2055 e101.iadls-who help,3  
 D2061 e102.iadls-who help,4  
 D2067 e103.iadls-who help,5  
 D2073 e104.iadls-who help,6  
 D2102 e106c.iadl money who help,1  
 D2107 e107. money help-1  
 D2115 e107c.iadl money who help,2  
 D2121 e108. money helper-2

Wave 3 AHEAD Helper:

D2135A HELPER RELATIONSHIP COMBINED SOURCE  
 OPN OTHER PERSON NUMBER

Wave 3 HRS:

E2039 e95c.iadl meals help  
 E2044 e96c.iadl groc help  
 E2049 e97c.iadl phone help  
 E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

Wave 3 HRS Helper:

E2120A HELPER RELATIONSHIP COMBINED SOURCE  
 OPN OTHER PERSON NUMBER

Wave 4:

F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help

F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help  
 F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4  
 F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6  
 F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

F2639A HELPER RELATIONSHIP COMBINED SOURCE  
 OPN OTHER PERSON NUMBER

## Wave 5:

G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help  
 G2873 e97c.iadl phone help  
 G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2  
 G558 cs11.r in nursing home

## Wave 5 Helper:

G2947A HELPER RELATIONSHIP COMBINED SOURCE  
 OPN OTHER PERSON NUMBER

## Wave 6:

HA028 r in nursing home  
 HG043 iadl meal preparation help  
 HG046 iadl groc shop help  
 HG049 iadl making phone calls help  
 HG053 iadl taking medications help  
 HG054\_1 iadls- who helps most-1  
 HG054\_2 iadls- who helps- 2  
 HG054\_3 iadls- who helps- 3  
 HG054\_4 iadls- who helps- 4  
 HG054\_5 iadls- who helps- 5  
 HG054\_6 iadls- who helps- 6  
 HG061 iadl managing money help  
 HG062\_1 who helps manage money-1  
 HG062\_2 who helps manage money-2

## Wave 6 Helper:

HG069 helper relationship  
 HIADLNDX iadl helper index  
 HMNYNDX money helper index

## Wave 7:

JA028 r in nursing home  
 JG043 iadl meal preparation help  
 JG046 iadl groc shop help  
 JG049 iadl making phone calls help  
 JG053 iadl taking medications help  
 JG054\_1 iadls- who helps most-1  
 JG054\_2 iadls- who helps- 2  
 JG054\_3 iadls- who helps- 3



JG054\_4 iadls- who helps- 4  
JG054\_5 iadls- who helps- 5  
JG054\_6 iadls- who helps- 6  
JG061 iadl managing money help  
JG062\_1 who helps manage money-1  
JG062\_2 who helps manage money-2

Wave 7 Helper:  
JG069 helper relationship  
JIADLNDX index connection to the iadl table  
JMNYNDX index connection to the money table

Wave 8:  
KA028 r in nursing home  
KG043 iadl meal preparation help  
KG046 iadl groc shop help  
KG049 iadl making phone calls help  
KG053 iadl taking medications help  
KG054\_1 iadls- who helps most-1  
KG054\_2 iadls- who helps- 2  
KG054\_3 iadls- who helps- 3  
KG054\_4 iadls- who helps- 4  
KG054\_5 iadls- who helps- 5  
KG054\_6 iadls- who helps- 6  
KG061 iadl managing money help  
KG062\_1 who helps manage money-1  
KG062\_2 who helps manage money-2

Wave 8 Helper:  
KG069 helper relationship  
KIADLNDX index connection to the iadl table  
KMNYNDX index connection to the money table

Wave 9:  
LA028 r in nursing home  
LG043 iadl meal preparation help  
LG046 iadl groc shop help  
LG049 iadl making phone calls help  
LG053 iadl taking medications help  
LG054\_1 iadls- who helps most-1  
LG054\_2 iadls- who helps- 2  
LG054\_3 iadls- who helps- 3  
LG054\_4 iadls- who helps- 4  
LG054\_5 iadls- who helps- 5  
LG054\_6 iadls- who helps- 6  
LG061 iadl managing money help  
LG062\_1 who helps manage money-1  
LG062\_2 who helps manage money-2

Wave 9 Helper:  
LG069 helper relationship  
LIADLNDX index connection to the iadl table  
LMNYNDX index connection to the money table

Wave 10:  
MA028 r in nursing home  
MG043 iadl meal preparation help  
MG046 iadl groc shop help  
MG049 iadl making phone calls help  
MG053 iadl taking medications help  
MG054\_1 iadls- who helps -1  
MG054\_2 iadls- who helps- 2  
MG054\_3 iadls- who helps- 3  
MG054\_4 iadls- who helps- 4  
MG054\_5 iadls- who helps- 5  
MG054\_6 iadls- who helps- 6  
MG061 iadl managing money help  
MG062\_1 who helps manage money-1  
MG062\_2 who helps manage money-2

## Wave 10 Helper:

MG069 helper relationship -1  
MIADLNDX index connection to the iadl table  
MMNYNDX index connection to the money table

## Wave 11:

NA028 r in nursing home  
NG043 iadl meal preparation help  
NG046 iadl groc shop help  
NG049 iadl making phone calls help  
NG053 iadl taking medications help  
NG054\_1 iadls- who helps -1  
NG054\_2 iadls- who helps- 2  
NG054\_3 iadls- who helps- 3  
NG054\_4 iadls- who helps- 4  
NG054\_5 iadls- who helps- 5  
NG054\_6 iadls- who helps- 6  
NG061 iadl managing money help  
NG062\_1 who helps manage money-1  
NG062\_2 who helps manage money-2

## Wave 11 Helper:

NG069 helper relationship  
NIADLNDX index connection to the iadl table  
NMNYNDX index connection to the money table

## Wave 12:

OA028 r in nursing home  
OG043 iadl meal preparation help  
OG046 iadl groc shop help  
OG049 iadl making phone calls help  
OG053 iadl taking medications help  
OG054\_1 iadls- who helps -1  
OG054\_2 iadls- who helps- 2  
OG054\_3 iadls- who helps- 3  
OG054\_4 iadls- who helps- 4  
OG054\_5 iadls- who helps- 5  
OG054\_6 iadls- who helps- 6  
OG061 iadl managing money help  
OG062\_1 who helps manage money-1  
OG062\_2 who helps manage money-2

## Wave 12 Helper:

OG069 helper relationship  
OIADLNDX index connection to the iadl table  
OMNYNDX index connection to the money table

## Wave 13:

PA028 r in nursing home  
PG043 iadl meal preparation help  
PG046 iadl groc shop help  
PG049 iadl making phone calls help  
PG053 iadl taking medications help  
PG054\_1 iadls- who helps -1  
PG054\_2 iadls- who helps- 2  
PG054\_3 iadls- who helps- 3  
PG054\_4 iadls- who helps- 4  
PG054\_5 iadls- who helps- 5  
PG054\_6 iadls- who helps- 6  
PG061 iadl managing money help  
PG062\_1 who helps manage money-1  
PG062\_2 who helps manage money-2

## Wave 13 Helper:

PG069 helper relationship  
PIADLNDX index connection to the iadl table  
PMNYNDX index connection to the money table

## Wave 14:

QA028 r in nursing home

QG043 iadl meal preparation help  
QG046 iadl groc shop help  
QG049 iadl making phone calls help  
QG053 iadl taking medications help  
QG054\_1 iadls- who helps -1  
QG054\_2 iadls- who helps- 2  
QG054\_3 iadls- who helps- 3  
QG054\_4 iadls- who helps- 4  
QG054\_5 iadls- who helps- 5  
QG054\_6 iadls- who helps- 6  
QG061 iadl managing money help  
QG062\_1 who helps manage money-1  
QG062\_2 who helps manage money-2

## Wave 14 Helper:

QG069 HELPER RELATIONSHIP  
QIADLNDX INDEX CONNECTION TO THE IADL TABLE  
QMNYNDX INDEX CONNECTION TO THE MONEY TABLE

## Wave 15:

RA028 r in nursing home  
RG043 iadl meal preparation help  
RG046 iadl groc shop help  
RG049 iadl making phone calls help  
RG053 iadl taking medications help  
RG054\_1 iadls- who helps -1  
RG054\_2 iadls- who helps- 2  
RG054\_3 iadls- who helps- 3  
RG054\_4 iadls- who helps- 4  
RG054\_5 iadls- who helps- 5  
RG054\_6 iadls- who helps- 6  
RG061 iadl managing money help  
RG062\_1 who helps manage money-1  
RG062\_2 who helps manage money-2

## Wave 15 Helper:

RG069 HELPER RELATIONSHIP  
RIADLNDX INDEX CONNECTION TO THE IADL TABLE  
RMNYNDX INDEX CONNECTION TO THE MONEY TABLE

<b>Instrumental Activities of Daily Living: Receives Informal Care from Spouse</b>
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Wave	Variable	Label	Type
02	R2RISCARE	r2riscare:w2 r receives informal care from spouse for iadls	Categ
03	R3RISCARE	r3riscare:w3 r receives informal care from spouse for iadls	Categ
04	R4RISCARE	r4riscare:w4 r receives informal care from spouse for iadls	Categ
05	R5RISCARE	r5riscare:w5 r receives informal care from spouse for iadls	Categ
06	R6RISCARE	r6riscare:w6 r receives informal care from spouse for iadls	Categ
07	R7RISCARE	r7riscare:w7 r receives informal care from spouse for iadls	Categ
08	R8RISCARE	r8riscare:w8 r receives informal care from spouse for iadls	Categ
09	R9RISCARE	r9riscare:w9 r receives informal care from spouse for iadls	Categ
10	R10RISCARE	r10riscare:w10 r receives informal care from spouse for iadl	Categ
11	R11RISCARE	r11riscare:w11 r receives informal care from spouse for iadl	Categ
12	R12RISCARE	r12riscare:w12 r receives informal care from spouse for iadl	Categ
13	R13RISCARE	r13riscare:w13 r receives informal care from spouse for iadl	Categ
14	R14RISCARE	r14riscare:w14 r receives informal care from spouse for iadl	Categ
15	R15RISCARE	r15riscare:w15 r receives informal care from spouse for iadl	Categ
02	S2RISCARE	s2riscare:w2 s receives informal care from spouse for iadls	Categ
03	S3RISCARE	s3riscare:w3 s receives informal care from spouse for iadls	Categ
04	S4RISCARE	s4riscare:w4 s receives informal care from spouse for iadls	Categ
05	S5RISCARE	s5riscare:w5 s receives informal care from spouse for iadls	Categ
06	S6RISCARE	s6riscare:w6 s receives informal care from spouse for iadls	Categ
07	S7RISCARE	s7riscare:w7 s receives informal care from spouse for iadls	Categ
08	S8RISCARE	s8riscare:w8 s receives informal care from spouse for iadls	Categ
09	S9RISCARE	s9riscare:w9 s receives informal care from spouse for iadls	Categ
10	S10RISCARE	s10riscare:w10 s receives informal care from spouse for iadl	Categ
11	S11RISCARE	s11riscare:w11 s receives informal care from spouse for iadl	Categ
12	S12RISCARE	s12riscare:w12 s receives informal care from spouse for iadl	Categ
13	S13RISCARE	s13riscare:w13 s receives informal care from spouse for iadl	Categ
14	S14RISCARE	s14riscare:w14 s receives informal care from spouse for iadl	Categ
15	S15RISCARE	s15riscare:w15 s receives informal care from spouse for iadl	Categ
02	R2RISCAREN	r2riscaren:w2 # spouses who help r with iadls	Cont
05	R5RISCAREN	r5riscaren:w5 # spouses who help r with iadls	Cont
06	R6RISCAREN	r6riscaren:w6 # spouses who help r with iadls	Cont
07	R7RISCAREN	r7riscaren:w7 # spouses who help r with iadls	Cont
08	R8RISCAREN	r8riscaren:w8 # spouses who help r with iadls	Cont
09	R9RISCAREN	r9riscaren:w9 # spouses who help r with iadls	Cont
10	R10RISCAREN	r10riscaren:w10 # spouses who help r with iadls	Cont
11	R11RISCAREN	r11riscaren:w11 # spouses who help r with iadls	Cont
12	R12RISCAREN	r12riscaren:w12 # spouses who help r with iadls	Cont
13	R13RISCAREN	r13riscaren:w13 # spouses who help r with iadls	Cont
14	R14RISCAREN	r14riscaren:w14 # spouses who help r with iadls	Cont
15	R15RISCAREN	r15riscaren:w15 # spouses who help r with iadls	Cont
02	S2RISCAREN	s2riscaren:w2 # spouses who help s with iadls	Cont
05	S5RISCAREN	s5riscaren:w5 # spouses who help s with iadls	Cont
06	S6RISCAREN	s6riscaren:w6 # spouses who help s with iadls	Cont
07	S7RISCAREN	s7riscaren:w7 # spouses who help s with iadls	Cont
08	S8RISCAREN	s8riscaren:w8 # spouses who help s with iadls	Cont
09	S9RISCAREN	s9riscaren:w9 # spouses who help s with iadls	Cont
10	S10RISCAREN	s10riscaren:w10 # spouses who help s with iadls	Cont
11	S11RISCAREN	s11riscaren:w11 # spouses who help s with iadls	Cont
12	S12RISCAREN	s12riscaren:w12 # spouses who help s with iadls	Cont
13	S13RISCAREN	s13riscaren:w13 # spouses who help s with iadls	Cont
14	S14RISCAREN	s14riscaren:w14 # spouses who help s with iadls	Cont
15	S15RISCAREN	s15riscaren:w15 # spouses who help s with iadls	Cont
05	R5RISCAREDPM	r5riscaredpm:w5 days/month spouse helps r with iadls	Cont

06	R6RISCAREDPM	r6riscaredpm:w6 days/month spouse helps r with iadls	Cont
07	R7RISCAREDPM	r7riscaredpm:w7 days/month spouse helps r with iadls	Cont
08	R8RISCAREDPM	r8riscaredpm:w8 days/month spouse helps r with iadls	Cont
09	R9RISCAREDPM	r9riscaredpm:w9 days/month spouse helps r with iadls	Cont
10	R10RISCAREDPM	r10riscaredpm:w10 days/month spouse helps r with iadls	Cont
11	R11RISCAREDPM	r11riscaredpm:w11 days/month spouse helps r with iadls	Cont
12	R12RISCAREDPM	r12riscaredpm:w12 days/month spouse helps r with iadls	Cont
13	R13RISCAREDPM	r13riscaredpm:w13 days/month spouse helps r with iadls	Cont
14	R14RISCAREDPM	r14riscaredpm:w14 days/month spouse helps r with iadls	Cont
15	R15RISCAREDPM	r15riscaredpm:w15 days/month spouse helps r with iadls	Cont
05	S5RISCAREDPM	s5riscaredpm:w5 days/month spouse helps s with iadls	Cont
06	S6RISCAREDPM	s6riscaredpm:w6 days/month spouse helps s with iadls	Cont
07	S7RISCAREDPM	s7riscaredpm:w7 days/month spouse helps s with iadls	Cont
08	S8RISCAREDPM	s8riscaredpm:w8 days/month spouse helps s with iadls	Cont
09	S9RISCAREDPM	s9riscaredpm:w9 days/month spouse helps s with iadls	Cont
10	S10RISCAREDPM	s10riscaredpm:w10 days/month spouse helps s with iadls	Cont
11	S11RISCAREDPM	s11riscaredpm:w11 days/month spouse helps s with iadls	Cont
12	S12RISCAREDPM	s12riscaredpm:w12 days/month spouse helps s with iadls	Cont
13	S13RISCAREDPM	s13riscaredpm:w13 days/month spouse helps s with iadls	Cont
14	S14RISCAREDPM	s14riscaredpm:w14 days/month spouse helps s with iadls	Cont
15	S15RISCAREDPM	s15riscaredpm:w15 days/month spouse helps s with iadls	Cont
05	R5RISCAREDPMM	r5riscaredpmm:w5 r spouse missing days of help for iadls	Cont
06	R6RISCAREDPMM	r6riscaredpmm:w6 r spouse missing days of help for iadls	Cont
07	R7RISCAREDPMM	r7riscaredpmm:w7 r spouse missing days of help for iadls	Cont
08	R8RISCAREDPMM	r8riscaredpmm:w8 r spouse missing days of help for iadls	Cont
09	R9RISCAREDPMM	r9riscaredpmm:w9 r spouse missing days of help for iadls	Cont
10	R10RISCAREDPMM	r10riscaredpmm:w10 r spouse missing days of help for iadls	Cont
11	R11RISCAREDPMM	r11riscaredpmm:w11 r spouse missing days of help for iadls	Cont
12	R12RISCAREDPMM	r12riscaredpmm:w12 r spouse missing days of help for iadls	Cont
13	R13RISCAREDPMM	r13riscaredpmm:w13 r spouse missing days of help for iadls	Cont
14	R14RISCAREDPMM	r14riscaredpmm:w14 r spouse missing days of help for iadls	Cont
15	R15RISCAREDPMM	r15riscaredpmm:w15 r spouse missing days of help for iadls	Cont
05	S5RISCAREDPMM	s5riscaredpmm:w5 s spouse missing days of help for iadls	Cont
06	S6RISCAREDPMM	s6riscaredpmm:w6 s spouse missing days of help for iadls	Cont
07	S7RISCAREDPMM	s7riscaredpmm:w7 s spouse missing days of help for iadls	Cont
08	S8RISCAREDPMM	s8riscaredpmm:w8 s spouse missing days of help for iadls	Cont
09	S9RISCAREDPMM	s9riscaredpmm:w9 s spouse missing days of help for iadls	Cont
10	S10RISCAREDPMM	s10riscaredpmm:w10 s spouse missing days of help for iadls	Cont
11	S11RISCAREDPMM	s11riscaredpmm:w11 s spouse missing days of help for iadls	Cont
12	S12RISCAREDPMM	s12riscaredpmm:w12 s spouse missing days of help for iadls	Cont
13	S13RISCAREDPMM	s13riscaredpmm:w13 s spouse missing days of help for iadls	Cont
14	S14RISCAREDPMM	s14riscaredpmm:w14 s spouse missing days of help for iadls	Cont
15	S15RISCAREDPMM	s15riscaredpmm:w15 s spouse missing days of help for iadls	Cont
02	R2RISCAREHR	r2riscarehr:w2 hours/day spouse helps r with iadls	Cont
05	R5RISCAREHR	r5riscarehr:w5 hours/day spouse helps r with iadls	Cont
06	R6RISCAREHR	r6riscarehr:w6 hours/day spouse helps r with iadls	Cont
07	R7RISCAREHR	r7riscarehr:w7 hours/day spouse helps r with iadls	Cont
08	R8RISCAREHR	r8riscarehr:w8 hours/day spouse helps r with iadls	Cont
09	R9RISCAREHR	r9riscarehr:w9 hours/day spouse helps r with iadls	Cont
10	R10RISCAREHR	r10riscarehr:w10 hours/day spouse helps r with iadls	Cont
11	R11RISCAREHR	r11riscarehr:w11 hours/day spouse helps r with iadls	Cont
12	R12RISCAREHR	r12riscarehr:w12 hours/day spouse helps r with iadls	Cont
13	R13RISCAREHR	r13riscarehr:w13 hours/day spouse helps r with iadls	Cont
14	R14RISCAREHR	r14riscarehr:w14 hours/day spouse helps r with iadls	Cont
15	R15RISCAREHR	r15riscarehr:w15 hours/day spouse helps r with iadls	Cont
02	S2RISCAREHR	s2riscarehr:w2 hours/day spouse helps s with iadls	Cont
05	S5RISCAREHR	s5riscarehr:w5 hours/day spouse helps s with iadls	Cont
06	S6RISCAREHR	s6riscarehr:w6 hours/day spouse helps s with iadls	Cont

07	S7RISCAREHR	s7riscarehr:w7 hours/day spouse helps s with iadls	Cont
08	S8RISCAREHR	s8riscarehr:w8 hours/day spouse helps s with iadls	Cont
09	S9RISCAREHR	s9riscarehr:w9 hours/day spouse helps s with iadls	Cont
10	S10RISCAREHR	s10riscarehr:w10 hours/day spouse helps s with iadls	Cont
11	S11RISCAREHR	s11riscarehr:w11 hours/day spouse helps s with iadls	Cont
12	S12RISCAREHR	s12riscarehr:w12 hours/day spouse helps s with iadls	Cont
13	S13RISCAREHR	s13riscarehr:w13 hours/day spouse helps s with iadls	Cont
14	S14RISCAREHR	s14riscarehr:w14 hours/day spouse helps s with iadls	Cont
15	S15RISCAREHR	s15riscarehr:w15 hours/day spouse helps s with iadls	Cont
02	R2RISCAREHRM	r2riscarehrm:w2 r spouse missing hours of help for iadls	Cont
05	R5RISCAREHRM	r5riscarehrm:w5 r spouse missing hours of help for iadls	Cont
06	R6RISCAREHRM	r6riscarehrm:w6 r spouse missing hours of help for iadls	Cont
07	R7RISCAREHRM	r7riscarehrm:w7 r spouse missing hours of help for iadls	Cont
08	R8RISCAREHRM	r8riscarehrm:w8 r spouse missing hours of help for iadls	Cont
09	R9RISCAREHRM	r9riscarehrm:w9 r spouse missing hours of help for iadls	Cont
10	R10RISCAREHRM	r10riscarehrm:w10 r spouse missing hours of help for iadls	Cont
11	R11RISCAREHRM	r11riscarehrm:w11 r spouse missing hours of help for iadls	Cont
12	R12RISCAREHRM	r12riscarehrm:w12 r spouse missing hours of help for iadls	Cont
13	R13RISCAREHRM	r13riscarehrm:w13 r spouse missing hours of help for iadls	Cont
14	R14RISCAREHRM	r14riscarehrm:w14 r spouse missing hours of help for iadls	Cont
15	R15RISCAREHRM	r15riscarehrm:w15 r spouse missing hours of help for iadls	Cont
02	S2RISCAREHRM	s2riscarehrm:w2 s spouse missing hours of help for iadls	Cont
05	S5RISCAREHRM	s5riscarehrm:w5 s spouse missing hours of help for iadls	Cont
06	S6RISCAREHRM	s6riscarehrm:w6 s spouse missing hours of help for iadls	Cont
07	S7RISCAREHRM	s7riscarehrm:w7 s spouse missing hours of help for iadls	Cont
08	S8RISCAREHRM	s8riscarehrm:w8 s spouse missing hours of help for iadls	Cont
09	S9RISCAREHRM	s9riscarehrm:w9 s spouse missing hours of help for iadls	Cont
10	S10RISCAREHRM	s10riscarehrm:w10 s spouse missing hours of help for iadls	Cont
11	S11RISCAREHRM	s11riscarehrm:w11 s spouse missing hours of help for iadls	Cont
12	S12RISCAREHRM	s12riscarehrm:w12 s spouse missing hours of help for iadls	Cont
13	S13RISCAREHRM	s13riscarehrm:w13 s spouse missing hours of help for iadls	Cont
14	S14RISCAREHRM	s14riscarehrm:w14 s spouse missing hours of help for iadls	Cont
15	S15RISCAREHRM	s15riscarehrm:w15 s spouse missing hours of help for iadls	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RISCARE	2232	0.41	0.49	0.00	1.00
R3RISCARE	2256	0.39	0.49	0.00	1.00
R4RISCARE	2578	0.40	0.49	0.00	1.00
R5RISCARE	2356	0.39	0.49	0.00	1.00
R6RISCARE	2354	0.37	0.48	0.00	1.00
R7RISCARE	2496	0.39	0.49	0.00	1.00
R8RISCARE	2436	0.40	0.49	0.00	1.00
R9RISCARE	2249	0.37	0.48	0.00	1.00
R10RISCARE	2938	0.41	0.49	0.00	1.00
R11RISCARE	2782	0.40	0.49	0.00	1.00
R12RISCARE	2653	0.40	0.49	0.00	1.00
R13RISCARE	2738	0.39	0.49	0.00	1.00
R14RISCARE	2181	0.40	0.49	0.00	1.00
R15RISCARE	1931	0.39	0.49	0.00	1.00
S2RISCARE	1070	0.83	0.37	0.00	1.00
S3RISCARE	1050	0.83	0.38	0.00	1.00
S4RISCARE	1224	0.82	0.38	0.00	1.00
S5RISCARE	1085	0.83	0.38	0.00	1.00
S6RISCARE	1028	0.84	0.37	0.00	1.00
S7RISCARE	1156	0.83	0.37	0.00	1.00
S8RISCARE	1107	0.86	0.35	0.00	1.00
S9RISCARE	964	0.84	0.36	0.00	1.00

S10RISCARE	1372	0.85	0.36	0.00	1.00
S11RISCARE	1277	0.85	0.36	0.00	1.00
S12RISCARE	1196	0.84	0.36	0.00	1.00
S13RISCARE	1209	0.83	0.37	0.00	1.00
S14RISCARE	953	0.84	0.37	0.00	1.00
S15RISCARE	810	0.84	0.37	0.00	1.00
R2RISCAREN	2232	0.41	0.49	0.00	1.00
R5RISCAREN	2356	0.39	0.49	0.00	1.00
R6RISCAREN	2354	0.37	0.48	0.00	1.00
R7RISCAREN	2496	0.39	0.49	0.00	1.00
R8RISCAREN	2436	0.40	0.49	0.00	1.00
R9RISCAREN	2249	0.37	0.48	0.00	1.00
R10RISCAREN	2938	0.41	0.49	0.00	1.00
R11RISCAREN	2782	0.40	0.49	0.00	1.00
R12RISCAREN	2653	0.40	0.49	0.00	1.00
R13RISCAREN	2738	0.39	0.49	0.00	1.00
R14RISCAREN	2181	0.40	0.49	0.00	1.00
R15RISCAREN	1931	0.39	0.49	0.00	2.00
S2RISCAREN	1070	0.83	0.37	0.00	1.00
S5RISCAREN	1085	0.83	0.38	0.00	1.00
S6RISCAREN	1028	0.84	0.37	0.00	1.00
S7RISCAREN	1156	0.83	0.37	0.00	1.00
S8RISCAREN	1107	0.86	0.35	0.00	1.00
S9RISCAREN	964	0.84	0.36	0.00	1.00
S10RISCAREN	1372	0.85	0.36	0.00	1.00
S11RISCAREN	1277	0.85	0.36	0.00	1.00
S12RISCAREN	1196	0.84	0.36	0.00	1.00
S13RISCAREN	1209	0.83	0.37	0.00	1.00
S14RISCAREN	953	0.84	0.37	0.00	1.00
S15RISCAREN	810	0.84	0.37	0.00	1.00
R5RISCAREDPM	2305	9.23	13.61	0.00	31.00
R6RISCAREDPM	2343	8.28	13.11	0.00	31.00
R7RISCAREDPM	2479	8.55	13.20	0.00	31.00
R8RISCAREDPM	2421	9.31	13.66	0.00	31.00
R9RISCAREDPM	2240	8.95	13.55	0.00	31.00
R10RISCAREDPM	2921	9.05	13.36	0.00	31.00
R11RISCAREDPM	2771	9.01	13.37	0.00	31.00
R12RISCAREDPM	2632	8.67	13.16	0.00	31.00
R13RISCAREDPM	2720	8.42	13.02	0.00	31.00
R14RISCAREDPM	2155	8.53	12.96	0.00	31.00
R15RISCAREDPM	1920	8.59	13.24	0.00	62.00
S5RISCAREDPM	1035	20.29	13.50	0.00	31.00
S6RISCAREDPM	1018	18.73	13.88	0.00	31.00
S7RISCAREDPM	1139	18.35	13.95	0.00	31.00
S8RISCAREDPM	1093	20.35	13.57	0.00	31.00
S9RISCAREDPM	955	20.54	13.54	0.00	31.00
S10RISCAREDPM	1357	18.85	13.71	0.00	31.00
S11RISCAREDPM	1266	19.05	13.68	0.00	31.00
S12RISCAREDPM	1175	18.75	13.66	0.00	31.00
S13RISCAREDPM	1191	17.93	13.82	0.00	31.00
S14RISCAREDPM	929	18.37	13.53	0.00	31.00
S15RISCAREDPM	799	18.95	13.78	0.00	31.00
R5RISCAREDPMM	2356	0.01	0.08	0.00	1.00
R6RISCAREDPMM	2354	0.00	0.07	0.00	1.00
R7RISCAREDPMM	2496	0.01	0.08	0.00	1.00
R8RISCAREDPMM	2436	0.01	0.08	0.00	1.00
R9RISCAREDPMM	2249	0.00	0.06	0.00	1.00
R10RISCAREDPMM	2938	0.01	0.07	0.00	1.00

R11RISCAREDPMM	2782	0.00	0.06	0.00	1.00
R12RISCAREDPMM	2653	0.01	0.08	0.00	1.00
R13RISCAREDPMM	2738	0.01	0.08	0.00	1.00
R14RISCAREDPMM	2181	0.01	0.11	0.00	1.00
R15RISCAREDPMM	1931	0.01	0.07	0.00	1.00
S5RISCAREDPMM	1085	0.01	0.12	0.00	1.00
S6RISCAREDPMM	1028	0.01	0.10	0.00	1.00
S7RISCAREDPMM	1156	0.01	0.12	0.00	1.00
S8RISCAREDPMM	1107	0.01	0.11	0.00	1.00
S9RISCAREDPMM	964	0.01	0.10	0.00	1.00
S10RISCAREDPMM	1372	0.01	0.10	0.00	1.00
S11RISCAREDPMM	1277	0.01	0.09	0.00	1.00
S12RISCAREDPMM	1196	0.02	0.13	0.00	1.00
S13RISCAREDPMM	1209	0.01	0.12	0.00	1.00
S14RISCAREDPMM	953	0.02	0.15	0.00	1.00
S15RISCAREDPMM	810	0.01	0.11	0.00	1.00
R2RISCAREHR	2146	1.97	4.92	0.00	24.00
R5RISCAREHR	2254	2.07	5.10	0.00	24.00
R6RISCAREHR	2251	2.02	5.11	0.00	24.00
R7RISCAREHR	2396	2.08	5.18	0.00	24.00
R8RISCAREHR	2335	1.98	4.90	0.00	24.00
R9RISCAREHR	2169	2.10	5.40	0.00	24.00
R10RISCAREHR	2836	1.88	4.51	0.00	24.00
R11RISCAREHR	2691	1.98	4.75	0.00	24.00
R12RISCAREHR	2572	1.88	4.58	0.00	24.00
R13RISCAREHR	2645	1.93	4.73	0.00	24.00
R14RISCAREHR	2111	1.96	4.68	0.00	24.00
R15RISCAREHR	1872	1.95	4.72	0.00	24.00
S2RISCAREHR	985	4.22	6.55	0.00	24.00
S5RISCAREHR	985	4.71	6.86	0.00	24.00
S6RISCAREHR	927	4.80	6.91	0.00	24.00
S7RISCAREHR	1057	4.68	6.97	0.00	24.00
S8RISCAREHR	1010	4.51	6.56	0.00	24.00
S9RISCAREHR	885	5.07	7.46	0.00	24.00
S10RISCAREHR	1272	4.02	5.91	0.00	24.00
S11RISCAREHR	1195	4.30	6.25	0.00	24.00
S12RISCAREHR	1117	4.17	6.13	0.00	24.00
S13RISCAREHR	1123	4.29	6.34	0.00	24.00
S14RISCAREHR	886	4.26	6.15	0.00	24.00
S15RISCAREHR	753	4.43	6.32	0.00	24.00
R2RISCAREHRM	2232	0.04	0.19	0.00	1.00
R5RISCAREHRM	2356	0.04	0.20	0.00	1.00
R6RISCAREHRM	2354	0.04	0.20	0.00	1.00
R7RISCAREHRM	2496	0.04	0.20	0.00	1.00
R8RISCAREHRM	2436	0.04	0.20	0.00	1.00
R9RISCAREHRM	2249	0.04	0.19	0.00	1.00
R10RISCAREHRM	2938	0.03	0.18	0.00	1.00
R11RISCAREHRM	2782	0.03	0.18	0.00	1.00
R12RISCAREHRM	2653	0.03	0.17	0.00	1.00
R13RISCAREHRM	2738	0.03	0.18	0.00	1.00
R14RISCAREHRM	2181	0.03	0.17	0.00	1.00
R15RISCAREHRM	1931	0.03	0.17	0.00	1.00
S2RISCAREHRM	1070	0.08	0.27	0.00	1.00
S5RISCAREHRM	1085	0.09	0.29	0.00	1.00
S6RISCAREHRM	1028	0.10	0.30	0.00	1.00
S7RISCAREHRM	1156	0.09	0.28	0.00	1.00
S8RISCAREHRM	1107	0.09	0.28	0.00	1.00
S9RISCAREHRM	964	0.08	0.27	0.00	1.00



S10RISCAREHRM	1372	0.07	0.26	0.00	1.00
S11RISCAREHRM	1277	0.06	0.25	0.00	1.00
S12RISCAREHRM	1196	0.07	0.25	0.00	1.00
S13RISCAREHRM	1209	0.07	0.26	0.00	1.00
S14RISCAREHRM	953	0.07	0.25	0.00	1.00
S15RISCAREHRM	810	0.07	0.25	0.00	1.00

### Categorical Variable Codes

Value-----	R2RISCARE	R3RISCARE	R4RISCARE	R5RISCARE
.d:DK	27	5	1	3
.h:no help received		494	578	522
.m:Missing	1	48	34	29
.q:not asked this wave	11595			
.r:Refuse			1	1
.x:no difficulties	5962	15188	18192	16667
0.no	1323	1373	1548	1447
1.yes	909	883	1030	909

Value-----	R6RISCARE	R7RISCARE	R8RISCARE	R9RISCARE	R10RISCARE
.d:DK	3	5		2	6
.h:no help received	476	566	531	537	827
.m:Missing	11	14	9	13	139
.r:Refuse	3	1		1	4
.x:no difficulties	15318	17047	15493	14415	18120
0.no	1479	1519	1469	1417	1724
1.yes	875	977	967	832	1214

Value-----	R11RISCARE	R12RISCARE	R13RISCARE	R14RISCARE	R15RISCARE
.d:DK	4	18	12	7	6
.h:no help received	713	740	832	689	543
.m:Missing	19	17	38	33	78
.r:Refuse	4	3	1	3	1
.x:no difficulties	17032	15316	17291	14233	13164
0.no	1657	1596	1662	1309	1186
1.yes	1125	1057	1076	872	745

Value-----	S2RISCARE	S3RISCARE	S4RISCARE	S5RISCARE
.d:DK	7	2		
.h:no help received		248	291	250
.m:Missing	1	16	7	8
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3272	10600	12456	11387
0.no	179	183	215	189
1.yes	891	867	1009	896

Value-----	S6RISCARE	S7RISCARE	S8RISCARE	S9RISCARE	S10RISCARE
.d:DK	1	3			
.h:no help received	219	257	259	252	354
.m:Missing	3	1	2	4	83
.r:Refuse	1				2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10380	11551	10360	9420	11697
0.no	167	195	156	150	206
1.yes	861	961	951	814	1166

Value-----	S11RISCARE	S12RISCARE	S13RISCARE	S14RISCARE	S15RISCARE
.d:DK	1	4	5	1	1
.h:no help received	318	295	284	248	198
.m:Missing	5	4	8	8	12
.r:Refuse	1			2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10874	9513	10272	8146	7444
0.no	197	188	203	154	132
1.yes	1080	1008	1006	799	678

### How Constructed:

The following variables indicate whether the respondent's spouse helps the respondent with any IADL needs. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any IADL, and are coded as special missing .h if the respondent reports difficulty with an IADL but does not receive any help. Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRISCARE, RwRISCAREN, RwRISCAREDPM, RwRISCAREDPMM, RwRISCAREHR, and RwRISCAREHRM include help from the current spouse/partner of the respondent in Waves 2 through 5, and the current or former spouse/partner of the respondent in Wave 6 and onward.

RwRISCARE indicates whether the respondent's spouse or former spouse helps the respondent with any IADL needs. RwRISCAREN indicates the number of the respondent's spouses or former spouses who help the respondent with IADL needs. RwRISCARE is coded as 0 if the respondent receives no assistance from their spouse, and coded as 1 if the respondent does receive help from their spouse. In Wave 2, RwRISCARE and RwRISCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRISCARE is not available in Wave 1 and RwRISCAREN is not available in Waves 1, 3, and 4.

RwRISCAREDPM indicates the number of total days per month the respondent's spouse or former spouse helps the respondent with IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRISCAREDPM is the sum of days per month for all spouse or former spouse helpers, and so values can be over 31 days. RwRISCAREDPM is calculated as long as there is one non-missing value. RwRISCAREDPMM indicates the number of spouses or former spouses who helped the respondent for whom no value of days was reported and was not accounted for in RwRISCAREDPM. RwRISCAREDPMM is assigned special missing .m if the respondent's spouse or former spouse do not help the respondent or prior information was missing. RwRISCAREDPM and RwRISCAREDPMM are not available in Waves 1 through 4.

RwRISCAREHR indicates the number of total hours per day the respondent's spouse or former spouse helps the respondent with any IADL needs. Respondents are asked, on days their spouse helps with a particular IADL need, how many hours per day their spouse helps. If the respondent reports less than an hour, then a 1 is recorded. RwRISCAREHR is the sum of hours per day for all spouse or former spouse helpers, and so values can be over 24 hours. RwRISCAREHR is calculated as long as there is one non-missing value. RwRISCAREHRM indicates the number of spouses or former spouses who helped the respondent for whom no value of hours was reported and was not accounted for in RwRISCAREHR. RwRISCAREHRM is assigned special missing .m if the respondent was not helped by any spouse or former spouses or prior information was missing. If the respondent participated in the HRS cohort in Wave 2, then RwRISCAREHR and RwRISCAREHRM are assigned special missing .q in Wave 2. RwRISCAREHR and RwRISCAREHRM are not available in Waves 1, 3, and 4.

SwRISCARE, SwRISCAREN, SwRISCAREDPM, and SwRISCAREHR indicate whether, the number, and the frequency with which the respondent's current wave's spouse receives help from the respondent or their former spouse, and their values are taken from RwRISCARE, RwRISCAREN, RwRISCAREDPM, and RwRISCAREHR. SwRISCAREDPMM and SwRISCAREHRM indicate whether or not a value was reported for the number of days and hours the respondent's current spouse was helped by the respondent or their former spouse and are taken from RwRISCAREDPMM and RwRISCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v

is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with IADLs at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

Respondents are asked who helps them with IADLs starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWRISCARE is available starting in the AHEAD cohorts in Wave 2 and Wave 3. Additionally, RWRISCAREN is available for the AHEAD cohort in Wave 2. If the respondent participated in the HRS cohort in Wave 2, then these variables are assigned special missing .q in Wave 2 because they were not asked this question.

In the AHEAD and HRS cohorts in Wave 3 and Wave 4, respondents can report that their current spouse helps them with IADLs. However, respondents are not asked about the number of days or number of hours that the respondent's spouse helps the respondent in these waves. As such, RWRISCAREN, RWRISCAREDPM, RWRISCAREDPMM, RWRISCAREHR, and RWRISCAREHRM are not available in Waves 3 and 4.

Starting in Wave 5, respondents are asked who helps them with IADLs, and are asked about the number of days and number of hours that the respondent's spouse helps the respondent. As such, RWRISCAREN, RWRISCAREDPM, RWRISCAREDPMM, RWRISCAREHR, and RWRISCAREHRM are available beginning in Wave 5.

## HRS Variables Used:

### RAND HRS:

R10MEALSA	r10mealsa:w10	r any diff-prepare hot meal
R10MEDSA	r10medsa:w10	r any diff-take medications
R10MONEYA	r10moneya:w10	r any diff-managing money
R10PHONEA	r10phonea:w10	r any diff-use telephone
R10SHOPA	r10shopa:w10	r any diff-shop for grocery
R11MEALSA	r11mealsa:w11	r any diff-prepare hot meal
R11MEDSA	r11medsa:w11	r any diff-take medications
R11MONEYA	r11moneya:w11	r any diff-managing money
R11PHONEA	r11phonea:w11	r any diff-use telephone
R11SHOPA	r11shopa:w11	r any diff-shop for grocery
R12MEALSA	r12mealsa:w12	r any diff-prepare hot meal
R12MEDSA	r12medsa:w12	r any diff-take medications
R12MONEYA	r12moneya:w12	r any diff-managing money
R12PHONEA	r12phonea:w12	r any diff-use telephone
R12SHOPA	r12shopa:w12	r any diff-shop for grocery
R13MEALSA	r13mealsa:w13	r any diff-prepare hot meal
R13MEDSA	r13medsa:w13	r any diff-take medications
R13MONEYA	r13moneya:w13	r any diff-managing money
R13PHONEA	r13phonea:w13	r any diff-use telephone
R13SHOPA	r13shopa:w13	r any diff-shop for grocery
R14MEALSA	r14mealsa:w14	r any diff-prepare hot meal
R14MEDSA	r14medsa:w14	r any diff-take medications
R14MONEYA	r14moneya:w14	r any diff-managing money
R14PHONEA	r14phonea:w14	r any diff-use telephone
R14SHOPA	r14shopa:w14	r any diff-shop for grocery
R15MEALSA	r15mealsa:w15	r any diff-prepare hot meal
R15MEDSA	r15medsa:w15	r any diff-take medications
R15MONEYA	r15moneya:w15	r any diff-managing money
R15PHONEA	r15phonea:w15	r any diff-use telephone
R15SHOPA	r15shopa:w15	r any diff-shop for grocery

R3MEALSA	r3mealsa:w3 r any diff-prepare hot meal
R3MEDSA	r3medsa:w3 r any diff-take medications
R3MONEYA	r3moneya:w3 r any diff-managing money
R3PHONEA	r3phonea:w3 r any diff-use telephone
R3SHOPA	r3shopa:w3 r any diff-shop for grocery
R4MEALSA	r4mealsa:w4 r any diff-prepare hot meal
R4MEDSA	r4medsa:w4 r any diff-take medications
R4MONEYA	r4moneya:w4 r any diff-managing money
R4PHONEA	r4phonea:w4 r any diff-use telephone
R4SHOPA	r4shopa:w4 r any diff-shop for grocery
R5MEALSA	r5mealsa:w5 r any diff-prepare hot meal
R5MEDSA	r5medsa:w5 r any diff-take medications
R5MONEYA	r5moneya:w5 r any diff-managing money
R5PHONEA	r5phonea:w5 r any diff-use telephone
R5SHOPA	r5shopa:w5 r any diff-shop for grocery
R6MEALSA	r6mealsa:w6 r any diff-prepare hot meal
R6MEDSA	r6medsa:w6 r any diff-take medications
R6MONEYA	r6moneya:w6 r any diff-managing money
R6PHONEA	r6phonea:w6 r any diff-use telephone
R6SHOPA	r6shopa:w6 r any diff-shop for grocery
R7MEALSA	r7mealsa:w7 r any diff-prepare hot meal
R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
Wave 2 AHEAD:	
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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps
Wave 2 AHEAD Helper:	
BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V993	E61. HELPER HOURS PER DAY
V994	E62. HELPER PAID?
Wave 2 AHEAD HHLIST:	
OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R
Wave 2 HRS:	
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D2024	e95c.iadl meals help
D2029	e96c.iadl groc help
D2034	e97c.iadl phone help
D2039	e98c.iadl med help
D2041	e99.iadls-who help,1

D2050 e100.iadls-who help,2  
 D2055 e101.iadls-who help,3  
 D2061 e102.iadls-who help,4  
 D2067 e103.iadls-who help,5  
 D2073 e104.iadls-who help,6  
 D2102 e106c.iadl money who help,1  
 D2107 e107. money help-1  
 D2115 e107c.iadl money who help,2  
 D2121 e108. money helper-2

## Wave 3 AHEAD Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 3 HRS:

E2039 e95c.iadl meals help  
 E2044 e96c.iadl groc help  
 E2049 e97c.iadl phone help  
 E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help  
 F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help  
 F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4  
 F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6

F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

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  
 F2658 E158-2. HELPER OFTEN  
 F2659 E158A-2.HELPER PER WEEK  
 F2660 E158B-2.HELPER EVERY DAY  
 F2662 E159-2. HELPER HOURS  
 F2665 E162-2. HELPER PAID  
 OPN OTHER PERSON NUMBER

## Wave 5:

G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help  
 G2873 e97c.iadl phone help  
 G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2  
 G558 cs11.r in nursing home

## Wave 5 Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HA028 r in nursing home  
 HG043 iadl meal preparation help  
 HG046 iadl groc shop help  
 HG049 iadl making phone calls help  
 HG053 iadl taking medications help  
 HG054\_1 iadls- who helps most-1  
 HG054\_2 iadls- who helps- 2  
 HG054\_3 iadls- who helps- 3  
 HG054\_4 iadls- who helps- 4  
 HG054\_5 iadls- who helps- 5  
 HG054\_6 iadls- who helps- 6  
 HG061 iadl managing money help  
 HG062\_1 who helps manage money-1  
 HG062\_2 who helps manage money-2

## Wave 6 Helper:

HG069	helper relationship
HG070	freq of help given- days in last month
HG071	freq of help given- days per week
HG072	did helper help every dy
HG073	#hrs of help
HG076	helper paid to help
HIADLNDX	iadl helper index
HMNYNDX	money helper index
Wave 7:	
JA028	r in nursing home
JG043	iadl meal preparation help
JG046	iadl groc shop help
JG049	iadl making phone calls help
JG053	iadl taking medications help
JG054_1	iadls- who helps most-1
JG054_2	iadls- who helps- 2
JG054_3	iadls- who helps- 3
JG054_4	iadls- who helps- 4
JG054_5	iadls- who helps- 5
JG054_6	iadls- who helps- 6
JG061	iadl managing money help
JG062_1	who helps manage money-1
JG062_2	who helps manage money-2
Wave 7 Helper:	
JG069	helper relationship
JG070	freq of help given-days last month
JG071	# days helper helped
JG072	did helper help every dy
JG073	#hrs of help
JG076	helper given money to help
JIADLNDX	index connection to the iadl table
JMNYNDX	index connection to the money table
Wave 8:	
KA028	r in nursing home
KG043	iadl meal preparation help
KG046	iadl groc shop help
KG049	iadl making phone calls help
KG053	iadl taking medications help
KG054_1	iadls- who helps most-1
KG054_2	iadls- who helps- 2
KG054_3	iadls- who helps- 3
KG054_4	iadls- who helps- 4
KG054_5	iadls- who helps- 5
KG054_6	iadls- who helps- 6
KG061	iadl managing money help
KG062_1	who helps manage money-1
KG062_2	who helps manage money-2
Wave 8 Helper:	
KG069	helper relationship
KG070	freq of help given-days last month
KG071	# days helper helped
KG072	did helper help every dy
KG073	#hrs of help
KG076	helper given money to help
KIADLNDX	index connection to the iadl table
KMNYNDX	index connection to the money table
Wave 9:	
LA028	r in nursing home
LG043	iadl meal preparation help
LG046	iadl groc shop help
LG049	iadl making phone calls help
LG053	iadl taking medications help
LG054_1	iadls- who helps most-1

LG054\_2 iadls- who helps- 2  
LG054\_3 iadls- who helps- 3  
LG054\_4 iadls- who helps- 4  
LG054\_5 iadls- who helps- 5  
LG054\_6 iadls- who helps- 6  
LG061 iadl managing money help  
LG062\_1 who helps manage money-1  
LG062\_2 who helps manage money-2

Wave 9 Helper:  
LG069 helper relationship  
LG070 freq of help given-days last month  
LG071 # days helper helped  
LG072 did helper help every day  
LG073 #hrs of help  
LG076 helper given money to help  
LIADLNDX index connection to the iadl table  
LMNYNDX index connection to the money table

Wave 10:  
MA028 r in nursing home  
MG043 iadl meal preparation help  
MG046 iadl groc shop help  
MG049 iadl making phone calls help  
MG053 iadl taking medications help  
MG054\_1 iadls- who helps -1  
MG054\_2 iadls- who helps- 2  
MG054\_3 iadls- who helps- 3  
MG054\_4 iadls- who helps- 4  
MG054\_5 iadls- who helps- 5  
MG054\_6 iadls- who helps- 6  
MG061 iadl managing money help  
MG062\_1 who helps manage money-1  
MG062\_2 who helps manage money-2

Wave 10 Helper:  
MG069 helper relationship -1  
MG070 freq of help given -1  
MG071 # days helper helped -1  
MG072 did helper help every dy -1  
MG073 #hrs of help -1  
MG076 helper given money to help -1  
MIADLNDX index connection to the iadl table  
MMNYNDX index connection to the money table

Wave 11:  
NA028 r in nursing home  
NG043 iadl meal preparation help  
NG046 iadl groc shop help  
NG049 iadl making phone calls help  
NG053 iadl taking medications help  
NG054\_1 iadls- who helps -1  
NG054\_2 iadls- who helps- 2  
NG054\_3 iadls- who helps- 3  
NG054\_4 iadls- who helps- 4  
NG054\_5 iadls- who helps- 5  
NG054\_6 iadls- who helps- 6  
NG061 iadl managing money help  
NG062\_1 who helps manage money-1  
NG062\_2 who helps manage money-2

Wave 11 Helper:  
NG069 helper relationship  
NG070 freq of help given  
NG071 # days helper helped  
NG072 did helper help every dy  
NG073 #hrs of help  
NG076 helper given money to help



NIADLNDX	index connection to the iadl table
NMNYNDX	index connection to the money table
Wave 12:	
OA028	r in nursing home
OG043	iadl meal preparation help
OG046	iadl groc shop help
OG049	iadl making phone calls help
OG053	iadl taking medications help
OG054_1	iadls- who helps -1
OG054_2	iadls- who helps- 2
OG054_3	iadls- who helps- 3
OG054_4	iadls- who helps- 4
OG054_5	iadls- who helps- 5
OG054_6	iadls- who helps- 6
OG061	iadl managing money help
OG062_1	who helps manage money-1
OG062_2	who helps manage money-2
Wave 12 Helper:	
OG069	helper relationship
OG070	freq of help given
OG071	# days helper helped
OG072	did helper help every dy
OG073	#hrs of help
OG076	helper given money to help
OIADLNDX	index connection to the iadl table
OMNYNDX	index connection to the money table
Wave 13:	
PA028	r in nursing home
PG043	iadl meal preparation help
PG046	iadl groc shop help
PG049	iadl making phone calls help
PG053	iadl taking medications help
PG054_1	iadls- who helps -1
PG054_2	iadls- who helps- 2
PG054_3	iadls- who helps- 3
PG054_4	iadls- who helps- 4
PG054_5	iadls- who helps- 5
PG054_6	iadls- who helps- 6
PG061	iadl managing money help
PG062_1	who helps manage money-1
PG062_2	who helps manage money-2
Wave 13 Helper:	
PG069	helper relationship
PG070	freq of help given
PG071	# days helper helped
PG072	did helper help every dy
PG073	#hrs of help
PG076	helper given money to help
PIADLNDX	index connection to the iadl table
PMNYNDX	index connection to the money table
Wave 14:	
QA028	r in nursing home
QG043	iadl meal preparation help
QG046	iadl groc shop help
QG049	iadl making phone calls help
QG053	iadl taking medications help
QG054_1	iadls- who helps -1
QG054_2	iadls- who helps- 2
QG054_3	iadls- who helps- 3
QG054_4	iadls- who helps- 4
QG054_5	iadls- who helps- 5
QG054_6	iadls- who helps- 6
QG061	iadl managing money help

```
    QG062_1      who helps manage money-1
    QG062_2      who helps manage money-2
Wave 14 Helper:
    QG069      HELPER RELATIONSHIP
    QG070      FREQ OF HELP GIVEN
    QG071      # DAYS HELPER HELPED
    QG072      DID HELPER HELP EVERY DY
    QG073      #HRS OF HELP
    QG076      HELPER GIVEN MONEY TO HELP
    QIADLNDX   INDEX CONNECTION TO THE IADL TABLE
    QMNYNDX    INDEX CONNECTION TO THE MONEY TABLE
Wave 15:
    RA028      r in nursing home
    RG043      iadl meal preparation help
    RG046      iadl groc shop help
    RG049      iadl making phone calls help
    RG053      iadl taking medications help
    RG054_1    iadls- who helps -1
    RG054_2    iadls- who helps- 2
    RG054_3    iadls- who helps- 3
    RG054_4    iadls- who helps- 4
    RG054_5    iadls- who helps- 5
    RG054_6    iadls- who helps- 6
    RG061      iadl managing money help
    RG062_1    who helps manage money-1
    RG062_2    who helps manage money-2
Wave 15 Helper:
    RG069      HELPER RELATIONSHIP
    RG070      FREQ OF HELP GIVEN
    RG071      # DAYS HELPER HELPED
    RG072      DID HELPER HELP EVERY DY
    RG073      #HRS OF HELP
    RG076      HELPER GIVEN MONEY TO HELP
    RIADLNDX   INDEX CONNECTION TO THE IADL TABLE
    RMNYNDX    INDEX CONNECTION TO THE MONEY TABLE
```

<b>Instrumental Activities of Daily Living: Receives Informal Care from Children or Grandchildren</b>
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Wave	Variable	Label	Type
02	R2RICCARE	r2riccare:w2 r receives informal care from kids/grandkids fo	Categ
03	R3RICCARE	r3riccare:w3 r receives informal care from kids/grandkids fo	Categ
04	R4RICCARE	r4riccare:w4 r receives informal care from kids/grandkids fo	Categ
05	R5RICCARE	r5riccare:w5 r receives informal care from kids/grandkids fo	Categ
06	R6RICCARE	r6riccare:w6 r receives informal care from kids/grandkids fo	Categ
07	R7RICCARE	r7riccare:w7 r receives informal care from kids/grandkids fo	Categ
08	R8RICCARE	r8riccare:w8 r receives informal care from kids/grandkids fo	Categ
09	R9RICCARE	r9riccare:w9 r receives informal care from kids/grandkids fo	Categ
10	R10RICCARE	r10riccare:w10 r receives informal care from kids/grandkids	Categ
11	R11RICCARE	r11riccare:w11 r receives informal care from kids/grandkids	Categ
12	R12RICCARE	r12riccare:w12 r receives informal care from kids/grandkids	Categ
13	R13RICCARE	r13riccare:w13 r receives informal care from kids/grandkids	Categ
14	R14RICCARE	r14riccare:w14 r receives informal care from kids/grandkids	Categ
15	R15RICCARE	r15riccare:w15 r receives informal care from kids/grandkids	Categ
02	S2RICCARE	s2riccare:w2 s receives informal care from kids/grandkids fo	Categ
03	S3RICCARE	s3riccare:w3 s receives informal care from kids/grandkids fo	Categ
04	S4RICCARE	s4riccare:w4 s receives informal care from kids/grandkids fo	Categ
05	S5RICCARE	s5riccare:w5 s receives informal care from kids/grandkids fo	Categ
06	S6RICCARE	s6riccare:w6 s receives informal care from kids/grandkids fo	Categ
07	S7RICCARE	s7riccare:w7 s receives informal care from kids/grandkids fo	Categ
08	S8RICCARE	s8riccare:w8 s receives informal care from kids/grandkids fo	Categ
09	S9RICCARE	s9riccare:w9 s receives informal care from kids/grandkids fo	Categ
10	S10RICCARE	s10riccare:w10 s receives informal care from kids/grandkids	Categ
11	S11RICCARE	s11riccare:w11 s receives informal care from kids/grandkids	Categ
12	S12RICCARE	s12riccare:w12 s receives informal care from kids/grandkids	Categ
13	S13RICCARE	s13riccare:w13 s receives informal care from kids/grandkids	Categ
14	S14RICCARE	s14riccare:w14 s receives informal care from kids/grandkids	Categ
15	S15RICCARE	s15riccare:w15 s receives informal care from kids/grandkids	Categ
02	R2RICCAREN	r2riccaren:w2 # kids/grandkids who help r with iadls	Cont
03	R3RICCAREN	r3riccaren:w3 # kids/grandkids who help r with iadls	Cont
04	R4RICCAREN	r4riccaren:w4 # kids/grandkids who help r with iadls	Cont
05	R5RICCAREN	r5riccaren:w5 # kids/grandkids who help r with iadls	Cont
06	R6RICCAREN	r6riccaren:w6 # kids/grandkids who help r with iadls	Cont
07	R7RICCAREN	r7riccaren:w7 # kids/grandkids who help r with iadls	Cont
08	R8RICCAREN	r8riccaren:w8 # kids/grandkids who help r with iadls	Cont
09	R9RICCAREN	r9riccaren:w9 # kids/grandkids who help r with iadls	Cont
10	R10RICCAREN	r10riccaren:w10 # kids/grandkids who help r with iadls	Cont
11	R11RICCAREN	r11riccaren:w11 # kids/grandkids who help r with iadls	Cont
12	R12RICCAREN	r12riccaren:w12 # kids/grandkids who help r with iadls	Cont
13	R13RICCAREN	r13riccaren:w13 # kids/grandkids who help r with iadls	Cont
14	R14RICCAREN	r14riccaren:w14 # kids/grandkids who help r with iadls	Cont
15	R15RICCAREN	r15riccaren:w15 # kids/grandkids who help r with iadls	Cont
02	S2RICCAREN	s2riccaren:w2 # kids/grandkids who help s with iadls	Cont
03	S3RICCAREN	s3riccaren:w3 # kids/grandkids who help s with iadls	Cont
04	S4RICCAREN	s4riccaren:w4 # kids/grandkids who help s with iadls	Cont
05	S5RICCAREN	s5riccaren:w5 # kids/grandkids who help s with iadls	Cont
06	S6RICCAREN	s6riccaren:w6 # kids/grandkids who help s with iadls	Cont
07	S7RICCAREN	s7riccaren:w7 # kids/grandkids who help s with iadls	Cont
08	S8RICCAREN	s8riccaren:w8 # kids/grandkids who help s with iadls	Cont
09	S9RICCAREN	s9riccaren:w9 # kids/grandkids who help s with iadls	Cont
10	S10RICCAREN	s10riccaren:w10 # kids/grandkids who help s with iadls	Cont
11	S11RICCAREN	s11riccaren:w11 # kids/grandkids who help s with iadls	Cont
12	S12RICCAREN	s12riccaren:w12 # kids/grandkids who help s with iadls	Cont
13	S13RICCAREN	s13riccaren:w13 # kids/grandkids who help s with iadls	Cont

14	S14RICCAREN	s14riccaren:w14 # kids/grandkids who help s with iadls	Cont
15	S15RICCAREN	s15riccaren:w15 # kids/grandkids who help s with iadls	Cont
03	R3RICCAREDPM	r3riccaredpm:w3 days/month kids/grandkids help r with iadls	Cont
04	R4RICCAREDPM	r4riccaredpm:w4 days/month kids/grandkids help r with iadls	Cont
05	R5RICCAREDPM	r5riccaredpm:w5 days/month kids/grandkids help r with iadls	Cont
06	R6RICCAREDPM	r6riccaredpm:w6 days/month kids/grandkids help r with iadls	Cont
07	R7RICCAREDPM	r7riccaredpm:w7 days/month kids/grandkids help r with iadls	Cont
08	R8RICCAREDPM	r8riccaredpm:w8 days/month kids/grandkids help r with iadls	Cont
09	R9RICCAREDPM	r9riccaredpm:w9 days/month kids/grandkids help r with iadls	Cont
10	R10RICCAREDPM	r10riccaredpm:w10 days/month kids/grandkids help r with iadl	Cont
11	R11RICCAREDPM	r11riccaredpm:w11 days/month kids/grandkids help r with iadl	Cont
12	R12RICCAREDPM	r12riccaredpm:w12 days/month kids/grandkids help r with iadl	Cont
13	R13RICCAREDPM	r13riccaredpm:w13 days/month kids/grandkids help r with iadl	Cont
14	R14RICCAREDPM	r14riccaredpm:w14 days/month kids/grandkids help r with iadl	Cont
15	R15RICCAREDPM	r15riccaredpm:w15 days/month kids/grandkids help r with iadl	Cont
03	S3RICCAREDPM	s3riccaredpm:w3 days/month kids/grandkids help s with iadls	Cont
04	S4RICCAREDPM	s4riccaredpm:w4 days/month kids/grandkids help s with iadls	Cont
05	S5RICCAREDPM	s5riccaredpm:w5 days/month kids/grandkids help s with iadls	Cont
06	S6RICCAREDPM	s6riccaredpm:w6 days/month kids/grandkids help s with iadls	Cont
07	S7RICCAREDPM	s7riccaredpm:w7 days/month kids/grandkids help s with iadls	Cont
08	S8RICCAREDPM	s8riccaredpm:w8 days/month kids/grandkids help s with iadls	Cont
09	S9RICCAREDPM	s9riccaredpm:w9 days/month kids/grandkids help s with iadls	Cont
10	S10RICCAREDPM	s10riccaredpm:w10 days/month kids/grandkids help s with iadl	Cont
11	S11RICCAREDPM	s11riccaredpm:w11 days/month kids/grandkids help s with iadl	Cont
12	S12RICCAREDPM	s12riccaredpm:w12 days/month kids/grandkids help s with iadl	Cont
13	S13RICCAREDPM	s13riccaredpm:w13 days/month kids/grandkids help s with iadl	Cont
14	S14RICCAREDPM	s14riccaredpm:w14 days/month kids/grandkids help s with iadl	Cont
15	S15RICCAREDPM	s15riccaredpm:w15 days/month kids/grandkids help s with iadl	Cont
03	R3RICCAREDPMM	r3riccaredpmm:w3 r # kids/grandkids missing days of help for	Cont
04	R4RICCAREDPMM	r4riccaredpmm:w4 r # kids/grandkids missing days of help for	Cont
05	R5RICCAREDPMM	r5riccaredpmm:w5 r # kids/grandkids missing days of help for	Cont
06	R6RICCAREDPMM	r6riccaredpmm:w6 r # kids/grandkids missing days of help for	Cont
07	R7RICCAREDPMM	r7riccaredpmm:w7 r # kids/grandkids missing days of help for	Cont
08	R8RICCAREDPMM	r8riccaredpmm:w8 r # kids/grandkids missing days of help for	Cont
09	R9RICCAREDPMM	r9riccaredpmm:w9 r # kids/grandkids missing days of help for	Cont
10	R10RICCAREDPMM	r10riccaredpmm:w10 r # kids/grandkids missing days of help f	Cont
11	R11RICCAREDPMM	r11riccaredpmm:w11 r # kids/grandkids missing days of help f	Cont
12	R12RICCAREDPMM	r12riccaredpmm:w12 r # kids/grandkids missing days of help f	Cont
13	R13RICCAREDPMM	r13riccaredpmm:w13 r # kids/grandkids missing days of help f	Cont
14	R14RICCAREDPMM	r14riccaredpmm:w14 r # kids/grandkids missing days of help f	Cont
15	R15RICCAREDPMM	r15riccaredpmm:w15 r # kids/grandkids missing days of help f	Cont
03	S3RICCAREDPMM	s3riccaredpmm:w3 s # kids/grandkids missing days of help for	Cont
04	S4RICCAREDPMM	s4riccaredpmm:w4 s # kids/grandkids missing days of help for	Cont
05	S5RICCAREDPMM	s5riccaredpmm:w5 s # kids/grandkids missing days of help for	Cont
06	S6RICCAREDPMM	s6riccaredpmm:w6 s # kids/grandkids missing days of help for	Cont
07	S7RICCAREDPMM	s7riccaredpmm:w7 s # kids/grandkids missing days of help for	Cont
08	S8RICCAREDPMM	s8riccaredpmm:w8 s # kids/grandkids missing days of help for	Cont
09	S9RICCAREDPMM	s9riccaredpmm:w9 s # kids/grandkids missing days of help for	Cont
10	S10RICCAREDPMM	s10riccaredpmm:w10 s # kids/grandkids missing days of help f	Cont
11	S11RICCAREDPMM	s11riccaredpmm:w11 s # kids/grandkids missing days of help f	Cont
12	S12RICCAREDPMM	s12riccaredpmm:w12 s # kids/grandkids missing days of help f	Cont
13	S13RICCAREDPMM	s13riccaredpmm:w13 s # kids/grandkids missing days of help f	Cont
14	S14RICCAREDPMM	s14riccaredpmm:w14 s # kids/grandkids missing days of help f	Cont
15	S15RICCAREDPMM	s15riccaredpmm:w15 s # kids/grandkids missing days of help f	Cont
02	R2RICCAREHR	r2riccarehr:w2 hours/day kids/grandkids help r with iadls	Cont
03	R3RICCAREHR	r3riccarehr:w3 hours/day kids/grandkids help r with iadls	Cont
04	R4RICCAREHR	r4riccarehr:w4 hours/day kids/grandkids help r with iadls	Cont
05	R5RICCAREHR	r5riccarehr:w5 hours/day kids/grandkids help r with iadls	Cont

06	R6RICCAREHR	r6riccarehr:w6 hours/day kids/grandkids help r with iadls	Cont
07	R7RICCAREHR	r7riccarehr:w7 hours/day kids/grandkids help r with iadls	Cont
08	R8RICCAREHR	r8riccarehr:w8 hours/day kids/grandkids help r with iadls	Cont
09	R9RICCAREHR	r9riccarehr:w9 hours/day kids/grandkids help r with iadls	Cont
10	R10RICCAREHR	r10riccarehr:w10 hours/day kids/grandkids help r with iadls	Cont
11	R11RICCAREHR	r11riccarehr:w11 hours/day kids/grandkids help r with iadls	Cont
12	R12RICCAREHR	r12riccarehr:w12 hours/day kids/grandkids help r with iadls	Cont
13	R13RICCAREHR	r13riccarehr:w13 hours/day kids/grandkids help r with iadls	Cont
14	R14RICCAREHR	r14riccarehr:w14 hours/day kids/grandkids help r with iadls	Cont
15	R15RICCAREHR	r15riccarehr:w15 hours/day kids/grandkids help r with iadls	Cont
02	S2RICCAREHR	s2riccarehr:w2 hours/day kids/grandkids help s with iadls	Cont
03	S3RICCAREHR	s3riccarehr:w3 hours/day kids/grandkids help s with iadls	Cont
04	S4RICCAREHR	s4riccarehr:w4 hours/day kids/grandkids help s with iadls	Cont
05	S5RICCAREHR	s5riccarehr:w5 hours/day kids/grandkids help s with iadls	Cont
06	S6RICCAREHR	s6riccarehr:w6 hours/day kids/grandkids help s with iadls	Cont
07	S7RICCAREHR	s7riccarehr:w7 hours/day kids/grandkids help s with iadls	Cont
08	S8RICCAREHR	s8riccarehr:w8 hours/day kids/grandkids help s with iadls	Cont
09	S9RICCAREHR	s9riccarehr:w9 hours/day kids/grandkids help s with iadls	Cont
10	S10RICCAREHR	s10riccarehr:w10 hours/day kids/grandkids help s with iadls	Cont
11	S11RICCAREHR	s11riccarehr:w11 hours/day kids/grandkids help s with iadls	Cont
12	S12RICCAREHR	s12riccarehr:w12 hours/day kids/grandkids help s with iadls	Cont
13	S13RICCAREHR	s13riccarehr:w13 hours/day kids/grandkids help s with iadls	Cont
14	S14RICCAREHR	s14riccarehr:w14 hours/day kids/grandkids help s with iadls	Cont
15	S15RICCAREHR	s15riccarehr:w15 hours/day kids/grandkids help s with iadls	Cont
02	R2RICCAREHRM	r2riccarehrm:w2 r # kids/grandkids missing hours of help for	Cont
03	R3RICCAREHRM	r3riccarehrm:w3 r # kids/grandkids missing hours of help for	Cont
04	R4RICCAREHRM	r4riccarehrm:w4 r # kids/grandkids missing hours of help for	Cont
05	R5RICCAREHRM	r5riccarehrm:w5 r # kids/grandkids missing hours of help for	Cont
06	R6RICCAREHRM	r6riccarehrm:w6 r # kids/grandkids missing hours of help for	Cont
07	R7RICCAREHRM	r7riccarehrm:w7 r # kids/grandkids missing hours of help for	Cont
08	R8RICCAREHRM	r8riccarehrm:w8 r # kids/grandkids missing hours of help for	Cont
09	R9RICCAREHRM	r9riccarehrm:w9 r # kids/grandkids missing hours of help for	Cont
10	R10RICCAREHRM	r10riccarehrm:w10 r # kids/grandkids missing hours of help f	Cont
11	R11RICCAREHRM	r11riccarehrm:w11 r # kids/grandkids missing hours of help f	Cont
12	R12RICCAREHRM	r12riccarehrm:w12 r # kids/grandkids missing hours of help f	Cont
13	R13RICCAREHRM	r13riccarehrm:w13 r # kids/grandkids missing hours of help f	Cont
14	R14RICCAREHRM	r14riccarehrm:w14 r # kids/grandkids missing hours of help f	Cont
15	R15RICCAREHRM	r15riccarehrm:w15 r # kids/grandkids missing hours of help f	Cont
02	S2RICCAREHRM	s2riccarehrm:w2 s # kids/grandkids missing hours of help for	Cont
03	S3RICCAREHRM	s3riccarehrm:w3 s # kids/grandkids missing hours of help for	Cont
04	S4RICCAREHRM	s4riccarehrm:w4 s # kids/grandkids missing hours of help for	Cont
05	S5RICCAREHRM	s5riccarehrm:w5 s # kids/grandkids missing hours of help for	Cont
06	S6RICCAREHRM	s6riccarehrm:w6 s # kids/grandkids missing hours of help for	Cont
07	S7RICCAREHRM	s7riccarehrm:w7 s # kids/grandkids missing hours of help for	Cont
08	S8RICCAREHRM	s8riccarehrm:w8 s # kids/grandkids missing hours of help for	Cont
09	S9RICCAREHRM	s9riccarehrm:w9 s # kids/grandkids missing hours of help for	Cont
10	S10RICCAREHRM	s10riccarehrm:w10 s # kids/grandkids missing hours of help f	Cont
11	S11RICCAREHRM	s11riccarehrm:w11 s # kids/grandkids missing hours of help f	Cont
12	S12RICCAREHRM	s12riccarehrm:w12 s # kids/grandkids missing hours of help f	Cont
13	S13RICCAREHRM	s13riccarehrm:w13 s # kids/grandkids missing hours of help f	Cont
14	S14RICCAREHRM	s14riccarehrm:w14 s # kids/grandkids missing hours of help f	Cont
15	S15RICCAREHRM	s15riccarehrm:w15 s # kids/grandkids missing hours of help f	Cont
02	R2RICCAREPD	r2riccarepd:w2 any kids/grandkids paid for care given to r f	Categ
03	R3RICCAREPD	r3riccarepd:w3 any kids/grandkids paid for care given to r f	Categ
04	R4RICCAREPD	r4riccarepd:w4 any kids/grandkids paid for care given to r f	Categ
05	R5RICCAREPD	r5riccarepd:w5 any kids/grandkids paid for care given to r f	Categ
06	R6RICCAREPD	r6riccarepd:w6 any kids/grandkids paid for care given to r f	Categ
07	R7RICCAREPD	r7riccarepd:w7 any kids/grandkids paid for care given to r f	Categ
08	R8RICCAREPD	r8riccarepd:w8 any kids/grandkids paid for care given to r f	Categ

09	R9RICCAREPD	r9riccarepd:w9 any kids/grandkids paid for care given to r f	Categ
10	R10RICCAREPD	r10riccarepd:w10 any kids/grandkids paid for care given to r	Categ
11	R11RICCAREPD	r11riccarepd:w11 any kids/grandkids paid for care given to r	Categ
12	R12RICCAREPD	r12riccarepd:w12 any kids/grandkids paid for care given to r	Categ
13	R13RICCAREPD	r13riccarepd:w13 any kids/grandkids paid for care given to r	Categ
14	R14RICCAREPD	r14riccarepd:w14 any kids/grandkids paid for care given to r	Categ
15	R15RICCAREPD	r15riccarepd:w15 any kids/grandkids paid for care given to r	Categ
02	S2RICCAREPD	s2riccarepd:w2 any kids/grandkids paid for care given to s f	Categ
03	S3RICCAREPD	s3riccarepd:w3 any kids/grandkids paid for care given to s f	Categ
04	S4RICCAREPD	s4riccarepd:w4 any kids/grandkids paid for care given to s f	Categ
05	S5RICCAREPD	s5riccarepd:w5 any kids/grandkids paid for care given to s f	Categ
06	S6RICCAREPD	s6riccarepd:w6 any kids/grandkids paid for care given to s f	Categ
07	S7RICCAREPD	s7riccarepd:w7 any kids/grandkids paid for care given to s f	Categ
08	S8RICCAREPD	s8riccarepd:w8 any kids/grandkids paid for care given to s f	Categ
09	S9RICCAREPD	s9riccarepd:w9 any kids/grandkids paid for care given to s f	Categ
10	S10RICCAREPD	s10riccarepd:w10 any kids/grandkids paid for care given to s	Categ
11	S11RICCAREPD	s11riccarepd:w11 any kids/grandkids paid for care given to s	Categ
12	S12RICCAREPD	s12riccarepd:w12 any kids/grandkids paid for care given to s	Categ
13	S13RICCAREPD	s13riccarepd:w13 any kids/grandkids paid for care given to s	Categ
14	S14RICCAREPD	s14riccarepd:w14 any kids/grandkids paid for care given to s	Categ
15	S15RICCAREPD	s15riccarepd:w15 any kids/grandkids paid for care given to s	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RICCARE	2232	0.41	0.49	0.00	1.00
R3RICCARE	2256	0.49	0.50	0.00	1.00
R4RICCARE	2578	0.52	0.50	0.00	1.00
R5RICCARE	2356	0.51	0.50	0.00	1.00
R6RICCARE	2354	0.53	0.50	0.00	1.00
R7RICCARE	2496	0.51	0.50	0.00	1.00
R8RICCARE	2436	0.52	0.50	0.00	1.00
R9RICCARE	2249	0.54	0.50	0.00	1.00
R10RICCARE	2935	0.54	0.50	0.00	1.00
R11RICCARE	2782	0.54	0.50	0.00	1.00
R12RICCARE	2653	0.57	0.50	0.00	1.00
R13RICCARE	2737	0.57	0.50	0.00	1.00
R14RICCARE	2181	0.53	0.50	0.00	1.00
R15RICCARE	1931	0.55	0.50	0.00	1.00
S2RICCARE	1070	0.19	0.39	0.00	1.00
S3RICCARE	1050	0.28	0.45	0.00	1.00
S4RICCARE	1224	0.32	0.47	0.00	1.00
S5RICCARE	1085	0.28	0.45	0.00	1.00
S6RICCARE	1028	0.28	0.45	0.00	1.00
S7RICCARE	1156	0.28	0.45	0.00	1.00
S8RICCARE	1107	0.27	0.45	0.00	1.00
S9RICCARE	964	0.28	0.45	0.00	1.00
S10RICCARE	1369	0.32	0.47	0.00	1.00
S11RICCARE	1277	0.32	0.47	0.00	1.00
S12RICCARE	1196	0.35	0.48	0.00	1.00
S13RICCARE	1209	0.36	0.48	0.00	1.00
S14RICCARE	953	0.32	0.47	0.00	1.00
S15RICCARE	810	0.34	0.48	0.00	1.00
R2RICCAREN	2232	0.52	0.69	0.00	3.00
R3RICCAREN	2256	0.72	0.92	0.00	6.00
R4RICCAREN	2578	0.92	1.13	0.00	7.00
R5RICCAREN	2356	0.88	1.14	0.00	14.00
R6RICCAREN	2354	0.75	0.90	0.00	6.00
R7RICCAREN	2496	0.73	0.90	0.00	6.00

R8RICCAREN	2436	0.75	0.89	0.00	6.00
R9RICCAREN	2249	0.77	0.91	0.00	6.00
R10RICCAREN	2935	0.83	0.97	0.00	6.00
R11RICCAREN	2782	0.83	0.97	0.00	6.00
R12RICCAREN	2653	0.89	0.99	0.00	6.00
R13RICCAREN	2737	0.86	0.96	0.00	6.00
R14RICCAREN	2181	0.81	0.96	0.00	6.00
R15RICCAREN	1931	0.83	0.97	0.00	6.00
S2RICCAREN	1070	0.23	0.51	0.00	3.00
S3RICCAREN	1050	0.43	0.83	0.00	6.00
S4RICCAREN	1224	0.55	0.97	0.00	7.00
S5RICCAREN	1085	0.45	0.85	0.00	5.00
S6RICCAREN	1028	0.38	0.72	0.00	4.00
S7RICCAREN	1156	0.39	0.73	0.00	6.00
S8RICCAREN	1107	0.38	0.74	0.00	5.00
S9RICCAREN	964	0.37	0.68	0.00	5.00
S10RICCAREN	1369	0.48	0.83	0.00	5.00
S11RICCAREN	1277	0.48	0.83	0.00	5.00
S12RICCAREN	1196	0.54	0.89	0.00	6.00
S13RICCAREN	1209	0.54	0.85	0.00	5.00
S14RICCAREN	953	0.47	0.81	0.00	5.00
S15RICCAREN	810	0.51	0.90	0.00	6.00
R3RICCAREDPM	2247	12.16	19.52	0.00	146.00
R4RICCAREDPM	2507	13.15	20.64	0.00	186.00
R5RICCAREDPM	2296	12.59	21.38	0.00	420.00
R6RICCAREDPM	2320	11.26	18.06	0.00	136.00
R7RICCAREDPM	2463	10.64	17.32	0.00	125.00
R8RICCAREDPM	2405	11.24	18.04	0.00	132.00
R9RICCAREDPM	2229	11.22	17.76	0.00	124.00
R10RICCAREDPM	2906	11.26	17.69	0.00	135.00
R11RICCAREDPM	2752	11.92	18.61	0.00	155.00
R12RICCAREDPM	2617	11.77	17.99	0.00	124.00
R13RICCAREDPM	2693	11.48	17.37	0.00	124.00
R14RICCAREDPM	2150	10.79	16.89	0.00	115.00
R15RICCAREDPM	1900	10.92	17.25	0.00	136.00
S3RICCAREDPM	1047	6.33	15.40	0.00	124.00
S4RICCAREDPM	1201	7.17	15.56	0.00	124.00
S5RICCAREDPM	1067	6.07	13.40	0.00	92.00
S6RICCAREDPM	1024	5.10	13.25	0.00	120.00
S7RICCAREDPM	1151	4.66	11.47	0.00	65.00
S8RICCAREDPM	1104	5.24	12.74	0.00	93.00
S9RICCAREDPM	962	4.72	11.94	0.00	124.00
S10RICCAREDPM	1365	5.74	13.57	0.00	124.00
S11RICCAREDPM	1270	6.14	13.66	0.00	93.00
S12RICCAREDPM	1191	6.17	13.30	0.00	96.00
S13RICCAREDPM	1197	6.34	13.18	0.00	120.00
S14RICCAREDPM	944	5.63	13.15	0.00	108.00
S15RICCAREDPM	805	5.90	13.45	0.00	136.00
R3RICCAREDPMM	2256	0.01	0.11	0.00	2.00
R4RICCAREDPMM	2578	0.03	0.24	0.00	6.00
R5RICCAREDPMM	2356	0.02	0.17	0.00	2.00
R6RICCAREDPMM	2354	0.02	0.15	0.00	2.00
R7RICCAREDPMM	2496	0.02	0.18	0.00	4.00
R8RICCAREDPMM	2436	0.02	0.14	0.00	2.00
R9RICCAREDPMM	2249	0.02	0.17	0.00	3.00
R10RICCAREDPMM	2935	0.02	0.15	0.00	2.00
R11RICCAREDPMM	2782	0.02	0.16	0.00	3.00
R12RICCAREDPMM	2653	0.03	0.18	0.00	3.00
R13RICCAREDPMM	2737	0.03	0.18	0.00	3.00

R14RICCAREDPMM	2181	0.02	0.19	0.00	4.00
R15RICCAREDPMM	1931	0.03	0.19	0.00	3.00
S3RICCAREDPMM	1050	0.00	0.05	0.00	1.00
S4RICCAREDPMM	1224	0.02	0.28	0.00	6.00
S5RICCAREDPMM	1085	0.01	0.12	0.00	2.00
S6RICCAREDPMM	1028	0.01	0.09	0.00	2.00
S7RICCAREDPMM	1156	0.01	0.08	0.00	1.00
S8RICCAREDPMM	1107	0.01	0.07	0.00	1.00
S9RICCAREDPMM	964	0.00	0.06	0.00	1.00
S10RICCAREDPMM	1369	0.01	0.09	0.00	2.00
S11RICCAREDPMM	1277	0.01	0.13	0.00	2.00
S12RICCAREDPMM	1196	0.01	0.13	0.00	3.00
S13RICCAREDPMM	1209	0.02	0.16	0.00	3.00
S14RICCAREDPMM	953	0.01	0.13	0.00	2.00
S15RICCAREDPMM	810	0.01	0.13	0.00	2.00
R2RICCAREHR	2079	1.67	4.32	0.00	56.00
R3RICCAREHR	2202	2.73	6.00	0.00	64.00
R4RICCAREHR	2474	3.18	7.13	0.00	97.00
R5RICCAREHR	2270	2.83	6.21	0.00	96.00
R6RICCAREHR	2246	2.79	6.51	0.00	128.00
R7RICCAREHR	2374	2.64	5.59	0.00	71.00
R8RICCAREHR	2333	2.70	5.89	0.00	96.00
R9RICCAREHR	2148	2.79	5.86	0.00	80.00
R10RICCAREHR	2824	2.84	5.72	0.00	68.00
R11RICCAREHR	2668	2.86	5.86	0.00	60.00
R12RICCAREHR	2523	2.89	5.60	0.00	54.00
R13RICCAREHR	2599	2.96	5.97	0.00	72.00
R14RICCAREHR	2086	2.91	5.79	0.00	72.00
R15RICCAREHR	1840	2.86	5.92	0.00	48.00
S2RICCAREHR	1030	0.67	2.55	0.00	27.00
S3RICCAREHR	1040	1.35	4.33	0.00	64.00
S4RICCAREHR	1195	1.71	4.59	0.00	49.00
S5RICCAREHR	1060	1.23	3.15	0.00	29.00
S6RICCAREHR	1006	1.22	3.79	0.00	40.00
S7RICCAREHR	1133	1.38	4.09	0.00	48.00
S8RICCAREHR	1083	1.17	4.21	0.00	96.00
S9RICCAREHR	937	1.11	3.32	0.00	48.00
S10RICCAREHR	1349	1.46	4.00	0.00	50.00
S11RICCAREHR	1249	1.43	3.83	0.00	42.00
S12RICCAREHR	1165	1.59	4.21	0.00	54.00
S13RICCAREHR	1164	1.44	3.52	0.00	40.00
S14RICCAREHR	929	1.38	3.34	0.00	24.00
S15RICCAREHR	794	1.44	3.74	0.00	36.00
R2RICCAREHRM	2232	0.11	0.34	0.00	2.00
R3RICCAREHRM	2256	0.04	0.27	0.00	4.00
R4RICCAREHRM	2578	0.10	0.40	0.00	7.00
R5RICCAREHRM	2356	0.09	0.35	0.00	3.00
R6RICCAREHRM	2354	0.08	0.34	0.00	6.00
R7RICCAREHRM	2496	0.10	0.38	0.00	4.00
R8RICCAREHRM	2436	0.08	0.31	0.00	4.00
R9RICCAREHRM	2249	0.09	0.35	0.00	4.00
R10RICCAREHRM	2935	0.09	0.34	0.00	4.00
R11RICCAREHRM	2782	0.09	0.35	0.00	5.00
R12RICCAREHRM	2653	0.11	0.39	0.00	4.00
R13RICCAREHRM	2737	0.11	0.37	0.00	5.00
R14RICCAREHRM	2181	0.09	0.37	0.00	5.00
R15RICCAREHRM	1931	0.10	0.38	0.00	4.00
S2RICCAREHRM	1070	0.05	0.24	0.00	2.00



S3RICCAREHRM	1050	0.03	0.25	0.00	4.00
S4RICCAREHRM	1224	0.07	0.37	0.00	7.00
S5RICCAREHRM	1085	0.06	0.30	0.00	3.00
S6RICCAREHRM	1028	0.04	0.22	0.00	2.00
S7RICCAREHRM	1156	0.04	0.24	0.00	3.00
S8RICCAREHRM	1107	0.04	0.23	0.00	4.00
S9RICCAREHRM	964	0.04	0.22	0.00	2.00
S10RICCAREHRM	1369	0.03	0.21	0.00	2.00
S11RICCAREHRM	1277	0.04	0.24	0.00	3.00
S12RICCAREHRM	1196	0.06	0.30	0.00	4.00
S13RICCAREHRM	1209	0.08	0.34	0.00	5.00
S14RICCAREHRM	953	0.05	0.25	0.00	3.00
S15RICCAREHRM	810	0.04	0.26	0.00	4.00
R2RICCAREPD	2108	0.02	0.13	0.00	1.00
R3RICCAREPD	2237	0.02	0.13	0.00	1.00
R4RICCAREPD	2518	0.02	0.15	0.00	1.00
R5RICCAREPD	2316	0.02	0.15	0.00	1.00
R6RICCAREPD	2313	0.03	0.16	0.00	1.00
R7RICCAREPD	2456	0.03	0.17	0.00	1.00
R8RICCAREPD	2394	0.03	0.16	0.00	1.00
R9RICCAREPD	2208	0.04	0.18	0.00	1.00
R10RICCAREPD	2892	0.04	0.20	0.00	1.00
R11RICCAREPD	2726	0.05	0.21	0.00	1.00
R12RICCAREPD	2594	0.05	0.22	0.00	1.00
R13RICCAREPD	2685	0.06	0.24	0.00	1.00
R14RICCAREPD	2134	0.06	0.23	0.00	1.00
R15RICCAREPD	1898	0.06	0.23	0.00	1.00
S2RICCAREPD	1032	0.01	0.09	0.00	1.00
S3RICCAREPD	1043	0.02	0.12	0.00	1.00
S4RICCAREPD	1205	0.02	0.13	0.00	1.00
S5RICCAREPD	1071	0.02	0.13	0.00	1.00
S6RICCAREPD	1018	0.02	0.15	0.00	1.00
S7RICCAREPD	1147	0.03	0.17	0.00	1.00
S8RICCAREPD	1095	0.01	0.12	0.00	1.00
S9RICCAREPD	948	0.02	0.14	0.00	1.00
S10RICCAREPD	1356	0.03	0.16	0.00	1.00
S11RICCAREPD	1259	0.03	0.18	0.00	1.00
S12RICCAREPD	1179	0.04	0.21	0.00	1.00
S13RICCAREPD	1187	0.05	0.21	0.00	1.00
S14RICCAREPD	939	0.04	0.18	0.00	1.00
S15RICCAREPD	803	0.04	0.20	0.00	1.00

### Categorical Variable Codes

Value-----	R2RICCARE	R3RICCARE	R4RICCARE	R5RICCARE	
.d:DK	27	5	1	3	
.h:no help received		494	578	522	
.m:Missing	1	48	34	29	
.q:not asked this wave	11595				
.r:Refuse			1	1	
.x:no difficulties	5962	15188	18192	16667	
0.no	1314	1150	1246	1158	
1.yes	918	1106	1332	1198	
Value-----	R6RICCARE	R7RICCARE	R8RICCARE	R9RICCARE	R10RICCARE
.d:DK	3	5		2	6
.h:no help received	476	566	531	537	828
.m:Missing	11	14	9	13	139
.r:Refuse	3	1		1	4
.x:no difficulties	15318	17047	15493	14415	18122
0.no	1107	1217	1158	1043	1342
1.yes	1247	1279	1278	1206	1593

Value-----	R11RICCARE	R12RICCARE	R13RICCARE	R14RICCARE	R15RICCARE
.d:DK	4	18	13	7	6
.h:no help received	713	740	832	689	543
.m:Missing	19	17	38	33	78
.r:Refuse	4	3	1	3	1
.x:no difficulties	17032	15316	17291	14233	13164
0.no	1272	1148	1176	1020	866
1.yes	1510	1505	1561	1161	1065

Value-----	S2RICCARE	S3RICCARE	S4RICCARE	S5RICCARE
.d:DK	7	2		
.h:no help received		248	291	250
.m:Missing	1	16	7	8
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3272	10600	12456	11387
0.no	866	753	834	776
1.yes	204	297	390	309

Value-----	S6RICCARE	S7RICCARE	S8RICCARE	S9RICCARE	S10RICCARE
.d:DK	1	3			
.h:no help received	219	257	259	252	355
.m:Missing	3	1	2	4	83
.r:Refuse	1				2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10380	11551	10360	9420	11699
0.no	745	834	805	692	927
1.yes	283	322	302	272	442

Value-----	S11RICCARE	S12RICCARE	S13RICCARE	S14RICCARE	S15RICCARE
.d:DK	1	4	5	1	1
.h:no help received	318	295	284	248	198
.m:Missing	5	4	8	8	12
.r:Refuse	1			2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10874	9513	10272	8146	7444
0.no	868	776	768	649	532
1.yes	409	420	441	304	278

Value-----	R2RICCAREPD	R3RICCAREPD	R4RICCAREPD	R5RICCAREPD
.d:DK	27	7	3	4
.h:no help received		494	578	522
.m:Missing	3	65	90	68
.q:not asked this wave	11595			
.r:Refuse			3	1
.w:less than weekly help	122			
.x:no difficulties	5962	15188	18192	16667
0.no	2073	2199	2457	2266
1.yes	35	38	61	50

Value-----	R6RICCAREPD	R7RICCAREPD	R8RICCAREPD	R9RICCAREPD	R10RICCAREPD
.d:DK	3	6	2	3	8
.h:no help received	476	566	531	537	828
.m:Missing	52	53	49	52	179
.r:Refuse	3	1		2	5
.x:no difficulties	15318	17047	15493	14415	18122
0.no	2252	2381	2333	2130	2765
1.yes	61	75	61	78	127

Value-----	R11RICCAREPD	R12RICCAREPD	R13RICCAREPD	R14RICCAREPD	R15RICCAREPD
.d:DK	10	24	15	10	8
.h:no help received	713	740	832	689	543
.m:Missing	68	69	87	76	109
.r:Refuse	5	4	2	4	1
.x:no difficulties	17032	15316	17291	14233	13164
0.no	2596	2464	2523	2013	1787
1.yes	130	130	162	121	111

Value-----	S2RICCAREPD	S3RICCAREPD	S4RICCAREPD	S5RICCAREPD
.d:DK	7	2		
.h:no help received		248	291	250
.m:Missing	1	23	24	22
.q:not asked this wave	8738			

.r:Refuse				2	
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.w:less than weekly help		38			
.x:no difficulties		3272	10600	12456	11387
0.no		1023	1027	1183	1052
1.yes		9	16	22	19
Value-----	S6RICCAREPD	S7RICCAREPD	S8RICCAREPD	S9RICCAREPD	S10RICCAREPD
.d:DK	1	4			
.h:no help received	219	257	259	252	355
.m:Missing	13	9	14	20	96
.r:Refuse	1				2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10380	11551	10360	9420	11699
0.no	993	1114	1079	929	1320
1.yes	25	33	16	19	36
Value-----	S11RICCAREPD	S12RICCAREPD	S13RICCAREPD	S14RICCAREPD	S15RICCAREPD
.d:DK	4	4	6	1	1
.h:no help received	318	295	284	248	198
.m:Missing	20	21	29	22	19
.r:Refuse	1			2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10874	9513	10272	8146	7444
0.no	1215	1127	1131	906	770
1.yes	44	52	56	33	33

## How Constructed:

The following variables indicate whether the respondent's children or grandchildren help the respondent with any IADL needs. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any IADL, and are coded as special missing .h if the respondent reports difficulty with an IADL but does not receive any help. Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRICCARE, RwRICCAREN, RwRICCAREDP, RwRICCAREDPMM, RwRICCAREHR, RwRICCAREHRM, and RwRICCAREPD include help from the respondent's child, spouse of child, grandchild, and spouse of grandchild in the AHEAD cohort in Wave 2. These variables include help from the respondent's child, child-in-law, unlisted child or child-in-law, step/partner child, and grandchild in Waves 3 through 5. These variables include help from the respondent's sons, step-sons, spouse/partner of daughters, son-in-laws, daughters, step-daughters, spouse/partner of sons, daughter-in-laws, grandchildren, unlisted children or children-in-law, former step-children, former children-in-law, spouse/partner of grandchildren, ambiguous child relation, and ambiguous child-in-law relation in Waves 6 and onward.

RwRICCARE indicates whether any of the respondent's children or grandchildren help the respondent with IADL needs. RwRICCAREN indicates the number of the respondent's children or grandchildren who help the respondent with IADL needs. RwRICCARE is coded as 0 if none of the respondent's children or grandchildren help the respondent with IADLs, and is coded as 1 if at least one of the respondent's children or grandchildren help the respondent with IADLs. In Wave 2, RwRICCARE and RwRICCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRICCARE and RwRICCAREN are not available in Wave 1.

RwRICCAREDPM indicates the number of total days per month the respondent's children or grandchildren help the respondent with IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRICCAREDPM is the sum of days per month for all children or grandchildren helpers, and so values can be over 31 days. RwRICCAREDPM is calculated as long as there is one non-missing value. RwRICCAREDPMM indicates the number of children or grandchildren who helped the respondent for whom no value of days was reported and was not accounted for in RwRICCAREDPM. RwRICCAREDPMM is assigned special missing .m if the respondent was not helped by any children or grandchildren or prior information was missing. RwRICCAREDPM and RwRICCAREDPMM are not available in Waves 1 and 2.

RwRICCAREHR indicates the number of hours per day the respondent's children or grandchildren help the respondent with IADL needs. Respondents are asked, on days their children or grandchildren help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RwRICCAREHR is the sum of hours per day for all children or grandchildren helpers, and so values can be over 24 hours. RwRICCAREHR is calculated as long as there is one non-missing value. RwRICCAREHRM indicates the number of children or grandchildren who helped the respondent for whom no value of hours was reported and was not accounted for in RwRICCAREHR. RwRICCAREHR is assigned a special missing .w in the AHEAD cohort of Wave 2 if this question is not asked because the respondent's children or grandchildren help less than once per week. RwRICCAREHRM is assigned special missing .m if the respondent was not helped by any children or grandchildren or prior information was missing. In Wave 2, RwRICCAREHR and RwRICCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRICCAREHR and RwRICCAREHRM are not available in Wave 1.

RwRICCAREPD indicates whether any of the respondent's children or grandchildren helpers are paid for the care given to the respondent for IADL needs. RwRICCAREPD is assigned a value of 0 if the respondent receives no care from children or grandchildren, or the respondent does receive care from children or grandchildren and none of them are paid. RwRICCAREPD is assigned a value of 1 if the respondent receives care from children or grandchildren and at least one of them is paid for the care given to the respondent. RwRICCAREPD is assigned a special missing .w in the AHEAD cohort of Wave 2 if this question is not asked because the respondent's children or grandchildren help less than once per week. In Wave 2, RwRICCAREPD is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRICCAREPD is not available in Wave 1.

SwRICCARE, SwRICCAREN, SwRICCAREDPM, SwRICCAREHR, and SwRICCAREPD indicate whether the respondent's current wave's spouse receives help from children or grandchildren, the number, the frequency with which, and whether any are paid, and their values are taken from RwRICCARE, RwRICCAREN, RwRICCAREDPM, RwRICCAREHR, and RwRICCAREPD. SwRICCAREDPMM and SwRICCAREHRM indicate the number of children who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RwRICCAREDPMM and RwRICCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with IADLS at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

Respondents are asked who helps them with IADLS, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RwRICCARE, RwRICCAREN, and RwRICCAREPD are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RwRICCARE, RwRICCAREN, and RwRICCAREPD are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a child or grandchild helps them with IADLs, and were asked how frequently and the number of hours that the child or grandchild provides help. However, the frequency of help is not comparable to other waves and so RWRICCAREDPM and RWRICCAREDPMM are not available in the AHEAD cohort in Wave 2. The number of hours that the child or grandchild helps is comparable, and so RWRICCAREHR and RWRICCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RWRICCAREHR and RWRICCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with IADLs, and are asked about the number of days and number of hours that the respondent's child or grandchild helps the respondent. As such, RWRICCAREDPM and RWRICCAREDPMM are available beginning in Wave 3.

In the AHEAD cohort in Wave 2, respondents are not asked whether the helper is paid if they help less than once per week. Starting in Wave 3, respondents are asked whether the helper is paid regardless of the frequency of the help.

### HRS Variables Used:

#### RAND HRS:

R10MEALSA	r10mealsa:w10	r any diff-prepare hot meal
R10MEDSA	r10medsa:w10	r any diff-take medications
R10MONEYA	r10moneya:w10	r any diff-managing money
R10PHONEA	r10phonea:w10	r any diff-use telephone
R10SHOPA	r10shopa:w10	r any diff-shop for grocery
R11MEALSA	r11mealsa:w11	r any diff-prepare hot meal
R11MEDSA	r11medsa:w11	r any diff-take medications
R11MONEYA	r11moneya:w11	r any diff-managing money
R11PHONEA	r11phonea:w11	r any diff-use telephone
R11SHOPA	r11shopa:w11	r any diff-shop for grocery
R12MEALSA	r12mealsa:w12	r any diff-prepare hot meal
R12MEDSA	r12medsa:w12	r any diff-take medications
R12MONEYA	r12moneya:w12	r any diff-managing money
R12PHONEA	r12phonea:w12	r any diff-use telephone
R12SHOPA	r12shopa:w12	r any diff-shop for grocery
R13MEALSA	r13mealsa:w13	r any diff-prepare hot meal
R13MEDSA	r13medsa:w13	r any diff-take medications
R13MONEYA	r13moneya:w13	r any diff-managing money
R13PHONEA	r13phonea:w13	r any diff-use telephone
R13SHOPA	r13shopa:w13	r any diff-shop for grocery
R14MEALSA	r14mealsa:w14	r any diff-prepare hot meal
R14MEDSA	r14medsa:w14	r any diff-take medications
R14MONEYA	r14moneya:w14	r any diff-managing money
R14PHONEA	r14phonea:w14	r any diff-use telephone
R14SHOPA	r14shopa:w14	r any diff-shop for grocery
R15MEALSA	r15mealsa:w15	r any diff-prepare hot meal
R15MEDSA	r15medsa:w15	r any diff-take medications
R15MONEYA	r15moneya:w15	r any diff-managing money
R15PHONEA	r15phonea:w15	r any diff-use telephone
R15SHOPA	r15shopa:w15	r any diff-shop for grocery
R3MEALSA	r3mealsa:w3	r any diff-prepare hot meal
R3MEDSA	r3medsa:w3	r any diff-take medications
R3MONEYA	r3moneya:w3	r any diff-managing money
R3PHONEA	r3phonea:w3	r any diff-use telephone
R3SHOPA	r3shopa:w3	r any diff-shop for grocery
R4MEALSA	r4mealsa:w4	r any diff-prepare hot meal
R4MEDSA	r4medsa:w4	r any diff-take medications
R4MONEYA	r4moneya:w4	r any diff-managing money
R4PHONEA	r4phonea:w4	r any diff-use telephone
R4SHOPA	r4shopa:w4	r any diff-shop for grocery
R5MEALSA	r5mealsa:w5	r any diff-prepare hot meal
R5MEDSA	r5medsa:w5	r any diff-take medications
R5MONEYA	r5moneya:w5	r any diff-managing money

R5PHONEA	r5phonea:w5 r any diff-use telephone
R5SHOPA	r5shopa:w5 r any diff-shop for grocery
R6MEALSA	r6mealsa:w6 r any diff-prepare hot meal
R6MEDSA	r6medsa:w6 r any diff-take medications
R6MONEYA	r6moneya:w6 r any diff-managing money
R6PHONEA	r6phonea:w6 r any diff-use telephone
R6SHOPA	r6shopa:w6 r any diff-shop for grocery
R7MEALSA	r7mealsa:w7 r any diff-prepare hot meal
R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
Wave 2 AHEAD:	
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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps
Wave 2 AHEAD Helper:	
BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V993	E61. HELPER HOURS PER DAY
V994	E62. HELPER PAID?
Wave 2 AHEAD HHLIST:	
OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R
Wave 2 HRS:	
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D2024	e95c.iadl meals help
D2029	e96c.iadl groc help
D2034	e97c.iadl phone help
D2039	e98c.iadl med help
D2041	e99.iadls-who help,1
D2050	e100.iadls-who help,2
D2055	e101.iadls-who help,3
D2061	e102.iadls-who help,4
D2067	e103.iadls-who help,5
D2073	e104.iadls-who help,6
D2102	e106c.iadl money who help,1
D2107	e107. money help-1
D2115	e107c.iadl money who help,2
D2121	e108. money helper-2
Wave 3 AHEAD Helper:	
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
OPN	OTHER PERSON NUMBER
Wave 3 HRS:	
E2039	e95c.iadl meals help
E2044	e96c.iadl groc help
E2049	e97c.iadl phone help
E2054	e98c.iadl med help
E2056	e99.iadls-who help,1
E2065	e100.iadls-who help,2
E2070	e101.iadls-who help,3
E2076	e102.iadls-who help,4
E2082	e103.iadls-who help,5
E2088	e104.iadls-who help,6
E2096	e106c.iadl money who help,1
E2101	e107. money help-1
E2105	e107c.iadl money who help,2
E2109	e108. money helper-2
Wave 3 HRS Helper:	
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
E2142	E158-2. HELPER-SP OFTEN
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
OPN	OTHER PERSON NUMBER
Wave 4:	
F2502	e83.who help-11
F2516	e84.who help-2
F2525	e85.who help-3
F2529	e86.who help-4
F2533	e87.who help-5
F2537	e88.who help-6
F2541	e89.who help-7
F2565	e95c.iadl meals help
F2570	e96c.iadl groc help
F2575	e97c.iadl phone help
F2580	e98c.iadl med help
F2582	e99.iadls-who help,1
F2591	e100.iadls-who help,2
F2596	e101.iadls-who help,3
F2602	e102.iadls-who help,4
F2608	e103.iadls-who help,5
F2614	e104.iadls-who help,6
F2620	e106c.iadl money who help,1
F2621	e107. money help-1
F2624	e107c.iadl money who help,2
F2625	e108. money helper-2
F517	cs11.r in nursing home
Wave 4 Helper:	
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
F2658	E158-2. HELPER OFTEN

F2659	E158A-2.HELPER PER WEEK
F2660	E158B-2.HELPER EVERY DAY
F2662	E159-2. HELPER HOURS
F2665	E162-2. HELPER PAID
OPN	OTHER PERSON NUMBER
Wave 5:	
G2863	e95c.iadl meals help
G2868	e96c.iadl groc help
G2873	e97c.iadl phone help
G2878	e98c.iadl med help
G2880	e99.iadls-who help-1
G2889	e100.iadls-who help-2
G2894	e101.iadls-who help-3
G2900	e102.iadls-who help-4
G2906	e103.iadls-who help-5
G2912	e104.iadls-who help-6
G2918	e106c.iadl money who help-1
G2919	e107. money help-1
G2922	e107c.iadl money who help-2
G2923	e108. money helper-2
G558	cs11.r in nursing home
Wave 5 Helper:	
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
OPN	OTHER PERSON NUMBER
Wave 6:	
HA028	r in nursing home
HG043	iadl meal preparation help
HG046	iadl groc shop help
HG049	iadl making phone calls help
HG053	iadl taking medications help
HG054_1	iadls- who helps most-1
HG054_2	iadls- who helps- 2
HG054_3	iadls- who helps- 3
HG054_4	iadls- who helps- 4
HG054_5	iadls- who helps- 5
HG054_6	iadls- who helps- 6
HG061	iadl managing money help
HG062_1	who helps manage money-1
HG062_2	who helps manage money-2
Wave 6 Helper:	
HG069	helper relationship
HG070	freq of help given- days in last month
HG071	freq of help given- days per week
HG072	did helper help every dy
HG073	#hrs of help
HG076	helper paid to help
HIADLNDX	iadl helper index
HMNYNDX	money helper index
Wave 7:	
JA028	r in nursing home
JG043	iadl meal preparation help
JG046	iadl groc shop help
JG049	iadl making phone calls help



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JG053      iadl taking medications help
JG054_1    iadls- who helps most-1
JG054_2    iadls- who helps- 2
JG054_3    iadls- who helps- 3
JG054_4    iadls- who helps- 4
JG054_5    iadls- who helps- 5
JG054_6    iadls- who helps- 6
JG061      iadl managing money help
JG062_1    who helps manage money-1
JG062_2    who helps manage money-2

Wave 7 Helper:
JG069      helper relationship
JG070      freq of help given-days last month
JG071      # days helper helped
JG072      did helper help every dy
JG073      #hrs of help
JG076      helper given money to help
JIADLNDX   index connection to the iadl table
JMNYNDX    index connection to the money table

Wave 8:
KA028      r in nursing home
KG043      iadl meal preparation help
KG046      iadl groc shop help
KG049      iadl making phone calls help
KG053      iadl taking medications help
KG054_1    iadls- who helps most-1
KG054_2    iadls- who helps- 2
KG054_3    iadls- who helps- 3
KG054_4    iadls- who helps- 4
KG054_5    iadls- who helps- 5
KG054_6    iadls- who helps- 6
KG061      iadl managing money help
KG062_1    who helps manage money-1
KG062_2    who helps manage money-2

Wave 8 Helper:
KG069      helper relationship
KG070      freq of help given-days last month
KG071      # days helper helped
KG072      did helper help every dy
KG073      #hrs of help
KG076      helper given money to help
KIADLNDX   index connection to the iadl table
KMNYNDX    index connection to the money table

Wave 9:
LA028      r in nursing home
LG043      iadl meal preparation help
LG046      iadl groc shop help
LG049      iadl making phone calls help
LG053      iadl taking medications help
LG054_1    iadls- who helps most-1
LG054_2    iadls- who helps- 2
LG054_3    iadls- who helps- 3
LG054_4    iadls- who helps- 4
LG054_5    iadls- who helps- 5
LG054_6    iadls- who helps- 6
LG061      iadl managing money help
LG062_1    who helps manage money-1
LG062_2    who helps manage money-2

Wave 9 Helper:
LG069      helper relationship
LG070      freq of help given-days last month
LG071      # days helper helped
LG072      did helper help every day
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LG073      #hrs of help
LG076      helper given money to help
LIADLNDX   index connection to the iadl table
LMNYNDX    index connection to the money table

Wave 10:
MA028      r in nursing home
MG043      iadl meal preparation help
MG046      iadl groc shop help
MG049      iadl making phone calls help
MG053      iadl taking medications help
MG054_1    iadls- who helps -1
MG054_2    iadls- who helps- 2
MG054_3    iadls- who helps- 3
MG054_4    iadls- who helps- 4
MG054_5    iadls- who helps- 5
MG054_6    iadls- who helps- 6
MG061      iadl managing money help
MG062_1    who helps manage money-1
MG062_2    who helps manage money-2

Wave 10 Helper:
MG069      helper relationship -1
MG070      freq of help given -1
MG071      # days helper helped -1
MG072      did helper help every dy -1
MG073      #hrs of help -1
MG076      helper given money to help -1
MIADLNDX   index connection to the iadl table
MMNYNDX    index connection to the money table

Wave 11:
NA028      r in nursing home
NG043      iadl meal preparation help
NG046      iadl groc shop help
NG049      iadl making phone calls help
NG053      iadl taking medications help
NG054_1    iadls- who helps -1
NG054_2    iadls- who helps- 2
NG054_3    iadls- who helps- 3
NG054_4    iadls- who helps- 4
NG054_5    iadls- who helps- 5
NG054_6    iadls- who helps- 6
NG061      iadl managing money help
NG062_1    who helps manage money-1
NG062_2    who helps manage money-2

Wave 11 Helper:
NG069      helper relationship
NG070      freq of help given
NG071      # days helper helped
NG072      did helper help every dy
NG073      #hrs of help
NG076      helper given money to help
NIADLNDX   index connection to the iadl table
NMNYNDX    index connection to the money table

Wave 12:
OA028      r in nursing home
OG043      iadl meal preparation help
OG046      iadl groc shop help
OG049      iadl making phone calls help
OG053      iadl taking medications help
OG054_1    iadls- who helps -1
OG054_2    iadls- who helps- 2
OG054_3    iadls- who helps- 3
OG054_4    iadls- who helps- 4
OG054_5    iadls- who helps- 5
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OG054_6	iadls- who helps- 6
OG061	iadl managing money help
OG062_1	who helps manage money-1
OG062_2	who helps manage money-2
Wave 12 Helper:	
OG069	helper relationship
OG070	freq of help given
OG071	# days helper helped
OG072	did helper help every dy
OG073	#hrs of help
OG076	helper given money to help
OIADLNDX	index connection to the iadl table
OMNYNDX	index connection to the money table
Wave 13:	
PA028	r in nursing home
PG043	iadl meal preparation help
PG046	iadl groc shop help
PG049	iadl making phone calls help
PG053	iadl taking medications help
PG054_1	iadls- who helps -1
PG054_2	iadls- who helps- 2
PG054_3	iadls- who helps- 3
PG054_4	iadls- who helps- 4
PG054_5	iadls- who helps- 5
PG054_6	iadls- who helps- 6
PG061	iadl managing money help
PG062_1	who helps manage money-1
PG062_2	who helps manage money-2
Wave 13 Helper:	
PG069	helper relationship
PG070	freq of help given
PG071	# days helper helped
PG072	did helper help every dy
PG073	#hrs of help
PG076	helper given money to help
PIADLNDX	index connection to the iadl table
PMNYNDX	index connection to the money table
Wave 14:	
QA028	r in nursing home
QG043	iadl meal preparation help
QG046	iadl groc shop help
QG049	iadl making phone calls help
QG053	iadl taking medications help
QG054_1	iadls- who helps -1
QG054_2	iadls- who helps- 2
QG054_3	iadls- who helps- 3
QG054_4	iadls- who helps- 4
QG054_5	iadls- who helps- 5
QG054_6	iadls- who helps- 6
QG061	iadl managing money help
QG062_1	who helps manage money-1
QG062_2	who helps manage money-2
Wave 14 Helper:	
QG069	HELPER RELATIONSHIP
QG070	FREQ OF HELP GIVEN
QG071	# DAYS HELPER HELPED
QG072	DID HELPER HELP EVERY DY
QG073	#HRS OF HELP
QG076	HELPER GIVEN MONEY TO HELP
QIADLNDX	INDEX CONNECTION TO THE IADL TABLE
QMNYNDX	INDEX CONNECTION TO THE MONEY TABLE
Wave 15:	
RA028	r in nursing home

RG043 iadl meal preparation help  
RG046 iadl groc shop help  
RG049 iadl making phone calls help  
RG053 iadl taking medications help  
RG054\_1 iadls- who helps -1  
RG054\_2 iadls- who helps- 2  
RG054\_3 iadls- who helps- 3  
RG054\_4 iadls- who helps- 4  
RG054\_5 iadls- who helps- 5  
RG054\_6 iadls- who helps- 6  
RG061 iadl managing money help  
RG062\_1 who helps manage money-1  
RG062\_2 who helps manage money-2

## Wave 15 Helper:

RG069 HELPER RELATIONSHIP  
RG070 FREQ OF HELP GIVEN  
RG071 # DAYS HELPER HELPED  
RG072 DID HELPER HELP EVERY DY  
RG073 #HRS OF HELP  
RG076 HELPER GIVEN MONEY TO HELP  
RIADLNDX INDEX CONNECTION TO THE IADL TABLE  
RMNYNDX INDEX CONNECTION TO THE MONEY TABLE

<b>Instrumental Activities of Daily Living: Receives Informal Care from Relatives</b>
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Wave	Variable	Label	Type
02	R2RIRCARE	r2rircare:w2 r receives informal care from relatives for iad	Categ
03	R3RIRCARE	r3rircare:w3 r receives informal care from relatives for iad	Categ
04	R4RIRCARE	r4rircare:w4 r receives informal care from relatives for iad	Categ
05	R5RIRCARE	r5rircare:w5 r receives informal care from relatives for iad	Categ
06	R6RIRCARE	r6rircare:w6 r receives informal care from relatives for iad	Categ
07	R7RIRCARE	r7rircare:w7 r receives informal care from relatives for iad	Categ
08	R8RIRCARE	r8rircare:w8 r receives informal care from relatives for iad	Categ
09	R9RIRCARE	r9rircare:w9 r receives informal care from relatives for iad	Categ
10	R10RIRCARE	r10rircare:w10 r receives informal care from relatives for i	Categ
11	R11RIRCARE	r11rircare:w11 r receives informal care from relatives for i	Categ
12	R12RIRCARE	r12rircare:w12 r receives informal care from relatives for i	Categ
13	R13RIRCARE	r13rircare:w13 r receives informal care from relatives for i	Categ
14	R14RIRCARE	r14rircare:w14 r receives informal care from relatives for i	Categ
15	R15RIRCARE	r15rircare:w15 r receives informal care from relatives for i	Categ
02	S2RIRCARE	s2rircare:w2 s receives informal care from relatives for iad	Categ
03	S3RIRCARE	s3rircare:w3 s receives informal care from relatives for iad	Categ
04	S4RIRCARE	s4rircare:w4 s receives informal care from relatives for iad	Categ
05	S5RIRCARE	s5rircare:w5 s receives informal care from relatives for iad	Categ
06	S6RIRCARE	s6rircare:w6 s receives informal care from relatives for iad	Categ
07	S7RIRCARE	s7rircare:w7 s receives informal care from relatives for iad	Categ
08	S8RIRCARE	s8rircare:w8 s receives informal care from relatives for iad	Categ
09	S9RIRCARE	s9rircare:w9 s receives informal care from relatives for iad	Categ
10	S10RIRCARE	s10rircare:w10 s receives informal care from relatives for i	Categ
11	S11RIRCARE	s11rircare:w11 s receives informal care from relatives for i	Categ
12	S12RIRCARE	s12rircare:w12 s receives informal care from relatives for i	Categ
13	S13RIRCARE	s13rircare:w13 s receives informal care from relatives for i	Categ
14	S14RIRCARE	s14rircare:w14 s receives informal care from relatives for i	Categ
15	S15RIRCARE	s15rircare:w15 s receives informal care from relatives for i	Categ
02	R2RIRCAREN	r2rircaren:w2 # relatives who help r with iadls	Cont
03	R3RIRCAREN	r3rircaren:w3 # relatives who help r with iadls	Cont
04	R4RIRCAREN	r4rircaren:w4 # relatives who help r with iadls	Cont
05	R5RIRCAREN	r5rircaren:w5 # relatives who help r with iadls	Cont
06	R6RIRCAREN	r6rircaren:w6 # relatives who help r with iadls	Cont
07	R7RIRCAREN	r7rircaren:w7 # relatives who help r with iadls	Cont
08	R8RIRCAREN	r8rircaren:w8 # relatives who help r with iadls	Cont
09	R9RIRCAREN	r9rircaren:w9 # relatives who help r with iadls	Cont
10	R10RIRCAREN	r10rircaren:w10 # relatives who help r with iadls	Cont
11	R11RIRCAREN	r11rircaren:w11 # relatives who help r with iadls	Cont
12	R12RIRCAREN	r12rircaren:w12 # relatives who help r with iadls	Cont
13	R13RIRCAREN	r13rircaren:w13 # relatives who help r with iadls	Cont
14	R14RIRCAREN	r14rircaren:w14 # relatives who help r with iadls	Cont
15	R15RIRCAREN	r15rircaren:w15 # relatives who help r with iadls	Cont
02	S2RIRCAREN	s2rircaren:w2 # relatives who help s with iadls	Cont
03	S3RIRCAREN	s3rircaren:w3 # relatives who help s with iadls	Cont
04	S4RIRCAREN	s4rircaren:w4 # relatives who help s with iadls	Cont
05	S5RIRCAREN	s5rircaren:w5 # relatives who help s with iadls	Cont
06	S6RIRCAREN	s6rircaren:w6 # relatives who help s with iadls	Cont
07	S7RIRCAREN	s7rircaren:w7 # relatives who help s with iadls	Cont
08	S8RIRCAREN	s8rircaren:w8 # relatives who help s with iadls	Cont
09	S9RIRCAREN	s9rircaren:w9 # relatives who help s with iadls	Cont
10	S10RIRCAREN	s10rircaren:w10 # relatives who help s with iadls	Cont
11	S11RIRCAREN	s11rircaren:w11 # relatives who help s with iadls	Cont
12	S12RIRCAREN	s12rircaren:w12 # relatives who help s with iadls	Cont
13	S13RIRCAREN	s13rircaren:w13 # relatives who help s with iadls	Cont

14	S14RIRCAREN	s14rircaren:w14 # relatives who help s with iadls	Cont
15	S15RIRCAREN	s15rircaren:w15 # relatives who help s with iadls	Cont
03	R3RIRCAREDPM	r3rircaredpm:w3 days/month relatives help r with iadls	Cont
04	R4RIRCAREDPM	r4rircaredpm:w4 days/month relatives help r with iadls	Cont
05	R5RIRCAREDPM	r5rircaredpm:w5 days/month relatives help r with iadls	Cont
06	R6RIRCAREDPM	r6rircaredpm:w6 days/month relatives help r with iadls	Cont
07	R7RIRCAREDPM	r7rircaredpm:w7 days/month relatives help r with iadls	Cont
08	R8RIRCAREDPM	r8rircaredpm:w8 days/month relatives help r with iadls	Cont
09	R9RIRCAREDPM	r9rircaredpm:w9 days/month relatives help r with iadls	Cont
10	R10RIRCAREDPM	r10rircaredpm:w10 days/month relatives help r with iadls	Cont
11	R11RIRCAREDPM	r11rircaredpm:w11 days/month relatives help r with iadls	Cont
12	R12RIRCAREDPM	r12rircaredpm:w12 days/month relatives help r with iadls	Cont
13	R13RIRCAREDPM	r13rircaredpm:w13 days/month relatives help r with iadls	Cont
14	R14RIRCAREDPM	r14rircaredpm:w14 days/month relatives help r with iadls	Cont
15	R15RIRCAREDPM	r15rircaredpm:w15 days/month relatives help r with iadls	Cont
03	S3RIRCAREDPM	s3rircaredpm:w3 days/month relatives help s with iadls	Cont
04	S4RIRCAREDPM	s4rircaredpm:w4 days/month relatives help s with iadls	Cont
05	S5RIRCAREDPM	s5rircaredpm:w5 days/month relatives help s with iadls	Cont
06	S6RIRCAREDPM	s6rircaredpm:w6 days/month relatives help s with iadls	Cont
07	S7RIRCAREDPM	s7rircaredpm:w7 days/month relatives help s with iadls	Cont
08	S8RIRCAREDPM	s8rircaredpm:w8 days/month relatives help s with iadls	Cont
09	S9RIRCAREDPM	s9rircaredpm:w9 days/month relatives help s with iadls	Cont
10	S10RIRCAREDPM	s10rircaredpm:w10 days/month relatives help s with iadls	Cont
11	S11RIRCAREDPM	s11rircaredpm:w11 days/month relatives help s with iadls	Cont
12	S12RIRCAREDPM	s12rircaredpm:w12 days/month relatives help s with iadls	Cont
13	S13RIRCAREDPM	s13rircaredpm:w13 days/month relatives help s with iadls	Cont
14	S14RIRCAREDPM	s14rircaredpm:w14 days/month relatives help s with iadls	Cont
15	S15RIRCAREDPM	s15rircaredpm:w15 days/month relatives help s with iadls	Cont
03	R3RIRCAREDPMM	r3rircaredpmm:w3 r # relatives missing days of help for iadl	Cont
04	R4RIRCAREDPMM	r4rircaredpmm:w4 r # relatives missing days of help for iadl	Cont
05	R5RIRCAREDPMM	r5rircaredpmm:w5 r # relatives missing days of help for iadl	Cont
06	R6RIRCAREDPMM	r6rircaredpmm:w6 r # relatives missing days of help for iadl	Cont
07	R7RIRCAREDPMM	r7rircaredpmm:w7 r # relatives missing days of help for iadl	Cont
08	R8RIRCAREDPMM	r8rircaredpmm:w8 r # relatives missing days of help for iadl	Cont
09	R9RIRCAREDPMM	r9rircaredpmm:w9 r # relatives missing days of help for iadl	Cont
10	R10RIRCAREDPMM	r10rircaredpmm:w10 r # relatives missing days of help for ia	Cont
11	R11RIRCAREDPMM	r11rircaredpmm:w11 r # relatives missing days of help for ia	Cont
12	R12RIRCAREDPMM	r12rircaredpmm:w12 r # relatives missing days of help for ia	Cont
13	R13RIRCAREDPMM	r13rircaredpmm:w13 r # relatives missing days of help for ia	Cont
14	R14RIRCAREDPMM	r14rircaredpmm:w14 r # relatives missing days of help for ia	Cont
15	R15RIRCAREDPMM	r15rircaredpmm:w15 r # relatives missing days of help for ia	Cont
03	S3RIRCAREDPMM	s3rircaredpmm:w3 s # relatives missing days of help for iadl	Cont
04	S4RIRCAREDPMM	s4rircaredpmm:w4 s # relatives missing days of help for iadl	Cont
05	S5RIRCAREDPMM	s5rircaredpmm:w5 s # relatives missing days of help for iadl	Cont
06	S6RIRCAREDPMM	s6rircaredpmm:w6 s # relatives missing days of help for iadl	Cont
07	S7RIRCAREDPMM	s7rircaredpmm:w7 s # relatives missing days of help for iadl	Cont
08	S8RIRCAREDPMM	s8rircaredpmm:w8 s # relatives missing days of help for iadl	Cont
09	S9RIRCAREDPMM	s9rircaredpmm:w9 s # relatives missing days of help for iadl	Cont
10	S10RIRCAREDPMM	s10rircaredpmm:w10 s # relatives missing days of help for ia	Cont
11	S11RIRCAREDPMM	s11rircaredpmm:w11 s # relatives missing days of help for ia	Cont
12	S12RIRCAREDPMM	s12rircaredpmm:w12 s # relatives missing days of help for ia	Cont
13	S13RIRCAREDPMM	s13rircaredpmm:w13 s # relatives missing days of help for ia	Cont
14	S14RIRCAREDPMM	s14rircaredpmm:w14 s # relatives missing days of help for ia	Cont
15	S15RIRCAREDPMM	s15rircaredpmm:w15 s # relatives missing days of help for ia	Cont
02	R2RIRCAREHR	r2rircarehr:w2 hours/day relatives help r with iadls	Cont
03	R3RIRCAREHR	r3rircarehr:w3 hours/day relatives help r with iadls	Cont
04	R4RIRCAREHR	r4rircarehr:w4 hours/day relatives help r with iadls	Cont
05	R5RIRCAREHR	r5rircarehr:w5 hours/day relatives help r with iadls	Cont

06	R6RIRCAREHR	r6rircarehr:w6 hours/day relatives help r with iadls	Cont
07	R7RIRCAREHR	r7rircarehr:w7 hours/day relatives help r with iadls	Cont
08	R8RIRCAREHR	r8rircarehr:w8 hours/day relatives help r with iadls	Cont
09	R9RIRCAREHR	r9rircarehr:w9 hours/day relatives help r with iadls	Cont
10	R10RIRCAREHR	r10rircarehr:w10 hours/day relatives help r with iadls	Cont
11	R11RIRCAREHR	r11rircarehr:w11 hours/day relatives help r with iadls	Cont
12	R12RIRCAREHR	r12rircarehr:w12 hours/day relatives help r with iadls	Cont
13	R13RIRCAREHR	r13rircarehr:w13 hours/day relatives help r with iadls	Cont
14	R14RIRCAREHR	r14rircarehr:w14 hours/day relatives help r with iadls	Cont
15	R15RIRCAREHR	r15rircarehr:w15 hours/day relatives help r with iadls	Cont
02	S2RIRCAREHR	s2rircarehr:w2 hours/day relatives help s with iadls	Cont
03	S3RIRCAREHR	s3rircarehr:w3 hours/day relatives help s with iadls	Cont
04	S4RIRCAREHR	s4rircarehr:w4 hours/day relatives help s with iadls	Cont
05	S5RIRCAREHR	s5rircarehr:w5 hours/day relatives help s with iadls	Cont
06	S6RIRCAREHR	s6rircarehr:w6 hours/day relatives help s with iadls	Cont
07	S7RIRCAREHR	s7rircarehr:w7 hours/day relatives help s with iadls	Cont
08	S8RIRCAREHR	s8rircarehr:w8 hours/day relatives help s with iadls	Cont
09	S9RIRCAREHR	s9rircarehr:w9 hours/day relatives help s with iadls	Cont
10	S10RIRCAREHR	s10rircarehr:w10 hours/day relatives help s with iadls	Cont
11	S11RIRCAREHR	s11rircarehr:w11 hours/day relatives help s with iadls	Cont
12	S12RIRCAREHR	s12rircarehr:w12 hours/day relatives help s with iadls	Cont
13	S13RIRCAREHR	s13rircarehr:w13 hours/day relatives help s with iadls	Cont
14	S14RIRCAREHR	s14rircarehr:w14 hours/day relatives help s with iadls	Cont
15	S15RIRCAREHR	s15rircarehr:w15 hours/day relatives help s with iadls	Cont
02	R2RIRCAREHRM	r2rircarehrm:w2 r # relatives missing hours of help for iadl	Cont
03	R3RIRCAREHRM	r3rircarehrm:w3 r # relatives missing hours of help for iadl	Cont
04	R4RIRCAREHRM	r4rircarehrm:w4 r # relatives missing hours of help for iadl	Cont
05	R5RIRCAREHRM	r5rircarehrm:w5 r # relatives missing hours of help for iadl	Cont
06	R6RIRCAREHRM	r6rircarehrm:w6 r # relatives missing hours of help for iadl	Cont
07	R7RIRCAREHRM	r7rircarehrm:w7 r # relatives missing hours of help for iadl	Cont
08	R8RIRCAREHRM	r8rircarehrm:w8 r # relatives missing hours of help for iadl	Cont
09	R9RIRCAREHRM	r9rircarehrm:w9 r # relatives missing hours of help for iadl	Cont
10	R10RIRCAREHRM	r10rircarehrm:w10 r # relatives missing hours of help for ia	Cont
11	R11RIRCAREHRM	r11rircarehrm:w11 r # relatives missing hours of help for ia	Cont
12	R12RIRCAREHRM	r12rircarehrm:w12 r # relatives missing hours of help for ia	Cont
13	R13RIRCAREHRM	r13rircarehrm:w13 r # relatives missing hours of help for ia	Cont
14	R14RIRCAREHRM	r14rircarehrm:w14 r # relatives missing hours of help for ia	Cont
15	R15RIRCAREHRM	r15rircarehrm:w15 r # relatives missing hours of help for ia	Cont
02	S2RIRCAREHRM	s2rircarehrm:w2 s # relatives missing hours of help for iadl	Cont
03	S3RIRCAREHRM	s3rircarehrm:w3 s # relatives missing hours of help for iadl	Cont
04	S4RIRCAREHRM	s4rircarehrm:w4 s # relatives missing hours of help for iadl	Cont
05	S5RIRCAREHRM	s5rircarehrm:w5 s # relatives missing hours of help for iadl	Cont
06	S6RIRCAREHRM	s6rircarehrm:w6 s # relatives missing hours of help for iadl	Cont
07	S7RIRCAREHRM	s7rircarehrm:w7 s # relatives missing hours of help for iadl	Cont
08	S8RIRCAREHRM	s8rircarehrm:w8 s # relatives missing hours of help for iadl	Cont
09	S9RIRCAREHRM	s9rircarehrm:w9 s # relatives missing hours of help for iadl	Cont
10	S10RIRCAREHRM	s10rircarehrm:w10 s # relatives missing hours of help for ia	Cont
11	S11RIRCAREHRM	s11rircarehrm:w11 s # relatives missing hours of help for ia	Cont
12	S12RIRCAREHRM	s12rircarehrm:w12 s # relatives missing hours of help for ia	Cont
13	S13RIRCAREHRM	s13rircarehrm:w13 s # relatives missing hours of help for ia	Cont
14	S14RIRCAREHRM	s14rircarehrm:w14 s # relatives missing hours of help for ia	Cont
15	S15RIRCAREHRM	s15rircarehrm:w15 s # relatives missing hours of help for ia	Cont
02	R2RIRCAREPD	r2rircarepd:w2 any relative paid for care given to r for iad	Categ
03	R3RIRCAREPD	r3rircarepd:w3 any relative paid for care given to r for iad	Categ
04	R4RIRCAREPD	r4rircarepd:w4 any relative paid for care given to r for iad	Categ
05	R5RIRCAREPD	r5rircarepd:w5 any relative paid for care given to r for iad	Categ
06	R6RIRCAREPD	r6rircarepd:w6 any relative paid for care given to r for iad	Categ
07	R7RIRCAREPD	r7rircarepd:w7 any relative paid for care given to r for iad	Categ
08	R8RIRCAREPD	r8rircarepd:w8 any relative paid for care given to r for iad	Categ

09	R9RIRCAREPD	r9rircarepd:w9 any relative paid for care given to r for iad	Categ
10	R10RIRCAREPD	r10rircarepd:w10 any relative paid for care given to r for i	Categ
11	R11RIRCAREPD	r11rircarepd:w11 any relative paid for care given to r for i	Categ
12	R12RIRCAREPD	r12rircarepd:w12 any relative paid for care given to r for i	Categ
13	R13RIRCAREPD	r13rircarepd:w13 any relative paid for care given to r for i	Categ
14	R14RIRCAREPD	r14rircarepd:w14 any relative paid for care given to r for i	Categ
15	R15RIRCAREPD	r15rircarepd:w15 any relative paid for care given to r for i	Categ
02	S2RIRCAREPD	s2rircarepd:w2 any relative paid for care given to s for iad	Categ
03	S3RIRCAREPD	s3rircarepd:w3 any relative paid for care given to s for iad	Categ
04	S4RIRCAREPD	s4rircarepd:w4 any relative paid for care given to s for iad	Categ
05	S5RIRCAREPD	s5rircarepd:w5 any relative paid for care given to s for iad	Categ
06	S6RIRCAREPD	s6rircarepd:w6 any relative paid for care given to s for iad	Categ
07	S7RIRCAREPD	s7rircarepd:w7 any relative paid for care given to s for iad	Categ
08	S8RIRCAREPD	s8rircarepd:w8 any relative paid for care given to s for iad	Categ
09	S9RIRCAREPD	s9rircarepd:w9 any relative paid for care given to s for iad	Categ
10	S10RIRCAREPD	s10rircarepd:w10 any relative paid for care given to s for i	Categ
11	S11RIRCAREPD	s11rircarepd:w11 any relative paid for care given to s for i	Categ
12	S12RIRCAREPD	s12rircarepd:w12 any relative paid for care given to s for i	Categ
13	S13RIRCAREPD	s13rircarepd:w13 any relative paid for care given to s for i	Categ
14	S14RIRCAREPD	s14rircarepd:w14 any relative paid for care given to s for i	Categ
15	S15RIRCAREPD	s15rircarepd:w15 any relative paid for care given to s for i	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RIRCARE	2232	0.07	0.25	0.00	1.00
R3RIRCARE	2256	0.06	0.25	0.00	1.00
R4RIRCARE	2578	0.10	0.29	0.00	1.00
R5RIRCARE	2356	0.10	0.29	0.00	1.00
R6RIRCARE	2354	0.08	0.28	0.00	1.00
R7RIRCARE	2496	0.09	0.28	0.00	1.00
R8RIRCARE	2436	0.09	0.28	0.00	1.00
R9RIRCARE	2249	0.08	0.28	0.00	1.00
R10RIRCARE	2935	0.11	0.31	0.00	1.00
R11RIRCARE	2782	0.10	0.30	0.00	1.00
R12RIRCARE	2653	0.10	0.30	0.00	1.00
R13RIRCARE	2737	0.10	0.31	0.00	1.00
R14RIRCARE	2181	0.10	0.30	0.00	1.00
R15RIRCARE	1931	0.10	0.30	0.00	1.00
S2RIRCARE	1070	0.04	0.19	0.00	1.00
S3RIRCARE	1050	0.02	0.14	0.00	1.00
S4RIRCARE	1224	0.03	0.16	0.00	1.00
S5RIRCARE	1085	0.03	0.17	0.00	1.00
S6RIRCARE	1028	0.03	0.16	0.00	1.00
S7RIRCARE	1156	0.03	0.17	0.00	1.00
S8RIRCARE	1107	0.03	0.17	0.00	1.00
S9RIRCARE	964	0.02	0.15	0.00	1.00
S10RIRCARE	1369	0.04	0.20	0.00	1.00
S11RIRCARE	1277	0.04	0.19	0.00	1.00
S12RIRCARE	1196	0.05	0.21	0.00	1.00
S13RIRCARE	1209	0.04	0.19	0.00	1.00
S14RIRCARE	953	0.04	0.20	0.00	1.00
S15RIRCARE	810	0.03	0.16	0.00	1.00
R2RIRCAREN	2232	0.07	0.29	0.00	2.00
R3RIRCAREN	2256	0.07	0.30	0.00	3.00
R4RIRCAREN	2578	0.12	0.40	0.00	4.00
R5RIRCAREN	2356	0.12	0.41	0.00	5.00
R6RIRCAREN	2354	0.10	0.36	0.00	4.00
R7RIRCAREN	2496	0.11	0.38	0.00	4.00



R8RIRCAREN	2436	0.10	0.37	0.00	4.00
R9RIRCAREN	2249	0.10	0.37	0.00	6.00
R10RIRCAREN	2935	0.14	0.44	0.00	6.00
R11RIRCAREN	2782	0.12	0.42	0.00	5.00
R12RIRCAREN	2653	0.13	0.43	0.00	4.00
R13RIRCAREN	2737	0.13	0.43	0.00	6.00
R14RIRCAREN	2181	0.13	0.42	0.00	4.00
R15RIRCAREN	1931	0.12	0.41	0.00	4.00
S2RIRCAREN	1070	0.04	0.24	0.00	2.00
S3RIRCAREN	1050	0.02	0.14	0.00	1.00
S4RIRCAREN	1224	0.03	0.20	0.00	3.00
S5RIRCAREN	1085	0.03	0.18	0.00	2.00
S6RIRCAREN	1028	0.03	0.20	0.00	3.00
S7RIRCAREN	1156	0.04	0.23	0.00	3.00
S8RIRCAREN	1107	0.03	0.19	0.00	2.00
S9RIRCAREN	964	0.03	0.20	0.00	3.00
S10RIRCAREN	1369	0.05	0.23	0.00	2.00
S11RIRCAREN	1277	0.04	0.22	0.00	2.00
S12RIRCAREN	1196	0.06	0.27	0.00	3.00
S13RIRCAREN	1209	0.04	0.23	0.00	3.00
S14RIRCAREN	953	0.05	0.24	0.00	2.00
S15RIRCAREN	810	0.03	0.21	0.00	3.00
R3RIRCAREDPM	2253	1.35	6.83	0.00	93.00
R4RIRCAREDPM	2561	1.58	7.01	0.00	90.00
R5RIRCAREDPM	2340	1.56	7.21	0.00	84.00
R6RIRCAREDPM	2349	1.30	6.33	0.00	62.00
R7RIRCAREDPM	2490	1.20	6.03	0.00	90.00
R8RIRCAREDPM	2428	1.23	6.05	0.00	65.00
R9RIRCAREDPM	2247	1.25	5.79	0.00	62.00
R10RIRCAREDPM	2930	1.47	6.57	0.00	93.00
R11RIRCAREDPM	2778	1.43	6.59	0.00	93.00
R12RIRCAREDPM	2648	1.42	6.61	0.00	121.00
R13RIRCAREDPM	2728	1.40	6.59	0.00	124.00
R14RIRCAREDPM	2164	1.32	6.14	0.00	74.00
R15RIRCAREDPM	1924	1.39	6.33	0.00	96.00
S3RIRCAREDPM	1050	0.32	2.88	0.00	31.00
S4RIRCAREDPM	1222	0.31	3.05	0.00	60.00
S5RIRCAREDPM	1083	0.19	1.98	0.00	46.00
S6RIRCAREDPM	1027	0.32	3.11	0.00	62.00
S7RIRCAREDPM	1156	0.49	3.92	0.00	62.00
S8RIRCAREDPM	1107	0.33	2.81	0.00	40.00
S9RIRCAREDPM	964	0.28	2.57	0.00	31.00
S10RIRCAREDPM	1368	0.48	3.49	0.00	62.00
S11RIRCAREDPM	1277	0.38	2.87	0.00	31.00
S12RIRCAREDPM	1196	0.48	3.22	0.00	35.00
S13RIRCAREDPM	1208	0.33	2.52	0.00	31.00
S14RIRCAREDPM	947	0.33	2.64	0.00	31.00
S15RIRCAREDPM	808	0.27	2.21	0.00	31.00
R3RIRCAREDPMM	2256	0.00	0.04	0.00	1.00
R4RIRCAREDPMM	2578	0.00	0.06	0.00	2.00
R5RIRCAREDPMM	2356	0.00	0.08	0.00	3.00
R6RIRCAREDPMM	2354	0.00	0.05	0.00	1.00
R7RIRCAREDPMM	2496	0.00	0.06	0.00	1.00
R8RIRCAREDPMM	2436	0.00	0.06	0.00	1.00
R9RIRCAREDPMM	2249	0.00	0.04	0.00	1.00
R10RIRCAREDPMM	2935	0.00	0.06	0.00	1.00
R11RIRCAREDPMM	2782	0.00	0.07	0.00	3.00
R12RIRCAREDPMM	2653	0.00	0.06	0.00	1.00
R13RIRCAREDPMM	2737	0.00	0.07	0.00	1.00

R14RIRCAREDPMM	2181	0.01	0.10	0.00	2.00
R15RIRCAREDPMM	1931	0.01	0.09	0.00	2.00
S3RIRCAREDPMM	1050	0.00	0.00	0.00	0.00
S4RIRCAREDPMM	1224	0.00	0.03	0.00	1.00
S5RIRCAREDPMM	1085	0.00	0.04	0.00	1.00
S6RIRCAREDPMM	1028	0.00	0.04	0.00	1.00
S7RIRCAREDPMM	1156	0.00	0.00	0.00	0.00
S8RIRCAREDPMM	1107	0.00	0.00	0.00	0.00
S9RIRCAREDPMM	964	0.00	0.00	0.00	0.00
S10RIRCAREDPMM	1369	0.00	0.04	0.00	1.00
S11RIRCAREDPMM	1277	0.00	0.00	0.00	0.00
S12RIRCAREDPMM	1196	0.00	0.03	0.00	1.00
S13RIRCAREDPMM	1209	0.00	0.03	0.00	1.00
S14RIRCAREDPMM	953	0.01	0.08	0.00	1.00
S15RIRCAREDPMM	810	0.00	0.08	0.00	2.00
R2RIRCAREHR	2183	0.17	1.28	0.00	24.00
R3RIRCAREHR	2241	0.26	1.79	0.00	30.00
R4RIRCAREHR	2553	0.44	2.70	0.00	72.00
R5RIRCAREHR	2334	0.37	2.19	0.00	48.00
R6RIRCAREHR	2333	0.41	2.51	0.00	48.00
R7RIRCAREHR	2469	0.37	2.44	0.00	72.00
R8RIRCAREHR	2410	0.34	2.09	0.00	48.00
R9RIRCAREHR	2233	0.38	2.24	0.00	35.00
R10RIRCAREHR	2895	0.42	2.28	0.00	48.00
R11RIRCAREHR	2748	0.36	1.95	0.00	48.00
R12RIRCAREHR	2621	0.40	2.22	0.00	48.00
R13RIRCAREHR	2714	0.37	1.79	0.00	24.00
R14RIRCAREHR	2152	0.35	1.78	0.00	30.00
R15RIRCAREHR	1918	0.33	1.53	0.00	20.00
S2RIRCAREHR	1058	0.14	1.38	0.00	24.00
S3RIRCAREHR	1049	0.06	0.52	0.00	8.00
S4RIRCAREHR	1220	0.07	0.83	0.00	26.00
S5RIRCAREHR	1083	0.08	0.84	0.00	24.00
S6RIRCAREHR	1024	0.10	1.07	0.00	24.00
S7RIRCAREHR	1153	0.09	0.67	0.00	12.00
S8RIRCAREHR	1104	0.09	0.72	0.00	10.00
S9RIRCAREHR	959	0.09	1.00	0.00	24.00
S10RIRCAREHR	1364	0.12	0.79	0.00	16.00
S11RIRCAREHR	1273	0.14	1.15	0.00	24.00
S12RIRCAREHR	1188	0.15	1.11	0.00	24.00
S13RIRCAREHR	1208	0.12	0.94	0.00	24.00
S14RIRCAREHR	945	0.11	0.99	0.00	24.00
S15RIRCAREHR	810	0.09	0.79	0.00	15.00
R2RIRCAREHRM	2232	0.02	0.16	0.00	2.00
R3RIRCAREHRM	2256	0.01	0.08	0.00	1.00
R4RIRCAREHRM	2578	0.01	0.12	0.00	2.00
R5RIRCAREHRM	2356	0.01	0.13	0.00	3.00
R6RIRCAREHRM	2354	0.01	0.10	0.00	1.00
R7RIRCAREHRM	2496	0.01	0.13	0.00	2.00
R8RIRCAREHRM	2436	0.02	0.14	0.00	2.00
R9RIRCAREHRM	2249	0.01	0.10	0.00	2.00
R10RIRCAREHRM	2935	0.02	0.15	0.00	2.00
R11RIRCAREHRM	2782	0.02	0.16	0.00	3.00
R12RIRCAREHRM	2653	0.02	0.16	0.00	3.00
R13RIRCAREHRM	2737	0.01	0.12	0.00	2.00
R14RIRCAREHRM	2181	0.02	0.14	0.00	2.00
R15RIRCAREHRM	1931	0.01	0.10	0.00	1.00
S2RIRCAREHRM	1070	0.01	0.11	0.00	1.00

S3RIRCAREHRM	1050	0.00	0.03	0.00	1.00
S4RIRCAREHRM	1224	0.00	0.06	0.00	1.00
S5RIRCAREHRM	1085	0.00	0.04	0.00	1.00
S6RIRCAREHRM	1028	0.00	0.07	0.00	1.00
S7RIRCAREHRM	1156	0.01	0.07	0.00	1.00
S8RIRCAREHRM	1107	0.00	0.05	0.00	1.00
S9RIRCAREHRM	964	0.01	0.08	0.00	1.00
S10RIRCAREHRM	1369	0.00	0.06	0.00	1.00
S11RIRCAREHRM	1277	0.00	0.06	0.00	1.00
S12RIRCAREHRM	1196	0.01	0.12	0.00	2.00
S13RIRCAREHRM	1209	0.00	0.03	0.00	1.00
S14RIRCAREHRM	953	0.01	0.10	0.00	1.00
S15RIRCAREHRM	810	0.00	0.04	0.00	1.00
R2RIRCAREPD	2189	0.00	0.06	0.00	1.00
R3RIRCAREPD	2251	0.01	0.07	0.00	1.00
R4RIRCAREPD	2565	0.01	0.09	0.00	1.00
R5RIRCAREPD	2346	0.01	0.08	0.00	1.00
R6RIRCAREPD	2339	0.01	0.09	0.00	1.00
R7RIRCAREPD	2480	0.00	0.07	0.00	1.00
R8RIRCAREPD	2420	0.01	0.09	0.00	1.00
R9RIRCAREPD	2237	0.01	0.07	0.00	1.00
R10RIRCAREPD	2911	0.01	0.10	0.00	1.00
R11RIRCAREPD	2766	0.01	0.08	0.00	1.00
R12RIRCAREPD	2637	0.01	0.09	0.00	1.00
R13RIRCAREPD	2719	0.01	0.09	0.00	1.00
R14RIRCAREPD	2162	0.01	0.09	0.00	1.00
R15RIRCAREPD	1925	0.01	0.11	0.00	1.00
S2RIRCAREPD	1060	0.00	0.06	0.00	1.00
S3RIRCAREPD	1049	0.00	0.04	0.00	1.00
S4RIRCAREPD	1222	0.00	0.04	0.00	1.00
S5RIRCAREPD	1085	0.00	0.05	0.00	1.00
S6RIRCAREPD	1026	0.00	0.04	0.00	1.00
S7RIRCAREPD	1154	0.00	0.03	0.00	1.00
S8RIRCAREPD	1104	0.01	0.08	0.00	1.00
S9RIRCAREPD	960	0.00	0.00	0.00	0.00
S10RIRCAREPD	1367	0.00	0.06	0.00	1.00
S11RIRCAREPD	1274	0.01	0.07	0.00	1.00
S12RIRCAREPD	1192	0.01	0.08	0.00	1.00
S13RIRCAREPD	1208	0.00	0.04	0.00	1.00
S14RIRCAREPD	950	0.00	0.06	0.00	1.00
S15RIRCAREPD	810	0.00	0.05	0.00	1.00

## Categorical Variable Codes

Value-----	R2RIRCARE	R3RIRCARE	R4RIRCARE	R5RIRCARE	
.d:DK	27	5	1	3	
.h:no help received		494	578	522	
.m:Missing	1	48	34	29	
.q:not asked this wave	11595				
.r:Refuse			1	1	
.x:no difficulties	5962	15188	18192	16667	
0.no	2084	2111	2331	2130	
1.yes	148	145	247	226	
Value-----	R6RIRCARE	R7RIRCARE	R8RIRCARE	R9RIRCARE	R10RIRCARE
.d:DK	3	5		2	6
.h:no help received	476	566	531	537	828
.m:Missing	11	14	9	13	139
.r:Refuse	3	1		1	4
.x:no difficulties	15318	17047	15493	14415	18122
0.no	2154	2280	2228	2061	2611
1.yes	200	216	208	188	324

Value-----	R11RIRCARE	R12RIRCARE	R13RIRCARE	R14RIRCARE	R15RIRCARE
.d:DK	4	18	13	7	6
.h:no help received	713	740	832	689	543
.m:Missing	19	17	38	33	78
.r:Refuse	4	3	1	3	1
.x:no difficulties	17032	15316	17291	14233	13164
0.no	2507	2383	2453	1955	1739
1.yes	275	270	284	226	192

Value-----	S2RIRCARE	S3RIRCARE	S4RIRCARE	S5RIRCARE
.d:DK	7	2		
.h:no help received		248	291	250
.m:Missing	1	16	7	8
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3272	10600	12456	11387
0.no	1029	1029	1191	1054
1.yes	41	21	33	31

Value-----	S6RIRCARE	S7RIRCARE	S8RIRCARE	S9RIRCARE	S10RIRCARE
.d:DK	1	3			
.h:no help received	219	257	259	252	355
.m:Missing	3	1	2	4	83
.r:Refuse	1				2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10380	11551	10360	9420	11699
0.no	1002	1121	1076	941	1310
1.yes	26	35	31	23	59

Value-----	S11RIRCARE	S12RIRCARE	S13RIRCARE	S14RIRCARE	S15RIRCARE
.d:DK	1	4	5	1	1
.h:no help received	318	295	284	248	198
.m:Missing	5	4	8	8	12
.r:Refuse	1			2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10874	9513	10272	8146	7444
0.no	1228	1140	1162	914	788
1.yes	49	56	47	39	22

Value-----	R2RIRCAREPD	R3RIRCAREPD	R4RIRCAREPD	R5RIRCAREPD
.d:DK	27	5	1	3
.h:no help received		494	578	522
.m:Missing	1	53	46	38
.q:not asked this wave	11595			
.r:Refuse			2	2
.w:less than weekly help	43			
.x:no difficulties	5962	15188	18192	16667
0.no	2181	2239	2546	2330
1.yes	8	12	19	16

Value-----	R6RIRCAREPD	R7RIRCAREPD	R8RIRCAREPD	R9RIRCAREPD	R10RIRCAREPD
.d:DK	4	7		2	6
.h:no help received	476	566	531	537	828
.m:Missing	25	28	25	25	162
.r:Refuse	3	1		1	5
.x:no difficulties	15318	17047	15493	14415	18122
0.no	2320	2469	2401	2225	2882
1.yes	19	11	19	12	29

Value-----	R11RIRCAREPD	R12RIRCAREPD	R13RIRCAREPD	R14RIRCAREPD	R15RIRCAREPD
.d:DK	4	19	16	8	6
.h:no help received	713	740	832	689	543
.m:Missing	35	32	53	49	84
.r:Refuse	4	3	1	5	1
.x:no difficulties	17032	15316	17291	14233	13164
0.no	2746	2613	2699	2145	1901
1.yes	20	24	20	17	24

Value-----	S2RIRCAREPD	S3RIRCAREPD	S4RIRCAREPD	S5RIRCAREPD
.d:DK	7	2		
.h:no help received		248	291	250
.m:Missing	1	17	9	8
.q:not asked this wave	8738			

.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.w:less than weekly help		10			
.x:no difficulties		3272	10600	12456	11387
0.no		1056	1047	1220	1082
1.yes		4	2	2	3

Value-----		S6RIRCAREPD	S7RIRCAREPD	S8RIRCAREPD	S9RIRCAREPD	S10RIRCAREPD
.d:DK		1	3			
.h:no help received		219	257	259	252	355
.m:Missing		5	3	5	8	85
.r:Refuse		1				2
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.x:no difficulties		10380	11551	10360	9420	11699
0.no		1024	1153	1097	960	1362
1.yes		2	1	7		5

Value-----		S11RIRCAREPD	S12RIRCAREPD	S13RIRCAREPD	S14RIRCAREPD	S15RIRCAREPD
.d:DK		1	4	5	1	1
.h:no help received		318	295	284	248	198
.m:Missing		8	8	9	11	12
.r:Refuse		1			2	1
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.x:no difficulties		10874	9513	10272	8146	7444
0.no		1267	1184	1206	947	808
1.yes		7	8	2	3	2

## How Constructed:

The following variables indicate whether any of the respondent's relatives help the respondent with any IADL needs. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any IADL, and are coded as special missing .h if the respondent reports difficulty with an IADL but does not receive any help. Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRIRCARE, RwRIRCAREN, RwRIRCAREDPM, RwRIRCAREDPMM, RwRIRCAREHR, RwRIRCAREHRM, and RwRIRCAREPD include help from the respondent's other relative in the AHEAD cohort in Wave 2. These variables include help from the respondent's sibling, sibling of spouse, parent or parent-in-law, and other relative in Waves 3 through 5. These variables include help from the respondent's father, father of spouse/partner, mother, mother of spouse/partner, parents, brother, brother of spouse/partner, sister, sister of spouse/partner, or other relative in Waves 6 and onward.

RwRIRCARE indicates whether any of the respondent's relatives help the respondent with IADL needs. RwRIRCAREN indicates the number of the respondent's relatives who help the respondent with IADL needs. RwRIRCARE is coded as 0 if none of the respondent's relatives help the respondent with IADLS, and is coded as 1 if at least one of the respondent's relatives help the respondent with IADLs. In Wave 2, RwRIRCARE and RwRIRCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRIRCARE and RwRIRCAREN are not available in Wave 1.

RwRIRCAREDPM indicates the number of total days per month the respondent's relatives help the respondent with IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper

assists in one of the three mentioned frequencies. RWRIRCAREDPM is the sum of days per month for all relative helpers, and so values can be over 31 days. RWRIRCAREDPM is calculated as long as there is one non-missing value. RWRIRCAREDPMM indicates the number of relatives who helped the respondent for whom no value of days was reported and was not accounted for in RWRIRCAREDPM. RWRIRCAREDPMM is assigned special missing .m if the respondent was not helped by any relatives or prior information was missing. RWRIRCAREDPM and RWRIRCAREDPMM are not available in Waves 1 and 2.

RWRIRCAREHR indicates the number of hours per day the respondent's relatives help the respondent with IADL needs. Respondents are asked, on days their relatives help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RWRIRCAREHR is the sum of hours per day for all relative helpers, and so values can be over 24 hours. RWRIRCAREHR is calculated as long as there is one non-missing value. RWRIRCAREHRM indicates the number of relatives who helped the respondent for whom no value of hours was reported and was not accounted for in RWRIRCAREHR. RWRIRCAREHR is assigned a special missing .w in the AHEAD cohort of Wave 2 if this question is not asked because the respondent's relatives help less than once per week. RWRIRCAREHRM is assigned special missing .m if the respondent was not helped by any relatives or prior information was missing. In Wave 2, RWRIRCAREHR and RWRIRCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RWRIRCAREHR and RWRIRCAREHRM are not available in Wave 1.

RWRIRCAREPD indicates whether any of the respondent's relative helpers are paid for the care given to the respondent for IADL needs. RWRIRCAREPD is assigned a value of 0 if the respondent receives no care from relatives, or the respondent does receive care from relatives and none of them are paid. RWRIRCAREPD is assigned a value of 1 if the respondent receives care from relatives and at least one of them is paid for the care given to the respondent. RWRIRCAREPD is assigned a special missing .w in the AHEAD cohort of Wave 2 if this question is not asked because the respondent's relatives help less than once per week. In Wave 2, RWRIRCAREPD is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RWRIRCAREPD is not available in Wave 1.

SWRIRCARE, SWRIRCAREN, SWRIRCAREDPM, SWRIRCAREHR, and SWRIRCAREPD indicate whether the respondent's current wave's spouse receives help from relatives, the number, the frequency with which, and whether any are paid, and their values are taken from RWRIRCARE, RWRIRCAREN, RWRIRCAREDPM, RWRIRCAREHR, and RWRIRCAREPD. SWRIRCAREDPMM and SWRIRCAREHRM indicate the number of relatives who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RWRIRCAREDPMM and RWRIRCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with IADLS at all in Wave 1 and in the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

Respondents are asked who helps them with IADLS, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWRIRCARE, RWRIRCAREN, and RWRIRCAREPD are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RWRIRCARE, RWRIRCAREN, and RWRIRCAREPD are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a relative helps them with IADLs, and were asked how frequently and the number of hours that the relative provides help. However, the frequency of help is not comparable to other waves and so RWRIRCAREDPM and RWRIRCAREDPMM are not available in this wave. The number of hours that the relative helps is comparable, and so RWRIRCAREHR and RWRIRCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RWRIRCAREHR and RWRIRCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with IADLs, and are asked about the number of days or number of hours that the respondent's relative helps the respondent. As such, RwRIRCAREDPM and RwRIRCAREDPMM are available beginning in Wave 3.

In the AHEAD cohort in Wave 2, respondents are not asked whether the helper is paid if they help less than once per week. Starting in Wave 3, respondents are asked whether the helper is paid regardless of the frequency of the help.

### HRS Variables Used:

#### RAND HRS:

R10MEALSA	r10mealsa:w10	r any diff-prepare hot meal
R10MEDSA	r10medsa:w10	r any diff-take medications
R10MONEYA	r10moneya:w10	r any diff-managing money
R10PHONEA	r10phonea:w10	r any diff-use telephone
R10SHOPA	r10shopa:w10	r any diff-shop for grocery
R11MEALSA	r11mealsa:w11	r any diff-prepare hot meal
R11MEDSA	r11medsa:w11	r any diff-take medications
R11MONEYA	r11moneya:w11	r any diff-managing money
R11PHONEA	r11phonea:w11	r any diff-use telephone
R11SHOPA	r11shopa:w11	r any diff-shop for grocery
R12MEALSA	r12mealsa:w12	r any diff-prepare hot meal
R12MEDSA	r12medsa:w12	r any diff-take medications
R12MONEYA	r12moneya:w12	r any diff-managing money
R12PHONEA	r12phonea:w12	r any diff-use telephone
R12SHOPA	r12shopa:w12	r any diff-shop for grocery
R13MEALSA	r13mealsa:w13	r any diff-prepare hot meal
R13MEDSA	r13medsa:w13	r any diff-take medications
R13MONEYA	r13moneya:w13	r any diff-managing money
R13PHONEA	r13phonea:w13	r any diff-use telephone
R13SHOPA	r13shopa:w13	r any diff-shop for grocery
R14MEALSA	r14mealsa:w14	r any diff-prepare hot meal
R14MEDSA	r14medsa:w14	r any diff-take medications
R14MONEYA	r14moneya:w14	r any diff-managing money
R14PHONEA	r14phonea:w14	r any diff-use telephone
R14SHOPA	r14shopa:w14	r any diff-shop for grocery
R15MEALSA	r15mealsa:w15	r any diff-prepare hot meal
R15MEDSA	r15medsa:w15	r any diff-take medications
R15MONEYA	r15moneya:w15	r any diff-managing money
R15PHONEA	r15phonea:w15	r any diff-use telephone
R15SHOPA	r15shopa:w15	r any diff-shop for grocery
R3MEALSA	r3mealsa:w3	r any diff-prepare hot meal
R3MEDSA	r3medsa:w3	r any diff-take medications
R3MONEYA	r3moneya:w3	r any diff-managing money
R3PHONEA	r3phonea:w3	r any diff-use telephone
R3SHOPA	r3shopa:w3	r any diff-shop for grocery
R4MEALSA	r4mealsa:w4	r any diff-prepare hot meal
R4MEDSA	r4medsa:w4	r any diff-take medications
R4MONEYA	r4moneya:w4	r any diff-managing money
R4PHONEA	r4phonea:w4	r any diff-use telephone
R4SHOPA	r4shopa:w4	r any diff-shop for grocery
R5MEALSA	r5mealsa:w5	r any diff-prepare hot meal
R5MEDSA	r5medsa:w5	r any diff-take medications
R5MONEYA	r5moneya:w5	r any diff-managing money
R5PHONEA	r5phonea:w5	r any diff-use telephone
R5SHOPA	r5shopa:w5	r any diff-shop for grocery
R6MEALSA	r6mealsa:w6	r any diff-prepare hot meal
R6MEDSA	r6medsa:w6	r any diff-take medications
R6MONEYA	r6moneya:w6	r any diff-managing money
R6PHONEA	r6phonea:w6	r any diff-use telephone
R6SHOPA	r6shopa:w6	r any diff-shop for grocery
R7MEALSA	r7mealsa:w7	r any diff-prepare hot meal

R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
Wave 2 AHEAD:	
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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps
Wave 2 AHEAD Helper:	
BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V993	E61. HELPER HOURS PER DAY
V994	E62. HELPER PAID?
Wave 2 AHEAD HHLIST:	
OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R
Wave 2 HRS:	
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D2024	e95c.iadl meals help
D2029	e96c.iadl groc help
D2034	e97c.iadl phone help
D2039	e98c.iadl med help
D2041	e99.iadls-who help,1
D2050	e100.iadls-who help,2
D2055	e101.iadls-who help,3
D2061	e102.iadls-who help,4
D2067	e103.iadls-who help,5
D2073	e104.iadls-who help,6
D2102	e106c.iadl money who help,1
D2107	e107. money help-1
D2115	e107c.iadl money who help,2
D2121	e108. money helper-2
Wave 3 AHEAD Helper:	
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
OPN	OTHER PERSON NUMBER
Wave 3 HRS:	
E2039	e95c.iadl meals help
E2044	e96c.iadl groc help
E2049	e97c.iadl phone help



E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help  
 F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help  
 F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4  
 F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6  
 F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

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  
 F2658 E158-2. HELPER OFTEN  
 F2659 E158A-2.HELPER PER WEEK  
 F2660 E158B-2.HELPER EVERY DAY  
 F2662 E159-2. HELPER HOURS  
 F2665 E162-2. HELPER PAID  
 OPN OTHER PERSON NUMBER

## Wave 5:

G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help

G2873 e97c.iadl phone help  
 G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2  
 G558 cs11.r in nursing home

## Wave 5 Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HA028 r in nursing home  
 HG043 iadl meal preparation help  
 HG046 iadl groc shop help  
 HG049 iadl making phone calls help  
 HG053 iadl taking medications help  
 HG054\_1 iadls- who helps most-1  
 HG054\_2 iadls- who helps- 2  
 HG054\_3 iadls- who helps- 3  
 HG054\_4 iadls- who helps- 4  
 HG054\_5 iadls- who helps- 5  
 HG054\_6 iadls- who helps- 6  
 HG061 iadl managing money help  
 HG062\_1 who helps manage money-1  
 HG062\_2 who helps manage money-2

## Wave 6 Helper:

HG069 helper relationship  
 HG070 freq of help given- days in last month  
 HG071 freq of help given- days per week  
 HG072 did helper help every dy  
 HG073 #hrs of help  
 HG076 helper paid to help  
 HIADLNDX iadl helper index  
 HMNYNDX money helper index

## Wave 7:

JA028 r in nursing home  
 JG043 iadl meal preparation help  
 JG046 iadl groc shop help  
 JG049 iadl making phone calls help  
 JG053 iadl taking medications help  
 JG054\_1 iadls- who helps most-1  
 JG054\_2 iadls- who helps- 2  
 JG054\_3 iadls- who helps- 3  
 JG054\_4 iadls- who helps- 4  
 JG054\_5 iadls- who helps- 5  
 JG054\_6 iadls- who helps- 6  
 JG061 iadl managing money help

JG062\_1 who helps manage money-1  
JG062\_2 who helps manage money-2  
Wave 7 Helper:  
JG069 helper relationship  
JG070 freq of help given-days last month  
JG071 # days helper helped  
JG072 did helper help every dy  
JG073 #hrs of help  
JG076 helper given money to help  
JIADLNDX index connection to the iadl table  
JMNYNDX index connection to the money table  
Wave 8:  
KA028 r in nursing home  
KG043 iadl meal preparation help  
KG046 iadl groc shop help  
KG049 iadl making phone calls help  
KG053 iadl taking medications help  
KG054\_1 iadls- who helps most-1  
KG054\_2 iadls- who helps- 2  
KG054\_3 iadls- who helps- 3  
KG054\_4 iadls- who helps- 4  
KG054\_5 iadls- who helps- 5  
KG054\_6 iadls- who helps- 6  
KG061 iadl managing money help  
KG062\_1 who helps manage money-1  
KG062\_2 who helps manage money-2  
Wave 8 Helper:  
KG069 helper relationship  
KG070 freq of help given-days last month  
KG071 # days helper helped  
KG072 did helper help every dy  
KG073 #hrs of help  
KG076 helper given money to help  
KIADLNDX index connection to the iadl table  
KMNYNDX index connection to the money table  
Wave 9:  
LA028 r in nursing home  
LG043 iadl meal preparation help  
LG046 iadl groc shop help  
LG049 iadl making phone calls help  
LG053 iadl taking medications help  
LG054\_1 iadls- who helps most-1  
LG054\_2 iadls- who helps- 2  
LG054\_3 iadls- who helps- 3  
LG054\_4 iadls- who helps- 4  
LG054\_5 iadls- who helps- 5  
LG054\_6 iadls- who helps- 6  
LG061 iadl managing money help  
LG062\_1 who helps manage money-1  
LG062\_2 who helps manage money-2  
Wave 9 Helper:  
LG069 helper relationship  
LG070 freq of help given-days last month  
LG071 # days helper helped  
LG072 did helper help every day  
LG073 #hrs of help  
LG076 helper given money to help  
LIADLNDX index connection to the iadl table  
LMNYNDX index connection to the money table  
Wave 10:  
MA028 r in nursing home  
MG043 iadl meal preparation help  
MG046 iadl groc shop help

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MG049      iadl making phone calls help
MG053      iadl taking medications help
MG054_1    iadls- who helps -1
MG054_2    iadls- who helps- 2
MG054_3    iadls- who helps- 3
MG054_4    iadls- who helps- 4
MG054_5    iadls- who helps- 5
MG054_6    iadls- who helps- 6
MG061      iadl managing money help
MG062_1    who helps manage money-1
MG062_2    who helps manage money-2
Wave 10 Helper:
MG069      helper relationship -1
MG070      freq of help given -1
MG071      # days helper helped -1
MG072      did helper help every dy -1
MG073      #hrs of help -1
MG076      helper given money to help -1
MIADLNDX   index connection to the iadl table
MMNYNDX    index connection to the money table
Wave 11:
NA028      r in nursing home
NG043      iadl meal preparation help
NG046      iadl groc shop help
NG049      iadl making phone calls help
NG053      iadl taking medications help
NG054_1    iadls- who helps -1
NG054_2    iadls- who helps- 2
NG054_3    iadls- who helps- 3
NG054_4    iadls- who helps- 4
NG054_5    iadls- who helps- 5
NG054_6    iadls- who helps- 6
NG061      iadl managing money help
NG062_1    who helps manage money-1
NG062_2    who helps manage money-2
Wave 11 Helper:
NG069      helper relationship
NG070      freq of help given
NG071      # days helper helped
NG072      did helper help every dy
NG073      #hrs of help
NG076      helper given money to help
NIADLNDX   index connection to the iadl table
NMNYNDX    index connection to the money table
Wave 12:
OA028      r in nursing home
OG043      iadl meal preparation help
OG046      iadl groc shop help
OG049      iadl making phone calls help
OG053      iadl taking medications help
OG054_1    iadls- who helps -1
OG054_2    iadls- who helps- 2
OG054_3    iadls- who helps- 3
OG054_4    iadls- who helps- 4
OG054_5    iadls- who helps- 5
OG054_6    iadls- who helps- 6
OG061      iadl managing money help
OG062_1    who helps manage money-1
OG062_2    who helps manage money-2
Wave 12 Helper:
OG069      helper relationship
OG070      freq of help given
OG071      # days helper helped
```

OG072	did helper help every dy
OG073	#hrs of help
OG076	helper given money to help
OIADLNDX	index connection to the iadl table
OMNYNDX	index connection to the money table
Wave 13:	
PA028	r in nursing home
PG043	iadl meal preparation help
PG046	iadl groc shop help
PG049	iadl making phone calls help
PG053	iadl taking medications help
PG054_1	iadls- who helps -1
PG054_2	iadls- who helps- 2
PG054_3	iadls- who helps- 3
PG054_4	iadls- who helps- 4
PG054_5	iadls- who helps- 5
PG054_6	iadls- who helps- 6
PG061	iadl managing money help
PG062_1	who helps manage money-1
PG062_2	who helps manage money-2
Wave 13 Helper:	
PG069	helper relationship
PG070	freq of help given
PG071	# days helper helped
PG072	did helper help every dy
PG073	#hrs of help
PG076	helper given money to help
PIADLNDX	index connection to the iadl table
PMNYNDX	index connection to the money table
Wave 14:	
QA028	r in nursing home
QG043	iadl meal preparation help
QG046	iadl groc shop help
QG049	iadl making phone calls help
QG053	iadl taking medications help
QG054_1	iadls- who helps -1
QG054_2	iadls- who helps- 2
QG054_3	iadls- who helps- 3
QG054_4	iadls- who helps- 4
QG054_5	iadls- who helps- 5
QG054_6	iadls- who helps- 6
QG061	iadl managing money help
QG062_1	who helps manage money-1
QG062_2	who helps manage money-2
Wave 14 Helper:	
QG069	HELPER RELATIONSHIP
QG070	FREQ OF HELP GIVEN
QG071	# DAYS HELPER HELPED
QG072	DID HELPER HELP EVERY DY
QG073	#HRS OF HELP
QG076	HELPER GIVEN MONEY TO HELP
QIADLNDX	INDEX CONNECTION TO THE IADL TABLE
QMNYNDX	INDEX CONNECTION TO THE MONEY TABLE
Wave 15:	
RA028	r in nursing home
RG043	iadl meal preparation help
RG046	iadl groc shop help
RG049	iadl making phone calls help
RG053	iadl taking medications help
RG054_1	iadls- who helps -1
RG054_2	iadls- who helps- 2
RG054_3	iadls- who helps- 3
RG054_4	iadls- who helps- 4

RG054_5	iadls- who helps- 5
RG054_6	iadls- who helps- 6
RG061	iadl managing money help
RG062_1	who helps manage money-1
RG062_2	who helps manage money-2
Wave 15 Helper:	
RG069	HELPER RELATIONSHIP
RG070	FREQ OF HELP GIVEN
RG071	# DAYS HELPER HELPED
RG072	DID HELPER HELP EVERY DY
RG073	#HRS OF HELP
RG076	HELPER GIVEN MONEY TO HELP
RIADLNDX	INDEX CONNECTION TO THE IADL TABLE
RMNYNDX	INDEX CONNECTION TO THE MONEY TABLE

<b>Instrumental Activities of Daily Living: Receives Informal Care from Other Individuals</b>
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Wave	Variable	Label	Type
02	R2RIFCARE	r2rifcare:w2 r receives informal care from non-relatives for	Categ
03	R3RIFCARE	r3rifcare:w3 r receives informal care from non-relatives for	Categ
04	R4RIFCARE	r4rifcare:w4 r receives informal care from non-relatives for	Categ
05	R5RIFCARE	r5rifcare:w5 r receives informal care from non-relatives for	Categ
06	R6RIFCARE	r6rifcare:w6 r receives informal care from non-relatives for	Categ
07	R7RIFCARE	r7rifcare:w7 r receives informal care from non-relatives for	Categ
08	R8RIFCARE	r8rifcare:w8 r receives informal care from non-relatives for	Categ
09	R9RIFCARE	r9rifcare:w9 r receives informal care from non-relatives for	Categ
10	R10RIFCARE	r10rifcare:w10 r receives informal care from non-relatives f	Categ
11	R11RIFCARE	r11rifcare:w11 r receives informal care from non-relatives f	Categ
12	R12RIFCARE	r12rifcare:w12 r receives informal care from non-relatives f	Categ
13	R13RIFCARE	r13rifcare:w13 r receives informal care from non-relatives f	Categ
14	R14RIFCARE	r14rifcare:w14 r receives informal care from non-relatives f	Categ
15	R15RIFCARE	r15rifcare:w15 r receives informal care from non-relatives f	Categ
02	S2RIFCARE	s2rifcare:w2 s receives informal care from non-relatives for	Categ
03	S3RIFCARE	s3rifcare:w3 s receives informal care from non-relatives for	Categ
04	S4RIFCARE	s4rifcare:w4 s receives informal care from non-relatives for	Categ
05	S5RIFCARE	s5rifcare:w5 s receives informal care from non-relatives for	Categ
06	S6RIFCARE	s6rifcare:w6 s receives informal care from non-relatives for	Categ
07	S7RIFCARE	s7rifcare:w7 s receives informal care from non-relatives for	Categ
08	S8RIFCARE	s8rifcare:w8 s receives informal care from non-relatives for	Categ
09	S9RIFCARE	s9rifcare:w9 s receives informal care from non-relatives for	Categ
10	S10RIFCARE	s10rifcare:w10 s receives informal care from non-relatives f	Categ
11	S11RIFCARE	s11rifcare:w11 s receives informal care from non-relatives f	Categ
12	S12RIFCARE	s12rifcare:w12 s receives informal care from non-relatives f	Categ
13	S13RIFCARE	s13rifcare:w13 s receives informal care from non-relatives f	Categ
14	S14RIFCARE	s14rifcare:w14 s receives informal care from non-relatives f	Categ
15	S15RIFCARE	s15rifcare:w15 s receives informal care from non-relatives f	Categ
02	R2RIFCAREN	r2rifcaren:w2 # non-relatives who help r with iadls	Cont
03	R3RIFCAREN	r3rifcaren:w3 # non-relatives who help r with iadls	Cont
04	R4RIFCAREN	r4rifcaren:w4 # non-relatives who help r with iadls	Cont
05	R5RIFCAREN	r5rifcaren:w5 # non-relatives who help r with iadls	Cont
06	R6RIFCAREN	r6rifcaren:w6 # non-relatives who help r with iadls	Cont
07	R7RIFCAREN	r7rifcaren:w7 # non-relatives who help r with iadls	Cont
08	R8RIFCAREN	r8rifcaren:w8 # non-relatives who help r with iadls	Cont
09	R9RIFCAREN	r9rifcaren:w9 # non-relatives who help r with iadls	Cont
10	R10RIFCAREN	r10rifcaren:w10 # non-relatives who help r with iadls	Cont
11	R11RIFCAREN	r11rifcaren:w11 # non-relatives who help r with iadls	Cont
12	R12RIFCAREN	r12rifcaren:w12 # non-relatives who help r with iadls	Cont
13	R13RIFCAREN	r13rifcaren:w13 # non-relatives who help r with iadls	Cont
14	R14RIFCAREN	r14rifcaren:w14 # non-relatives who help r with iadls	Cont
15	R15RIFCAREN	r15rifcaren:w15 # non-relatives who help r with iadls	Cont
02	S2RIFCAREN	s2rifcaren:w2 # non-relatives who help s with iadls	Cont
03	S3RIFCAREN	s3rifcaren:w3 # non-relatives who help s with iadls	Cont
04	S4RIFCAREN	s4rifcaren:w4 # non-relatives who help s with iadls	Cont
05	S5RIFCAREN	s5rifcaren:w5 # non-relatives who help s with iadls	Cont
06	S6RIFCAREN	s6rifcaren:w6 # non-relatives who help s with iadls	Cont
07	S7RIFCAREN	s7rifcaren:w7 # non-relatives who help s with iadls	Cont
08	S8RIFCAREN	s8rifcaren:w8 # non-relatives who help s with iadls	Cont
09	S9RIFCAREN	s9rifcaren:w9 # non-relatives who help s with iadls	Cont
10	S10RIFCAREN	s10rifcaren:w10 # non-relatives who help s with iadls	Cont
11	S11RIFCAREN	s11rifcaren:w11 # non-relatives who help s with iadls	Cont
12	S12RIFCAREN	s12rifcaren:w12 # non-relatives who help s with iadls	Cont
13	S13RIFCAREN	s13rifcaren:w13 # non-relatives who help s with iadls	Cont

14	S14RIFCAREN	s14rifcaren:w14 # non-relatives who help s with iadls	Cont
15	S15RIFCAREN	s15rifcaren:w15 # non-relatives who help s with iadls	Cont
03	R3RIFCAREDPM	r3rifcaredpm:w3 days/month non-relatives help r with iadls	Cont
04	R4RIFCAREDPM	r4rifcaredpm:w4 days/month non-relatives help r with iadls	Cont
05	R5RIFCAREDPM	r5rifcaredpm:w5 days/month non-relatives help r with iadls	Cont
06	R6RIFCAREDPM	r6rifcaredpm:w6 days/month non-relatives help r with iadls	Cont
07	R7RIFCAREDPM	r7rifcaredpm:w7 days/month non-relatives help r with iadls	Cont
08	R8RIFCAREDPM	r8rifcaredpm:w8 days/month non-relatives help r with iadls	Cont
09	R9RIFCAREDPM	r9rifcaredpm:w9 days/month non-relatives help r with iadls	Cont
10	R10RIFCAREDPM	r10rifcaredpm:w10 days/month non-relatives help r with iadls	Cont
11	R11RIFCAREDPM	r11rifcaredpm:w11 days/month non-relatives help r with iadls	Cont
12	R12RIFCAREDPM	r12rifcaredpm:w12 days/month non-relatives help r with iadls	Cont
13	R13RIFCAREDPM	r13rifcaredpm:w13 days/month non-relatives help r with iadls	Cont
14	R14RIFCAREDPM	r14rifcaredpm:w14 days/month non-relatives help r with iadls	Cont
15	R15RIFCAREDPM	r15rifcaredpm:w15 days/month non-relatives help r with iadls	Cont
03	S3RIFCAREDPM	s3rifcaredpm:w3 days/month non-relatives help s with iadls	Cont
04	S4RIFCAREDPM	s4rifcaredpm:w4 days/month non-relatives help s with iadls	Cont
05	S5RIFCAREDPM	s5rifcaredpm:w5 days/month non-relatives help s with iadls	Cont
06	S6RIFCAREDPM	s6rifcaredpm:w6 days/month non-relatives help s with iadls	Cont
07	S7RIFCAREDPM	s7rifcaredpm:w7 days/month non-relatives help s with iadls	Cont
08	S8RIFCAREDPM	s8rifcaredpm:w8 days/month non-relatives help s with iadls	Cont
09	S9RIFCAREDPM	s9rifcaredpm:w9 days/month non-relatives help s with iadls	Cont
10	S10RIFCAREDPM	s10rifcaredpm:w10 days/month non-relatives help s with iadls	Cont
11	S11RIFCAREDPM	s11rifcaredpm:w11 days/month non-relatives help s with iadls	Cont
12	S12RIFCAREDPM	s12rifcaredpm:w12 days/month non-relatives help s with iadls	Cont
13	S13RIFCAREDPM	s13rifcaredpm:w13 days/month non-relatives help s with iadls	Cont
14	S14RIFCAREDPM	s14rifcaredpm:w14 days/month non-relatives help s with iadls	Cont
15	S15RIFCAREDPM	s15rifcaredpm:w15 days/month non-relatives help s with iadls	Cont
03	R3RIFCAREDPMM	r3rifcaredpmm:w3 r # non-relatives missing days of help for	Cont
04	R4RIFCAREDPMM	r4rifcaredpmm:w4 r # non-relatives missing days of help for	Cont
05	R5RIFCAREDPMM	r5rifcaredpmm:w5 r # non-relatives missing days of help for	Cont
06	R6RIFCAREDPMM	r6rifcaredpmm:w6 r # non-relatives missing days of help for	Cont
07	R7RIFCAREDPMM	r7rifcaredpmm:w7 r # non-relatives missing days of help for	Cont
08	R8RIFCAREDPMM	r8rifcaredpmm:w8 r # non-relatives missing days of help for	Cont
09	R9RIFCAREDPMM	r9rifcaredpmm:w9 r # non-relatives missing days of help for	Cont
10	R10RIFCAREDPMM	r10rifcaredpmm:w10 r # non-relatives missing days of help fo	Cont
11	R11RIFCAREDPMM	r11rifcaredpmm:w11 r # non-relatives missing days of help fo	Cont
12	R12RIFCAREDPMM	r12rifcaredpmm:w12 r # non-relatives missing days of help fo	Cont
13	R13RIFCAREDPMM	r13rifcaredpmm:w13 r # non-relatives missing days of help fo	Cont
14	R14RIFCAREDPMM	r14rifcaredpmm:w14 r # non-relatives missing days of help fo	Cont
15	R15RIFCAREDPMM	r15rifcaredpmm:w15 r # non-relatives missing days of help fo	Cont
03	S3RIFCAREDPMM	s3rifcaredpmm:w3 s # non-relatives missing days of help for	Cont
04	S4RIFCAREDPMM	s4rifcaredpmm:w4 s # non-relatives missing days of help for	Cont
05	S5RIFCAREDPMM	s5rifcaredpmm:w5 s # non-relatives missing days of help for	Cont
06	S6RIFCAREDPMM	s6rifcaredpmm:w6 s # non-relatives missing days of help for	Cont
07	S7RIFCAREDPMM	s7rifcaredpmm:w7 s # non-relatives missing days of help for	Cont
08	S8RIFCAREDPMM	s8rifcaredpmm:w8 s # non-relatives missing days of help for	Cont
09	S9RIFCAREDPMM	s9rifcaredpmm:w9 s # non-relatives missing days of help for	Cont
10	S10RIFCAREDPMM	s10rifcaredpmm:w10 s # non-relatives missing days of help fo	Cont
11	S11RIFCAREDPMM	s11rifcaredpmm:w11 s # non-relatives missing days of help fo	Cont
12	S12RIFCAREDPMM	s12rifcaredpmm:w12 s # non-relatives missing days of help fo	Cont
13	S13RIFCAREDPMM	s13rifcaredpmm:w13 s # non-relatives missing days of help fo	Cont
14	S14RIFCAREDPMM	s14rifcaredpmm:w14 s # non-relatives missing days of help fo	Cont
15	S15RIFCAREDPMM	s15rifcaredpmm:w15 s # non-relatives missing days of help fo	Cont
02	R2RIFCAREHR	r2rifcarehr:w2 hours/day non-relatives help r with iadls	Cont
03	R3RIFCAREHR	r3rifcarehr:w3 hours/day non-relatives help r with iadls	Cont
04	R4RIFCAREHR	r4rifcarehr:w4 hours/day non-relatives help r with iadls	Cont
05	R5RIFCAREHR	r5rifcarehr:w5 hours/day non-relatives help r with iadls	Cont



06	R6RIFCAREHR	r6rifcarehr:w6 hours/day non-relatives help r with iadls	Cont
07	R7RIFCAREHR	r7rifcarehr:w7 hours/day non-relatives help r with iadls	Cont
08	R8RIFCAREHR	r8rifcarehr:w8 hours/day non-relatives help r with iadls	Cont
09	R9RIFCAREHR	r9rifcarehr:w9 hours/day non-relatives help r with iadls	Cont
10	R10RIFCAREHR	r10rifcarehr:w10 hours/day non-relatives help r with iadls	Cont
11	R11RIFCAREHR	r11rifcarehr:w11 hours/day non-relatives help r with iadls	Cont
12	R12RIFCAREHR	r12rifcarehr:w12 hours/day non-relatives help r with iadls	Cont
13	R13RIFCAREHR	r13rifcarehr:w13 hours/day non-relatives help r with iadls	Cont
14	R14RIFCAREHR	r14rifcarehr:w14 hours/day non-relatives help r with iadls	Cont
15	R15RIFCAREHR	r15rifcarehr:w15 hours/day non-relatives help r with iadls	Cont
02	S2RIFCAREHR	s2rifcarehr:w2 hours/day non-relatives help s with iadls	Cont
03	S3RIFCAREHR	s3rifcarehr:w3 hours/day non-relatives help s with iadls	Cont
04	S4RIFCAREHR	s4rifcarehr:w4 hours/day non-relatives help s with iadls	Cont
05	S5RIFCAREHR	s5rifcarehr:w5 hours/day non-relatives help s with iadls	Cont
06	S6RIFCAREHR	s6rifcarehr:w6 hours/day non-relatives help s with iadls	Cont
07	S7RIFCAREHR	s7rifcarehr:w7 hours/day non-relatives help s with iadls	Cont
08	S8RIFCAREHR	s8rifcarehr:w8 hours/day non-relatives help s with iadls	Cont
09	S9RIFCAREHR	s9rifcarehr:w9 hours/day non-relatives help s with iadls	Cont
10	S10RIFCAREHR	s10rifcarehr:w10 hours/day non-relatives help s with iadls	Cont
11	S11RIFCAREHR	s11rifcarehr:w11 hours/day non-relatives help s with iadls	Cont
12	S12RIFCAREHR	s12rifcarehr:w12 hours/day non-relatives help s with iadls	Cont
13	S13RIFCAREHR	s13rifcarehr:w13 hours/day non-relatives help s with iadls	Cont
14	S14RIFCAREHR	s14rifcarehr:w14 hours/day non-relatives help s with iadls	Cont
15	S15RIFCAREHR	s15rifcarehr:w15 hours/day non-relatives help s with iadls	Cont
02	R2RIFCAREHRM	r2rifcarehrm:w2 r # non-relatives missing hours of help for	Cont
03	R3RIFCAREHRM	r3rifcarehrm:w3 r # non-relatives missing hours of help for	Cont
04	R4RIFCAREHRM	r4rifcarehrm:w4 r # non-relatives missing hours of help for	Cont
05	R5RIFCAREHRM	r5rifcarehrm:w5 r # non-relatives missing hours of help for	Cont
06	R6RIFCAREHRM	r6rifcarehrm:w6 r # non-relatives missing hours of help for	Cont
07	R7RIFCAREHRM	r7rifcarehrm:w7 r # non-relatives missing hours of help for	Cont
08	R8RIFCAREHRM	r8rifcarehrm:w8 r # non-relatives missing hours of help for	Cont
09	R9RIFCAREHRM	r9rifcarehrm:w9 r # non-relatives missing hours of help for	Cont
10	R10RIFCAREHRM	r10rifcarehrm:w10 r # non-relatives missing hours of help fo	Cont
11	R11RIFCAREHRM	r11rifcarehrm:w11 r # non-relatives missing hours of help fo	Cont
12	R12RIFCAREHRM	r12rifcarehrm:w12 r # non-relatives missing hours of help fo	Cont
13	R13RIFCAREHRM	r13rifcarehrm:w13 r # non-relatives missing hours of help fo	Cont
14	R14RIFCAREHRM	r14rifcarehrm:w14 r # non-relatives missing hours of help fo	Cont
15	R15RIFCAREHRM	r15rifcarehrm:w15 r # non-relatives missing hours of help fo	Cont
02	S2RIFCAREHRM	s2rifcarehrm:w2 s # non-relatives missing hours of help for	Cont
03	S3RIFCAREHRM	s3rifcarehrm:w3 s # non-relatives missing hours of help for	Cont
04	S4RIFCAREHRM	s4rifcarehrm:w4 s # non-relatives missing hours of help for	Cont
05	S5RIFCAREHRM	s5rifcarehrm:w5 s # non-relatives missing hours of help for	Cont
06	S6RIFCAREHRM	s6rifcarehrm:w6 s # non-relatives missing hours of help for	Cont
07	S7RIFCAREHRM	s7rifcarehrm:w7 s # non-relatives missing hours of help for	Cont
08	S8RIFCAREHRM	s8rifcarehrm:w8 s # non-relatives missing hours of help for	Cont
09	S9RIFCAREHRM	s9rifcarehrm:w9 s # non-relatives missing hours of help for	Cont
10	S10RIFCAREHRM	s10rifcarehrm:w10 s # non-relatives missing hours of help fo	Cont
11	S11RIFCAREHRM	s11rifcarehrm:w11 s # non-relatives missing hours of help fo	Cont
12	S12RIFCAREHRM	s12rifcarehrm:w12 s # non-relatives missing hours of help fo	Cont
13	S13RIFCAREHRM	s13rifcarehrm:w13 s # non-relatives missing hours of help fo	Cont
14	S14RIFCAREHRM	s14rifcarehrm:w14 s # non-relatives missing hours of help fo	Cont
15	S15RIFCAREHRM	s15rifcarehrm:w15 s # non-relatives missing hours of help fo	Cont
02	R2RIFCAREPD	r2rifcarepd:w2 any non-relative paid for care given to r for	Categ
03	R3RIFCAREPD	r3rifcarepd:w3 any non-relative paid for care given to r for	Categ
04	R4RIFCAREPD	r4rifcarepd:w4 any non-relative paid for care given to r for	Categ
05	R5RIFCAREPD	r5rifcarepd:w5 any non-relative paid for care given to r for	Categ
06	R6RIFCAREPD	r6rifcarepd:w6 any non-relative paid for care given to r for	Categ
07	R7RIFCAREPD	r7rifcarepd:w7 any non-relative paid for care given to r for	Categ
08	R8RIFCAREPD	r8rifcarepd:w8 any non-relative paid for care given to r for	Categ

09	R9RIFCAREPD	r9rifcarepd:w9 any non-relative paid for care given to r for	Categ
10	R10RIFCAREPD	r10rifcarepd:w10 any non-relative paid for care given to r f	Categ
11	R11RIFCAREPD	r11rifcarepd:w11 any non-relative paid for care given to r f	Categ
12	R12RIFCAREPD	r12rifcarepd:w12 any non-relative paid for care given to r f	Categ
13	R13RIFCAREPD	r13rifcarepd:w13 any non-relative paid for care given to r f	Categ
14	R14RIFCAREPD	r14rifcarepd:w14 any non-relative paid for care given to r f	Categ
15	R15RIFCAREPD	r15rifcarepd:w15 any non-relative paid for care given to r f	Categ
02	S2RIFCAREPD	s2rifcarepd:w2 any non-relative paid for care given to s for	Categ
03	S3RIFCAREPD	s3rifcarepd:w3 any non-relative paid for care given to s for	Categ
04	S4RIFCAREPD	s4rifcarepd:w4 any non-relative paid for care given to s for	Categ
05	S5RIFCAREPD	s5rifcarepd:w5 any non-relative paid for care given to s for	Categ
06	S6RIFCAREPD	s6rifcarepd:w6 any non-relative paid for care given to s for	Categ
07	S7RIFCAREPD	s7rifcarepd:w7 any non-relative paid for care given to s for	Categ
08	S8RIFCAREPD	s8rifcarepd:w8 any non-relative paid for care given to s for	Categ
09	S9RIFCAREPD	s9rifcarepd:w9 any non-relative paid for care given to s for	Categ
10	S10RIFCAREPD	s10rifcarepd:w10 any non-relative paid for care given to s f	Categ
11	S11RIFCAREPD	s11rifcarepd:w11 any non-relative paid for care given to s f	Categ
12	S12RIFCAREPD	s12rifcarepd:w12 any non-relative paid for care given to s f	Categ
13	S13RIFCAREPD	s13rifcarepd:w13 any non-relative paid for care given to s f	Categ
14	S14RIFCAREPD	s14rifcarepd:w14 any non-relative paid for care given to s f	Categ
15	S15RIFCAREPD	s15rifcarepd:w15 any non-relative paid for care given to s f	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RIFCARE	2232	0.13	0.34	0.00	1.00
R3RIFCARE	2256	0.10	0.30	0.00	1.00
R4RIFCARE	2578	0.13	0.33	0.00	1.00
R5RIFCARE	2356	0.12	0.32	0.00	1.00
R6RIFCARE	2354	0.13	0.33	0.00	1.00
R7RIFCARE	2496	0.13	0.34	0.00	1.00
R8RIFCARE	2436	0.13	0.34	0.00	1.00
R9RIFCARE	2249	0.13	0.34	0.00	1.00
R10RIFCARE	2935	0.15	0.36	0.00	1.00
R11RIFCARE	2782	0.09	0.28	0.00	1.00
R12RIFCARE	2653	0.10	0.30	0.00	1.00
R13RIFCARE	2737	0.09	0.29	0.00	1.00
R14RIFCARE	2181	0.10	0.30	0.00	1.00
R15RIFCARE	1931	0.09	0.29	0.00	1.00
S2RIFCARE	1070	0.04	0.20	0.00	1.00
S3RIFCARE	1050	0.03	0.18	0.00	1.00
S4RIFCARE	1224	0.06	0.24	0.00	1.00
S5RIFCARE	1085	0.05	0.22	0.00	1.00
S6RIFCARE	1028	0.05	0.23	0.00	1.00
S7RIFCARE	1156	0.06	0.24	0.00	1.00
S8RIFCARE	1107	0.07	0.25	0.00	1.00
S9RIFCARE	964	0.06	0.24	0.00	1.00
S10RIFCARE	1369	0.06	0.24	0.00	1.00
S11RIFCARE	1277	0.03	0.16	0.00	1.00
S12RIFCARE	1196	0.04	0.19	0.00	1.00
S13RIFCARE	1209	0.03	0.18	0.00	1.00
S14RIFCARE	953	0.04	0.19	0.00	1.00
S15RIFCARE	810	0.03	0.18	0.00	1.00
R2RIFCAREN	2232	0.15	0.41	0.00	3.00
R3RIFCAREN	2256	0.12	0.40	0.00	4.00
R4RIFCAREN	2578	0.15	0.43	0.00	4.00
R5RIFCAREN	2356	0.14	0.42	0.00	4.00
R6RIFCAREN	2354	0.14	0.41	0.00	3.00
R7RIFCAREN	2496	0.17	0.47	0.00	5.00

R8RIFCAREN	2436	0.15	0.45	0.00	5.00
R9RIFCAREN	2249	0.16	0.47	0.00	5.00
R10RIFCAREN	2935	0.19	0.52	0.00	6.00
R11RIFCAREN	2782	0.10	0.35	0.00	4.00
R12RIFCAREN	2653	0.12	0.40	0.00	5.00
R13RIFCAREN	2737	0.12	0.40	0.00	4.00
R14RIFCAREN	2181	0.11	0.38	0.00	5.00
R15RIFCAREN	1931	0.11	0.36	0.00	4.00
S2RIFCAREN	1070	0.05	0.23	0.00	2.00
S3RIFCAREN	1050	0.04	0.22	0.00	2.00
S4RIFCAREN	1224	0.08	0.31	0.00	3.00
S5RIFCAREN	1085	0.06	0.25	0.00	2.00
S6RIFCAREN	1028	0.06	0.24	0.00	2.00
S7RIFCAREN	1156	0.07	0.32	0.00	3.00
S8RIFCAREN	1107	0.07	0.28	0.00	2.00
S9RIFCAREN	964	0.07	0.30	0.00	2.00
S10RIFCAREN	1369	0.07	0.32	0.00	3.00
S11RIFCAREN	1277	0.03	0.17	0.00	2.00
S12RIFCAREN	1196	0.04	0.22	0.00	2.00
S13RIFCAREN	1209	0.04	0.25	0.00	4.00
S14RIFCAREN	953	0.04	0.22	0.00	2.00
S15RIFCAREN	810	0.03	0.20	0.00	2.00
R3RIFCAREDPM	2252	1.96	7.64	0.00	93.00
R4RIFCAREDPM	2554	2.00	7.26	0.00	62.00
R5RIFCAREDPM	2338	1.90	7.15	0.00	82.00
R6RIFCAREDPM	2345	2.14	7.71	0.00	62.00
R7RIFCAREDPM	2493	2.06	7.23	0.00	63.00
R8RIFCAREDPM	2429	2.11	7.35	0.00	62.00
R9RIFCAREDPM	2247	2.14	7.60	0.00	71.00
R10RIFCAREDPM	2926	2.60	8.78	0.00	155.00
R11RIFCAREDPM	2770	1.13	5.31	0.00	60.00
R12RIFCAREDPM	2645	1.31	5.73	0.00	62.00
R13RIFCAREDPM	2731	1.24	5.94	0.00	66.00
R14RIFCAREDPM	2173	1.10	5.00	0.00	62.00
R15RIFCAREDPM	1926	1.05	4.85	0.00	46.00
S3RIFCAREDPM	1050	0.54	3.89	0.00	62.00
S4RIFCAREDPM	1217	0.98	5.22	0.00	62.00
S5RIFCAREDPM	1081	0.87	4.73	0.00	52.00
S6RIFCAREDPM	1026	0.95	4.92	0.00	60.00
S7RIFCAREDPM	1156	0.79	4.35	0.00	62.00
S8RIFCAREDPM	1106	1.08	5.52	0.00	62.00
S9RIFCAREDPM	964	1.01	5.02	0.00	62.00
S10RIFCAREDPM	1367	0.90	4.85	0.00	54.00
S11RIFCAREDPM	1277	0.24	2.17	0.00	31.00
S12RIFCAREDPM	1196	0.45	3.21	0.00	31.00
S13RIFCAREDPM	1207	0.30	2.50	0.00	31.00
S14RIFCAREDPM	953	0.37	3.06	0.00	62.00
S15RIFCAREDPM	809	0.36	3.01	0.00	31.00
R3RIFCAREDPMM	2256	0.00	0.07	0.00	2.00
R4RIFCAREDPMM	2578	0.01	0.07	0.00	1.00
R5RIFCAREDPMM	2356	0.00	0.07	0.00	1.00
R6RIFCAREDPMM	2354	0.00	0.06	0.00	1.00
R7RIFCAREDPMM	2496	0.00	0.07	0.00	2.00
R8RIFCAREDPMM	2436	0.00	0.07	0.00	2.00
R9RIFCAREDPMM	2249	0.00	0.04	0.00	1.00
R10RIFCAREDPMM	2935	0.01	0.08	0.00	2.00
R11RIFCAREDPMM	2782	0.00	0.07	0.00	1.00
R12RIFCAREDPMM	2653	0.00	0.06	0.00	1.00
R13RIFCAREDPMM	2737	0.00	0.07	0.00	2.00

R14RIFCAREDPMM	2181	0.00	0.07	0.00	2.00
R15RIFCAREDPMM	1931	0.01	0.09	0.00	2.00
S3RIFCAREDPMM	1050	0.00	0.00	0.00	0.00
S4RIFCAREDPMM	1224	0.00	0.04	0.00	1.00
S5RIFCAREDPMM	1085	0.00	0.00	0.00	0.00
S6RIFCAREDPMM	1028	0.00	0.04	0.00	1.00
S7RIFCAREDPMM	1156	0.00	0.04	0.00	1.00
S8RIFCAREDPMM	1107	0.00	0.06	0.00	2.00
S9RIFCAREDPMM	964	0.00	0.00	0.00	0.00
S10RIFCAREDPMM	1369	0.00	0.04	0.00	1.00
S11RIFCAREDPMM	1277	0.00	0.00	0.00	0.00
S12RIFCAREDPMM	1196	0.00	0.00	0.00	0.00
S13RIFCAREDPMM	1209	0.00	0.05	0.00	1.00
S14RIFCAREDPMM	953	0.00	0.00	0.00	0.00
S15RIFCAREDPMM	810	0.00	0.07	0.00	2.00
R2RIFCAREHR	2156	0.52	2.52	0.00	50.00
R3RIFCAREHR	2242	0.56	2.90	0.00	48.00
R4RIFCAREHR	2547	0.65	3.12	0.00	72.00
R5RIFCAREHR	2331	0.62	2.93	0.00	48.00
R6RIFCAREHR	2335	0.74	3.32	0.00	48.00
R7RIFCAREHR	2476	0.77	3.54	0.00	52.00
R8RIFCAREHR	2405	0.71	3.92	0.00	120.00
R9RIFCAREHR	2233	0.86	4.18	0.00	72.00
R10RIFCAREHR	2899	0.90	4.35	0.00	120.00
R11RIFCAREHR	2756	0.34	2.09	0.00	48.00
R12RIFCAREHR	2629	0.42	2.44	0.00	48.00
R13RIFCAREHR	2704	0.42	2.37	0.00	48.00
R14RIFCAREHR	2158	0.40	2.25	0.00	48.00
R15RIFCAREHR	1899	0.30	1.90	0.00	48.00
S2RIFCAREHR	1060	0.21	1.62	0.00	24.00
S3RIFCAREHR	1049	0.19	1.54	0.00	24.00
S4RIFCAREHR	1216	0.30	1.90	0.00	32.00
S5RIFCAREHR	1080	0.34	2.40	0.00	48.00
S6RIFCAREHR	1025	0.33	2.36	0.00	48.00
S7RIFCAREHR	1153	0.29	1.70	0.00	24.00
S8RIFCAREHR	1097	0.37	2.24	0.00	32.00
S9RIFCAREHR	963	0.45	3.00	0.00	48.00
S10RIFCAREHR	1366	0.29	1.71	0.00	35.00
S11RIFCAREHR	1272	0.06	0.50	0.00	10.00
S12RIFCAREHR	1191	0.13	1.11	0.00	24.00
S13RIFCAREHR	1205	0.14	1.59	0.00	48.00
S14RIFCAREHR	949	0.19	1.97	0.00	48.00
S15RIFCAREHR	803	0.07	0.57	0.00	8.00
R2RIFCAREHRM	2232	0.04	0.21	0.00	2.00
R3RIFCAREHRM	2256	0.01	0.10	0.00	2.00
R4RIFCAREHRM	2578	0.02	0.16	0.00	4.00
R5RIFCAREHRM	2356	0.02	0.15	0.00	2.00
R6RIFCAREHRM	2354	0.01	0.10	0.00	1.00
R7RIFCAREHRM	2496	0.02	0.13	0.00	2.00
R8RIFCAREHRM	2436	0.02	0.13	0.00	2.00
R9RIFCAREHRM	2249	0.01	0.12	0.00	2.00
R10RIFCAREHRM	2935	0.02	0.15	0.00	2.00
R11RIFCAREHRM	2782	0.01	0.12	0.00	3.00
R12RIFCAREHRM	2653	0.01	0.13	0.00	2.00
R13RIFCAREHRM	2737	0.02	0.15	0.00	4.00
R14RIFCAREHRM	2181	0.01	0.12	0.00	2.00
R15RIFCAREHRM	1931	0.02	0.15	0.00	2.00
S2RIFCAREHRM	1070	0.01	0.11	0.00	1.00

S3RIFCAREHRM	1050	0.00	0.03	0.00	1.00
S4RIFCAREHRM	1224	0.01	0.09	0.00	1.00
S5RIFCAREHRM	1085	0.00	0.07	0.00	1.00
S6RIFCAREHRM	1028	0.00	0.05	0.00	1.00
S7RIFCAREHRM	1156	0.01	0.09	0.00	2.00
S8RIFCAREHRM	1107	0.01	0.11	0.00	2.00
S9RIFCAREHRM	964	0.00	0.05	0.00	1.00
S10RIFCAREHRM	1369	0.00	0.06	0.00	1.00
S11RIFCAREHRM	1277	0.00	0.06	0.00	1.00
S12RIFCAREHRM	1196	0.01	0.09	0.00	2.00
S13RIFCAREHRM	1209	0.00	0.06	0.00	1.00
S14RIFCAREHRM	953	0.01	0.07	0.00	1.00
S15RIFCAREHRM	810	0.01	0.11	0.00	2.00
R2RIFCAREPD	2161	0.06	0.23	0.00	1.00
R3RIFCAREPD	2253	0.05	0.22	0.00	1.00
R4RIFCAREPD	2559	0.06	0.24	0.00	1.00
R5RIFCAREPD	2346	0.06	0.23	0.00	1.00
R6RIFCAREPD	2347	0.07	0.25	0.00	1.00
R7RIFCAREPD	2481	0.07	0.25	0.00	1.00
R8RIFCAREPD	2420	0.07	0.26	0.00	1.00
R9RIFCAREPD	2237	0.07	0.25	0.00	1.00
R10RIFCAREPD	2914	0.08	0.27	0.00	1.00
R11RIFCAREPD	2769	0.02	0.15	0.00	1.00
R12RIFCAREPD	2638	0.02	0.15	0.00	1.00
R13RIFCAREPD	2723	0.02	0.15	0.00	1.00
R14RIFCAREPD	2169	0.03	0.17	0.00	1.00
R15RIFCAREPD	1914	0.03	0.16	0.00	1.00
S2RIFCAREPD	1061	0.02	0.13	0.00	1.00
S3RIFCAREPD	1049	0.01	0.12	0.00	1.00
S4RIFCAREPD	1218	0.04	0.19	0.00	1.00
S5RIFCAREPD	1081	0.03	0.17	0.00	1.00
S6RIFCAREPD	1027	0.04	0.19	0.00	1.00
S7RIFCAREPD	1153	0.03	0.18	0.00	1.00
S8RIFCAREPD	1102	0.04	0.21	0.00	1.00
S9RIFCAREPD	963	0.04	0.19	0.00	1.00
S10RIFCAREPD	1367	0.03	0.18	0.00	1.00
S11RIFCAREPD	1273	0.01	0.08	0.00	1.00
S12RIFCAREPD	1193	0.01	0.10	0.00	1.00
S13RIFCAREPD	1208	0.01	0.10	0.00	1.00
S14RIFCAREPD	952	0.01	0.12	0.00	1.00
S15RIFCAREPD	804	0.01	0.11	0.00	1.00

### Categorical Variable Codes

Value-----	R2RIFCARE	R3RIFCARE	R4RIFCARE	R5RIFCARE	
.d:DK	27	5	1	3	
.h:no help received		494	578	522	
.m:Missing	1	48	34	29	
.q:not asked this wave	11595				
.r:Refuse			1	1	
.x:no difficulties	5962	15188	18192	16667	
0.no	1935	2030	2249	2081	
1.yes	297	226	329	275	
Value-----	R6RIFCARE	R7RIFCARE	R8RIFCARE	R9RIFCARE	R10RIFCARE
.d:DK	3	5		2	6
.h:no help received	476	566	531	537	828
.m:Missing	11	14	9	13	139
.r:Refuse	3	1		1	4
.x:no difficulties	15318	17047	15493	14415	18122
0.no	2057	2166	2121	1956	2488
1.yes	297	330	315	293	447

Value-----	R11RIFCARE	R12RIFCARE	R13RIFCARE	R14RIFCARE	R15RIFCARE
.d:DK	4	18	13	7	6
.h:no help received	713	740	832	689	543
.m:Missing	19	17	38	33	78
.r:Refuse	4	3	1	3	1
.x:no difficulties	17032	15316	17291	14233	13164
0.no	2541	2391	2483	1971	1750
1.yes	241	262	254	210	181

Value-----	S2RIFCARE	S3RIFCARE	S4RIFCARE	S5RIFCARE
.d:DK	7	2		
.h:no help received		248	291	250
.m:Missing	1	16	7	8
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3272	10600	12456	11387
0.no	1025	1015	1146	1030
1.yes	45	35	78	55

Value-----	S6RIFCARE	S7RIFCARE	S8RIFCARE	S9RIFCARE	S10RIFCARE
.d:DK	1	3			
.h:no help received	219	257	259	252	355
.m:Missing	3	1	2	4	83
.r:Refuse	1				2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10380	11551	10360	9420	11699
0.no	972	1087	1033	905	1287
1.yes	56	69	74	59	82

Value-----	S11RIFCARE	S12RIFCARE	S13RIFCARE	S14RIFCARE	S15RIFCARE
.d:DK	1	4	5	1	1
.h:no help received	318	295	284	248	198
.m:Missing	5	4	8	8	12
.r:Refuse	1			2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10874	9513	10272	8146	7444
0.no	1244	1152	1168	918	784
1.yes	33	44	41	35	26

Value-----	R2RIFCAREPD	R3RIFCAREPD	R4RIFCAREPD	R5RIFCAREPD
.d:DK	27	5	4	4
.h:no help received		494	578	522
.m:Missing	2	51	49	38
.q:not asked this wave	11595			
.r:Refuse			2	1
.w:less than weekly help	70			
.x:no difficulties	5962	15188	18192	16667
0.no	2037	2137	2406	2212
1.yes	124	116	153	134

Value-----	R6RIFCAREPD	R7RIFCAREPD	R8RIFCAREPD	R9RIFCAREPD	R10RIFCAREPD
.d:DK	4	5	1	2	9
.h:no help received	476	566	531	537	828
.m:Missing	17	28	23	25	156
.r:Refuse	3	2	1	1	5
.x:no difficulties	15318	17047	15493	14415	18122
0.no	2185	2318	2246	2086	2689
1.yes	162	163	174	151	225

Value-----	R11RIFCAREPD	R12RIFCAREPD	R13RIFCAREPD	R14RIFCAREPD	R15RIFCAREPD
.d:DK	4	18	13	7	7
.h:no help received	713	740	832	689	543
.m:Missing	32	30	52	44	94
.r:Refuse	4	5	1	4	1
.x:no difficulties	17032	15316	17291	14233	13164
0.no	2707	2580	2657	2101	1866
1.yes	62	58	66	68	48

Value-----	S2RIFCAREPD	S3RIFCAREPD	S4RIFCAREPD	S5RIFCAREPD
.d:DK	7	2		
.h:no help received		248	291	250
.m:Missing	1	17	13	12
.q:not asked this wave	8738			

.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.w:less than weekly help		9			
.x:no difficulties		3272	10600	12456	11387
0.no		1042	1034	1174	1049
1.yes		19	15	44	32
Value-----	S6RIFCAREPD	S7RIFCAREPD	S8RIFCAREPD	S9RIFCAREPD	S10RIFCAREPD
.d:DK	1	3			
.h:no help received	219	257	259	252	355
.m:Missing	4	4	7	5	85
.r:Refuse	1				2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10380	11551	10360	9420	11699
0.no	988	1115	1053	927	1322
1.yes	39	38	49	36	45
Value-----	S11RIFCAREPD	S12RIFCAREPD	S13RIFCAREPD	S14RIFCAREPD	S15RIFCAREPD
.d:DK	1	4	5	1	2
.h:no help received	318	295	284	248	198
.m:Missing	9	7	9	9	17
.r:Refuse	1			2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10874	9513	10272	8146	7444
0.no	1264	1181	1196	938	795
1.yes	9	12	12	14	9

## How Constructed:

The following variables indicate whether any non-relative helps the respondent with any IADL needs. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any IADL, and are coded as special missing .h if the respondent reports difficulty with an IADL but does not receive any help. Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRIFCARE, RwRIFCAREN, RwRIFCAREDP, RwRIFCAREDPMM, RwRIFCAREHR, RwRIFCAREHRM, and RwRIFCAREPD include help from other individuals in the AHEAD cohort in Wave 2 and in Waves 3 through 5. These variables include help from other individuals and persons of unknown relationships in Waves 6 and onward.

RwRIFCARE indicates whether any of the respondent's non-relatives help the respondent with IADL needs. RwRIFCAREN indicates the number of the respondent's non-relatives who help the respondent with IADL needs. RwRIFCARE is coded as 0 if none of the respondent's non-relatives help the respondent with IADLs, and is coded as 1 if at least one of the respondent's non-relatives help the respondent with IADLs. In Wave 2, RwRIFCARE and RwRIFCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRIFCARE and RwRIFCAREN are not available in Wave 1.

RwRIFCAREDP indicates the number of total days per month the respondent's non-relatives help the respondent with IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRIFCAREDP is the sum of days per month for all non-relative helpers, and so values can be over 31 days. RwRIFCAREDP is calculated as long as there is one non-missing value. RwRIFCAREDPMM indicates the number of non-relatives who helped the respondent

for whom no value of days was reported and was not accounted for in RwRIFCAREDPM. RwRIFCAREDPMM is assigned special missing .m if the respondent was not helped by any non-relatives or prior information was missing. RwRIFCAREDPM and RwRIFCAREDPMM are not available in Waves 1 and 2.

RwRIFCAREHR indicates the number of hours per day the respondent's non-relatives help the respondent with IADL needs. Respondents are asked, on days their non-relatives help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RwRIFCAREHR is the sum of hours per day for all non-relative helpers, and so values can be over 24 hours. RwRIFCAREHR is calculated as long as there is one non-missing value. RwRIFCAREHRM indicates the number of non-relatives who helped the respondent for whom no value of hours was reported and was not accounted for in RwRIFCAREHR. RwRIFCAREHR is assigned a special missing .w in the AHEAD cohort in Wave 2 if this question is not asked because the respondent's non-relative helpers help less than once per week. RwRIFCAREHRM is assigned special missing .m if the respondent was not helped by any non-relatives or prior information was missing. In Wave 2, RwRIFCAREHR and RwRIFCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRIFCAREHR and RwRIFCAREHRM are not available in Wave 1.

RwRIFCAREPD indicates whether any of the respondent's non-relative helpers are paid for the care given to the respondent for IADL needs. RwRIFCAREPD is assigned a value of 0 if the respondent receives no care from non-relatives, or the respondent does receive care from non-relatives and none of them are paid. RwRIFCAREPD is assigned a value of 1 if the respondent receives care from non-relatives and at least one of them is paid for the care given to the respondent. RwRIFCAREPD is assigned a special missing .w in the AHEAD cohort in Wave 2 if this question is not asked because the respondent's non-relative helpers help less than once per week. In Wave 2, RwRIFCAREPD is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRIFCAREPD is not available in Wave 1.

SwRIFCARE, SwRIFCAREN, SwRIFCAREDPM, SwRIFCAREHR, and SwRIFCAREPD indicate whether the respondent's current wave's spouse receives help from non-relatives, the number, the frequency with which, and whether any are paid, and their values are taken from RwRIFCARE, RwRIFCAREN, RwRIFCAREDPM, RwRIFCAREHR, and RwRIFCAREPD. SwRIFCAREDPMM and SwRIFCAREHRM indicate the number of non-relatives who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RwRIFCAREDPMM and RwRIFCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with IADLS at all in Wave 1 and in the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

Respondents are asked who helps them with IADLS, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RwRIFCARE, RwRIFCAREN, and RwRIFCAREPD are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RwRIFCARE, RwRIFCAREN, RwRIFCAREPD are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a non-relative helps them with IADLS, and were asked how frequently and the number of hours that the non-relative provides help. However, the frequency of help is not comparable to other waves and so RwRIFCAREDPM and RwRIFCAREDPMM are not available in this wave. The number of hours that the non-relative helps is comparable, and so RwRIFCAREHR and RwRIFCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RwRIFCAREHR and RwRIFCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.



Starting in Wave 3, respondents are asked who helps them with IADLs, and are asked about the number of days or number of hours that the respondent's non-relative helps the respondent. As such, RWRIFCAREDPMM and RWRIFCAREDPMM are available beginning in Wave 3.

In the AHEAD cohort in Wave 2, respondents are not asked whether the helper is paid if they help less than once per week. Starting in Wave 3, respondents are asked whether the helper is paid regardless of the frequency of the help.

### HRS Variables Used:

#### RAND HRS:

R10MEALSA	r10mealsa:w10	r any diff-prepare hot meal
R10MEDSA	r10medsa:w10	r any diff-take medications
R10MONEYA	r10moneya:w10	r any diff-managing money
R10PHONEA	r10phonea:w10	r any diff-use telephone
R10SHOPA	r10shopa:w10	r any diff-shop for grocery
R11MEALSA	r11mealsa:w11	r any diff-prepare hot meal
R11MEDSA	r11medsa:w11	r any diff-take medications
R11MONEYA	r11moneya:w11	r any diff-managing money
R11PHONEA	r11phonea:w11	r any diff-use telephone
R11SHOPA	r11shopa:w11	r any diff-shop for grocery
R12MEALSA	r12mealsa:w12	r any diff-prepare hot meal
R12MEDSA	r12medsa:w12	r any diff-take medications
R12MONEYA	r12moneya:w12	r any diff-managing money
R12PHONEA	r12phonea:w12	r any diff-use telephone
R12SHOPA	r12shopa:w12	r any diff-shop for grocery
R13MEALSA	r13mealsa:w13	r any diff-prepare hot meal
R13MEDSA	r13medsa:w13	r any diff-take medications
R13MONEYA	r13moneya:w13	r any diff-managing money
R13PHONEA	r13phonea:w13	r any diff-use telephone
R13SHOPA	r13shopa:w13	r any diff-shop for grocery
R14MEALSA	r14mealsa:w14	r any diff-prepare hot meal
R14MEDSA	r14medsa:w14	r any diff-take medications
R14MONEYA	r14moneya:w14	r any diff-managing money
R14PHONEA	r14phonea:w14	r any diff-use telephone
R14SHOPA	r14shopa:w14	r any diff-shop for grocery
R15MEALSA	r15mealsa:w15	r any diff-prepare hot meal
R15MEDSA	r15medsa:w15	r any diff-take medications
R15MONEYA	r15moneya:w15	r any diff-managing money
R15PHONEA	r15phonea:w15	r any diff-use telephone
R15SHOPA	r15shopa:w15	r any diff-shop for grocery
R3MEALSA	r3mealsa:w3	r any diff-prepare hot meal
R3MEDSA	r3medsa:w3	r any diff-take medications
R3MONEYA	r3moneya:w3	r any diff-managing money
R3PHONEA	r3phonea:w3	r any diff-use telephone
R3SHOPA	r3shopa:w3	r any diff-shop for grocery
R4MEALSA	r4mealsa:w4	r any diff-prepare hot meal
R4MEDSA	r4medsa:w4	r any diff-take medications
R4MONEYA	r4moneya:w4	r any diff-managing money
R4PHONEA	r4phonea:w4	r any diff-use telephone
R4SHOPA	r4shopa:w4	r any diff-shop for grocery
R5MEALSA	r5mealsa:w5	r any diff-prepare hot meal
R5MEDSA	r5medsa:w5	r any diff-take medications
R5MONEYA	r5moneya:w5	r any diff-managing money
R5PHONEA	r5phonea:w5	r any diff-use telephone
R5SHOPA	r5shopa:w5	r any diff-shop for grocery
R6MEALSA	r6mealsa:w6	r any diff-prepare hot meal
R6MEDSA	r6medsa:w6	r any diff-take medications
R6MONEYA	r6moneya:w6	r any diff-managing money
R6PHONEA	r6phonea:w6	r any diff-use telephone
R6SHOPA	r6shopa:w6	r any diff-shop for grocery
R7MEALSA	r7mealsa:w7	r any diff-prepare hot meal
R7MEDSA	r7medsa:w7	r any diff-take medications

R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
Wave 2 AHEAD:	
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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps
Wave 2 AHEAD Helper:	
BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V993	E61. HELPER HOURS PER DAY
V994	E62. HELPER PAID?
Wave 2 AHEAD HHLIST:	
OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R
Wave 2 HRS:	
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D2024	e95c.iadl meals help
D2029	e96c.iadl groc help
D2034	e97c.iadl phone help
D2039	e98c.iadl med help
D2041	e99.iadls-who help,1
D2050	e100.iadls-who help,2
D2055	e101.iadls-who help,3
D2061	e102.iadls-who help,4
D2067	e103.iadls-who help,5
D2073	e104.iadls-who help,6
D2102	e106c.iadl money who help,1
D2107	e107. money help-1
D2115	e107c.iadl money who help,2
D2121	e108. money helper-2
Wave 3 AHEAD Helper:	
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
OPN	OTHER PERSON NUMBER
Wave 3 HRS:	
E2039	e95c.iadl meals help
E2044	e96c.iadl groc help
E2049	e97c.iadl phone help
E2054	e98c.iadl med help

E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help  
 F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help  
 F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4  
 F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6  
 F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

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  
 F2658 E158-2. HELPER OFTEN  
 F2659 E158A-2.HELPER PER WEEK  
 F2660 E158B-2.HELPER EVERY DAY  
 F2662 E159-2. HELPER HOURS  
 F2665 E162-2. HELPER PAID  
 OPN OTHER PERSON NUMBER

## Wave 5:

G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help  
 G2873 e97c.iadl phone help

G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2  
 G558 cs11.r in nursing home

## Wave 5 Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HA028 r in nursing home  
 HG043 iadl meal preparation help  
 HG046 iadl groc shop help  
 HG049 iadl making phone calls help  
 HG053 iadl taking medications help  
 HG054\_1 iadls- who helps most-1  
 HG054\_2 iadls- who helps- 2  
 HG054\_3 iadls- who helps- 3  
 HG054\_4 iadls- who helps- 4  
 HG054\_5 iadls- who helps- 5  
 HG054\_6 iadls- who helps- 6  
 HG061 iadl managing money help  
 HG062\_1 who helps manage money-1  
 HG062\_2 who helps manage money-2

## Wave 6 Helper:

HG069 helper relationship  
 HG070 freq of help given- days in last month  
 HG071 freq of help given- days per week  
 HG072 did helper help every dy  
 HG073 #hrs of help  
 HG076 helper paid to help  
 HIADLNDX iadl helper index  
 HMNYNDX money helper index

## Wave 7:

JA028 r in nursing home  
 JG043 iadl meal preparation help  
 JG046 iadl groc shop help  
 JG049 iadl making phone calls help  
 JG053 iadl taking medications help  
 JG054\_1 iadls- who helps most-1  
 JG054\_2 iadls- who helps- 2  
 JG054\_3 iadls- who helps- 3  
 JG054\_4 iadls- who helps- 4  
 JG054\_5 iadls- who helps- 5  
 JG054\_6 iadls- who helps- 6  
 JG061 iadl managing money help  
 JG062\_1 who helps manage money-1

JG062\_2            who helps manage money-2

Wave 7 Helper:

JG069            helper relationship

JG070            freq of help given-days last month

JG071            # days helper helped

JG072            did helper help every dy

JG073            #hrs of help

JG076            helper given money to help

JIADLNDX        index connection to the iadl table

JMNYNDX        index connection to the money table

Wave 8:

KA028            r in nursing home

KG043            iadl meal preparation help

KG046            iadl groc shop help

KG049            iadl making phone calls help

KG053            iadl taking medications help

KG054\_1        iadls- who helps most-1

KG054\_2        iadls- who helps- 2

KG054\_3        iadls- who helps- 3

KG054\_4        iadls- who helps- 4

KG054\_5        iadls- who helps- 5

KG054\_6        iadls- who helps- 6

KG061            iadl managing money help

KG062\_1        who helps manage money-1

KG062\_2        who helps manage money-2

Wave 8 Helper:

KG069            helper relationship

KG070            freq of help given-days last month

KG071            # days helper helped

KG072            did helper help every dy

KG073            #hrs of help

KG076            helper given money to help

KIADLNDX        index connection to the iadl table

KMNYNDX        index connection to the money table

Wave 9:

LA028            r in nursing home

LG043            iadl meal preparation help

LG046            iadl groc shop help

LG049            iadl making phone calls help

LG053            iadl taking medications help

LG054\_1        iadls- who helps most-1

LG054\_2        iadls- who helps- 2

LG054\_3        iadls- who helps- 3

LG054\_4        iadls- who helps- 4

LG054\_5        iadls- who helps- 5

LG054\_6        iadls- who helps- 6

LG061            iadl managing money help

LG062\_1        who helps manage money-1

LG062\_2        who helps manage money-2

Wave 9 Helper:

LG069            helper relationship

LG070            freq of help given-days last month

LG071            # days helper helped

LG072            did helper help every day

LG073            #hrs of help

LG076            helper given money to help

LIADLNDX        index connection to the iadl table

LMNYNDX        index connection to the money table

Wave 10:

MA028            r in nursing home

MG043            iadl meal preparation help

MG046            iadl groc shop help

MG049            iadl making phone calls help

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MG053          iadl taking medications help
MG054_1       iadls- who helps -1
MG054_2       iadls- who helps- 2
MG054_3       iadls- who helps- 3
MG054_4       iadls- who helps- 4
MG054_5       iadls- who helps- 5
MG054_6       iadls- who helps- 6
MG061         iadl managing money help
MG062_1       who helps manage money-1
MG062_2       who helps manage money-2
Wave 10 Helper:
MG069         helper relationship -1
MG070         freq of help given -1
MG071         # days helper helped -1
MG072         did helper help every dy -1
MG073         #hrs of help -1
MG076         helper given money to help -1
MIADLNDX     index connection to the iadl table
MMNYNDX     index connection to the money table
Wave 11:
NA028        r in nursing home
NG043        iadl meal preparation help
NG046        iadl groc shop help
NG049        iadl making phone calls help
NG053        iadl taking medications help
NG054_1     iadls- who helps -1
NG054_2     iadls- who helps- 2
NG054_3     iadls- who helps- 3
NG054_4     iadls- who helps- 4
NG054_5     iadls- who helps- 5
NG054_6     iadls- who helps- 6
NG061        iadl managing money help
NG062_1     who helps manage money-1
NG062_2     who helps manage money-2
Wave 11 Helper:
NG069        helper relationship
NG070        freq of help given
NG071        # days helper helped
NG072        did helper help every dy
NG073        #hrs of help
NG076        helper given money to help
NIADLNDX    index connection to the iadl table
NMNYNDX    index connection to the money table
Wave 12:
OA028        r in nursing home
OG043        iadl meal preparation help
OG046        iadl groc shop help
OG049        iadl making phone calls help
OG053        iadl taking medications help
OG054_1     iadls- who helps -1
OG054_2     iadls- who helps- 2
OG054_3     iadls- who helps- 3
OG054_4     iadls- who helps- 4
OG054_5     iadls- who helps- 5
OG054_6     iadls- who helps- 6
OG061        iadl managing money help
OG062_1     who helps manage money-1
OG062_2     who helps manage money-2
Wave 12 Helper:
OG069        helper relationship
OG070        freq of help given
OG071        # days helper helped
OG072        did helper help every dy

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OG073	#hrs of help
OG076	helper given money to help
OIADLNDX	index connection to the iadl table
OMNYNDX	index connection to the money table
Wave 13:	
PA028	r in nursing home
PG043	iadl meal preparation help
PG046	iadl groc shop help
PG049	iadl making phone calls help
PG053	iadl taking medications help
PG054_1	iadls- who helps -1
PG054_2	iadls- who helps- 2
PG054_3	iadls- who helps- 3
PG054_4	iadls- who helps- 4
PG054_5	iadls- who helps- 5
PG054_6	iadls- who helps- 6
PG061	iadl managing money help
PG062_1	who helps manage money-1
PG062_2	who helps manage money-2
Wave 13 Helper:	
PG069	helper relationship
PG070	freq of help given
PG071	# days helper helped
PG072	did helper help every dy
PG073	#hrs of help
PG076	helper given money to help
PIADLNDX	index connection to the iadl table
PMNYNDX	index connection to the money table
Wave 14:	
QA028	r in nursing home
QG043	iadl meal preparation help
QG046	iadl groc shop help
QG049	iadl making phone calls help
QG053	iadl taking medications help
QG054_1	iadls- who helps -1
QG054_2	iadls- who helps- 2
QG054_3	iadls- who helps- 3
QG054_4	iadls- who helps- 4
QG054_5	iadls- who helps- 5
QG054_6	iadls- who helps- 6
QG061	iadl managing money help
QG062_1	who helps manage money-1
QG062_2	who helps manage money-2
Wave 14 Helper:	
QG069	HELPER RELATIONSHIP
QG070	FREQ OF HELP GIVEN
QG071	# DAYS HELPER HELPED
QG072	DID HELPER HELP EVERY DY
QG073	#HRS OF HELP
QG076	HELPER GIVEN MONEY TO HELP
QIADLNDX	INDEX CONNECTION TO THE IADL TABLE
QMNYNDX	INDEX CONNECTION TO THE MONEY TABLE
Wave 15:	
RA028	r in nursing home
RG043	iadl meal preparation help
RG046	iadl groc shop help
RG049	iadl making phone calls help
RG053	iadl taking medications help
RG054_1	iadls- who helps -1
RG054_2	iadls- who helps- 2
RG054_3	iadls- who helps- 3
RG054_4	iadls- who helps- 4
RG054_5	iadls- who helps- 5

RG054_6	iadls- who helps- 6
RG061	iadl managing money help
RG062_1	who helps manage money-1
RG062_2	who helps manage money-2

## Wave 15 Helper:

RG069	HELPER RELATIONSHIP
RG070	FREQ OF HELP GIVEN
RG071	# DAYS HELPER HELPED
RG072	DID HELPER HELP EVERY DY
RG073	#HRS OF HELP
RG076	HELPER GIVEN MONEY TO HELP
RIADLNDX	INDEX CONNECTION TO THE IADL TABLE
RMNYNDX	INDEX CONNECTION TO THE MONEY TABLE



<b>Instrumental Activities of Daily Living: Whether Receives Any Formal Care</b>
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Wave	Variable	Label	Type
02	R2RIFAANY	r2rifaany:w2 r receives any formal care for iadls	Categ
03	R3RIFAANY	r3rifaany:w3 r receives any formal care for iadls	Categ
04	R4RIFAANY	r4rifaany:w4 r receives any formal care for iadls	Categ
05	R5RIFAANY	r5rifaany:w5 r receives any formal care for iadls	Categ
06	R6RIFAANY	r6rifaany:w6 r receives any formal care for iadls	Categ
07	R7RIFAANY	r7rifaany:w7 r receives any formal care for iadls	Categ
08	R8RIFAANY	r8rifaany:w8 r receives any formal care for iadls	Categ
09	R9RIFAANY	r9rifaany:w9 r receives any formal care for iadls	Categ
10	R10RIFAANY	r10rifaany:w10 r receives any formal care for iadls	Categ
11	R11RIFAANY	r11rifaany:w11 r receives any formal care for iadls	Categ
12	R12RIFAANY	r12rifaany:w12 r receives any formal care for iadls	Categ
13	R13RIFAANY	r13rifaany:w13 r receives any formal care for iadls	Categ
14	R14RIFAANY	r14rifaany:w14 r receives any formal care for iadls	Categ
15	R15RIFAANY	r15rifaany:w15 r receives any formal care for iadls	Categ
02	S2RIFAANY	s2rifaany:w2 s receives any formal care for iadls	Categ
03	S3RIFAANY	s3rifaany:w3 s receives any formal care for iadls	Categ
04	S4RIFAANY	s4rifaany:w4 s receives any formal care for iadls	Categ
05	S5RIFAANY	s5rifaany:w5 s receives any formal care for iadls	Categ
06	S6RIFAANY	s6rifaany:w6 s receives any formal care for iadls	Categ
07	S7RIFAANY	s7rifaany:w7 s receives any formal care for iadls	Categ
08	S8RIFAANY	s8rifaany:w8 s receives any formal care for iadls	Categ
09	S9RIFAANY	s9rifaany:w9 s receives any formal care for iadls	Categ
10	S10RIFAANY	s10rifaany:w10 s receives any formal care for iadls	Categ
11	S11RIFAANY	s11rifaany:w11 s receives any formal care for iadls	Categ
12	S12RIFAANY	s12rifaany:w12 s receives any formal care for iadls	Categ
13	S13RIFAANY	s13rifaany:w13 s receives any formal care for iadls	Categ
14	S14RIFAANY	s14rifaany:w14 s receives any formal care for iadls	Categ
15	S15RIFAANY	s15rifaany:w15 s receives any formal care for iadls	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RIFAANY	2232	0.08	0.28	0.00	1.00
R3RIFAANY	2750	0.04	0.19	0.00	1.00
R4RIFAANY	3156	0.06	0.23	0.00	1.00
R5RIFAANY	2878	0.05	0.23	0.00	1.00
R6RIFAANY	2830	0.10	0.30	0.00	1.00
R7RIFAANY	3063	0.10	0.30	0.00	1.00
R8RIFAANY	2967	0.10	0.30	0.00	1.00
R9RIFAANY	2786	0.10	0.29	0.00	1.00
R10RIFAANY	3763	0.08	0.27	0.00	1.00
R11RIFAANY	3496	0.12	0.33	0.00	1.00
R12RIFAANY	3393	0.11	0.32	0.00	1.00
R13RIFAANY	3569	0.11	0.31	0.00	1.00
R14RIFAANY	2870	0.11	0.31	0.00	1.00
R15RIFAANY	2474	0.11	0.31	0.00	1.00
S2RIFAANY	1070	0.04	0.19	0.00	1.00
S3RIFAANY	1298	0.02	0.14	0.00	1.00
S4RIFAANY	1515	0.03	0.17	0.00	1.00
S5RIFAANY	1335	0.03	0.16	0.00	1.00
S6RIFAANY	1247	0.05	0.22	0.00	1.00
S7RIFAANY	1414	0.05	0.21	0.00	1.00
S8RIFAANY	1366	0.04	0.20	0.00	1.00
S9RIFAANY	1216	0.03	0.18	0.00	1.00

S10RIFAANY	1724	0.04	0.20	0.00	1.00
S11RIFAANY	1595	0.06	0.23	0.00	1.00
S12RIFAANY	1491	0.05	0.21	0.00	1.00
S13RIFAANY	1493	0.05	0.23	0.00	1.00
S14RIFAANY	1201	0.06	0.23	0.00	1.00
S15RIFAANY	1008	0.06	0.23	0.00	1.00

### Categorical Variable Codes

Value-----	R2RIFAANY	R3RIFAANY	R4RIFAANY	R5RIFAANY
.d:DK	27	5	1	3
.m:Missing	1	48	34	29
.q:not asked this wave	11595			
.r:Refuse			1	1
.x:no difficulties	5962	15188	18192	16667
0.no	2048	2652	2978	2724
1.yes	184	98	178	154

Value-----	R6RIFAANY	R7RIFAANY	R8RIFAANY	R9RIFAANY	R10RIFAANY
.d:DK	3	5		2	6
.m:Missing	11	14	9	13	139
.r:Refuse	3	1		1	4
.x:no difficulties	15318	17046	15493	14415	18122
0.no	2546	2760	2673	2519	3474
1.yes	284	303	294	267	289

Value-----	R11RIFAANY	R12RIFAANY	R13RIFAANY	R14RIFAANY	R15RIFAANY
.d:DK	3	18	13	7	6
.m:Missing	19	17	38	33	78
.r:Refuse	4	3	1	3	1
.x:no difficulties	17032	15316	17291	14233	13164
0.no	3067	3004	3184	2567	2204
1.yes	429	389	385	303	270

Value-----	S2RIFAANY	S3RIFAANY	S4RIFAANY	S5RIFAANY
.d:DK	7	2		
.m:Missing	1	16	7	8
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3272	10600	12456	11387
0.no	1030	1273	1472	1299
1.yes	40	25	43	36

Value-----	S6RIFAANY	S7RIFAANY	S8RIFAANY	S9RIFAANY	S10RIFAANY
.d:DK	1	3			
.m:Missing	3	1	2	4	83
.r:Refuse	1				2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10380	11550	10360	9420	11699
0.no	1186	1348	1307	1176	1651
1.yes	61	66	59	40	73

Value-----	S11RIFAANY	S12RIFAANY	S13RIFAANY	S14RIFAANY	S15RIFAANY
.d:DK	1	4	5	1	1
.m:Missing	5	4	8	8	12
.r:Refuse	1			2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10874	9513	10272	8146	7444
0.no	1505	1421	1413	1131	952
1.yes	90	70	80	70	56

### How Constructed:

RwRIFAANY indicates whether the respondent receives any formal care for difficulties with instrumental activities of daily living (IADL). The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls,

and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The information used to derive this variable is taken from the respondent-level and helper-level HRS helper files.

For the AHEAD cohort in Wave 2, the following relationship is considered to provide formal care: organization/agency. In Waves 3 through 5, the following relationships are considered to provide formal care: professional, employee of institution, and organization. In Waves 6 and onward, the following relationships are considered to provide formal care: organization, employee of institution, paid helper, professional, and specified professional.

RwRIFAANY is assigned a value of 0 if the respondent has difficulty with at least one IADL but receives no help with the activity from a formal caregiver or does not receive any help at all. RwRIFAANY is assigned a value of 1 if the respondent has difficulty with at least one IADL and a formal caregiver helps with at least one of the activities. RwRIFAANY is assigned special missing .x if the respondent has no difficulty with any IADLs. These questions are not asked for the HRS cohort in Wave 2, so RwRIFAANY is assigned special missing .q in this wave. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRIFAANY is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRIFAANY indicates whether the respondent's current wave's spouse receives any formal care for difficulties with IADLs, and its values are taken from RwRIFAANY. In addition to the special missing codes employed by RwRIFAANY, SwRIFAANY employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

These questions are not asked at all in Wave 1 and for the HRS cohort in Wave 2.

In the AHEAD cohort in Wave 2, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help.

In Waves 3 and onward, if the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money.

The options for type of relationship change slightly between the AHEAD cohort in Wave 2, Waves 3 through 5, and Waves 6 and onward, but these categories have been combined to keep the definitions as similar as possible between waves for RwRIFAANY.

## HRS Variables Used:

RAND HRS:

R10MEALSA	r10mealsa:w10	r any diff-prepare hot meal
R10MEDSA	r10medsa:w10	r any diff-take medications
R10MONEYA	r10moneya:w10	r any diff-managing money
R10PHONEA	r10phonea:w10	r any diff-use telephone
R10SHOPA	r10shopa:w10	r any diff-shop for grocery
R11MEALSA	r11mealsa:w11	r any diff-prepare hot meal
R11MEDSA	r11medsa:w11	r any diff-take medications
R11MONEYA	r11moneya:w11	r any diff-managing money
R11PHONEA	r11phonea:w11	r any diff-use telephone
R11SHOPA	r11shopa:w11	r any diff-shop for grocery
R12MEALSA	r12mealsa:w12	r any diff-prepare hot meal

R12MEDSA	r12medsa:w12 r any diff-take medications
R12MONEYA	r12moneya:w12 r any diff-managing money
R12PHONEA	r12phonea:w12 r any diff-use telephone
R12SHOPA	r12shopa:w12 r any diff-shop for grocery
R13MEALSA	r13mealsa:w13 r any diff-prepare hot meal
R13MEDSA	r13medsa:w13 r any diff-take medications
R13MONEYA	r13moneya:w13 r any diff-managing money
R13PHONEA	r13phonea:w13 r any diff-use telephone
R13SHOPA	r13shopa:w13 r any diff-shop for grocery
R14MEALSA	r14mealsa:w14 r any diff-prepare hot meal
R14MEDSA	r14medsa:w14 r any diff-take medications
R14MONEYA	r14moneya:w14 r any diff-managing money
R14PHONEA	r14phonea:w14 r any diff-use telephone
R14SHOPA	r14shopa:w14 r any diff-shop for grocery
R15MEALSA	r15mealsa:w15 r any diff-prepare hot meal
R15MEDSA	r15medsa:w15 r any diff-take medications
R15MONEYA	r15moneya:w15 r any diff-managing money
R15PHONEA	r15phonea:w15 r any diff-use telephone
R15SHOPA	r15shopa:w15 r any diff-shop for grocery
R3MEALSA	r3mealsa:w3 r any diff-prepare hot meal
R3MEDSA	r3medsa:w3 r any diff-take medications
R3MONEYA	r3moneya:w3 r any diff-managing money
R3PHONEA	r3phonea:w3 r any diff-use telephone
R3SHOPA	r3shopa:w3 r any diff-shop for grocery
R4MEALSA	r4mealsa:w4 r any diff-prepare hot meal
R4MEDSA	r4medsa:w4 r any diff-take medications
R4MONEYA	r4moneya:w4 r any diff-managing money
R4PHONEA	r4phonea:w4 r any diff-use telephone
R4SHOPA	r4shopa:w4 r any diff-shop for grocery
R5MEALSA	r5mealsa:w5 r any diff-prepare hot meal
R5MEDSA	r5medsa:w5 r any diff-take medications
R5MONEYA	r5moneya:w5 r any diff-managing money
R5PHONEA	r5phonea:w5 r any diff-use telephone
R5SHOPA	r5shopa:w5 r any diff-shop for grocery
R6MEALSA	r6mealsa:w6 r any diff-prepare hot meal
R6MEDSA	r6medsa:w6 r any diff-take medications
R6MONEYA	r6moneya:w6 r any diff-managing money
R6PHONEA	r6phonea:w6 r any diff-use telephone
R6SHOPA	r6shopa:w6 r any diff-shop for grocery
R7MEALSA	r7mealsa:w7 r any diff-prepare hot meal
R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery

## Wave 2 AHEAD:

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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R

## Wave 2 AHEAD HHLIST:

OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN_INHH	hrs w2: # in hhold (r1/r2 only)
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## Wave 3 AHEAD:

D2024	e95c.iadl meals help
D2029	e96c.iadl groc help
D2034	e97c.iadl phone help
D2039	e98c.iadl med help
D2041	e99.iadls-who help,1
D2050	e100.iadls-who help,2
D2055	e101.iadls-who help,3
D2061	e102.iadls-who help,4
D2067	e103.iadls-who help,5
D2073	e104.iadls-who help,6
D2102	e106c.iadl money who help,1
D2107	e107. money help-1
D2115	e107c.iadl money who help,2
D2121	e108. money helper-2

## Wave 3 AHEAD Helper:

D2135A	HELPER RELATIONSHIP COMBINED SOURCE
OPN	OTHER PERSON NUMBER

## Wave 3 HRS:

E2039	e95c.iadl meals help
E2044	e96c.iadl groc help
E2049	e97c.iadl phone help
E2054	e98c.iadl med help
E2056	e99.iadls-who help,1
E2065	e100.iadls-who help,2
E2070	e101.iadls-who help,3
E2076	e102.iadls-who help,4
E2082	e103.iadls-who help,5
E2088	e104.iadls-who help,6
E2096	e106c.iadl money who help,1
E2101	e107. money help-1
E2105	e107c.iadl money who help,2
E2109	e108. money helper-2

## Wave 3 HRS Helper:

E2120A	HELPER RELATIONSHIP COMBINED SOURCE
OPN	OTHER PERSON NUMBER

## Wave 4:

F2502	e83.who help-11
F2516	e84.who help-2
F2525	e85.who help-3
F2529	e86.who help-4
F2533	e87.who help-5
F2537	e88.who help-6
F2541	e89.who help-7
F2565	e95c.iadl meals help
F2570	e96c.iadl groc help
F2575	e97c.iadl phone help
F2580	e98c.iadl med help
F2582	e99.iadls-who help,1
F2591	e100.iadls-who help,2
F2596	e101.iadls-who help,3
F2602	e102.iadls-who help,4

F2608	e103.iadls-who help,5
F2614	e104.iadls-who help,6
F2620	e106c.iadl money who help,1
F2621	e107. money help-1
F2624	e107c.iadl money who help,2
F2625	e108. money helper-2
F517	cs11.r in nursing home
Wave 4 Helper:	
F2639A	HELPER RELATIONSHIP COMBINED SOURCE
OPN	OTHER PERSON NUMBER
Wave 5:	
G2863	e95c.iadl meals help
G2868	e96c.iadl groc help
G2873	e97c.iadl phone help
G2878	e98c.iadl med help
G2880	e99.iadls-who help-1
G2889	e100.iadls-who help-2
G2894	e101.iadls-who help-3
G2900	e102.iadls-who help-4
G2906	e103.iadls-who help-5
G2912	e104.iadls-who help-6
G2918	e106c.iadl money who help-1
G2919	e107. money help-1
G2922	e107c.iadl money who help-2
G2923	e108. money helper-2
G558	cs11.r in nursing home
Wave 5 Helper:	
G2947A	HELPER RELATIONSHIP COMBINED SOURCE
OPN	OTHER PERSON NUMBER
Wave 6:	
HA028	r in nursing home
HG043	iadl meal preparation help
HG046	iadl groc shop help
HG049	iadl making phone calls help
HG053	iadl taking medications help
HG054_1	iadls- who helps most-1
HG054_2	iadls- who helps- 2
HG054_3	iadls- who helps- 3
HG054_4	iadls- who helps- 4
HG054_5	iadls- who helps- 5
HG054_6	iadls- who helps- 6
HG061	iadl managing money help
HG062_1	who helps manage money-1
HG062_2	who helps manage money-2
Wave 6 Helper:	
HG069	helper relationship
HIADLNDX	iadl helper index
HMNYNDX	money helper index
Wave 7:	
JA028	r in nursing home
JG043	iadl meal preparation help
JG046	iadl groc shop help
JG049	iadl making phone calls help
JG053	iadl taking medications help
JG054_1	iadls- who helps most-1
JG054_2	iadls- who helps- 2
JG054_3	iadls- who helps- 3
JG054_4	iadls- who helps- 4
JG054_5	iadls- who helps- 5
JG054_6	iadls- who helps- 6
JG061	iadl managing money help
JG062_1	who helps manage money-1
JG062_2	who helps manage money-2

## Wave 7 Helper:

JG069 helper relationship  
JIADLNDX index connection to the iadl table  
JMNYNDX index connection to the money table

## Wave 8:

KA028 r in nursing home  
KG043 iadl meal preparation help  
KG046 iadl groc shop help  
KG049 iadl making phone calls help  
KG053 iadl taking medications help  
KG054\_1 iadls- who helps most-1  
KG054\_2 iadls- who helps- 2  
KG054\_3 iadls- who helps- 3  
KG054\_4 iadls- who helps- 4  
KG054\_5 iadls- who helps- 5  
KG054\_6 iadls- who helps- 6  
KG061 iadl managing money help  
KG062\_1 who helps manage money-1  
KG062\_2 who helps manage money-2

## Wave 8 Helper:

KG069 helper relationship  
KIADLNDX index connection to the iadl table  
KMNYNDX index connection to the money table

## Wave 9:

LA028 r in nursing home  
LG043 iadl meal preparation help  
LG046 iadl groc shop help  
LG049 iadl making phone calls help  
LG053 iadl taking medications help  
LG054\_1 iadls- who helps most-1  
LG054\_2 iadls- who helps- 2  
LG054\_3 iadls- who helps- 3  
LG054\_4 iadls- who helps- 4  
LG054\_5 iadls- who helps- 5  
LG054\_6 iadls- who helps- 6  
LG061 iadl managing money help  
LG062\_1 who helps manage money-1  
LG062\_2 who helps manage money-2

## Wave 9 Helper:

LG069 helper relationship  
LIADLNDX index connection to the iadl table  
LMNYNDX index connection to the money table

## Wave 10:

MA028 r in nursing home  
MG043 iadl meal preparation help  
MG046 iadl groc shop help  
MG049 iadl making phone calls help  
MG053 iadl taking medications help  
MG054\_1 iadls- who helps -1  
MG054\_2 iadls- who helps- 2  
MG054\_3 iadls- who helps- 3  
MG054\_4 iadls- who helps- 4  
MG054\_5 iadls- who helps- 5  
MG054\_6 iadls- who helps- 6  
MG061 iadl managing money help  
MG062\_1 who helps manage money-1  
MG062\_2 who helps manage money-2

## Wave 10 Helper:

MG069 helper relationship -1  
MIADLNDX index connection to the iadl table  
MMNYNDX index connection to the money table

## Wave 11:

NA028 r in nursing home

NG043 iadl meal preparation help  
NG046 iadl groc shop help  
NG049 iadl making phone calls help  
NG053 iadl taking medications help  
NG054\_1 iadls- who helps -1  
NG054\_2 iadls- who helps- 2  
NG054\_3 iadls- who helps- 3  
NG054\_4 iadls- who helps- 4  
NG054\_5 iadls- who helps- 5  
NG054\_6 iadls- who helps- 6  
NG061 iadl managing money help  
NG062\_1 who helps manage money-1  
NG062\_2 who helps manage money-2

Wave 11 Helper:  
NG069 helper relationship  
NIADLNDX index connection to the iadl table  
NMNYNDX index connection to the money table

Wave 12:  
OA028 r in nursing home  
OG043 iadl meal preparation help  
OG046 iadl groc shop help  
OG049 iadl making phone calls help  
OG053 iadl taking medications help  
OG054\_1 iadls- who helps -1  
OG054\_2 iadls- who helps- 2  
OG054\_3 iadls- who helps- 3  
OG054\_4 iadls- who helps- 4  
OG054\_5 iadls- who helps- 5  
OG054\_6 iadls- who helps- 6  
OG061 iadl managing money help  
OG062\_1 who helps manage money-1  
OG062\_2 who helps manage money-2

Wave 12 Helper:  
OG069 helper relationship  
OIADLNDX index connection to the iadl table  
OMNYNDX index connection to the money table

Wave 13:  
PA028 r in nursing home  
PG043 iadl meal preparation help  
PG046 iadl groc shop help  
PG049 iadl making phone calls help  
PG053 iadl taking medications help  
PG054\_1 iadls- who helps -1  
PG054\_2 iadls- who helps- 2  
PG054\_3 iadls- who helps- 3  
PG054\_4 iadls- who helps- 4  
PG054\_5 iadls- who helps- 5  
PG054\_6 iadls- who helps- 6  
PG061 iadl managing money help  
PG062\_1 who helps manage money-1  
PG062\_2 who helps manage money-2

Wave 13 Helper:  
PG069 helper relationship  
PIADLNDX index connection to the iadl table  
PMNYNDX index connection to the money table

Wave 14:  
QA028 r in nursing home  
QG043 iadl meal preparation help  
QG046 iadl groc shop help  
QG049 iadl making phone calls help  
QG053 iadl taking medications help  
QG054\_1 iadls- who helps -1  
QG054\_2 iadls- who helps- 2



QG054\_3 iadls- who helps- 3  
QG054\_4 iadls- who helps- 4  
QG054\_5 iadls- who helps- 5  
QG054\_6 iadls- who helps- 6  
QG061 iadl managing money help  
QG062\_1 who helps manage money-1  
QG062\_2 who helps manage money-2

## Wave 14 Helper:

QG069 HELPER RELATIONSHIP  
QIADLNDX INDEX CONNECTION TO THE IADL TABLE  
QMNYNDX INDEX CONNECTION TO THE MONEY TABLE

## Wave 15:

RA028 r in nursing home  
RG043 iadl meal preparation help  
RG046 iadl groc shop help  
RG049 iadl making phone calls help  
RG053 iadl taking medications help  
RG054\_1 iadls- who helps -1  
RG054\_2 iadls- who helps- 2  
RG054\_3 iadls- who helps- 3  
RG054\_4 iadls- who helps- 4  
RG054\_5 iadls- who helps- 5  
RG054\_6 iadls- who helps- 6  
RG061 iadl managing money help  
RG062\_1 who helps manage money-1  
RG062\_2 who helps manage money-2

## Wave 15 Helper:

RG069 HELPER RELATIONSHIP  
RIADLNDX INDEX CONNECTION TO THE IADL TABLE  
RMNYNDX INDEX CONNECTION TO THE MONEY TABLE

<b>Instrumental Activities of Daily Living: Receives Formal Care from Paid Professionals</b>
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Wave	Variable	Label	Type
02	R2RIPFCARE	r2ripfcare:w2 r receives formal care from paid professional	Categ
03	R3RIPFCARE	r3ripfcare:w3 r receives formal care from paid professional	Categ
04	R4RIPFCARE	r4ripfcare:w4 r receives formal care from paid professional	Categ
05	R5RIPFCARE	r5ripfcare:w5 r receives formal care from paid professional	Categ
06	R6RIPFCARE	r6ripfcare:w6 r receives formal care from paid professional	Categ
07	R7RIPFCARE	r7ripfcare:w7 r receives formal care from paid professional	Categ
08	R8RIPFCARE	r8ripfcare:w8 r receives formal care from paid professional	Categ
09	R9RIPFCARE	r9ripfcare:w9 r receives formal care from paid professional	Categ
10	R10RIPFCARE	r10ripfcare:w10 r receives formal care from paid professional	Categ
11	R11RIPFCARE	r11ripfcare:w11 r receives formal care from paid professional	Categ
12	R12RIPFCARE	r12ripfcare:w12 r receives formal care from paid professional	Categ
13	R13RIPFCARE	r13ripfcare:w13 r receives formal care from paid professional	Categ
14	R14RIPFCARE	r14ripfcare:w14 r receives formal care from paid professional	Categ
15	R15RIPFCARE	r15ripfcare:w15 r receives formal care from paid professional	Categ
02	S2RIPFCARE	s2ripfcare:w2 s receives formal care from paid professional	Categ
03	S3RIPFCARE	s3ripfcare:w3 s receives formal care from paid professional	Categ
04	S4RIPFCARE	s4ripfcare:w4 s receives formal care from paid professional	Categ
05	S5RIPFCARE	s5ripfcare:w5 s receives formal care from paid professional	Categ
06	S6RIPFCARE	s6ripfcare:w6 s receives formal care from paid professional	Categ
07	S7RIPFCARE	s7ripfcare:w7 s receives formal care from paid professional	Categ
08	S8RIPFCARE	s8ripfcare:w8 s receives formal care from paid professional	Categ
09	S9RIPFCARE	s9ripfcare:w9 s receives formal care from paid professional	Categ
10	S10RIPFCARE	s10ripfcare:w10 s receives formal care from paid professional	Categ
11	S11RIPFCARE	s11ripfcare:w11 s receives formal care from paid professional	Categ
12	S12RIPFCARE	s12ripfcare:w12 s receives formal care from paid professional	Categ
13	S13RIPFCARE	s13ripfcare:w13 s receives formal care from paid professional	Categ
14	S14RIPFCARE	s14ripfcare:w14 s receives formal care from paid professional	Categ
15	S15RIPFCARE	s15ripfcare:w15 s receives formal care from paid professional	Categ
02	R2RIPFCAREN	r2ripfcaren:w2 # paid professionals who help r with iadls	Cont
03	R3RIPFCAREN	r3ripfcaren:w3 # paid professionals who help r with iadls	Cont
04	R4RIPFCAREN	r4ripfcaren:w4 # paid professionals who help r with iadls	Cont
05	R5RIPFCAREN	r5ripfcaren:w5 # paid professionals who help r with iadls	Cont
06	R6RIPFCAREN	r6ripfcaren:w6 # paid professionals who help r with iadls	Cont
07	R7RIPFCAREN	r7ripfcaren:w7 # paid professionals who help r with iadls	Cont
08	R8RIPFCAREN	r8ripfcaren:w8 # paid professionals who help r with iadls	Cont
09	R9RIPFCAREN	r9ripfcaren:w9 # paid professionals who help r with iadls	Cont
10	R10RIPFCAREN	r10ripfcaren:w10 # paid professionals who help r with iadls	Cont
11	R11RIPFCAREN	r11ripfcaren:w11 # paid professionals who help r with iadls	Cont
12	R12RIPFCAREN	r12ripfcaren:w12 # paid professionals who help r with iadls	Cont
13	R13RIPFCAREN	r13ripfcaren:w13 # paid professionals who help r with iadls	Cont
14	R14RIPFCAREN	r14ripfcaren:w14 # paid professionals who help r with iadls	Cont
15	R15RIPFCAREN	r15ripfcaren:w15 # paid professionals who help r with iadls	Cont
02	S2RIPFCAREN	s2ripfcaren:w2 # paid professionals who help s with iadls	Cont
03	S3RIPFCAREN	s3ripfcaren:w3 # paid professionals who help s with iadls	Cont
04	S4RIPFCAREN	s4ripfcaren:w4 # paid professionals who help s with iadls	Cont
05	S5RIPFCAREN	s5ripfcaren:w5 # paid professionals who help s with iadls	Cont
06	S6RIPFCAREN	s6ripfcaren:w6 # paid professionals who help s with iadls	Cont
07	S7RIPFCAREN	s7ripfcaren:w7 # paid professionals who help s with iadls	Cont
08	S8RIPFCAREN	s8ripfcaren:w8 # paid professionals who help s with iadls	Cont
09	S9RIPFCAREN	s9ripfcaren:w9 # paid professionals who help s with iadls	Cont
10	S10RIPFCAREN	s10ripfcaren:w10 # paid professionals who help s with iadls	Cont
11	S11RIPFCAREN	s11ripfcaren:w11 # paid professionals who help s with iadls	Cont
12	S12RIPFCAREN	s12ripfcaren:w12 # paid professionals who help s with iadls	Cont
13	S13RIPFCAREN	s13ripfcaren:w13 # paid professionals who help s with iadls	Cont

14	S14RIPFCAREN	s14ripfcaren:w14 # paid professionals who help s with iadls	Cont
15	S15RIPFCAREN	s15ripfcaren:w15 # paid professionals who help s with iadls	Cont
03	R3RIPFCAREDPM	r3ripfcaredpm:w3 days/month paid professionals help r with i	Cont
04	R4RIPFCAREDPM	r4ripfcaredpm:w4 days/month paid professionals help r with i	Cont
05	R5RIPFCAREDPM	r5ripfcaredpm:w5 days/month paid professionals help r with i	Cont
06	R6RIPFCAREDPM	r6ripfcaredpm:w6 days/month paid professionals help r with i	Cont
07	R7RIPFCAREDPM	r7ripfcaredpm:w7 days/month paid professionals help r with i	Cont
08	R8RIPFCAREDPM	r8ripfcaredpm:w8 days/month paid professionals help r with i	Cont
09	R9RIPFCAREDPM	r9ripfcaredpm:w9 days/month paid professionals help r with i	Cont
10	R10RIPFCAREDPM	r10ripfcaredpm:w10 days/month paid professionals help r with	Cont
11	R11RIPFCAREDPM	r11ripfcaredpm:w11 days/month paid professionals help r with	Cont
12	R12RIPFCAREDPM	r12ripfcaredpm:w12 days/month paid professionals help r with	Cont
13	R13RIPFCAREDPM	r13ripfcaredpm:w13 days/month paid professionals help r with	Cont
14	R14RIPFCAREDPM	r14ripfcaredpm:w14 days/month paid professionals help r with	Cont
15	R15RIPFCAREDPM	r15ripfcaredpm:w15 days/month paid professionals help r with	Cont
03	S3RIPFCAREDPM	s3ripfcaredpm:w3 days/month paid professionals help s with i	Cont
04	S4RIPFCAREDPM	s4ripfcaredpm:w4 days/month paid professionals help s with i	Cont
05	S5RIPFCAREDPM	s5ripfcaredpm:w5 days/month paid professionals help s with i	Cont
06	S6RIPFCAREDPM	s6ripfcaredpm:w6 days/month paid professionals help s with i	Cont
07	S7RIPFCAREDPM	s7ripfcaredpm:w7 days/month paid professionals help s with i	Cont
08	S8RIPFCAREDPM	s8ripfcaredpm:w8 days/month paid professionals help s with i	Cont
09	S9RIPFCAREDPM	s9ripfcaredpm:w9 days/month paid professionals help s with i	Cont
10	S10RIPFCAREDPM	s10ripfcaredpm:w10 days/month paid professionals help s with	Cont
11	S11RIPFCAREDPM	s11ripfcaredpm:w11 days/month paid professionals help s with	Cont
12	S12RIPFCAREDPM	s12ripfcaredpm:w12 days/month paid professionals help s with	Cont
13	S13RIPFCAREDPM	s13ripfcaredpm:w13 days/month paid professionals help s with	Cont
14	S14RIPFCAREDPM	s14ripfcaredpm:w14 days/month paid professionals help s with	Cont
15	S15RIPFCAREDPM	s15ripfcaredpm:w15 days/month paid professionals help s with	Cont
03	R3RIPFCAREDPMM	r3ripfcaredpmm:w3 r # paid professionals missing days of hel	Cont
04	R4RIPFCAREDPMM	r4ripfcaredpmm:w4 r # paid professionals missing days of hel	Cont
05	R5RIPFCAREDPMM	r5ripfcaredpmm:w5 r # paid professionals missing days of hel	Cont
06	R6RIPFCAREDPMM	r6ripfcaredpmm:w6 r # paid professionals missing days of hel	Cont
07	R7RIPFCAREDPMM	r7ripfcaredpmm:w7 r # paid professionals missing days of hel	Cont
08	R8RIPFCAREDPMM	r8ripfcaredpmm:w8 r # paid professionals missing days of hel	Cont
09	R9RIPFCAREDPMM	r9ripfcaredpmm:w9 r # paid professionals missing days of hel	Cont
10	R10RIPFCAREDPMM	r10ripfcaredpmm:w10 r # paid professionals missing days of h	Cont
11	R11RIPFCAREDPMM	r11ripfcaredpmm:w11 r # paid professionals missing days of h	Cont
12	R12RIPFCAREDPMM	r12ripfcaredpmm:w12 r # paid professionals missing days of h	Cont
13	R13RIPFCAREDPMM	r13ripfcaredpmm:w13 r # paid professionals missing days of h	Cont
14	R14RIPFCAREDPMM	r14ripfcaredpmm:w14 r # paid professionals missing days of h	Cont
15	R15RIPFCAREDPMM	r15ripfcaredpmm:w15 r # paid professionals missing days of h	Cont
03	S3RIPFCAREDPMM	s3ripfcaredpmm:w3 s # paid professionals missing days of hel	Cont
04	S4RIPFCAREDPMM	s4ripfcaredpmm:w4 s # paid professionals missing days of hel	Cont
05	S5RIPFCAREDPMM	s5ripfcaredpmm:w5 s # paid professionals missing days of hel	Cont
06	S6RIPFCAREDPMM	s6ripfcaredpmm:w6 s # paid professionals missing days of hel	Cont
07	S7RIPFCAREDPMM	s7ripfcaredpmm:w7 s # paid professionals missing days of hel	Cont
08	S8RIPFCAREDPMM	s8ripfcaredpmm:w8 s # paid professionals missing days of hel	Cont
09	S9RIPFCAREDPMM	s9ripfcaredpmm:w9 s # paid professionals missing days of hel	Cont
10	S10RIPFCAREDPMM	s10ripfcaredpmm:w10 s # paid professionals missing days of h	Cont
11	S11RIPFCAREDPMM	s11ripfcaredpmm:w11 s # paid professionals missing days of h	Cont
12	S12RIPFCAREDPMM	s12ripfcaredpmm:w12 s # paid professionals missing days of h	Cont
13	S13RIPFCAREDPMM	s13ripfcaredpmm:w13 s # paid professionals missing days of h	Cont
14	S14RIPFCAREDPMM	s14ripfcaredpmm:w14 s # paid professionals missing days of h	Cont
15	S15RIPFCAREDPMM	s15ripfcaredpmm:w15 s # paid professionals missing days of h	Cont
02	R2RIPFCAREHR	r2ripfcarehr:w2 hours/day paid professionals help r with iad	Cont
03	R3RIPFCAREHR	r3ripfcarehr:w3 hours/day paid professionals help r with iad	Cont
04	R4RIPFCAREHR	r4ripfcarehr:w4 hours/day paid professionals help r with iad	Cont
05	R5RIPFCAREHR	r5ripfcarehr:w5 hours/day paid professionals help r with iad	Cont

06	R6RIPFCAREHR	r6ripfcarehr:w6 hours/day paid professionals help r with iad	Cont
07	R7RIPFCAREHR	r7ripfcarehr:w7 hours/day paid professionals help r with iad	Cont
08	R8RIPFCAREHR	r8ripfcarehr:w8 hours/day paid professionals help r with iad	Cont
09	R9RIPFCAREHR	r9ripfcarehr:w9 hours/day paid professionals help r with iad	Cont
10	R10RIPFCAREHR	r10ripfcarehr:w10 hours/day paid professionals help r with i	Cont
11	R11RIPFCAREHR	r11ripfcarehr:w11 hours/day paid professionals help r with i	Cont
12	R12RIPFCAREHR	r12ripfcarehr:w12 hours/day paid professionals help r with i	Cont
13	R13RIPFCAREHR	r13ripfcarehr:w13 hours/day paid professionals help r with i	Cont
14	R14RIPFCAREHR	r14ripfcarehr:w14 hours/day paid professionals help r with i	Cont
15	R15RIPFCAREHR	r15ripfcarehr:w15 hours/day paid professionals help r with i	Cont
02	S2RIPFCAREHR	s2ripfcarehr:w2 hours/day paid professionals help s with iad	Cont
03	S3RIPFCAREHR	s3ripfcarehr:w3 hours/day paid professionals help s with iad	Cont
04	S4RIPFCAREHR	s4ripfcarehr:w4 hours/day paid professionals help s with iad	Cont
05	S5RIPFCAREHR	s5ripfcarehr:w5 hours/day paid professionals help s with iad	Cont
06	S6RIPFCAREHR	s6ripfcarehr:w6 hours/day paid professionals help s with iad	Cont
07	S7RIPFCAREHR	s7ripfcarehr:w7 hours/day paid professionals help s with iad	Cont
08	S8RIPFCAREHR	s8ripfcarehr:w8 hours/day paid professionals help s with iad	Cont
09	S9RIPFCAREHR	s9ripfcarehr:w9 hours/day paid professionals help s with iad	Cont
10	S10RIPFCAREHR	s10ripfcarehr:w10 hours/day paid professionals help s with i	Cont
11	S11RIPFCAREHR	s11ripfcarehr:w11 hours/day paid professionals help s with i	Cont
12	S12RIPFCAREHR	s12ripfcarehr:w12 hours/day paid professionals help s with i	Cont
13	S13RIPFCAREHR	s13ripfcarehr:w13 hours/day paid professionals help s with i	Cont
14	S14RIPFCAREHR	s14ripfcarehr:w14 hours/day paid professionals help s with i	Cont
15	S15RIPFCAREHR	s15ripfcarehr:w15 hours/day paid professionals help s with i	Cont
02	R2RIPFCAREHRM	r2ripfcarehrm:w2 r # paid professionals missing hours of hel	Cont
03	R3RIPFCAREHRM	r3ripfcarehrm:w3 r # paid professionals missing hours of hel	Cont
04	R4RIPFCAREHRM	r4ripfcarehrm:w4 r # paid professionals missing hours of hel	Cont
05	R5RIPFCAREHRM	r5ripfcarehrm:w5 r # paid professionals missing hours of hel	Cont
06	R6RIPFCAREHRM	r6ripfcarehrm:w6 r # paid professionals missing hours of hel	Cont
07	R7RIPFCAREHRM	r7ripfcarehrm:w7 r # paid professionals missing hours of hel	Cont
08	R8RIPFCAREHRM	r8ripfcarehrm:w8 r # paid professionals missing hours of hel	Cont
09	R9RIPFCAREHRM	r9ripfcarehrm:w9 r # paid professionals missing hours of hel	Cont
10	R10RIPFCAREHRM	r10ripfcarehrm:w10 r # paid professionals missing hours of h	Cont
11	R11RIPFCAREHRM	r11ripfcarehrm:w11 r # paid professionals missing hours of h	Cont
12	R12RIPFCAREHRM	r12ripfcarehrm:w12 r # paid professionals missing hours of h	Cont
13	R13RIPFCAREHRM	r13ripfcarehrm:w13 r # paid professionals missing hours of h	Cont
14	R14RIPFCAREHRM	r14ripfcarehrm:w14 r # paid professionals missing hours of h	Cont
15	R15RIPFCAREHRM	r15ripfcarehrm:w15 r # paid professionals missing hours of h	Cont
02	S2RIPFCAREHRM	s2ripfcarehrm:w2 s # paid professionals missing hours of hel	Cont
03	S3RIPFCAREHRM	s3ripfcarehrm:w3 s # paid professionals missing hours of hel	Cont
04	S4RIPFCAREHRM	s4ripfcarehrm:w4 s # paid professionals missing hours of hel	Cont
05	S5RIPFCAREHRM	s5ripfcarehrm:w5 s # paid professionals missing hours of hel	Cont
06	S6RIPFCAREHRM	s6ripfcarehrm:w6 s # paid professionals missing hours of hel	Cont
07	S7RIPFCAREHRM	s7ripfcarehrm:w7 s # paid professionals missing hours of hel	Cont
08	S8RIPFCAREHRM	s8ripfcarehrm:w8 s # paid professionals missing hours of hel	Cont
09	S9RIPFCAREHRM	s9ripfcarehrm:w9 s # paid professionals missing hours of hel	Cont
10	S10RIPFCAREHRM	s10ripfcarehrm:w10 s # paid professionals missing hours of h	Cont
11	S11RIPFCAREHRM	s11ripfcarehrm:w11 s # paid professionals missing hours of h	Cont
12	S12RIPFCAREHRM	s12ripfcarehrm:w12 s # paid professionals missing hours of h	Cont
13	S13RIPFCAREHRM	s13ripfcarehrm:w13 s # paid professionals missing hours of h	Cont
14	S14RIPFCAREHRM	s14ripfcarehrm:w14 s # paid professionals missing hours of h	Cont
15	S15RIPFCAREHRM	s15ripfcarehrm:w15 s # paid professionals missing hours of h	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RIPFCARE	2274	0.05	0.22	0.00	1.00
R3RIPFCARE	2256	0.03	0.18	0.00	1.00
R4RIPFCARE	2578	0.05	0.23	0.00	1.00

R5RIPFCARE	2356	0.05	0.22	0.00	1.00
R6RIPFCARE	2354	0.10	0.31	0.00	1.00
R7RIPFCARE	2497	0.11	0.31	0.00	1.00
R8RIPFCARE	2436	0.11	0.31	0.00	1.00
R9RIPFCARE	2249	0.10	0.31	0.00	1.00
R10RIPFCARE	2936	0.09	0.29	0.00	1.00
R11RIPFCARE	2783	0.14	0.35	0.00	1.00
R12RIPFCARE	2653	0.13	0.34	0.00	1.00
R13RIPFCARE	2737	0.13	0.34	0.00	1.00
R14RIPFCARE	2181	0.13	0.34	0.00	1.00
R15RIPFCARE	1931	0.13	0.33	0.00	1.00
S2RIPFCARE	1097	0.02	0.15	0.00	1.00
S3RIPFCARE	1050	0.02	0.13	0.00	1.00
S4RIPFCARE	1224	0.03	0.16	0.00	1.00
S5RIPFCARE	1085	0.02	0.15	0.00	1.00
S6RIPFCARE	1028	0.05	0.22	0.00	1.00
S7RIPFCARE	1157	0.05	0.22	0.00	1.00
S8RIPFCARE	1107	0.04	0.21	0.00	1.00
S9RIPFCARE	964	0.04	0.19	0.00	1.00
S10RIPFCARE	1370	0.05	0.21	0.00	1.00
S11RIPFCARE	1277	0.06	0.24	0.00	1.00
S12RIPFCARE	1196	0.05	0.23	0.00	1.00
S13RIPFCARE	1209	0.06	0.24	0.00	1.00
S14RIPFCARE	953	0.07	0.25	0.00	1.00
S15RIPFCARE	810	0.06	0.24	0.00	1.00
R2RIPFCAREN	2274	0.05	0.23	0.00	2.00
R3RIPFCAREN	2256	0.03	0.18	0.00	2.00
R4RIPFCAREN	2578	0.06	0.24	0.00	3.00
R5RIPFCAREN	2356	0.05	0.24	0.00	2.00
R6RIPFCAREN	2354	0.11	0.33	0.00	3.00
R7RIPFCAREN	2497	0.11	0.32	0.00	2.00
R8RIPFCAREN	2436	0.11	0.33	0.00	2.00
R9RIPFCAREN	2249	0.11	0.34	0.00	4.00
R10RIPFCAREN	2936	0.09	0.30	0.00	2.00
R11RIPFCAREN	2783	0.15	0.40	0.00	5.00
R12RIPFCAREN	2653	0.15	0.42	0.00	5.00
R13RIPFCAREN	2737	0.15	0.41	0.00	4.00
R14RIPFCAREN	2181	0.14	0.40	0.00	4.00
R15RIPFCAREN	1931	0.14	0.39	0.00	4.00
S2RIPFCAREN	1097	0.02	0.15	0.00	1.00
S3RIPFCAREN	1050	0.02	0.13	0.00	1.00
S4RIPFCAREN	1224	0.03	0.16	0.00	1.00
S5RIPFCAREN	1085	0.02	0.15	0.00	1.00
S6RIPFCAREN	1028	0.05	0.23	0.00	2.00
S7RIPFCAREN	1157	0.05	0.23	0.00	2.00
S8RIPFCAREN	1107	0.05	0.22	0.00	2.00
S9RIPFCAREN	964	0.04	0.19	0.00	1.00
S10RIPFCAREN	1370	0.05	0.21	0.00	2.00
S11RIPFCAREN	1277	0.07	0.28	0.00	3.00
S12RIPFCAREN	1196	0.06	0.26	0.00	3.00
S13RIPFCAREN	1209	0.07	0.32	0.00	4.00
S14RIPFCAREN	953	0.08	0.31	0.00	4.00
S15RIPFCAREN	810	0.07	0.27	0.00	2.00
R3RIPFCAREDPM	2256	1.58	9.42	0.00	93.00
R4RIPFCAREDPM	2576	2.46	11.32	0.00	93.00
R5RIPFCAREDPM	2355	2.42	11.66	0.00	124.00
R6RIPFCAREDPM	2216	2.06	10.63	0.00	124.00
R7RIPFCAREDPM	2318	1.63	9.15	0.00	93.00
R8RIPFCAREDPM	2283	2.14	10.78	0.00	93.00

R9RIPFCAREDPM	2121	2.31	11.51	0.00	180.00
R10RIPFCAREDPM	2799	1.82	9.70	0.00	93.00
R11RIPFCAREDPM	2646	3.95	14.10	0.00	93.00
R12RIPFCAREDPM	2520	3.69	13.71	0.00	102.00
R13RIPFCAREDPM	2623	3.52	13.46	0.00	144.00
R14RIPFCAREDPM	2090	3.40	12.53	0.00	90.00
R15RIPFCAREDPM	1835	3.17	12.57	0.00	93.00
S3RIPFCAREDPM	1050	0.93	7.39	0.00	93.00
S4RIPFCAREDPM	1223	1.26	8.24	0.00	92.00
S5RIPFCAREDPM	1085	1.10	7.78	0.00	93.00
S6RIPFCAREDPM	1000	0.91	7.29	0.00	124.00
S7RIPFCAREDPM	1122	0.83	6.63	0.00	84.00
S8RIPFCAREDPM	1080	0.96	7.47	0.00	90.00
S9RIPFCAREDPM	946	0.79	6.45	0.00	66.00
S10RIPFCAREDPM	1340	0.92	6.73	0.00	70.00
S11RIPFCAREDPM	1258	2.00	10.19	0.00	91.00
S12RIPFCAREDPM	1174	1.60	9.41	0.00	93.00
S13RIPFCAREDPM	1190	1.70	9.51	0.00	100.00
S14RIPFCAREDPM	938	2.05	9.83	0.00	82.00
S15RIPFCAREDPM	793	1.47	8.50	0.00	93.00
R3RIPFCAREDPMM	2256	0.00	0.00	0.00	0.00
R4RIPFCAREDPMM	2578	0.00	0.03	0.00	1.00
R5RIPFCAREDPMM	2356	0.00	0.03	0.00	1.00
R6RIPFCAREDPMM	2354	0.06	0.24	0.00	1.00
R7RIPFCAREDPMM	2497	0.07	0.26	0.00	1.00
R8RIPFCAREDPMM	2436	0.07	0.25	0.00	2.00
R9RIPFCAREDPMM	2249	0.06	0.23	0.00	1.00
R10RIPFCAREDPMM	2936	0.05	0.21	0.00	1.00
R11RIPFCAREDPMM	2783	0.05	0.22	0.00	1.00
R12RIPFCAREDPMM	2653	0.05	0.22	0.00	1.00
R13RIPFCAREDPMM	2737	0.04	0.21	0.00	2.00
R14RIPFCAREDPMM	2181	0.04	0.21	0.00	2.00
R15RIPFCAREDPMM	1931	0.05	0.23	0.00	2.00
S3RIPFCAREDPMM	1050	0.00	0.00	0.00	0.00
S4RIPFCAREDPMM	1224	0.00	0.03	0.00	1.00
S5RIPFCAREDPMM	1085	0.00	0.00	0.00	0.00
S6RIPFCAREDPMM	1028	0.03	0.16	0.00	1.00
S7RIPFCAREDPMM	1157	0.03	0.17	0.00	1.00
S8RIPFCAREDPMM	1107	0.03	0.16	0.00	1.00
S9RIPFCAREDPMM	964	0.02	0.13	0.00	1.00
S10RIPFCAREDPMM	1370	0.02	0.15	0.00	1.00
S11RIPFCAREDPMM	1277	0.01	0.12	0.00	1.00
S12RIPFCAREDPMM	1196	0.02	0.14	0.00	1.00
S13RIPFCAREDPMM	1209	0.02	0.13	0.00	1.00
S14RIPFCAREDPMM	953	0.02	0.12	0.00	1.00
S15RIPFCAREDPMM	810	0.02	0.15	0.00	1.00
R2RIPFCAREHR	2269	0.16	1.19	0.00	24.00
R3RIPFCAREHR	2253	0.24	1.96	0.00	25.00
R4RIPFCAREHR	2574	0.28	1.88	0.00	24.00
R5RIPFCAREHR	2347	0.29	2.20	0.00	48.00
R6RIPFCAREHR	2216	0.39	2.70	0.00	48.00
R7RIPFCAREHR	2309	0.25	1.93	0.00	24.00
R8RIPFCAREHR	2279	0.39	2.80	0.00	48.00
R9RIPFCAREHR	2117	0.29	2.13	0.00	48.00
R10RIPFCAREHR	2792	0.25	1.82	0.00	24.00
R11RIPFCAREHR	2636	0.71	3.87	0.00	97.00
R12RIPFCAREHR	2516	0.64	3.16	0.00	72.00
R13RIPFCAREHR	2622	0.61	3.25	0.00	72.00
R14RIPFCAREHR	2088	0.59	2.89	0.00	48.00

R15RIPFCAREHR	1825	0.43	2.19	0.00	33.00
S2RIPFCAREHR	1096	0.08	0.85	0.00	24.00
S3RIPFCAREHR	1050	0.10	1.20	0.00	24.00
S4RIPFCAREHR	1223	0.12	1.13	0.00	24.00
S5RIPFCAREHR	1083	0.10	1.13	0.00	24.00
S6RIPFCAREHR	1000	0.20	1.91	0.00	24.00
S7RIPFCAREHR	1120	0.13	1.28	0.00	24.00
S8RIPFCAREHR	1080	0.27	2.57	0.00	48.00
S9RIPFCAREHR	946	0.08	0.91	0.00	24.00
S10RIPFCAREHR	1338	0.13	1.30	0.00	24.00
S11RIPFCAREHR	1256	0.35	2.07	0.00	24.00
S12RIPFCAREHR	1171	0.28	2.14	0.00	24.00
S13RIPFCAREHR	1187	0.33	2.83	0.00	48.00
S14RIPFCAREHR	938	0.39	2.64	0.00	48.00
S15RIPFCAREHR	790	0.22	1.59	0.00	24.00
R2RIPFCAREHRM	2274	0.00	0.05	0.00	1.00
R3RIPFCAREHRM	2256	0.00	0.02	0.00	1.00
R4RIPFCAREHRM	2578	0.00	0.04	0.00	1.00
R5RIPFCAREHRM	2356	0.00	0.07	0.00	1.00
R6RIPFCAREHRM	2354	0.06	0.24	0.00	1.00
R7RIPFCAREHRM	2497	0.08	0.27	0.00	2.00
R8RIPFCAREHRM	2436	0.07	0.25	0.00	2.00
R9RIPFCAREHRM	2249	0.06	0.24	0.00	1.00
R10RIPFCAREHRM	2936	0.05	0.22	0.00	1.00
R11RIPFCAREHRM	2783	0.05	0.23	0.00	2.00
R12RIPFCAREHRM	2653	0.05	0.23	0.00	1.00
R13RIPFCAREHRM	2737	0.05	0.21	0.00	2.00
R14RIPFCAREHRM	2181	0.04	0.21	0.00	2.00
R15RIPFCAREHRM	1931	0.06	0.24	0.00	2.00
S2RIPFCAREHRM	1097	0.00	0.03	0.00	1.00
S3RIPFCAREHRM	1050	0.00	0.00	0.00	0.00
S4RIPFCAREHRM	1224	0.00	0.03	0.00	1.00
S5RIPFCAREHRM	1085	0.00	0.04	0.00	1.00
S6RIPFCAREHRM	1028	0.03	0.16	0.00	1.00
S7RIPFCAREHRM	1157	0.03	0.18	0.00	1.00
S8RIPFCAREHRM	1107	0.03	0.16	0.00	1.00
S9RIPFCAREHRM	964	0.02	0.13	0.00	1.00
S10RIPFCAREHRM	1370	0.02	0.15	0.00	1.00
S11RIPFCAREHRM	1277	0.02	0.13	0.00	1.00
S12RIPFCAREHRM	1196	0.02	0.15	0.00	1.00
S13RIPFCAREHRM	1209	0.02	0.14	0.00	1.00
S14RIPFCAREHRM	953	0.02	0.12	0.00	1.00
S15RIPFCAREHRM	810	0.03	0.16	0.00	1.00

### Categorical Variable Codes

Value-----	R2RIPFCARE	R3RIPFCARE	R4RIPFCARE	R5RIPFCARE	
.d:DK	25	5	1	3	
.h:no help received		494	578	522	
.m:Missing	1	48	34	29	
.q:not asked this wave	11595				
.r:Refuse			1	1	
.x:no difficulties	5922	15188	18192	16667	
0.no	2159	2183	2437	2236	
1.yes	115	73	141	120	
Value-----	R6RIPFCARE	R7RIPFCARE	R8RIPFCARE	R9RIPFCARE	R10RIPFCARE
.d:DK	3	5		2	6
.h:no help received	476	566	531	537	827
.m:Missing	11	14	9	13	139
.r:Refuse	3	1		1	4
.x:no difficulties	15318	17046	15493	14415	18122

0.no	2108	2224	2177	2013	2674
1.yes	246	273	259	236	262
Value-----	R11RIPFCARE	R12RIPFCARE	R13RIPFCARE	R14RIPFCARE	R15RIPFCARE
.d:DK	3	18	13	7	6
.h:no help received	713	740	832	689	543
.m:Missing	19	17	38	33	78
.r:Refuse	4	3	1	3	1
.x:no difficulties	17032	15316	17291	14233	13164
0.no	2396	2295	2383	1897	1687
1.yes	387	358	354	284	244
Value-----	S2RIPFCARE	S3RIPFCARE	S4RIPFCARE	S5RIPFCARE	
.d:DK		6	2		
.h:no help received			248	291	250
.m:Missing		1	16	7	8
.q:not asked this wave		8738			
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:no difficulties		3246	10600	12456	11387
0.no		1071	1032	1190	1059
1.yes		26	18	34	26
Value-----	S6RIPFCARE	S7RIPFCARE	S8RIPFCARE	S9RIPFCARE	S10RIPFCARE
.d:DK	1	3			
.h:no help received	219	257	259	252	354
.m:Missing	3	1	2	4	83
.r:Refuse	1				2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10380	11550	10360	9420	11699
0.no	978	1098	1058	929	1307
1.yes	50	59	49	35	63
Value-----	S11RIPFCARE	S12RIPFCARE	S13RIPFCARE	S14RIPFCARE	S15RIPFCARE
.d:DK	1	4	5	1	1
.h:no help received	318	295	284	248	198
.m:Missing	5	4	8	8	12
.r:Refuse	1			2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10874	9513	10272	8146	7444
0.no	1200	1132	1137	888	759
1.yes	77	64	72	65	51

## How Constructed:

The following variables indicate whether paid formal caregivers help the respondent with any IADL needs. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any IADL, and are coded as special missing .h if the respondent reports difficulty with an IADL but does not receive any help. Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRIPFCARE, RwRIPFCAREN, RwRIPFCAREDP, RwRIPFCAREDPMM, RwRIPFCAREHR, and RwRIPFCAREHRM include help from an organization/agency if they are reported to be paid for the AHEAD cohort in Wave 2. These variables include help from a professional, employee of institution, and organization if they are reported to be



paid in Waves 3 through 5. These variables include help from organizations, paid helpers, professionals, or specified professionals if they are reported to be paid in Wave 6 and onward. These variables also include help from employees of institutions, who are assumed to be paid but are not explicitly asked about in Waves 6 and onward.

RwRIPFCARE indicates whether any paid professionals help the respondent with IADL needs. RwRIPFCAREN indicates the number of paid professionals who help the respondent with IADL needs. RwRIPFCARE is coded as 0 if no paid professionals help the respondent with IADLS, and is coded as 1 if at least one paid professional helps the respondent with IADLS. In Wave 2, RwRIPFCARE and RwRIPFCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRIPFCARE and RwRIPFCAREN are not available in Wave 1.

RwRIPFCAREDPM indicates the number of total days per month paid professionals help the respondent with IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRIPFCAREDPM is the sum of days per month for all paid professional helpers, and so values can be over 31 days. RwRIPFCAREDPM is calculated as long as there is one non-missing value. If the respondent's only paid professional helper is an employee of an institution, then the respondent is not asked how many days the respondent receives help, and RwRIPFCAREDPM is assigned special missing .e starting in Wave 6. RwRIPFCAREDPMM indicates the number of paid professionals who helped the respondent for whom no value of days was reported and was not accounted for in RwRIPFCAREDPM, including if the respondent is helped by an employee of an institution. RwRIPFCAREDPMM is assigned special missing .m if the respondent was not helped by any paid professionals or prior information was missing. RwRIPFCAREDPM and RwRIPFCAREDPMM are not available in Waves 1 and 2.

RwRIPFCAREHR indicates the number of hours per day paid professionals help the respondent with IADL needs. Respondents are asked, on days paid professionals help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RwRIPFCAREHR is the sum of hours per day for all paid professional helpers, and so values can be over 24 hours. RwRIPFCAREHR is calculated as long as there is one non-missing value. If the respondent's only paid professional helper is an employee of an institution, then the respondent is not asked how many hours the respondent receives help, and RwRIPFCAREHR is assigned special missing .e starting in Wave 6. RwRIPFCAREHRM indicates the number of paid professionals who helped the respondent for whom no value of hours was reported and was not accounted for in RwRIPFCAREHR, including if the respondent is helped by an employee of an institution. RwRIPFCAREHRM is assigned special missing .m if the respondent was not helped by any paid professionals or prior information was missing. In Wave 2, RwRIPFCAREHR and RwRIPFCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRIPFCAREHR and RwRIPFCAREHRM are not available in Wave 1.

SwRIPFCARE, SwRIPFCAREN, SwRIPFCAREDPM, and SwRIPFCAREHR indicate whether the respondent's current wave's spouse receives help from paid professionals, the number, and the frequency with which, and their values are taken from RwRIPFCARE, RwRIPFCAREN, RwRIPFCAREDPM, and RwRIPFCAREHR. SwRIPFCAREDPMM and SwRIPFCAREHRM indicate the number of paid professionals who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RwRIPFCAREDPMM and RwRIPFCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with IADLS at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

Respondents are asked who helps them with IADLS, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RwRIPFCARE and RwRIPFCAREN are available starting in the AHEAD cohorts in

Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RwRIPFCARE and RwRIPFCAREN are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a paid professional helps them with IADLs, and were asked how frequently and the number of hours that the paid professional provides help. However, the frequency of help is not comparable to other waves and so RwRIPFCAREDPM and RwRIPFCAREDPMM are not available in this wave. The number of hours that the paid professional helps is comparable, and so RwRIPFCAREHR and RwRIPFCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RwRIPFCAREHR and RwRIPFCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with IADLs, and are asked about the number of days or number of hours that a paid professional helps the respondent. As such, RwRIPFCAREDPM and RwRIPFCAREDPMM are available beginning in Wave 3.

Starting in Wave 6, if the respondent's helper is an employee of an institution, then the respondent is not asked for the number of days or hours that the respondent receives help from that helper, and RwRIPFCAREDPM and RwRIPFCAREHR are assigned special missing .e if this is the only type of paid professional helper the respondent has.

### HRS Variables Used:

#### RAND HRS:

R10MEALSA	r10mealsa:w10	r any diff-prepare hot meal
R10MEDSA	r10medsa:w10	r any diff-take medications
R10MONEYA	r10moneya:w10	r any diff-managing money
R10PHONEA	r10phonea:w10	r any diff-use telephone
R10SHOPA	r10shopa:w10	r any diff-shop for grocery
R11MEALSA	r11mealsa:w11	r any diff-prepare hot meal
R11MEDSA	r11medsa:w11	r any diff-take medications
R11MONEYA	r11moneya:w11	r any diff-managing money
R11PHONEA	r11phonea:w11	r any diff-use telephone
R11SHOPA	r11shopa:w11	r any diff-shop for grocery
R12MEALSA	r12mealsa:w12	r any diff-prepare hot meal
R12MEDSA	r12medsa:w12	r any diff-take medications
R12MONEYA	r12moneya:w12	r any diff-managing money
R12PHONEA	r12phonea:w12	r any diff-use telephone
R12SHOPA	r12shopa:w12	r any diff-shop for grocery
R13MEALSA	r13mealsa:w13	r any diff-prepare hot meal
R13MEDSA	r13medsa:w13	r any diff-take medications
R13MONEYA	r13moneya:w13	r any diff-managing money
R13PHONEA	r13phonea:w13	r any diff-use telephone
R13SHOPA	r13shopa:w13	r any diff-shop for grocery
R14MEALSA	r14mealsa:w14	r any diff-prepare hot meal
R14MEDSA	r14medsa:w14	r any diff-take medications
R14MONEYA	r14moneya:w14	r any diff-managing money
R14PHONEA	r14phonea:w14	r any diff-use telephone
R14SHOPA	r14shopa:w14	r any diff-shop for grocery
R15MEALSA	r15mealsa:w15	r any diff-prepare hot meal
R15MEDSA	r15medsa:w15	r any diff-take medications
R15MONEYA	r15moneya:w15	r any diff-managing money
R15PHONEA	r15phonea:w15	r any diff-use telephone
R15SHOPA	r15shopa:w15	r any diff-shop for grocery
R3MEALSA	r3mealsa:w3	r any diff-prepare hot meal
R3MEDSA	r3medsa:w3	r any diff-take medications
R3MONEYA	r3moneya:w3	r any diff-managing money
R3PHONEA	r3phonea:w3	r any diff-use telephone
R3SHOPA	r3shopa:w3	r any diff-shop for grocery
R4MEALSA	r4mealsa:w4	r any diff-prepare hot meal
R4MEDSA	r4medsa:w4	r any diff-take medications
R4MONEYA	r4moneya:w4	r any diff-managing money
R4PHONEA	r4phonea:w4	r any diff-use telephone
R4SHOPA	r4shopa:w4	r any diff-shop for grocery

R5MEALSA	r5mealsa:w5 r any diff-prepare hot meal
R5MEDSA	r5medsa:w5 r any diff-take medications
R5MONEYA	r5moneya:w5 r any diff-managing money
R5PHONEA	r5phonea:w5 r any diff-use telephone
R5SHOPA	r5shopa:w5 r any diff-shop for grocery
R6MEALSA	r6mealsa:w6 r any diff-prepare hot meal
R6MEDSA	r6medsa:w6 r any diff-take medications
R6MONEYA	r6moneya:w6 r any diff-managing money
R6PHONEA	r6phonea:w6 r any diff-use telephone
R6SHOPA	r6shopa:w6 r any diff-shop for grocery
R7MEALSA	r7mealsa:w7 r any diff-prepare hot meal
R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery

## Wave 2 AHEAD:

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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V993	E61. HELPER HOURS PER DAY
V994	E62. HELPER PAID?

## Wave 2 AHEAD HHLIST:

OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN_INHH	hrs w2: # in hhold (r1/r2 only)
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## Wave 3 AHEAD:

D2024	e95c.iadl meals help
D2029	e96c.iadl groc help
D2034	e97c.iadl phone help
D2039	e98c.iadl med help
D2041	e99.iadls-who help,1
D2050	e100.iadls-who help,2
D2055	e101.iadls-who help,3
D2061	e102.iadls-who help,4
D2067	e103.iadls-who help,5
D2073	e104.iadls-who help,6
D2102	e106c.iadl money who help,1
D2107	e107. money help-1
D2115	e107c.iadl money who help,2
D2121	e108. money helper-2

## Wave 3 AHEAD Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 3 HRS:

E2039 e95c.iadl meals help  
 E2044 e96c.iadl groc help  
 E2049 e97c.iadl phone help  
 E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help  
 F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help  
 F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4  
 F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6  
 F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

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
F2658	E158-2. HELPER OFTEN
F2659	E158A-2.HELPER PER WEEK
F2660	E158B-2.HELPER EVERY DAY
F2662	E159-2. HELPER HOURS
F2665	E162-2. HELPER PAID
OPN	OTHER PERSON NUMBER

## Wave 5:

G2863	e95c.iadl meals help
G2868	e96c.iadl groc help
G2873	e97c.iadl phone help
G2878	e98c.iadl med help
G2880	e99.iadls-who help-1
G2889	e100.iadls-who help-2
G2894	e101.iadls-who help-3
G2900	e102.iadls-who help-4
G2906	e103.iadls-who help-5
G2912	e104.iadls-who help-6
G2918	e106c.iadl money who help-1
G2919	e107. money help-1
G2922	e107c.iadl money who help-2
G2923	e108. money helper-2
G558	cs11.r in nursing home

## Wave 5 Helper:

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
OPN	OTHER PERSON NUMBER

## Wave 6:

HA028	r in nursing home
HG043	iadl meal preparation help
HG046	iadl groc shop help
HG049	iadl making phone calls help
HG053	iadl taking medications help
HG054_1	iadls- who helps most-1
HG054_2	iadls- who helps- 2
HG054_3	iadls- who helps- 3
HG054_4	iadls- who helps- 4
HG054_5	iadls- who helps- 5
HG054_6	iadls- who helps- 6
HG061	iadl managing money help
HG062_1	who helps manage money-1
HG062_2	who helps manage money-2

## Wave 6 Helper:

HG069	helper relationship
HG070	freq of help given- days in last month
HG071	freq of help given- days per week
HG072	did helper help every dy
HG073	#hrs of help
HG076	helper paid to help
HIADLNDX	iadl helper index
HMNYNDX	money helper index

## Wave 7:

JA028	r in nursing home
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JG043 iadl meal preparation help  
 JG046 iadl groc shop help  
 JG049 iadl making phone calls help  
 JG053 iadl taking medications help  
 JG054\_1 iadls- who helps most-1  
 JG054\_2 iadls- who helps- 2  
 JG054\_3 iadls- who helps- 3  
 JG054\_4 iadls- who helps- 4  
 JG054\_5 iadls- who helps- 5  
 JG054\_6 iadls- who helps- 6  
 JG061 iadl managing money help  
 JG062\_1 who helps manage money-1  
 JG062\_2 who helps manage money-2  
 Wave 7 Helper:  
 JG069 helper relationship  
 JG070 freq of help given-days last month  
 JG071 # days helper helped  
 JG072 did helper help every dy  
 JG073 #hrs of help  
 JG076 helper given money to help  
 JIADLNDX index connection to the iadl table  
 JMNYNDX index connection to the money table  
 Wave 8:  
 KA028 r in nursing home  
 KG043 iadl meal preparation help  
 KG046 iadl groc shop help  
 KG049 iadl making phone calls help  
 KG053 iadl taking medications help  
 KG054\_1 iadls- who helps most-1  
 KG054\_2 iadls- who helps- 2  
 KG054\_3 iadls- who helps- 3  
 KG054\_4 iadls- who helps- 4  
 KG054\_5 iadls- who helps- 5  
 KG054\_6 iadls- who helps- 6  
 KG061 iadl managing money help  
 KG062\_1 who helps manage money-1  
 KG062\_2 who helps manage money-2  
 Wave 8 Helper:  
 KG069 helper relationship  
 KG070 freq of help given-days last month  
 KG071 # days helper helped  
 KG072 did helper help every dy  
 KG073 #hrs of help  
 KG076 helper given money to help  
 KIADLNDX index connection to the iadl table  
 KMNYNDX index connection to the money table  
 Wave 9:  
 LA028 r in nursing home  
 LG043 iadl meal preparation help  
 LG046 iadl groc shop help  
 LG049 iadl making phone calls help  
 LG053 iadl taking medications help  
 LG054\_1 iadls- who helps most-1  
 LG054\_2 iadls- who helps- 2  
 LG054\_3 iadls- who helps- 3  
 LG054\_4 iadls- who helps- 4  
 LG054\_5 iadls- who helps- 5  
 LG054\_6 iadls- who helps- 6  
 LG061 iadl managing money help  
 LG062\_1 who helps manage money-1  
 LG062\_2 who helps manage money-2  
 Wave 9 Helper:  
 LG069 helper relationship

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LG070      freq of help given-days last month
LG071      # days helper helped
LG072      did helper help every day
LG073      #hrs of help
LG076      helper given money to help
LIADLNDX   index connection to the iadl table
LMNYNDX    index connection to the money table

Wave 10:
MA028      r in nursing home
MG043      iadl meal preparation help
MG046      iadl groc shop help
MG049      iadl making phone calls help
MG053      iadl taking medications help
MG054_1    iadls- who helps -1
MG054_2    iadls- who helps- 2
MG054_3    iadls- who helps- 3
MG054_4    iadls- who helps- 4
MG054_5    iadls- who helps- 5
MG054_6    iadls- who helps- 6
MG061      iadl managing money help
MG062_1    who helps manage money-1
MG062_2    who helps manage money-2

Wave 10 Helper:
MG069      helper relationship -1
MG070      freq of help given -1
MG071      # days helper helped -1
MG072      did helper help every dy -1
MG073      #hrs of help -1
MG076      helper given money to help -1
MIADLNDX   index connection to the iadl table
MMNYNDX    index connection to the money table

Wave 11:
NA028      r in nursing home
NG043      iadl meal preparation help
NG046      iadl groc shop help
NG049      iadl making phone calls help
NG053      iadl taking medications help
NG054_1    iadls- who helps -1
NG054_2    iadls- who helps- 2
NG054_3    iadls- who helps- 3
NG054_4    iadls- who helps- 4
NG054_5    iadls- who helps- 5
NG054_6    iadls- who helps- 6
NG061      iadl managing money help
NG062_1    who helps manage money-1
NG062_2    who helps manage money-2

Wave 11 Helper:
NG069      helper relationship
NG070      freq of help given
NG071      # days helper helped
NG072      did helper help every dy
NG073      #hrs of help
NG076      helper given money to help
NIADLNDX   index connection to the iadl table
NMNYNDX    index connection to the money table

Wave 12:
OA028      r in nursing home
OG043      iadl meal preparation help
OG046      iadl groc shop help
OG049      iadl making phone calls help
OG053      iadl taking medications help
OG054_1    iadls- who helps -1
OG054_2    iadls- who helps- 2
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OG054_3	iadls- who helps- 3
OG054_4	iadls- who helps- 4
OG054_5	iadls- who helps- 5
OG054_6	iadls- who helps- 6
OG061	iadl managing money help
OG062_1	who helps manage money-1
OG062_2	who helps manage money-2
Wave 12 Helper:	
OG069	helper relationship
OG070	freq of help given
OG071	# days helper helped
OG072	did helper help every dy
OG073	#hrs of help
OG076	helper given money to help
OIADLNDX	index connection to the iadl table
OMNYNDX	index connection to the money table
Wave 13:	
PA028	r in nursing home
PG043	iadl meal preparation help
PG046	iadl groc shop help
PG049	iadl making phone calls help
PG053	iadl taking medications help
PG054_1	iadls- who helps -1
PG054_2	iadls- who helps- 2
PG054_3	iadls- who helps- 3
PG054_4	iadls- who helps- 4
PG054_5	iadls- who helps- 5
PG054_6	iadls- who helps- 6
PG061	iadl managing money help
PG062_1	who helps manage money-1
PG062_2	who helps manage money-2
Wave 13 Helper:	
PG069	helper relationship
PG070	freq of help given
PG071	# days helper helped
PG072	did helper help every dy
PG073	#hrs of help
PG076	helper given money to help
PIADLNDX	index connection to the iadl table
PMNYNDX	index connection to the money table
Wave 14:	
QA028	r in nursing home
QG043	iadl meal preparation help
QG046	iadl groc shop help
QG049	iadl making phone calls help
QG053	iadl taking medications help
QG054_1	iadls- who helps -1
QG054_2	iadls- who helps- 2
QG054_3	iadls- who helps- 3
QG054_4	iadls- who helps- 4
QG054_5	iadls- who helps- 5
QG054_6	iadls- who helps- 6
QG061	iadl managing money help
QG062_1	who helps manage money-1
QG062_2	who helps manage money-2
Wave 14 Helper:	
QG069	HELPER RELATIONSHIP
QG070	FREQ OF HELP GIVEN
QG071	# DAYS HELPER HELPED
QG072	DID HELPER HELP EVERY DY
QG073	#HRS OF HELP
QG076	HELPER GIVEN MONEY TO HELP
QIADLNDX	INDEX CONNECTION TO THE IADL TABLE



QMNYNDX	INDEX CONNECTION TO THE MONEY TABLE
Wave 15:	
RA028	r in nursing home
RG043	iadl meal preparation help
RG046	iadl groc shop help
RG049	iadl making phone calls help
RG053	iadl taking medications help
RG054_1	iadls- who helps -1
RG054_2	iadls- who helps- 2
RG054_3	iadls- who helps- 3
RG054_4	iadls- who helps- 4
RG054_5	iadls- who helps- 5
RG054_6	iadls- who helps- 6
RG061	iadl managing money help
RG062_1	who helps manage money-1
RG062_2	who helps manage money-2
Wave 15 Helper:	
RG069	HELPER RELATIONSHIP
RG070	FREQ OF HELP GIVEN
RG071	# DAYS HELPER HELPED
RG072	DID HELPER HELP EVERY DY
RG073	#HRS OF HELP
RG076	HELPER GIVEN MONEY TO HELP
RIADLNDX	INDEX CONNECTION TO THE IADL TABLE
RMNYNDX	INDEX CONNECTION TO THE MONEY TABLE

<b>Instrumental Activities of Daily Living: Receives Informal Care from Unpaid Professionals</b>
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Wave	Variable	Label	Type
02	R2RIUFCARE	r2riufcare:w2 r receives formal care from unpaid professiona	Categ
03	R3RIUFCARE	r3riufcare:w3 r receives formal care from unpaid professiona	Categ
04	R4RIUFCARE	r4riufcare:w4 r receives formal care from unpaid professiona	Categ
05	R5RIUFCARE	r5riufcare:w5 r receives formal care from unpaid professiona	Categ
06	R6RIUFCARE	r6riufcare:w6 r receives formal care from unpaid professiona	Categ
07	R7RIUFCARE	r7riufcare:w7 r receives formal care from unpaid professiona	Categ
08	R8RIUFCARE	r8riufcare:w8 r receives formal care from unpaid professiona	Categ
09	R9RIUFCARE	r9riufcare:w9 r receives formal care from unpaid professiona	Categ
10	R10RIUFCARE	r10riufcare:w10 r receives formal care from unpaid professio	Categ
11	R11RIUFCARE	r11riufcare:w11 r receives formal care from unpaid professio	Categ
12	R12RIUFCARE	r12riufcare:w12 r receives formal care from unpaid professio	Categ
13	R13RIUFCARE	r13riufcare:w13 r receives formal care from unpaid professio	Categ
14	R14RIUFCARE	r14riufcare:w14 r receives formal care from unpaid professio	Categ
15	R15RIUFCARE	r15riufcare:w15 r receives formal care from unpaid professio	Categ
02	S2RIUFCARE	s2riufcare:w2 s receives formal care from unpaid professiona	Categ
03	S3RIUFCARE	s3riufcare:w3 s receives formal care from unpaid professiona	Categ
04	S4RIUFCARE	s4riufcare:w4 s receives formal care from unpaid professiona	Categ
05	S5RIUFCARE	s5riufcare:w5 s receives formal care from unpaid professiona	Categ
06	S6RIUFCARE	s6riufcare:w6 s receives formal care from unpaid professiona	Categ
07	S7RIUFCARE	s7riufcare:w7 s receives formal care from unpaid professiona	Categ
08	S8RIUFCARE	s8riufcare:w8 s receives formal care from unpaid professiona	Categ
09	S9RIUFCARE	s9riufcare:w9 s receives formal care from unpaid professiona	Categ
10	S10RIUFCARE	s10riufcare:w10 s receives formal care from unpaid professio	Categ
11	S11RIUFCARE	s11riufcare:w11 s receives formal care from unpaid professio	Categ
12	S12RIUFCARE	s12riufcare:w12 s receives formal care from unpaid professio	Categ
13	S13RIUFCARE	s13riufcare:w13 s receives formal care from unpaid professio	Categ
14	S14RIUFCARE	s14riufcare:w14 s receives formal care from unpaid professio	Categ
15	S15RIUFCARE	s15riufcare:w15 s receives formal care from unpaid professio	Categ
02	R2RIUFCAREN	r2riufcaren:w2 # unpaid professionals who help r with iadls	Cont
03	R3RIUFCAREN	r3riufcaren:w3 # unpaid professionals who help r with iadls	Cont
04	R4RIUFCAREN	r4riufcaren:w4 # unpaid professionals who help r with iadls	Cont
05	R5RIUFCAREN	r5riufcaren:w5 # unpaid professionals who help r with iadls	Cont
06	R6RIUFCAREN	r6riufcaren:w6 # unpaid professionals who help r with iadls	Cont
07	R7RIUFCAREN	r7riufcaren:w7 # unpaid professionals who help r with iadls	Cont
08	R8RIUFCAREN	r8riufcaren:w8 # unpaid professionals who help r with iadls	Cont
09	R9RIUFCAREN	r9riufcaren:w9 # unpaid professionals who help r with iadls	Cont
10	R10RIUFCAREN	r10riufcaren:w10 # unpaid professionals who help r with iadl	Cont
11	R11RIUFCAREN	r11riufcaren:w11 # unpaid professionals who help r with iadl	Cont
12	R12RIUFCAREN	r12riufcaren:w12 # unpaid professionals who help r with iadl	Cont
13	R13RIUFCAREN	r13riufcaren:w13 # unpaid professionals who help r with iadl	Cont
14	R14RIUFCAREN	r14riufcaren:w14 # unpaid professionals who help r with iadl	Cont
15	R15RIUFCAREN	r15riufcaren:w15 # unpaid professionals who help r with iadl	Cont
02	S2RIUFCAREN	s2riufcaren:w2 # unpaid professionals who help s with iadls	Cont
03	S3RIUFCAREN	s3riufcaren:w3 # unpaid professionals who help s with iadls	Cont
04	S4RIUFCAREN	s4riufcaren:w4 # unpaid professionals who help s with iadls	Cont
05	S5RIUFCAREN	s5riufcaren:w5 # unpaid professionals who help s with iadls	Cont
06	S6RIUFCAREN	s6riufcaren:w6 # unpaid professionals who help s with iadls	Cont
07	S7RIUFCAREN	s7riufcaren:w7 # unpaid professionals who help s with iadls	Cont
08	S8RIUFCAREN	s8riufcaren:w8 # unpaid professionals who help s with iadls	Cont
09	S9RIUFCAREN	s9riufcaren:w9 # unpaid professionals who help s with iadls	Cont
10	S10RIUFCAREN	s10riufcaren:w10 # unpaid professionals who help s with iadl	Cont
11	S11RIUFCAREN	s11riufcaren:w11 # unpaid professionals who help s with iadl	Cont
12	S12RIUFCAREN	s12riufcaren:w12 # unpaid professionals who help s with iadl	Cont
13	S13RIUFCAREN	s13riufcaren:w13 # unpaid professionals who help s with iadl	Cont

14	S14RIUFCAREN	s14riufcaren:w14 # unpaid professionals who help s with iadl	Cont
15	S15RIUFCAREN	s15riufcaren:w15 # unpaid professionals who help s with iadl	Cont
03	R3RIUFCAREDPM	r3riufcaredpm:w3 days/month unpaid professionals help r with	Cont
04	R4RIUFCAREDPM	r4riufcaredpm:w4 days/month unpaid professionals help r with	Cont
05	R5RIUFCAREDPM	r5riufcaredpm:w5 days/month unpaid professionals help r with	Cont
06	R6RIUFCAREDPM	r6riufcaredpm:w6 days/month unpaid professionals help r with	Cont
07	R7RIUFCAREDPM	r7riufcaredpm:w7 days/month unpaid professionals help r with	Cont
08	R8RIUFCAREDPM	r8riufcaredpm:w8 days/month unpaid professionals help r with	Cont
09	R9RIUFCAREDPM	r9riufcaredpm:w9 days/month unpaid professionals help r with	Cont
10	R10RIUFCAREDPM	r10riufcaredpm:w10 days/month unpaid professionals help r wi	Cont
11	R11RIUFCAREDPM	r11riufcaredpm:w11 days/month unpaid professionals help r wi	Cont
12	R12RIUFCAREDPM	r12riufcaredpm:w12 days/month unpaid professionals help r wi	Cont
13	R13RIUFCAREDPM	r13riufcaredpm:w13 days/month unpaid professionals help r wi	Cont
14	R14RIUFCAREDPM	r14riufcaredpm:w14 days/month unpaid professionals help r wi	Cont
15	R15RIUFCAREDPM	r15riufcaredpm:w15 days/month unpaid professionals help r wi	Cont
03	S3RIUFCAREDPM	s3riufcaredpm:w3 days/month unpaid professionals help s with	Cont
04	S4RIUFCAREDPM	s4riufcaredpm:w4 days/month unpaid professionals help s with	Cont
05	S5RIUFCAREDPM	s5riufcaredpm:w5 days/month unpaid professionals help s with	Cont
06	S6RIUFCAREDPM	s6riufcaredpm:w6 days/month unpaid professionals help s with	Cont
07	S7RIUFCAREDPM	s7riufcaredpm:w7 days/month unpaid professionals help s with	Cont
08	S8RIUFCAREDPM	s8riufcaredpm:w8 days/month unpaid professionals help s with	Cont
09	S9RIUFCAREDPM	s9riufcaredpm:w9 days/month unpaid professionals help s with	Cont
10	S10RIUFCAREDPM	s10riufcaredpm:w10 days/month unpaid professionals help s wi	Cont
11	S11RIUFCAREDPM	s11riufcaredpm:w11 days/month unpaid professionals help s wi	Cont
12	S12RIUFCAREDPM	s12riufcaredpm:w12 days/month unpaid professionals help s wi	Cont
13	S13RIUFCAREDPM	s13riufcaredpm:w13 days/month unpaid professionals help s wi	Cont
14	S14RIUFCAREDPM	s14riufcaredpm:w14 days/month unpaid professionals help s wi	Cont
15	S15RIUFCAREDPM	s15riufcaredpm:w15 days/month unpaid professionals help s wi	Cont
03	R3RIUFCAREDPMM	r3riufcaredpmm:w3 r # unpaid professionals missing days of h	Cont
04	R4RIUFCAREDPMM	r4riufcaredpmm:w4 r # unpaid professionals missing days of h	Cont
05	R5RIUFCAREDPMM	r5riufcaredpmm:w5 r # unpaid professionals missing days of h	Cont
06	R6RIUFCAREDPMM	r6riufcaredpmm:w6 r # unpaid professionals missing days of h	Cont
07	R7RIUFCAREDPMM	r7riufcaredpmm:w7 r # unpaid professionals missing days of h	Cont
08	R8RIUFCAREDPMM	r8riufcaredpmm:w8 r # unpaid professionals missing days of h	Cont
09	R9RIUFCAREDPMM	r9riufcaredpmm:w9 r # unpaid professionals missing days of h	Cont
10	R10RIUFCAREDPMM	r10riufcaredpmm:w10 r # unpaid professionals missing days of	Cont
11	R11RIUFCAREDPMM	r11riufcaredpmm:w11 r # unpaid professionals missing days of	Cont
12	R12RIUFCAREDPMM	r12riufcaredpmm:w12 r # unpaid professionals missing days of	Cont
13	R13RIUFCAREDPMM	r13riufcaredpmm:w13 r # unpaid professionals missing days of	Cont
14	R14RIUFCAREDPMM	r14riufcaredpmm:w14 r # unpaid professionals missing days of	Cont
15	R15RIUFCAREDPMM	r15riufcaredpmm:w15 r # unpaid professionals missing days of	Cont
03	S3RIUFCAREDPMM	s3riufcaredpmm:w3 s # unpaid professionals missing days of h	Cont
04	S4RIUFCAREDPMM	s4riufcaredpmm:w4 s # unpaid professionals missing days of h	Cont
05	S5RIUFCAREDPMM	s5riufcaredpmm:w5 s # unpaid professionals missing days of h	Cont
06	S6RIUFCAREDPMM	s6riufcaredpmm:w6 s # unpaid professionals missing days of h	Cont
07	S7RIUFCAREDPMM	s7riufcaredpmm:w7 s # unpaid professionals missing days of h	Cont
08	S8RIUFCAREDPMM	s8riufcaredpmm:w8 s # unpaid professionals missing days of h	Cont
09	S9RIUFCAREDPMM	s9riufcaredpmm:w9 s # unpaid professionals missing days of h	Cont
10	S10RIUFCAREDPMM	s10riufcaredpmm:w10 s # unpaid professionals missing days of	Cont
11	S11RIUFCAREDPMM	s11riufcaredpmm:w11 s # unpaid professionals missing days of	Cont
12	S12RIUFCAREDPMM	s12riufcaredpmm:w12 s # unpaid professionals missing days of	Cont
13	S13RIUFCAREDPMM	s13riufcaredpmm:w13 s # unpaid professionals missing days of	Cont
14	S14RIUFCAREDPMM	s14riufcaredpmm:w14 s # unpaid professionals missing days of	Cont
15	S15RIUFCAREDPMM	s15riufcaredpmm:w15 s # unpaid professionals missing days of	Cont
02	R2RIUFCAREHR	r2riufcarehr:w2 hours/day unpaid professionals help r with i	Cont
03	R3RIUFCAREHR	r3riufcarehr:w3 hours/day unpaid professionals help r with i	Cont
04	R4RIUFCAREHR	r4riufcarehr:w4 hours/day unpaid professionals help r with i	Cont
05	R5RIUFCAREHR	r5riufcarehr:w5 hours/day unpaid professionals help r with i	Cont

06	R6RIUFCAREHR	r6riufcarehr:w6 hours/day unpaid professionals help r with i	Cont
07	R7RIUFCAREHR	r7riufcarehr:w7 hours/day unpaid professionals help r with i	Cont
08	R8RIUFCAREHR	r8riufcarehr:w8 hours/day unpaid professionals help r with i	Cont
09	R9RIUFCAREHR	r9riufcarehr:w9 hours/day unpaid professionals help r with i	Cont
10	R10RIUFCAREHR	r10riufcarehr:w10 hours/day unpaid professionals help r with	Cont
11	R11RIUFCAREHR	r11riufcarehr:w11 hours/day unpaid professionals help r with	Cont
12	R12RIUFCAREHR	r12riufcarehr:w12 hours/day unpaid professionals help r with	Cont
13	R13RIUFCAREHR	r13riufcarehr:w13 hours/day unpaid professionals help r with	Cont
14	R14RIUFCAREHR	r14riufcarehr:w14 hours/day unpaid professionals help r with	Cont
15	R15RIUFCAREHR	r15riufcarehr:w15 hours/day unpaid professionals help r with	Cont
02	S2RIUFCAREHR	s2riufcarehr:w2 hours/day unpaid professionals help s with i	Cont
03	S3RIUFCAREHR	s3riufcarehr:w3 hours/day unpaid professionals help s with i	Cont
04	S4RIUFCAREHR	s4riufcarehr:w4 hours/day unpaid professionals help s with i	Cont
05	S5RIUFCAREHR	s5riufcarehr:w5 hours/day unpaid professionals help s with i	Cont
06	S6RIUFCAREHR	s6riufcarehr:w6 hours/day unpaid professionals help s with i	Cont
07	S7RIUFCAREHR	s7riufcarehr:w7 hours/day unpaid professionals help s with i	Cont
08	S8RIUFCAREHR	s8riufcarehr:w8 hours/day unpaid professionals help s with i	Cont
09	S9RIUFCAREHR	s9riufcarehr:w9 hours/day unpaid professionals help s with i	Cont
10	S10RIUFCAREHR	s10riufcarehr:w10 hours/day unpaid professionals help s with	Cont
11	S11RIUFCAREHR	s11riufcarehr:w11 hours/day unpaid professionals help s with	Cont
12	S12RIUFCAREHR	s12riufcarehr:w12 hours/day unpaid professionals help s with	Cont
13	S13RIUFCAREHR	s13riufcarehr:w13 hours/day unpaid professionals help s with	Cont
14	S14RIUFCAREHR	s14riufcarehr:w14 hours/day unpaid professionals help s with	Cont
15	S15RIUFCAREHR	s15riufcarehr:w15 hours/day unpaid professionals help s with	Cont
02	R2RIUFCAREHRM	r2riufcarehrm:w2 r # unpaid professionals missing hours of h	Cont
03	R3RIUFCAREHRM	r3riufcarehrm:w3 r # unpaid professionals missing hours of h	Cont
04	R4RIUFCAREHRM	r4riufcarehrm:w4 r # unpaid professionals missing hours of h	Cont
05	R5RIUFCAREHRM	r5riufcarehrm:w5 r # unpaid professionals missing hours of h	Cont
06	R6RIUFCAREHRM	r6riufcarehrm:w6 r # unpaid professionals missing hours of h	Cont
07	R7RIUFCAREHRM	r7riufcarehrm:w7 r # unpaid professionals missing hours of h	Cont
08	R8RIUFCAREHRM	r8riufcarehrm:w8 r # unpaid professionals missing hours of h	Cont
09	R9RIUFCAREHRM	r9riufcarehrm:w9 r # unpaid professionals missing hours of h	Cont
10	R10RIUFCAREHRM	r10riufcarehrm:w10 r # unpaid professionals missing hours of	Cont
11	R11RIUFCAREHRM	r11riufcarehrm:w11 r # unpaid professionals missing hours of	Cont
12	R12RIUFCAREHRM	r12riufcarehrm:w12 r # unpaid professionals missing hours of	Cont
13	R13RIUFCAREHRM	r13riufcarehrm:w13 r # unpaid professionals missing hours of	Cont
14	R14RIUFCAREHRM	r14riufcarehrm:w14 r # unpaid professionals missing hours of	Cont
15	R15RIUFCAREHRM	r15riufcarehrm:w15 r # unpaid professionals missing hours of	Cont
02	S2RIUFCAREHRM	s2riufcarehrm:w2 s # unpaid professionals missing hours of h	Cont
03	S3RIUFCAREHRM	s3riufcarehrm:w3 s # unpaid professionals missing hours of h	Cont
04	S4RIUFCAREHRM	s4riufcarehrm:w4 s # unpaid professionals missing hours of h	Cont
05	S5RIUFCAREHRM	s5riufcarehrm:w5 s # unpaid professionals missing hours of h	Cont
06	S6RIUFCAREHRM	s6riufcarehrm:w6 s # unpaid professionals missing hours of h	Cont
07	S7RIUFCAREHRM	s7riufcarehrm:w7 s # unpaid professionals missing hours of h	Cont
08	S8RIUFCAREHRM	s8riufcarehrm:w8 s # unpaid professionals missing hours of h	Cont
09	S9RIUFCAREHRM	s9riufcarehrm:w9 s # unpaid professionals missing hours of h	Cont
10	S10RIUFCAREHRM	s10riufcarehrm:w10 s # unpaid professionals missing hours of	Cont
11	S11RIUFCAREHRM	s11riufcarehrm:w11 s # unpaid professionals missing hours of	Cont
12	S12RIUFCAREHRM	s12riufcarehrm:w12 s # unpaid professionals missing hours of	Cont
13	S13RIUFCAREHRM	s13riufcarehrm:w13 s # unpaid professionals missing hours of	Cont
14	S14RIUFCAREHRM	s14riufcarehrm:w14 s # unpaid professionals missing hours of	Cont
15	S15RIUFCAREHRM	s15riufcarehrm:w15 s # unpaid professionals missing hours of	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RIUFCARE	2232	0.02	0.12	0.00	1.00
R3RIUFCARE	2256	0.01	0.10	0.00	1.00
R4RIUFCARE	2578	0.01	0.11	0.00	1.00

R5RIUFCARE	2356	0.01	0.11	0.00	1.00
R6RIUFCARE	2354	0.01	0.12	0.00	1.00
R7RIUFCARE	2496	0.01	0.09	0.00	1.00
R8RIUFCARE	2436	0.01	0.12	0.00	1.00
R9RIUFCARE	2249	0.01	0.10	0.00	1.00
R10RIUFCARE	2935	0.01	0.08	0.00	1.00
R11RIUFCARE	2782	0.01	0.10	0.00	1.00
R12RIUFCARE	2653	0.01	0.09	0.00	1.00
R13RIUFCARE	2737	0.01	0.10	0.00	1.00
R14RIUFCARE	2181	0.01	0.08	0.00	1.00
R15RIUFCARE	1931	0.01	0.09	0.00	1.00
S2RIUFCARE	1070	0.01	0.08	0.00	1.00
S3RIUFCARE	1050	0.01	0.08	0.00	1.00
S4RIUFCARE	1224	0.01	0.09	0.00	1.00
S5RIUFCARE	1085	0.01	0.08	0.00	1.00
S6RIUFCARE	1028	0.01	0.09	0.00	1.00
S7RIUFCARE	1156	0.00	0.06	0.00	1.00
S8RIUFCARE	1107	0.01	0.09	0.00	1.00
S9RIUFCARE	964	0.00	0.06	0.00	1.00
S10RIUFCARE	1369	0.01	0.08	0.00	1.00
S11RIUFCARE	1277	0.01	0.09	0.00	1.00
S12RIUFCARE	1196	0.00	0.06	0.00	1.00
S13RIUFCARE	1209	0.00	0.06	0.00	1.00
S14RIUFCARE	953	0.01	0.07	0.00	1.00
S15RIUFCARE	810	0.00	0.05	0.00	1.00
R2RIUFCAREN	2232	0.02	0.13	0.00	2.00
R3RIUFCAREN	2256	0.01	0.12	0.00	2.00
R4RIUFCAREN	2578	0.01	0.12	0.00	2.00
R5RIUFCAREN	2356	0.01	0.11	0.00	1.00
R6RIUFCAREN	2354	0.02	0.14	0.00	3.00
R7RIUFCAREN	2496	0.01	0.09	0.00	1.00
R8RIUFCAREN	2436	0.01	0.12	0.00	1.00
R9RIUFCAREN	2249	0.01	0.11	0.00	2.00
R10RIUFCAREN	2935	0.01	0.09	0.00	2.00
R11RIUFCAREN	2782	0.01	0.12	0.00	4.00
R12RIUFCAREN	2653	0.01	0.10	0.00	2.00
R13RIUFCAREN	2737	0.01	0.10	0.00	2.00
R14RIUFCAREN	2181	0.01	0.08	0.00	1.00
R15RIUFCAREN	1931	0.01	0.09	0.00	1.00
S2RIUFCAREN	1070	0.01	0.08	0.00	1.00
S3RIUFCAREN	1050	0.01	0.08	0.00	1.00
S4RIUFCAREN	1224	0.01	0.09	0.00	1.00
S5RIUFCAREN	1085	0.01	0.08	0.00	1.00
S6RIUFCAREN	1028	0.01	0.14	0.00	3.00
S7RIUFCAREN	1156	0.00	0.06	0.00	1.00
S8RIUFCAREN	1107	0.01	0.09	0.00	1.00
S9RIUFCAREN	964	0.00	0.06	0.00	1.00
S10RIUFCAREN	1369	0.01	0.08	0.00	1.00
S11RIUFCAREN	1277	0.01	0.14	0.00	4.00
S12RIUFCAREN	1196	0.00	0.06	0.00	1.00
S13RIUFCAREN	1209	0.00	0.06	0.00	1.00
S14RIUFCAREN	953	0.01	0.07	0.00	1.00
S15RIUFCAREN	810	0.00	0.05	0.00	1.00
R3RIUFCAREDPM	2256	0.32	3.34	0.00	62.00
R4RIUFCAREDPM	2577	0.23	2.73	0.00	62.00
R5RIUFCAREDPM	2355	0.13	1.69	0.00	30.00
R6RIUFCAREDPM	2352	0.26	3.16	0.00	93.00
R7RIUFCAREDPM	2495	0.13	1.78	0.00	31.00
R8RIUFCAREDPM	2436	0.18	2.04	0.00	31.00

R9RIUFCAREDPM	2249	0.15	1.84	0.00	31.00
R10RIUFCAREDPM	2934	0.09	1.49	0.00	31.00
R11RIUFCAREDPM	2781	0.16	2.29	0.00	74.00
R12RIUFCAREDPM	2652	0.12	1.70	0.00	31.00
R13RIUFCAREDPM	2735	0.09	1.39	0.00	31.00
R14RIUFCAREDPM	2181	0.07	1.14	0.00	30.00
R15RIUFCAREDPM	1930	0.10	1.51	0.00	31.00
S3RIUFCAREDPM	1050	0.16	2.14	0.00	31.00
S4RIUFCAREDPM	1224	0.11	1.64	0.00	31.00
S5RIUFCAREDPM	1085	0.12	1.73	0.00	30.00
S6RIUFCAREDPM	1027	0.20	3.57	0.00	93.00
S7RIUFCAREDPM	1155	0.08	1.53	0.00	30.00
S8RIUFCAREDPM	1107	0.10	1.54	0.00	31.00
S9RIUFCAREDPM	964	0.08	1.45	0.00	31.00
S10RIUFCAREDPM	1369	0.10	1.52	0.00	31.00
S11RIUFCAREDPM	1277	0.12	2.38	0.00	74.00
S12RIUFCAREDPM	1196	0.04	0.87	0.00	26.00
S13RIUFCAREDPM	1209	0.06	1.27	0.00	31.00
S14RIUFCAREDPM	953	0.07	1.26	0.00	30.00
S15RIUFCAREDPM	810	0.01	0.30	0.00	6.00
R3RIUFCAREDPMM	2256	0.00	0.00	0.00	0.00
R4RIUFCAREDPMM	2578	0.00	0.00	0.00	0.00
R5RIUFCAREDPMM	2356	0.00	0.02	0.00	1.00
R6RIUFCAREDPMM	2354	0.00	0.03	0.00	1.00
R7RIUFCAREDPMM	2496	0.00	0.02	0.00	1.00
R8RIUFCAREDPMM	2436	0.00	0.00	0.00	0.00
R9RIUFCAREDPMM	2249	0.00	0.00	0.00	0.00
R10RIUFCAREDPMM	2935	0.00	0.03	0.00	1.00
R11RIUFCAREDPMM	2782	0.00	0.02	0.00	1.00
R12RIUFCAREDPMM	2653	0.00	0.04	0.00	2.00
R13RIUFCAREDPMM	2737	0.00	0.03	0.00	1.00
R14RIUFCAREDPMM	2181	0.00	0.00	0.00	0.00
R15RIUFCAREDPMM	1931	0.00	0.02	0.00	1.00
S3RIUFCAREDPMM	1050	0.00	0.00	0.00	0.00
S4RIUFCAREDPMM	1224	0.00	0.00	0.00	0.00
S5RIUFCAREDPMM	1085	0.00	0.00	0.00	0.00
S6RIUFCAREDPMM	1028	0.00	0.03	0.00	1.00
S7RIUFCAREDPMM	1156	0.00	0.03	0.00	1.00
S8RIUFCAREDPMM	1107	0.00	0.00	0.00	0.00
S9RIUFCAREDPMM	964	0.00	0.00	0.00	0.00
S10RIUFCAREDPMM	1369	0.00	0.00	0.00	0.00
S11RIUFCAREDPMM	1277	0.00	0.00	0.00	0.00
S12RIUFCAREDPMM	1196	0.00	0.00	0.00	0.00
S13RIUFCAREDPMM	1209	0.00	0.00	0.00	0.00
S14RIUFCAREDPMM	953	0.00	0.00	0.00	0.00
S15RIUFCAREDPMM	810	0.00	0.00	0.00	0.00
R2RIUFCAREHR	2229	0.03	0.26	0.00	5.00
R3RIUFCAREHR	2254	0.05	0.85	0.00	26.00
R4RIUFCAREHR	2576	0.06	1.12	0.00	48.00
R5RIUFCAREHR	2354	0.03	0.54	0.00	24.00
R6RIUFCAREHR	2350	0.08	1.35	0.00	48.00
R7RIUFCAREHR	2494	0.02	0.21	0.00	6.00
R8RIUFCAREHR	2435	0.04	0.44	0.00	10.00
R9RIUFCAREHR	2248	0.04	0.68	0.00	24.00
R10RIUFCAREHR	2933	0.02	0.26	0.00	8.00
R11RIUFCAREHR	2779	0.03	0.43	0.00	16.00
R12RIUFCAREHR	2649	0.02	0.51	0.00	24.00
R13RIUFCAREHR	2735	0.03	0.47	0.00	18.00
R14RIUFCAREHR	2179	0.01	0.24	0.00	6.00

R15RIUFCAREHR	1930	0.02	0.33	0.00	12.00
S2RIUFCAREHR	1070	0.01	0.21	0.00	4.00
S3RIUFCAREHR	1049	0.02	0.29	0.00	7.00
S4RIUFCAREHR	1223	0.01	0.22	0.00	6.00
S5RIUFCAREHR	1085	0.03	0.75	0.00	24.00
S6RIUFCAREHR	1027	0.08	1.69	0.00	48.00
S7RIUFCAREHR	1155	0.01	0.17	0.00	4.00
S8RIUFCAREHR	1107	0.02	0.30	0.00	7.00
S9RIUFCAREHR	963	0.00	0.08	0.00	2.00
S10RIUFCAREHR	1368	0.02	0.32	0.00	8.00
S11RIUFCAREHR	1276	0.03	0.56	0.00	16.00
S12RIUFCAREHR	1195	0.01	0.11	0.00	3.00
S13RIUFCAREHR	1208	0.01	0.11	0.00	3.00
S14RIUFCAREHR	952	0.01	0.17	0.00	5.00
S15RIUFCAREHR	810	0.00	0.11	0.00	3.00
R2RIUFCAREHRM	2232	0.00	0.04	0.00	1.00
R3RIUFCAREHRM	2256	0.00	0.05	0.00	2.00
R4RIUFCAREHRM	2578	0.00	0.03	0.00	1.00
R5RIUFCAREHRM	2356	0.00	0.03	0.00	1.00
R6RIUFCAREHRM	2354	0.00	0.04	0.00	1.00
R7RIUFCAREHRM	2496	0.00	0.03	0.00	1.00
R8RIUFCAREHRM	2436	0.00	0.02	0.00	1.00
R9RIUFCAREHRM	2249	0.00	0.02	0.00	1.00
R10RIUFCAREHRM	2935	0.00	0.03	0.00	1.00
R11RIUFCAREHRM	2782	0.00	0.03	0.00	1.00
R12RIUFCAREHRM	2653	0.00	0.05	0.00	2.00
R13RIUFCAREHRM	2737	0.00	0.03	0.00	1.00
R14RIUFCAREHRM	2181	0.00	0.03	0.00	1.00
R15RIUFCAREHRM	1931	0.00	0.02	0.00	1.00
S2RIUFCAREHRM	1070	0.00	0.00	0.00	0.00
S3RIUFCAREHRM	1050	0.00	0.03	0.00	1.00
S4RIUFCAREHRM	1224	0.00	0.03	0.00	1.00
S5RIUFCAREHRM	1085	0.00	0.00	0.00	0.00
S6RIUFCAREHRM	1028	0.00	0.03	0.00	1.00
S7RIUFCAREHRM	1156	0.00	0.03	0.00	1.00
S8RIUFCAREHRM	1107	0.00	0.00	0.00	0.00
S9RIUFCAREHRM	964	0.00	0.03	0.00	1.00
S10RIUFCAREHRM	1369	0.00	0.03	0.00	1.00
S11RIUFCAREHRM	1277	0.00	0.03	0.00	1.00
S12RIUFCAREHRM	1196	0.00	0.03	0.00	1.00
S13RIUFCAREHRM	1209	0.00	0.03	0.00	1.00
S14RIUFCAREHRM	953	0.00	0.03	0.00	1.00
S15RIUFCAREHRM	810	0.00	0.00	0.00	0.00

### Categorical Variable Codes

Value-----	R2RIUFCARE	R3RIUFCARE	R4RIUFCARE	R5RIUFCARE
.d:DK	27	5	1	3
.h:no help received		494	578	522
.m:Missing	1	48	34	29
.q:not asked this wave	11595			
.r:Refuse			1	1
.x:no difficulties	5962	15188	18192	16667
0.no	2197	2231	2547	2326
1.yes	35	25	31	30

Value-----	R6RIUFCARE	R7RIUFCARE	R8RIUFCARE	R9RIUFCARE	R10RIUFCARE
.d:DK	3	5		2	6
.h:no help received	476	566	531	537	828
.m:Missing	11	14	9	13	139
.r:Refuse	3	1		1	4
.x:no difficulties	15318	17047	15493	14415	18122

0.no	2320	2474	2403	2225	2914
1.yes	34	22	33	24	21
Value-----	R11RIUFCARE	R12RIUFCARE	R13RIUFCARE	R14RIUFCARE	R15RIUFCARE
.d:DK	4	18	13	7	6
.h:no help received	713	740	832	689	543
.m:Missing	19	17	38	33	78
.r:Refuse	4	3	1	3	1
.x:no difficulties	17032	15316	17291	14233	13164
0.no	2754	2630	2712	2166	1916
1.yes	28	23	25	15	15
Value-----	S2RIUFCARE	S3RIUFCARE	S4RIUFCARE	S5RIUFCARE	
.d:DK		7	2		
.h:no help received			248	291	250
.m:Missing		1	16	7	8
.q:not asked this wave		8738			
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:no difficulties		3272	10600	12456	11387
0.no		1063	1043	1215	1078
1.yes		7	7	9	7
Value-----	S6RIUFCARE	S7RIUFCARE	S8RIUFCARE	S9RIUFCARE	S10RIUFCARE
.d:DK	1	3			
.h:no help received	219	257	259	252	355
.m:Missing	3	1	2	4	83
.r:Refuse	1				2
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	10380	11551	10360	9420	11699
0.no	1019	1152	1097	960	1360
1.yes	9	4	10	4	9
Value-----	S11RIUFCARE	S12RIUFCARE	S13RIUFCARE	S14RIUFCARE	S15RIUFCARE
.d:DK	1	4	5	1	1
.h:no help received	318	295	284	248	198
.m:Missing	5	4	8	8	12
.r:Refuse	1			2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10874	9513	10272	8146	7444
0.no	1266	1192	1204	948	808
1.yes	11	4	5	5	2

## How Constructed:

The following variables indicate whether unpaid formal caregivers help the respondent with any IADL needs. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any IADL, and are coded as special missing .h if the respondent reports difficulty with an IADL but does not receive any help. Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRIUFCARE, RwRIUFCAREN, RwRIUFCAREDPM, RwRIUFCAREDPMM, RwRIUFCAREHR, and RwRIUFCAREHRM include help from an organization/agency if they are reported to not be paid for the AHEAD cohort in Wave 2. These variables include help from a professional, employee of institution, and organization if they are



reported to not be paid in Waves 3 through 5. These variables include help from organizations, paid helpers, professionals, or specified professionals if they are reported to not be paid in Wave 6 and onward.

RwRIUFCARE indicates whether any unpaid professionals help the respondent with IADL needs. RwRIUFCAREN indicates the number of unpaid professionals who help the respondent with IADL needs. RwRIUFCARE is coded as 0 if no unpaid professionals help the respondent with IADLS, and is coded as 1 if at least one unpaid professional helps the respondent with IADLS. In Wave 2, RwRIUFCARE and RwRIUFCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRIUFCARE and RwRIUFCAREN are not available in Wave 1.

RwRIUFCAREDPM indicates the number of total days per month unpaid professionals help the respondent with IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRIUFCAREDPM is the sum of days per month for all unpaid professional helpers, and so values can be over 31 days. RwRIUFCAREDPM is calculated as long as there is one non-missing value. RwRIUFCAREDPMM indicates the number of unpaid professionals who helped the respondent for whom no value of days was reported and was not accounted for in RwRIUFCAREDPM. RwRIUFCAREDPMM is assigned special missing .m if the respondent was not helped by any unpaid professionals or prior information was missing. RwRIUFCAREDPM and RwRIUFCAREDPMM are not available in Waves 1 and 2.

RwRIUFCAREHR indicates the number of hours per day unpaid professionals help the respondent with IADL needs. Respondents are asked, on days unpaid professionals help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RwRIUFCAREHR is the sum of hours per day for all unpaid professional helpers, and so values can be over 24 hours. RwRIUFCAREHR is calculated as long as there is one non-missing value. RwRIUFCAREHRM indicates the number of unpaid professionals who helped the respondent for whom no value of hours was reported and was not accounted for in RwRIUFCAREHR. RwRIUFCAREHRM is assigned special missing .m if the respondent was not helped by any unpaid professionals or prior information was missing. In Wave 2, RwRIUFCAREHR and RwRIUFCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRIUFCAREHR and RwRIUFCAREHRM are not available in Wave 1.

SwRIUFCARE, SwRIUFCAREN, SwRIUFCAREDPM, and SwRIUFCAREHR indicate whether the respondent's current wave's spouse receives help from unpaid professionals, the number, and the frequency with which, and their values are taken from RwRIUFCARE, RwRIUFCAREN, RwRIUFCAREDPM, and RwRIUFCAREHR. SwRIUFCAREDPMM and SwRIUFCAREHRM indicate the number of unpaid professionals who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RwRIUFCAREDPMM and RwRIUFCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with IADLS at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

Respondents are asked who helps them with IADLS, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RwRIUFCARE and RwRIUFCAREN are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RwRIUFCARE and RwRIUFCAREN are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that an unpaid professional helps them with IADLS, and were asked how frequently and the number of hours that the unpaid professional provides help. However, the frequency of help is not comparable to other waves and so RwRIUFCAREDPM and RwRIUFCAREDPMM

are not available in this wave. The number of hours that the unpaid professional helps is comparable, and so RWRUIFCAREHR and RWRUIFCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RWRUIFCAREHR and RWRUIFCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with IADLs, and are asked about the number of days or number of hours that an unpaid professional helps the respondent. As such, RWRUIFCAREDPM and RWRUIFCAREDPMM are available beginning in Wave 3.

### HRS Variables Used:

#### RAND HRS:

R10MEALSA	r10mealsa:w10	r any diff-prepare hot meal
R10MEDSA	r10medsa:w10	r any diff-take medications
R10MONEYA	r10moneya:w10	r any diff-managing money
R10PHONEA	r10phonea:w10	r any diff-use telephone
R10SHOPA	r10shopa:w10	r any diff-shop for grocery
R11MEALSA	r11mealsa:w11	r any diff-prepare hot meal
R11MEDSA	r11medsa:w11	r any diff-take medications
R11MONEYA	r11moneya:w11	r any diff-managing money
R11PHONEA	r11phonea:w11	r any diff-use telephone
R11SHOPA	r11shopa:w11	r any diff-shop for grocery
R12MEALSA	r12mealsa:w12	r any diff-prepare hot meal
R12MEDSA	r12medsa:w12	r any diff-take medications
R12MONEYA	r12moneya:w12	r any diff-managing money
R12PHONEA	r12phonea:w12	r any diff-use telephone
R12SHOPA	r12shopa:w12	r any diff-shop for grocery
R13MEALSA	r13mealsa:w13	r any diff-prepare hot meal
R13MEDSA	r13medsa:w13	r any diff-take medications
R13MONEYA	r13moneya:w13	r any diff-managing money
R13PHONEA	r13phonea:w13	r any diff-use telephone
R13SHOPA	r13shopa:w13	r any diff-shop for grocery
R14MEALSA	r14mealsa:w14	r any diff-prepare hot meal
R14MEDSA	r14medsa:w14	r any diff-take medications
R14MONEYA	r14moneya:w14	r any diff-managing money
R14PHONEA	r14phonea:w14	r any diff-use telephone
R14SHOPA	r14shopa:w14	r any diff-shop for grocery
R15MEALSA	r15mealsa:w15	r any diff-prepare hot meal
R15MEDSA	r15medsa:w15	r any diff-take medications
R15MONEYA	r15moneya:w15	r any diff-managing money
R15PHONEA	r15phonea:w15	r any diff-use telephone
R15SHOPA	r15shopa:w15	r any diff-shop for grocery
R3MEALSA	r3mealsa:w3	r any diff-prepare hot meal
R3MEDSA	r3medsa:w3	r any diff-take medications
R3MONEYA	r3moneya:w3	r any diff-managing money
R3PHONEA	r3phonea:w3	r any diff-use telephone
R3SHOPA	r3shopa:w3	r any diff-shop for grocery
R4MEALSA	r4mealsa:w4	r any diff-prepare hot meal
R4MEDSA	r4medsa:w4	r any diff-take medications
R4MONEYA	r4moneya:w4	r any diff-managing money
R4PHONEA	r4phonea:w4	r any diff-use telephone
R4SHOPA	r4shopa:w4	r any diff-shop for grocery
R5MEALSA	r5mealsa:w5	r any diff-prepare hot meal
R5MEDSA	r5medsa:w5	r any diff-take medications
R5MONEYA	r5moneya:w5	r any diff-managing money
R5PHONEA	r5phonea:w5	r any diff-use telephone
R5SHOPA	r5shopa:w5	r any diff-shop for grocery
R6MEALSA	r6mealsa:w6	r any diff-prepare hot meal
R6MEDSA	r6medsa:w6	r any diff-take medications
R6MONEYA	r6moneya:w6	r any diff-managing money
R6PHONEA	r6phonea:w6	r any diff-use telephone
R6SHOPA	r6shopa:w6	r any diff-shop for grocery
R7MEALSA	r7mealsa:w7	r any diff-prepare hot meal

R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
Wave 2 AHEAD:	
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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps
Wave 2 AHEAD Helper:	
BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V993	E61. HELPER HOURS PER DAY
V994	E62. HELPER PAID?
Wave 2 AHEAD HHLIST:	
OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R
Wave 2 HRS:	
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D2024	e95c.iadl meals help
D2029	e96c.iadl groc help
D2034	e97c.iadl phone help
D2039	e98c.iadl med help
D2041	e99.iadls-who help,1
D2050	e100.iadls-who help,2
D2055	e101.iadls-who help,3
D2061	e102.iadls-who help,4
D2067	e103.iadls-who help,5
D2073	e104.iadls-who help,6
D2102	e106c.iadl money who help,1
D2107	e107. money help-1
D2115	e107c.iadl money who help,2
D2121	e108. money helper-2
Wave 3 AHEAD Helper:	
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
OPN	OTHER PERSON NUMBER
Wave 3 HRS:	
E2039	e95c.iadl meals help
E2044	e96c.iadl groc help
E2049	e97c.iadl phone help

E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help  
 F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help  
 F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4  
 F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6  
 F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

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  
 F2658 E158-2. HELPER OFTEN  
 F2659 E158A-2.HELPER PER WEEK  
 F2660 E158B-2.HELPER EVERY DAY  
 F2662 E159-2. HELPER HOURS  
 F2665 E162-2. HELPER PAID  
 OPN OTHER PERSON NUMBER

## Wave 5:

G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help

G2873 e97c.iadl phone help  
 G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2  
 G558 cs11.r in nursing home

## Wave 5 Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HA028 r in nursing home  
 HG043 iadl meal preparation help  
 HG046 iadl groc shop help  
 HG049 iadl making phone calls help  
 HG053 iadl taking medications help  
 HG054\_1 iadls- who helps most-1  
 HG054\_2 iadls- who helps- 2  
 HG054\_3 iadls- who helps- 3  
 HG054\_4 iadls- who helps- 4  
 HG054\_5 iadls- who helps- 5  
 HG054\_6 iadls- who helps- 6  
 HG061 iadl managing money help  
 HG062\_1 who helps manage money-1  
 HG062\_2 who helps manage money-2

## Wave 6 Helper:

HG069 helper relationship  
 HG070 freq of help given- days in last month  
 HG071 freq of help given- days per week  
 HG072 did helper help every dy  
 HG073 #hrs of help  
 HG076 helper paid to help  
 HIADLNDX iadl helper index  
 HMNYNDX money helper index

## Wave 7:

JA028 r in nursing home  
 JG043 iadl meal preparation help  
 JG046 iadl groc shop help  
 JG049 iadl making phone calls help  
 JG053 iadl taking medications help  
 JG054\_1 iadls- who helps most-1  
 JG054\_2 iadls- who helps- 2  
 JG054\_3 iadls- who helps- 3  
 JG054\_4 iadls- who helps- 4  
 JG054\_5 iadls- who helps- 5  
 JG054\_6 iadls- who helps- 6  
 JG061 iadl managing money help

JG062\_1 who helps manage money-1  
JG062\_2 who helps manage money-2  
Wave 7 Helper:  
JG069 helper relationship  
JG070 freq of help given-days last month  
JG071 # days helper helped  
JG072 did helper help every dy  
JG073 #hrs of help  
JG076 helper given money to help  
JIADLNDX index connection to the iadl table  
JMNYNDX index connection to the money table  
Wave 8:  
KA028 r in nursing home  
KG043 iadl meal preparation help  
KG046 iadl groc shop help  
KG049 iadl making phone calls help  
KG053 iadl taking medications help  
KG054\_1 iadls- who helps most-1  
KG054\_2 iadls- who helps- 2  
KG054\_3 iadls- who helps- 3  
KG054\_4 iadls- who helps- 4  
KG054\_5 iadls- who helps- 5  
KG054\_6 iadls- who helps- 6  
KG061 iadl managing money help  
KG062\_1 who helps manage money-1  
KG062\_2 who helps manage money-2  
Wave 8 Helper:  
KG069 helper relationship  
KG070 freq of help given-days last month  
KG071 # days helper helped  
KG072 did helper help every dy  
KG073 #hrs of help  
KG076 helper given money to help  
KIADLNDX index connection to the iadl table  
KMNYNDX index connection to the money table  
Wave 9:  
LA028 r in nursing home  
LG043 iadl meal preparation help  
LG046 iadl groc shop help  
LG049 iadl making phone calls help  
LG053 iadl taking medications help  
LG054\_1 iadls- who helps most-1  
LG054\_2 iadls- who helps- 2  
LG054\_3 iadls- who helps- 3  
LG054\_4 iadls- who helps- 4  
LG054\_5 iadls- who helps- 5  
LG054\_6 iadls- who helps- 6  
LG061 iadl managing money help  
LG062\_1 who helps manage money-1  
LG062\_2 who helps manage money-2  
Wave 9 Helper:  
LG069 helper relationship  
LG070 freq of help given-days last month  
LG071 # days helper helped  
LG072 did helper help every day  
LG073 #hrs of help  
LG076 helper given money to help  
LIADLNDX index connection to the iadl table  
LMNYNDX index connection to the money table  
Wave 10:  
MA028 r in nursing home  
MG043 iadl meal preparation help  
MG046 iadl groc shop help

MG049	iadl making phone calls help
MG053	iadl taking medications help
MG054_1	iadls- who helps -1
MG054_2	iadls- who helps- 2
MG054_3	iadls- who helps- 3
MG054_4	iadls- who helps- 4
MG054_5	iadls- who helps- 5
MG054_6	iadls- who helps- 6
MG061	iadl managing money help
MG062_1	who helps manage money-1
MG062_2	who helps manage money-2
Wave 10 Helper:	
MG069	helper relationship -1
MG070	freq of help given -1
MG071	# days helper helped -1
MG072	did helper help every dy -1
MG073	#hrs of help -1
MG076	helper given money to help -1
MIADLNDX	index connection to the iadl table
MMNYNDX	index connection to the money table
Wave 11:	
NA028	r in nursing home
NG043	iadl meal preparation help
NG046	iadl groc shop help
NG049	iadl making phone calls help
NG053	iadl taking medications help
NG054_1	iadls- who helps -1
NG054_2	iadls- who helps- 2
NG054_3	iadls- who helps- 3
NG054_4	iadls- who helps- 4
NG054_5	iadls- who helps- 5
NG054_6	iadls- who helps- 6
NG061	iadl managing money help
NG062_1	who helps manage money-1
NG062_2	who helps manage money-2
Wave 11 Helper:	
NG069	helper relationship
NG070	freq of help given
NG071	# days helper helped
NG072	did helper help every dy
NG073	#hrs of help
NG076	helper given money to help
NIADLNDX	index connection to the iadl table
NMNYNDX	index connection to the money table
Wave 12:	
OA028	r in nursing home
OG043	iadl meal preparation help
OG046	iadl groc shop help
OG049	iadl making phone calls help
OG053	iadl taking medications help
OG054_1	iadls- who helps -1
OG054_2	iadls- who helps- 2
OG054_3	iadls- who helps- 3
OG054_4	iadls- who helps- 4
OG054_5	iadls- who helps- 5
OG054_6	iadls- who helps- 6
OG061	iadl managing money help
OG062_1	who helps manage money-1
OG062_2	who helps manage money-2
Wave 12 Helper:	
OG069	helper relationship
OG070	freq of help given
OG071	# days helper helped

OG072 did helper help every dy  
 OG073 #hrs of help  
 OG076 helper given money to help  
 OIADLNDX index connection to the iadl table  
 OMNYNDX index connection to the money table  
 Wave 13:  
 PA028 r in nursing home  
 PG043 iadl meal preparation help  
 PG046 iadl groc shop help  
 PG049 iadl making phone calls help  
 PG053 iadl taking medications help  
 PG054\_1 iadls- who helps -1  
 PG054\_2 iadls- who helps- 2  
 PG054\_3 iadls- who helps- 3  
 PG054\_4 iadls- who helps- 4  
 PG054\_5 iadls- who helps- 5  
 PG054\_6 iadls- who helps- 6  
 PG061 iadl managing money help  
 PG062\_1 who helps manage money-1  
 PG062\_2 who helps manage money-2  
 Wave 13 Helper:  
 PG069 helper relationship  
 PG070 freq of help given  
 PG071 # days helper helped  
 PG072 did helper help every dy  
 PG073 #hrs of help  
 PG076 helper given money to help  
 PIADLNDX index connection to the iadl table  
 PMNYNDX index connection to the money table  
 Wave 14:  
 QA028 r in nursing home  
 QG043 iadl meal preparation help  
 QG046 iadl groc shop help  
 QG049 iadl making phone calls help  
 QG053 iadl taking medications help  
 QG054\_1 iadls- who helps -1  
 QG054\_2 iadls- who helps- 2  
 QG054\_3 iadls- who helps- 3  
 QG054\_4 iadls- who helps- 4  
 QG054\_5 iadls- who helps- 5  
 QG054\_6 iadls- who helps- 6  
 QG061 iadl managing money help  
 QG062\_1 who helps manage money-1  
 QG062\_2 who helps manage money-2  
 Wave 14 Helper:  
 QG069 HELPER RELATIONSHIP  
 QG070 FREQ OF HELP GIVEN  
 QG071 # DAYS HELPER HELPED  
 QG072 DID HELPER HELP EVERY DY  
 QG073 #HRS OF HELP  
 QG076 HELPER GIVEN MONEY TO HELP  
 QIADLNDX INDEX CONNECTION TO THE IADL TABLE  
 QMNYNDX INDEX CONNECTION TO THE MONEY TABLE  
 Wave 15:  
 RA028 r in nursing home  
 RG043 iadl meal preparation help  
 RG046 iadl groc shop help  
 RG049 iadl making phone calls help  
 RG053 iadl taking medications help  
 RG054\_1 iadls- who helps -1  
 RG054\_2 iadls- who helps- 2  
 RG054\_3 iadls- who helps- 3  
 RG054\_4 iadls- who helps- 4



RG054_5	iadls- who helps- 5
RG054_6	iadls- who helps- 6
RG061	iadl managing money help
RG062_1	who helps manage money-1
RG062_2	who helps manage money-2
Wave 15 Helper:	
RG069	HELPER RELATIONSHIP
RG070	FREQ OF HELP GIVEN
RG071	# DAYS HELPER HELPED
RG072	DID HELPER HELP EVERY DY
RG073	#HRS OF HELP
RG076	HELPER GIVEN MONEY TO HELP
RIADLNDX	INDEX CONNECTION TO THE IADL TABLE
RMNYNDX	INDEX CONNECTION TO THE MONEY TABLE

<b>Instrumental Activities of Daily Living: Paid Help</b>
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Wave	Variable	Label	Type
02	R2IHLPPDN	r2ihlppdn:w2 r # paid helpers for iadls	Cont
03	R3IHLPPDN	r3ihlppdn:w3 r # paid helpers for iadls	Cont
04	R4IHLPPDN	r4ihlppdn:w4 r # paid helpers for iadls	Cont
05	R5IHLPPDN	r5ihlppdn:w5 r # paid helpers for iadls	Cont
06	R6IHLPPDN	r6ihlppdn:w6 r # paid helpers for iadls	Cont
07	R7IHLPPDN	r7ihlppdn:w7 r # paid helpers for iadls	Cont
08	R8IHLPPDN	r8ihlppdn:w8 r # paid helpers for iadls	Cont
09	R9IHLPPDN	r9ihlppdn:w9 r # paid helpers for iadls	Cont
10	R10IHLPPDN	r10ihlppdn:w10 r # paid helpers for iadls	Cont
11	R11IHLPPDN	r11ihlppdn:w11 r # paid helpers for iadls	Cont
12	R12IHLPPDN	r12ihlppdn:w12 r # paid helpers for iadls	Cont
13	R13IHLPPDN	r13ihlppdn:w13 r # paid helpers for iadls	Cont
14	R14IHLPPDN	r14ihlppdn:w14 r # paid helpers for iadls	Cont
15	R15IHLPPDN	r15ihlppdn:w15 r # paid helpers for iadls	Cont
02	S2IHLPPDN	s2ihlppdn:w2 s # paid helpers for iadls	Cont
03	S3IHLPPDN	s3ihlppdn:w3 s # paid helpers for iadls	Cont
04	S4IHLPPDN	s4ihlppdn:w4 s # paid helpers for iadls	Cont
05	S5IHLPPDN	s5ihlppdn:w5 s # paid helpers for iadls	Cont
06	S6IHLPPDN	s6ihlppdn:w6 s # paid helpers for iadls	Cont
07	S7IHLPPDN	s7ihlppdn:w7 s # paid helpers for iadls	Cont
08	S8IHLPPDN	s8ihlppdn:w8 s # paid helpers for iadls	Cont
09	S9IHLPPDN	s9ihlppdn:w9 s # paid helpers for iadls	Cont
10	S10IHLPPDN	s10ihlppdn:w10 s # paid helpers for iadls	Cont
11	S11IHLPPDN	s11ihlppdn:w11 s # paid helpers for iadls	Cont
12	S12IHLPPDN	s12ihlppdn:w12 s # paid helpers for iadls	Cont
13	S13IHLPPDN	s13ihlppdn:w13 s # paid helpers for iadls	Cont
14	S14IHLPPDN	s14ihlppdn:w14 s # paid helpers for iadls	Cont
15	S15IHLPPDN	s15ihlppdn:w15 s # paid helpers for iadls	Cont
02	R2IHLPPDIN	r2ihlppdin:w2 r # paid helpers for iadls insurance helps pay	Cont
03	R3IHLPPDIN	r3ihlppdin:w3 r # paid helpers for iadls insurance helps pay	Cont
04	R4IHLPPDIN	r4ihlppdin:w4 r # paid helpers for iadls insurance helps pay	Cont
05	R5IHLPPDIN	r5ihlppdin:w5 r # paid helpers for iadls insurance helps pay	Cont
06	R6IHLPPDIN	r6ihlppdin:w6 r # paid helpers for iadls insurance helps pay	Cont
07	R7IHLPPDIN	r7ihlppdin:w7 r # paid helpers for iadls insurance helps pay	Cont
08	R8IHLPPDIN	r8ihlppdin:w8 r # paid helpers for iadls insurance helps pay	Cont
09	R9IHLPPDIN	r9ihlppdin:w9 r # paid helpers for iadls insurance helps pay	Cont
10	R10IHLPPDIN	r10ihlppdin:w10 r # paid helpers for iadls insurance helps p	Cont
11	R11IHLPPDIN	r11ihlppdin:w11 r # paid helpers for iadls insurance helps p	Cont
12	R12IHLPPDIN	r12ihlppdin:w12 r # paid helpers for iadls insurance helps p	Cont
13	R13IHLPPDIN	r13ihlppdin:w13 r # paid helpers for iadls insurance helps p	Cont
14	R14IHLPPDIN	r14ihlppdin:w14 r # paid helpers for iadls insurance helps p	Cont
15	R15IHLPPDIN	r15ihlppdin:w15 r # paid helpers for iadls insurance helps p	Cont
02	S2IHLPPDIN	s2ihlppdin:w2 s # paid helpers for iadls insurance helps pay	Cont
03	S3IHLPPDIN	s3ihlppdin:w3 s # paid helpers for iadls insurance helps pay	Cont
04	S4IHLPPDIN	s4ihlppdin:w4 s # paid helpers for iadls insurance helps pay	Cont
05	S5IHLPPDIN	s5ihlppdin:w5 s # paid helpers for iadls insurance helps pay	Cont
06	S6IHLPPDIN	s6ihlppdin:w6 s # paid helpers for iadls insurance helps pay	Cont
07	S7IHLPPDIN	s7ihlppdin:w7 s # paid helpers for iadls insurance helps pay	Cont
08	S8IHLPPDIN	s8ihlppdin:w8 s # paid helpers for iadls insurance helps pay	Cont
09	S9IHLPPDIN	s9ihlppdin:w9 s # paid helpers for iadls insurance helps pay	Cont
10	S10IHLPPDIN	s10ihlppdin:w10 s # paid helpers for iadls insurance helps p	Cont
11	S11IHLPPDIN	s11ihlppdin:w11 s # paid helpers for iadls insurance helps p	Cont
12	S12IHLPPDIN	s12ihlppdin:w12 s # paid helpers for iadls insurance helps p	Cont
13	S13IHLPPDIN	s13ihlppdin:w13 s # paid helpers for iadls insurance helps p	Cont

14	S14IHLPPDIN	s14ihlppdin:w14	s # paid helpers for iadls insurance helps p	Cont
15	S15IHLPPDIN	s15ihlppdin:w15	s # paid helpers for iadls insurance helps p	Cont
02	R2IHLPPDAMT	r2ihlppdamt:w2	r total monthly oop cost for paid care for ia	Cont
03	R3IHLPPDAMT	r3ihlppdamt:w3	r total monthly oop cost for paid care for ia	Cont
04	R4IHLPPDAMT	r4ihlppdamt:w4	r total monthly oop cost for paid care for ia	Cont
05	R5IHLPPDAMT	r5ihlppdamt:w5	r total monthly oop cost for paid care for ia	Cont
06	R6IHLPPDAMT	r6ihlppdamt:w6	r total monthly oop cost for paid care for ia	Cont
07	R7IHLPPDAMT	r7ihlppdamt:w7	r total monthly oop cost for paid care for ia	Cont
08	R8IHLPPDAMT	r8ihlppdamt:w8	r total monthly oop cost for paid care for ia	Cont
09	R9IHLPPDAMT	r9ihlppdamt:w9	r total monthly oop cost for paid care for ia	Cont
10	R10IHLPPDAMT	r10ihlppdamt:w10	r total monthly oop cost for paid care for	Cont
11	R11IHLPPDAMT	r11ihlppdamt:w11	r total monthly oop cost for paid care for	Cont
12	R12IHLPPDAMT	r12ihlppdamt:w12	r total monthly oop cost for paid care for	Cont
13	R13IHLPPDAMT	r13ihlppdamt:w13	r total monthly oop cost for paid care for	Cont
14	R14IHLPPDAMT	r14ihlppdamt:w14	r total monthly oop cost for paid care for	Cont
15	R15IHLPPDAMT	r15ihlppdamt:w15	r total monthly oop cost for paid care for	Cont
02	S2IHLPPDAMT	s2ihlppdamt:w2	s total monthly oop cost for paid care for ia	Cont
03	S3IHLPPDAMT	s3ihlppdamt:w3	s total monthly oop cost for paid care for ia	Cont
04	S4IHLPPDAMT	s4ihlppdamt:w4	s total monthly oop cost for paid care for ia	Cont
05	S5IHLPPDAMT	s5ihlppdamt:w5	s total monthly oop cost for paid care for ia	Cont
06	S6IHLPPDAMT	s6ihlppdamt:w6	s total monthly oop cost for paid care for ia	Cont
07	S7IHLPPDAMT	s7ihlppdamt:w7	s total monthly oop cost for paid care for ia	Cont
08	S8IHLPPDAMT	s8ihlppdamt:w8	s total monthly oop cost for paid care for ia	Cont
09	S9IHLPPDAMT	s9ihlppdamt:w9	s total monthly oop cost for paid care for ia	Cont
10	S10IHLPPDAMT	s10ihlppdamt:w10	s total monthly oop cost for paid care for	Cont
11	S11IHLPPDAMT	s11ihlppdamt:w11	s total monthly oop cost for paid care for	Cont
12	S12IHLPPDAMT	s12ihlppdamt:w12	s total monthly oop cost for paid care for	Cont
13	S13IHLPPDAMT	s13ihlppdamt:w13	s total monthly oop cost for paid care for	Cont
14	S14IHLPPDAMT	s14ihlppdamt:w14	s total monthly oop cost for paid care for	Cont
15	S15IHLPPDAMT	s15ihlppdamt:w15	s total monthly oop cost for paid care for	Cont
02	R2IHLPPDAMTM	r2ihlppdamtm:w2	r # paid helpers missing cost of help for ia	Cont
03	R3IHLPPDAMTM	r3ihlppdamtm:w3	r # paid helpers missing cost of help for ia	Cont
04	R4IHLPPDAMTM	r4ihlppdamtm:w4	r # paid helpers missing cost of help for ia	Cont
05	R5IHLPPDAMTM	r5ihlppdamtm:w5	r # paid helpers missing cost of help for ia	Cont
06	R6IHLPPDAMTM	r6ihlppdamtm:w6	r # paid helpers missing cost of help for ia	Cont
07	R7IHLPPDAMTM	r7ihlppdamtm:w7	r # paid helpers missing cost of help for ia	Cont
08	R8IHLPPDAMTM	r8ihlppdamtm:w8	r # paid helpers missing cost of help for ia	Cont
09	R9IHLPPDAMTM	r9ihlppdamtm:w9	r # paid helpers missing cost of help for ia	Cont
10	R10IHLPPDAMTM	r10ihlppdamtm:w10	r # paid helpers missing cost of help for	Cont
11	R11IHLPPDAMTM	r11ihlppdamtm:w11	r # paid helpers missing cost of help for	Cont
12	R12IHLPPDAMTM	r12ihlppdamtm:w12	r # paid helpers missing cost of help for	Cont
13	R13IHLPPDAMTM	r13ihlppdamtm:w13	r # paid helpers missing cost of help for	Cont
14	R14IHLPPDAMTM	r14ihlppdamtm:w14	r # paid helpers missing cost of help for	Cont
15	R15IHLPPDAMTM	r15ihlppdamtm:w15	r # paid helpers missing cost of help for	Cont
02	S2IHLPPDAMTM	s2ihlppdamtm:w2	s # paid helpers missing cost of help for ia	Cont
03	S3IHLPPDAMTM	s3ihlppdamtm:w3	s # paid helpers missing cost of help for ia	Cont
04	S4IHLPPDAMTM	s4ihlppdamtm:w4	s # paid helpers missing cost of help for ia	Cont
05	S5IHLPPDAMTM	s5ihlppdamtm:w5	s # paid helpers missing cost of help for ia	Cont
06	S6IHLPPDAMTM	s6ihlppdamtm:w6	s # paid helpers missing cost of help for ia	Cont
07	S7IHLPPDAMTM	s7ihlppdamtm:w7	s # paid helpers missing cost of help for ia	Cont
08	S8IHLPPDAMTM	s8ihlppdamtm:w8	s # paid helpers missing cost of help for ia	Cont
09	S9IHLPPDAMTM	s9ihlppdamtm:w9	s # paid helpers missing cost of help for ia	Cont
10	S10IHLPPDAMTM	s10ihlppdamtm:w10	s # paid helpers missing cost of help for	Cont
11	S11IHLPPDAMTM	s11ihlppdamtm:w11	s # paid helpers missing cost of help for	Cont
12	S12IHLPPDAMTM	s12ihlppdamtm:w12	s # paid helpers missing cost of help for	Cont
13	S13IHLPPDAMTM	s13ihlppdamtm:w13	s # paid helpers missing cost of help for	Cont
14	S14IHLPPDAMTM	s14ihlppdamtm:w14	s # paid helpers missing cost of help for	Cont
15	S15IHLPPDAMTM	s15ihlppdamtm:w15	s # paid helpers missing cost of help for	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R2IHLPPDN	1254	0.26	0.48	0.00	3.00
R3IHLPPDN	1365	0.19	0.43	0.00	4.00
R4IHLPPDN	1724	0.24	0.49	0.00	3.00
R5IHLPPDN	1561	0.22	0.46	0.00	3.00
R6IHLPPDN	1649	0.31	0.53	0.00	3.00
R7IHLPPDN	1722	0.32	0.54	0.00	3.00
R8IHLPPDN	1684	0.33	0.55	0.00	4.00
R9IHLPPDN	1571	0.34	0.58	0.00	6.00
R10IHLPPDN	2044	0.35	0.58	0.00	4.00
R11IHLPPDN	1931	0.34	0.57	0.00	5.00
R12IHLPPDN	1903	0.34	0.59	0.00	5.00
R13IHLPPDN	1979	0.34	0.59	0.00	4.00
R14IHLPPDN	1520	0.36	0.60	0.00	5.00
R15IHLPPDN	1381	0.34	0.58	0.00	5.00
S2IHLPPDN	260	0.23	0.44	0.00	2.00
S3IHLPPDN	336	0.16	0.38	0.00	2.00
S4IHLPPDN	467	0.24	0.48	0.00	3.00
S5IHLPPDN	372	0.23	0.47	0.00	2.00
S6IHLPPDN	366	0.34	0.54	0.00	2.00
S7IHLPPDN	432	0.32	0.53	0.00	3.00
S8IHLPPDN	396	0.32	0.53	0.00	2.00
S9IHLPPDN	328	0.30	0.52	0.00	3.00
S10IHLPPDN	542	0.30	0.54	0.00	3.00
S11IHLPPDN	481	0.32	0.58	0.00	4.00
S12IHLPPDN	507	0.30	0.56	0.00	4.00
S13IHLPPDN	521	0.32	0.59	0.00	4.00
S14IHLPPDN	383	0.34	0.58	0.00	4.00
S15IHLPPDN	334	0.33	0.63	0.00	5.00
R2IHLPPDIN	1254	0.08	0.27	0.00	1.00
R3IHLPPDIN	1365	0.06	0.25	0.00	2.00
R4IHLPPDIN	1724	0.09	0.31	0.00	3.00
R5IHLPPDIN	1561	0.08	0.29	0.00	2.00
R6IHLPPDIN	1618	0.09	0.30	0.00	2.00
R7IHLPPDIN	1668	0.08	0.29	0.00	2.00
R8IHLPPDIN	1646	0.09	0.32	0.00	3.00
R9IHLPPDIN	1536	0.10	0.36	0.00	6.00
R10IHLPPDIN	2019	0.10	0.32	0.00	3.00
R11IHLPPDIN	1900	0.12	0.35	0.00	4.00
R12IHLPPDIN	1886	0.11	0.34	0.00	4.00
R13IHLPPDIN	1966	0.13	0.38	0.00	3.00
R14IHLPPDIN	1506	0.14	0.40	0.00	4.00
R15IHLPPDIN	1368	0.14	0.39	0.00	5.00
S2IHLPPDIN	260	0.10	0.30	0.00	1.00
S3IHLPPDIN	336	0.05	0.24	0.00	2.00
S4IHLPPDIN	467	0.08	0.30	0.00	3.00
S5IHLPPDIN	372	0.09	0.28	0.00	1.00
S6IHLPPDIN	362	0.11	0.34	0.00	2.00
S7IHLPPDIN	425	0.09	0.31	0.00	2.00
S8IHLPPDIN	393	0.08	0.29	0.00	2.00
S9IHLPPDIN	325	0.10	0.35	0.00	3.00
S10IHLPPDIN	536	0.07	0.27	0.00	2.00
S11IHLPPDIN	478	0.12	0.38	0.00	4.00
S12IHLPPDIN	506	0.08	0.29	0.00	2.00
S13IHLPPDIN	520	0.12	0.35	0.00	2.00
S14IHLPPDIN	381	0.15	0.44	0.00	4.00
S15IHLPPDIN	330	0.15	0.47	0.00	5.00

R2IHLPPDAMT	1242	73.75	396.84	0.00	7200.00
R3IHLPPDAMT	1249	65.17	346.65	0.00	4330.00
R4IHLPPDAMT	1542	84.95	479.63	0.00	11000.00
R5IHLPPDAMT	1404	93.03	444.36	0.00	7200.00
R6IHLPPDAMT	1352	133.66	678.00	0.00	10000.00
R7IHLPPDAMT	1378	114.42	580.34	0.00	10912.00
R8IHLPPDAMT	1350	131.00	565.26	0.00	6000.00
R9IHLPPDAMT	1268	151.53	819.66	0.00	13000.00
R10IHLPPDAMT	1656	161.58	776.00	0.00	10800.00
R11IHLPPDAMT	1543	151.15	767.73	0.00	9000.00
R12IHLPPDAMT	1536	147.74	787.15	0.00	10800.00
R13IHLPPDAMT	1602	154.24	837.86	0.00	12500.00
R14IHLPPDAMT	1229	151.83	742.81	0.00	10500.00
R15IHLPPDAMT	1095	122.93	764.41	0.00	15411.00
S2IHLPPDAMT	258	60.74	472.52	0.00	7200.00
S3IHLPPDAMT	312	67.61	410.55	0.00	4330.00
S4IHLPPDAMT	415	68.20	291.71	0.00	2165.00
S5IHLPPDAMT	328	90.11	440.18	0.00	5100.00
S6IHLPPDAMT	296	136.89	576.04	0.00	6100.00
S7IHLPPDAMT	351	124.77	500.66	0.00	4000.00
S8IHLPPDAMT	332	178.60	652.56	0.00	5000.00
S9IHLPPDAMT	275	199.53	1066.99	0.00	12960.00
S10IHLPPDAMT	461	136.67	615.51	0.00	6900.00
S11IHLPPDAMT	403	115.29	654.64	0.00	8000.00
S12IHLPPDAMT	421	90.73	595.42	0.00	8300.00
S13IHLPPDAMT	425	151.81	977.73	0.00	12500.00
S14IHLPPDAMT	308	162.77	819.41	0.00	7800.00
S15IHLPPDAMT	266	66.76	336.44	0.00	3000.00
R2IHLPPDAMTM	1254	0.03	0.19	0.00	2.00
R3IHLPPDAMTM	1365	0.00	0.00	0.00	0.00
R4IHLPPDAMTM	1724	0.04	0.23	0.00	3.00
R5IHLPPDAMTM	1561	0.04	0.21	0.00	2.00
R6IHLPPDAMTM	2315	0.47	0.53	0.00	3.00
R7IHLPPDAMTM	2450	0.50	0.54	0.00	3.00
R8IHLPPDAMTM	2402	0.50	0.54	0.00	4.00
R9IHLPPDAMTM	2216	0.47	0.53	0.00	3.00
R10IHLPPDAMTM	2898	0.50	0.53	0.00	4.00
R11IHLPPDAMTM	2738	0.49	0.52	0.00	3.00
R12IHLPPDAMTM	2608	0.48	0.54	0.00	5.00
R13IHLPPDAMTM	2699	0.47	0.52	0.00	3.00
R14IHLPPDAMTM	2117	0.47	0.52	0.00	2.00
R15IHLPPDAMTM	1896	0.44	0.51	0.00	2.00
S2IHLPPDAMTM	260	0.02	0.15	0.00	1.00
S3IHLPPDAMTM	336	0.00	0.00	0.00	0.00
S4IHLPPDAMTM	467	0.05	0.26	0.00	3.00
S5IHLPPDAMTM	372	0.03	0.18	0.00	1.00
S6IHLPPDAMTM	1025	0.88	0.39	0.00	3.00
S7IHLPPDAMTM	1149	0.88	0.40	0.00	2.00
S8IHLPPDAMTM	1105	0.90	0.38	0.00	3.00
S9IHLPPDAMTM	959	0.88	0.37	0.00	2.00
S10IHLPPDAMTM	1370	0.89	0.38	0.00	3.00
S11IHLPPDAMTM	1269	0.88	0.37	0.00	3.00
S12IHLPPDAMTM	1193	0.88	0.39	0.00	2.00
S13IHLPPDAMTM	1202	0.87	0.38	0.00	3.00
S14IHLPPDAMTM	934	0.88	0.37	0.00	2.00
S15IHLPPDAMTM	807	0.86	0.38	0.00	2.00

**How Constructed:**

The following variables indicate whether a paid helper helps the respondent with any IADL needs. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any IADL, and are coded as special missing .h if the respondent reports difficulty with an IADL but does not receive any help. They are coded as special missing .s if the respondent's spouse is the only person who helps with IADL difficulties. Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwIHLPPDN indicates the number of helpers who are paid to help the respondent with IADL needs. This question is asked for every helper the respondent reported helped them (children and grandchildren, relatives, non-relatives, and professionals), but is not asked for help from spouses or from employees of an institution starting in Wave 6. Employees of institutions are included in the count of helpers who are paid to help the respondent. In the AHEAD cohort in Wave 2, if the respondent is helped less than once per week, then the question is not asked and RwIHLPPDN is assigned special missing .w in Wave 2. In Wave 2, RwIHLPPDN is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwIHLPPDN is not available in Wave 1.

SwIHLPPDN indicates the number of helpers who are paid to help the respondent's current wave's spouse and is taken directly from RwIHLPPDN. In addition to the special missing codes employed by RwIHLPPDN, SwIHLPPDN employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwIHLPPDIN indicates the number of paid helpers for IADLs for whom Medicaid, the state's version of Medicaid, or insurance helps pay for. RwIHLPPDIN is assigned a value of 0 if the respondent has no paid helpers for IADLs. This question is asked for every helper the respondent reported was paid to help them (children and grandchildren, relatives, non-relatives, and professionals), but is not asked for help from spouses or from employees of an institution starting in Wave 6. As such, if the respondent's only helper is their spouse, then special missing .s is assigned, and if the respondent's only helper is an employee of an institution, then special missing .e is assigned. In the AHEAD cohort in Wave 2, if the respondent is helped less than once per week, then the question is not asked and RwIHLPPDIN is assigned special missing .w in Wave 2. In Wave 2, RwIHLPPDIN is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwIHLPPDIN is not available in Wave 1.

SwIHLPPDIN indicates the number of paid helpers of the respondent's current wave's spouse for whom Medicaid, the state's version of Medicaid, or insurance helps pay for and is taken directly from RwIHLPPDIN. In addition to the special missing codes employed by RwIHLPPDIN, SwIHLPPDIN employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwIHLPPDAMT indicates the total monthly out-of-pocket cost for the respondent's paid caregiving for IADLs. RwIHLPPDAMT is the sum of the out-of-pocket monthly costs paid for all paid helpers. RwIHLPPDAMT is assigned a value of 0 if the respondent has no paid helpers for IADLs. The amount the respondent and their spouse paid for each caregiver (not accounting expenses paid by Medicaid, the state's version of Medicaid, or insurance) is asked for every paid helper the respondent reported helped them (children and grandchildren, relatives, non-relatives, and professionals), but is not asked for help from spouses or from employees of an institution starting in Wave 6. As such, if the respondent's only helper is their spouse, then special missing .s is assigned, and if the respondent's only helper is an employee of an institution, then special missing .e is assigned. In the AHEAD cohort in Wave 2, if the respondent is

helped less than once per week, then the question is not asked and RwiHLPPDAMT is assigned special missing .w in Wave 2. RwiHLPPDAMTM indicates the number of paid helpers who helped the respondent for whom no amount of out-of-pocket cost was reported and was not accounted for in RwiHLPPDAMT, including if the helper was the respondent's spouse or an employee of an institution. In Wave 2, RwiHLPPDAMT is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwiHLPPDAMT is not available in Wave 1.

SwiHLPPDAMT indicates the total monthly out-of-pocket cost for the respondent's current wave's spouse's paid caregiving, and its values are taken from RwiHLPPDAMT. SwiHLPPDAMTM indicates the number of paid helpers who helped the respondent's current spouse for whom no amount of out-of-pocket cost was reported and is taken from RwiHLPPDAMTM. In addition to the special missing codes employed by RwiHLPPDAMT and RwiHLPPDAMTM, SwiHLPPDAMT and SwiHLPPDAMTM employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with IADLS at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

Only in the AHEAD cohort in Wave 2, the respondent is not asked these questions if their helper helps less than once per week. In this wave, RwiHLPPDN, RwiHLPPDIN, and RwiHLPPDAMT are assigned special missing .w in Wave 2 if the respondent is not asked these questions because their helper helps less than once per week.

Respondents are asked who helps them with IADLS starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RwiHLPPDN, RwiHLPPDIN, RwiHLPPDAMT, and RwiHLPPDAMTM are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RwiHLPPDN, RwiHLPPDIN, RwiHLPPDAMT, and RwiHLPPDAMTM are assigned special missing .q in Wave 2 because they were not asked this question.

In all available waves, the respondent is not asked these questions if their spouse is their only helper, and these variables are assigned special missing .s. The respondent is also not asked these questions if their only helper is an employee of an institution starting in Wave 6, in which case, these helpers are added to the count of paid helpers in RwiHLPPDN, are assigned special missing .e in RwiHLPPDIN and RwiHLPPDAMT, and add to the count of missing values in RwiHLPPDAMTM.

## HRS Variables Used:

```
RAND HRS:
R10MEALSA      r10mealsa:w10 r any diff-prepare hot meal
R10MEDSA      r10medsa:w10 r any diff-take medications
R10MONEYA     r10moneya:w10 r any diff-managing money
R10PHONEA     r10phonea:w10 r any diff-use telephone
R10SHOPA      r10shopa:w10 r any diff-shop for grocery
R11MEALSA     r11mealsa:w11 r any diff-prepare hot meal
R11MEDSA      r11medsa:w11 r any diff-take medications
R11MONEYA     r11moneya:w11 r any diff-managing money
R11PHONEA     r11phonea:w11 r any diff-use telephone
R11SHOPA      r11shopa:w11 r any diff-shop for grocery
R12MEALSA     r12mealsa:w12 r any diff-prepare hot meal
R12MEDSA      r12medsa:w12 r any diff-take medications
R12MONEYA     r12moneya:w12 r any diff-managing money
R12PHONEA     r12phonea:w12 r any diff-use telephone
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R12SHOPA	r12shopa:w12 r any diff-shop for grocery
R13MEALSA	r13mealsa:w13 r any diff-prepare hot meal
R13MEDSA	r13medsa:w13 r any diff-take medications
R13MONEYA	r13moneya:w13 r any diff-managing money
R13PHONEA	r13phonea:w13 r any diff-use telephone
R13SHOPA	r13shopa:w13 r any diff-shop for grocery
R14MEALSA	r14mealsa:w14 r any diff-prepare hot meal
R14MEDSA	r14medsa:w14 r any diff-take medications
R14MONEYA	r14moneya:w14 r any diff-managing money
R14PHONEA	r14phonea:w14 r any diff-use telephone
R14SHOPA	r14shopa:w14 r any diff-shop for grocery
R15MEALSA	r15mealsa:w15 r any diff-prepare hot meal
R15MEDSA	r15medsa:w15 r any diff-take medications
R15MONEYA	r15moneya:w15 r any diff-managing money
R15PHONEA	r15phonea:w15 r any diff-use telephone
R15SHOPA	r15shopa:w15 r any diff-shop for grocery
R3MEALSA	r3mealsa:w3 r any diff-prepare hot meal
R3MEDSA	r3medsa:w3 r any diff-take medications
R3MONEYA	r3moneya:w3 r any diff-managing money
R3PHONEA	r3phonea:w3 r any diff-use telephone
R3SHOPA	r3shopa:w3 r any diff-shop for grocery
R4MEALSA	r4mealsa:w4 r any diff-prepare hot meal
R4MEDSA	r4medsa:w4 r any diff-take medications
R4MONEYA	r4moneya:w4 r any diff-managing money
R4PHONEA	r4phonea:w4 r any diff-use telephone
R4SHOPA	r4shopa:w4 r any diff-shop for grocery
R5MEALSA	r5mealsa:w5 r any diff-prepare hot meal
R5MEDSA	r5medsa:w5 r any diff-take medications
R5MONEYA	r5moneya:w5 r any diff-managing money
R5PHONEA	r5phonea:w5 r any diff-use telephone
R5SHOPA	r5shopa:w5 r any diff-shop for grocery
R6MEALSA	r6mealsa:w6 r any diff-prepare hot meal
R6MEDSA	r6medsa:w6 r any diff-take medications
R6MONEYA	r6moneya:w6 r any diff-managing money
R6PHONEA	r6phonea:w6 r any diff-use telephone
R6SHOPA	r6shopa:w6 r any diff-shop for grocery
R7MEALSA	r7mealsa:w7 r any diff-prepare hot meal
R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery

## Wave 2 AHEAD:

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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER



OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V992	E60. HELPER HOW OFTEN
V993	E61. HELPER HOURS PER DAY
V994	E62. HELPER PAID?
V995	E63. MEDICAID/INSUR PAY HELPER?
V996R	HELPER: MONTHLY \$ PAID
Wave 2 AHEAD HHLIST:	
OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R
Wave 2 HRS:	
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D2024	e95c.iadl meals help
D2029	e96c.iadl groc help
D2034	e97c.iadl phone help
D2039	e98c.iadl med help
D2041	e99.iadls-who help,1
D2050	e100.iadls-who help,2
D2055	e101.iadls-who help,3
D2061	e102.iadls-who help,4
D2067	e103.iadls-who help,5
D2073	e104.iadls-who help,6
D2102	e106c.iadl money who help,1
D2107	e107. money help-1
D2115	e107c.iadl money who help,2
D2121	e108. money helper-2
Wave 3 AHEAD Helper:	
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
D2147	E163.HELPER INS PAY
D2148	E164.HELPER \$ R PAY
D2149	E165.HELPER, PER
OPN	OTHER PERSON NUMBER
Wave 3 HRS:	
E2039	e95c.iadl meals help
E2044	e96c.iadl groc help
E2049	e97c.iadl phone help
E2054	e98c.iadl med help
E2056	e99.iadls-who help,1
E2065	e100.iadls-who help,2
E2070	e101.iadls-who help,3
E2076	e102.iadls-who help,4
E2082	e103.iadls-who help,5
E2088	e104.iadls-who help,6
E2096	e106c.iadl money who help,1
E2101	e107. money help-1
E2105	e107c.iadl money who help,2
E2109	e108. money helper-2
Wave 3 HRS Helper:	
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
E2131	E163-1. HELPER INS PAY
E2132	E164-1. HELPER \$ R PAY

E2133	E165-1. HELPER, PER
E2142	E158-2. HELPER-SP OFTEN
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
E2150	E163-2.HELPER-SP INS PAY
E2151	E164-2.HELPER-SP \$ R PAY
E2152	E165-2.HELPER-SP, PER
OPN	OTHER PERSON NUMBER

## Wave 4:

F2502	e83.who help-11
F2516	e84.who help-2
F2525	e85.who help-3
F2529	e86.who help-4
F2533	e87.who help-5
F2537	e88.who help-6
F2541	e89.who help-7
F2565	e95c.iadl meals help
F2570	e96c.iadl groc help
F2575	e97c.iadl phone help
F2580	e98c.iadl med help
F2582	e99.iadls-who help,1
F2591	e100.iadls-who help,2
F2596	e101.iadls-who help,3
F2602	e102.iadls-who help,4
F2608	e103.iadls-who help,5
F2614	e104.iadls-who help,6
F2620	e106c.iadl money who help,1
F2621	e107. money help-1
F2624	e107c.iadl money who help,2
F2625	e108. money helper-2
F517	cs11.r in nursing home

## Wave 4 Helper:

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
F2650	E163-1. HELPER INS PAY
F2651	E164-1. HELPER \$ R PAY
F2652	E165-1. HELPER, PER
F2658	E158-2. HELPER OFTEN
F2659	E158A-2.HELPER PER WEEK
F2660	E158B-2.HELPER EVERY DAY
F2662	E159-2. HELPER HOURS
F2665	E162-2. HELPER PAID
F2666	E163-2. HELPER INS PAY
F2667	E164-2. HELPER \$ R PAY
F2668	E165-2. HELPER, PER
OPN	OTHER PERSON NUMBER

## Wave 5:

G2863	e95c.iadl meals help
G2868	e96c.iadl groc help
G2873	e97c.iadl phone help
G2878	e98c.iadl med help
G2880	e99.iadls-who help-1
G2889	e100.iadls-who help-2
G2894	e101.iadls-who help-3
G2900	e102.iadls-who help-4
G2906	e103.iadls-who help-5
G2912	e104.iadls-who help-6

G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2  
 G558 cs11.r in nursing home

## Wave 5 Helper:

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  
 G2958 E163-1. HELPER INS PAY  
 G2959 E164-1. HELPER \$ R PAY  
 G2960 E165-1. HELPER, PER  
 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  
 G2984 E163-2. HELPER INS PAY  
 G2985 E164-2. HELPER \$ R PAY  
 G2986 E165-2. HELPER, PER  
 OPN OTHER PERSON NUMBER

## Wave 6:

HA028 r in nursing home  
 HG043 iadl meal preparation help  
 HG046 iadl groc shop help  
 HG049 iadl making phone calls help  
 HG053 iadl taking medications help  
 HG054\_1 iadls- who helps most-1  
 HG054\_2 iadls- who helps- 2  
 HG054\_3 iadls- who helps- 3  
 HG054\_4 iadls- who helps- 4  
 HG054\_5 iadls- who helps- 5  
 HG054\_6 iadls- who helps- 6  
 HG061 iadl managing money help  
 HG062\_1 who helps manage money-1  
 HG062\_2 who helps manage money-2

## Wave 6 Helper:

HG069 helper relationship  
 HG070 freq of help given- days in last month  
 HG071 freq of help given- days per week  
 HG072 did helper help every dy  
 HG073 #hrs of help  
 HG076 helper paid to help  
 HG077 does ins pay  
 HG078 amount r/sp/p paid helper  
 HG079 amount r/sp/p paid helper- per  
 HIADLNDX iadl helper index  
 HMNYNDX money helper index

## Wave 7:

JA028 r in nursing home  
 JG043 iadl meal preparation help  
 JG046 iadl groc shop help  
 JG049 iadl making phone calls help  
 JG053 iadl taking medications help  
 JG054\_1 iadls- who helps most-1  
 JG054\_2 iadls- who helps- 2  
 JG054\_3 iadls- who helps- 3  
 JG054\_4 iadls- who helps- 4  
 JG054\_5 iadls- who helps- 5  
 JG054\_6 iadls- who helps- 6

JG061 iadl managing money help  
JG062\_1 who helps manage money-1  
JG062\_2 who helps manage money-2

Wave 7 Helper:  
JG069 helper relationship  
JG070 freq of help given-days last month  
JG071 # days helper helped  
JG072 did helper help every dy  
JG073 #hrs of help  
JG076 helper given money to help  
JG077 does ins pay  
JG078 amt r/sp/p paid  
JG079 amt r/sp/p paid helper  
JIADLNDX index connection to the iadl table  
JMNYNDX index connection to the money table

Wave 8:  
KA028 r in nursing home  
KG043 iadl meal preparation help  
KG046 iadl groc shop help  
KG049 iadl making phone calls help  
KG053 iadl taking medications help  
KG054\_1 iadls- who helps most-1  
KG054\_2 iadls- who helps- 2  
KG054\_3 iadls- who helps- 3  
KG054\_4 iadls- who helps- 4  
KG054\_5 iadls- who helps- 5  
KG054\_6 iadls- who helps- 6  
KG061 iadl managing money help  
KG062\_1 who helps manage money-1  
KG062\_2 who helps manage money-2

Wave 8 Helper:  
KG069 helper relationship  
KG070 freq of help given-days last month  
KG071 # days helper helped  
KG072 did helper help every dy  
KG073 #hrs of help  
KG076 helper given money to help  
KG077 does ins pay  
KG078 amt r/sp/p paid  
KG079 amt r/sp/p paid helper  
KIADLNDX index connection to the iadl table  
KMNYNDX index connection to the money table

Wave 9:  
LA028 r in nursing home  
LG043 iadl meal preparation help  
LG046 iadl groc shop help  
LG049 iadl making phone calls help  
LG053 iadl taking medications help  
LG054\_1 iadls- who helps most-1  
LG054\_2 iadls- who helps- 2  
LG054\_3 iadls- who helps- 3  
LG054\_4 iadls- who helps- 4  
LG054\_5 iadls- who helps- 5  
LG054\_6 iadls- who helps- 6  
LG061 iadl managing money help  
LG062\_1 who helps manage money-1  
LG062\_2 who helps manage money-2

Wave 9 Helper:  
LG069 helper relationship  
LG070 freq of help given-days last month  
LG071 # days helper helped  
LG072 did helper help every day  
LG073 #hrs of help

LG076 helper given money to help  
 LG077 does ins pay  
 LG078 amt r/sp/p paid  
 LG079 amt r/sp/p paid helper - per  
 LIADLNDX index connection to the iadl table  
 LMNYNDX index connection to the money table

Wave 10:

MA028 r in nursing home  
 MG043 iadl meal preparation help  
 MG046 iadl groc shop help  
 MG049 iadl making phone calls help  
 MG053 iadl taking medications help  
 MG054\_1 iadls- who helps -1  
 MG054\_2 iadls- who helps- 2  
 MG054\_3 iadls- who helps- 3  
 MG054\_4 iadls- who helps- 4  
 MG054\_5 iadls- who helps- 5  
 MG054\_6 iadls- who helps- 6  
 MG061 iadl managing money help  
 MG062\_1 who helps manage money-1  
 MG062\_2 who helps manage money-2

Wave 10 Helper:

MG069 helper relationship -1  
 MG070 freq of help given -1  
 MG071 # days helper helped -1  
 MG072 did helper help every dy -1  
 MG073 #hrs of help -1  
 MG076 helper given money to help -1  
 MG077 does ins pay -1  
 MG078 amt r/sp/p paid -1  
 MG079 amt r/sp/p paid helper -1  
 MIADLNDX index connection to the iadl table  
 MMNYNDX index connection to the money table

Wave 11:

NA028 r in nursing home  
 NG043 iadl meal preparation help  
 NG046 iadl groc shop help  
 NG049 iadl making phone calls help  
 NG053 iadl taking medications help  
 NG054\_1 iadls- who helps -1  
 NG054\_2 iadls- who helps- 2  
 NG054\_3 iadls- who helps- 3  
 NG054\_4 iadls- who helps- 4  
 NG054\_5 iadls- who helps- 5  
 NG054\_6 iadls- who helps- 6  
 NG061 iadl managing money help  
 NG062\_1 who helps manage money-1  
 NG062\_2 who helps manage money-2

Wave 11 Helper:

NG069 helper relationship  
 NG070 freq of help given  
 NG071 # days helper helped  
 NG072 did helper help every dy  
 NG073 #hrs of help  
 NG076 helper given money to help  
 NG077 does ins pay  
 NG078 amt r/sp/p paid  
 NG079 amt r/sp/p paid helper  
 NIADLNDX index connection to the iadl table  
 NMNYNDX index connection to the money table

Wave 12:

OA028 r in nursing home  
 OG043 iadl meal preparation help

OG046 iadl groc shop help  
OG049 iadl making phone calls help  
OG053 iadl taking medications help  
OG054\_1 iadls- who helps -1  
OG054\_2 iadls- who helps- 2  
OG054\_3 iadls- who helps- 3  
OG054\_4 iadls- who helps- 4  
OG054\_5 iadls- who helps- 5  
OG054\_6 iadls- who helps- 6  
OG061 iadl managing money help  
OG062\_1 who helps manage money-1  
OG062\_2 who helps manage money-2

Wave 12 Helper:  
OG069 helper relationship  
OG070 freq of help given  
OG071 # days helper helped  
OG072 did helper help every dy  
OG073 #hrs of help  
OG076 helper given money to help  
OG077 does ins pay  
OG078 amt r/sp/p paid  
OG079 amt r/sp/p paid helper  
OIADLNDX index connection to the iadl table  
OMNYNDX index connection to the money table

Wave 13:  
PA028 r in nursing home  
PG043 iadl meal preparation help  
PG046 iadl groc shop help  
PG049 iadl making phone calls help  
PG053 iadl taking medications help  
PG054\_1 iadls- who helps -1  
PG054\_2 iadls- who helps- 2  
PG054\_3 iadls- who helps- 3  
PG054\_4 iadls- who helps- 4  
PG054\_5 iadls- who helps- 5  
PG054\_6 iadls- who helps- 6  
PG061 iadl managing money help  
PG062\_1 who helps manage money-1  
PG062\_2 who helps manage money-2

Wave 13 Helper:  
PG069 helper relationship  
PG070 freq of help given  
PG071 # days helper helped  
PG072 did helper help every dy  
PG073 #hrs of help  
PG076 helper given money to help  
PG077 does ins pay  
PG078 amt r/sp/p paid  
PG079 amt r/sp/p paid helper  
PIADLNDX index connection to the iadl table  
PMNYNDX index connection to the money table

Wave 14:  
QA028 r in nursing home  
QG043 iadl meal preparation help  
QG046 iadl groc shop help  
QG049 iadl making phone calls help  
QG053 iadl taking medications help  
QG054\_1 iadls- who helps -1  
QG054\_2 iadls- who helps- 2  
QG054\_3 iadls- who helps- 3  
QG054\_4 iadls- who helps- 4  
QG054\_5 iadls- who helps- 5  
QG054\_6 iadls- who helps- 6

QG061	iadl managing money help
QG062_1	who helps manage money-1
QG062_2	who helps manage money-2
Wave 14 Helper:	
QG069	HELPER RELATIONSHIP
QG070	FREQ OF HELP GIVEN
QG071	# DAYS HELPER HELPED
QG072	DID HELPER HELP EVERY DY
QG073	#HRS OF HELP
QG076	HELPER GIVEN MONEY TO HELP
QG077	DOES INS PAY
QG078	AMT R/SP/P PAID
QG079	AMT R/SP/P PAID HELPER
QIADLNDX	INDEX CONNECTION TO THE IADL TABLE
QMNYNDX	INDEX CONNECTION TO THE MONEY TABLE
Wave 15:	
RA028	r in nursing home
RG043	iadl meal preparation help
RG046	iadl groc shop help
RG049	iadl making phone calls help
RG053	iadl taking medications help
RG054_1	iadls- who helps -1
RG054_2	iadls- who helps- 2
RG054_3	iadls- who helps- 3
RG054_4	iadls- who helps- 4
RG054_5	iadls- who helps- 5
RG054_6	iadls- who helps- 6
RG061	iadl managing money help
RG062_1	who helps manage money-1
RG062_2	who helps manage money-2
Wave 15 Helper:	
RG069	HELPER RELATIONSHIP
RG070	FREQ OF HELP GIVEN
RG071	# DAYS HELPER HELPED
RG072	DID HELPER HELP EVERY DY
RG073	#HRS OF HELP
RG076	HELPER GIVEN MONEY TO HELP
RG077	DOES INS PAY
RG078	AMT R/SP/P PAID
RG079	AMT R/SP/P PAID HELPER
RIADLNDX	INDEX CONNECTION TO THE IADL TABLE
RMNYNDX	INDEX CONNECTION TO THE MONEY TABLE

<b>Activities of Daily Living and Instrumental Activities of Daily Living: Whether Receives Any Care</b>
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Wave	Variable	Label	Type
02	R2RCANY	r2rcany:w2 r receives any care for adls/iadls	Categ
03	R3RCANY	r3rcany:w3 r receives any care for adls/iadls	Categ
04	R4RCANY	r4rcany:w4 r receives any care for adls/iadls	Categ
05	R5RCANY	r5rcany:w5 r receives any care for adls/iadls	Categ
06	R6RCANY	r6rcany:w6 r receives any care for adls/iadls	Categ
07	R7RCANY	r7rcany:w7 r receives any care for adls/iadls	Categ
08	R8RCANY	r8rcany:w8 r receives any care for adls/iadls	Categ
09	R9RCANY	r9rcany:w9 r receives any care for adls/iadls	Categ
10	R10RCANY	r10rcany:w10 r receives any care for adls/iadls	Categ
11	R11RCANY	r11rcany:w11 r receives any care for adls/iadls	Categ
12	R12RCANY	r12rcany:w12 r receives any care for adls/iadls	Categ
13	R13RCANY	r13rcany:w13 r receives any care for adls/iadls	Categ
14	R14RCANY	r14rcany:w14 r receives any care for adls/iadls	Categ
15	R15RCANY	r15rcany:w15 r receives any care for adls/iadls	Categ
02	S2RCANY	s2rcany:w2 s receives any care for adls/iadls	Categ
03	S3RCANY	s3rcany:w3 s receives any care for adls/iadls	Categ
04	S4RCANY	s4rcany:w4 s receives any care for adls/iadls	Categ
05	S5RCANY	s5rcany:w5 s receives any care for adls/iadls	Categ
06	S6RCANY	s6rcany:w6 s receives any care for adls/iadls	Categ
07	S7RCANY	s7rcany:w7 s receives any care for adls/iadls	Categ
08	S8RCANY	s8rcany:w8 s receives any care for adls/iadls	Categ
09	S9RCANY	s9rcany:w9 s receives any care for adls/iadls	Categ
10	S10RCANY	s10rcany:w10 s receives any care for adls/iadls	Categ
11	S11RCANY	s11rcany:w11 s receives any care for adls/iadls	Categ
12	S12RCANY	s12rcany:w12 s receives any care for adls/iadls	Categ
13	S13RCANY	s13rcany:w13 s receives any care for adls/iadls	Categ
14	S14RCANY	s14rcany:w14 s receives any care for adls/iadls	Categ
15	S15RCANY	s15rcany:w15 s receives any care for adls/iadls	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RCANY	2808	0.82	0.38	0.00	1.00
R3RCANY	4210	0.62	0.48	0.00	1.00
R4RCANY	4848	0.63	0.48	0.00	1.00
R5RCANY	4542	0.61	0.49	0.00	1.00
R6RCANY	4374	0.64	0.48	0.00	1.00
R7RCANY	4632	0.64	0.48	0.00	1.00
R8RCANY	4594	0.63	0.48	0.00	1.00
R9RCANY	4304	0.63	0.48	0.00	1.00
R10RCANY	5577	0.64	0.48	0.00	1.00
R11RCANY	5152	0.65	0.48	0.00	1.00
R12RCANY	5027	0.65	0.48	0.00	1.00
R13RCANY	5283	0.64	0.48	0.00	1.00
R14RCANY	4294	0.63	0.48	0.00	1.00
R15RCANY	4173	0.55	0.50	0.00	1.00
S2RCANY	1305	0.85	0.36	0.00	1.00
S3RCANY	2141	0.61	0.49	0.00	1.00
S4RCANY	2457	0.61	0.49	0.00	1.00
S5RCANY	2301	0.59	0.49	0.00	1.00
S6RCANY	2085	0.62	0.49	0.00	1.00
S7RCANY	2250	0.63	0.48	0.00	1.00
S8RCANY	2232	0.62	0.49	0.00	1.00
S9RCANY	1989	0.61	0.49	0.00	1.00



S10RCANY	2678	0.65	0.48	0.00	1.00
S11RCANY	2467	0.65	0.48	0.00	1.00
S12RCANY	2321	0.67	0.47	0.00	1.00
S13RCANY	2322	0.66	0.48	0.00	1.00
S14RCANY	1844	0.66	0.47	0.00	1.00
S15RCANY	1863	0.53	0.50	0.00	1.00

### Categorical Variable Codes

Value-----	R2RCANY	R3RCANY	R4RCANY	R5RCANY
.d:DK	24			
.m:Missing	29	73	28	
.q:not asked this wave	11595			
.x:no difficulties	5361	13708	16508	15036
0.no	495	1580	1804	1754
1.yes	2313	2630	3044	2788

Value-----	R6RCANY	R7RCANY	R8RCANY	R9RCANY	R10RCANY
.m:Missing	7	10	7	2	2
.x:no difficulties	13784	15487	13868	12911	16455
0.no	1594	1671	1712	1594	1998
1.yes	2780	2961	2882	2710	3579

Value-----	R11RCANY	R12RCANY	R13RCANY	R14RCANY	R15RCANY
.m:Missing		1			1
.x:no difficulties	15402	13719	15629	12852	11549
0.no	1778	1760	1925	1594	1859
1.yes	3374	3267	3358	2700	2314

Value-----	S2RCANY	S3RCANY	S4RCANY	S5RCANY
.d:DK	6			
.m:Missing	21	34	7	
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3018	9741	11514	10429
0.no	199	838	956	934
1.yes	1106	1303	1501	1367

Value-----	S6RCANY	S7RCANY	S8RCANY	S9RCANY	S10RCANY
.m:Missing	3	1	1	2	
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	9544	10717	9495	8649	10830
0.no	797	824	851	767	929
1.yes	1288	1426	1381	1222	1749

Value-----	S11RCANY	S12RCANY	S13RCANY	S14RCANY	S15RCANY
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10009	8691	9456	7514	6603
0.no	858	775	798	623	873
1.yes	1609	1546	1524	1221	990

### How Constructed:

RwRCANY indicates whether the respondent receives any care for difficulties with activities of daily living (ADL) and/or instrumental activities of daily living (IADL). If the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. RwRCANY is assigned a value of 0 if the respondent has difficulty with at least one ADL or IADL but receives no help with the activity. RwRCANY is assigned a value of 1 if the respondent has difficulty with at least one ADL or IADL and someone helps with at least one of the activities. RwRCANY is assigned special missing .x if the respondent has no difficulty with any ADLs or IADLs. These questions are not asked to HRS Wave 2 respondents, and so are assigned special missing .q in Wave 2. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRCANY is assigned a blank missing

(.) if the respondent did not participate in the current wave. The information used to derive this variable is taken from the respondent-level HRS helper files.

SwRCANY indicates whether the respondent's current wave's spouse receives any care for difficulties with ADLs or IADLs, and its values are taken from RwRCANY. In addition to the special missing codes employed by RwRCANY, SwRCANY employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about receiving help for difficulties with ADLs are not asked in Wave 1 and for the HRS cohort in Wave 2.

Questions about help with ADL and IADL activities are asked differently in the AHEAD cohort in Wave 2 than in other waves. In this wave, if the respondent reports receiving help with an ADL, then they are asked how frequently they receive help with that ADL, and then asked whether they have difficulty with the ADL. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, the respondent is first asked whether they have difficulty with an ADL or IADL, and if so, they are asked whether someone helps them with that activity. The coding for the AHEAD cohort in Wave 2 has been adjusted to make the measures as comparable as possible to other waves.

## HRS Variables Used:

RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10MEALSA	r10mealsa:w10 r any diff-prepare hot meal
R10MEDSA	r10medsa:w10 r any diff-take medications
R10MONEYA	r10moneya:w10 r any diff-managing money
R10PHONEA	r10phonea:w10 r any diff-use telephone
R10SHOPA	r10shopa:w10 r any diff-shop for grocery
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11MEALSA	r11mealsa:w11 r any diff-prepare hot meal
R11MEDSA	r11medsa:w11 r any diff-take medications
R11MONEYA	r11moneya:w11 r any diff-managing money
R11PHONEA	r11phonea:w11 r any diff-use telephone
R11SHOPA	r11shopa:w11 r any diff-shop for grocery
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed
R12DRESSA	r12dressa:w12 r any diff-dressing
R12EATA	r12eata:w12 r any diff-eating
R12MEALSA	r12mealsa:w12 r any diff-prepare hot meal
R12MEDSA	r12medsa:w12 r any diff-take medications
R12MONEYA	r12moneya:w12 r any diff-managing money
R12PHONEA	r12phonea:w12 r any diff-use telephone
R12SHOPA	r12shopa:w12 r any diff-shop for grocery
R12TOILTA	r12toilta:w12 r any diff-using the toilet
R12WALKRA	r12walkra:w12 r any diff-walk across room
R13BATHA	r13batha:w13 r any diff-bathing, shower

R13BEDA r13beda:w13 r any diff-get in/out bed  
R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13MEALSA r13mealsa:w13 r any diff-prepare hot meal  
R13MEDSA r13medsa:w13 r any diff-take medications  
R13MONEYA r13moneya:w13 r any diff-managing money  
R13PHONEA r13phonea:w13 r any diff-use telephone  
R13SHOPA r13shopa:w13 r any diff-shop for grocery  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14MEALSA r14mealsa:w14 r any diff-prepare hot meal  
R14MEDSA r14medsa:w14 r any diff-take medications  
R14MONEYA r14moneya:w14 r any diff-managing money  
R14PHONEA r14phonea:w14 r any diff-use telephone  
R14SHOPA r14shopa:w14 r any diff-shop for grocery  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15MEALSA r15mealsa:w15 r any diff-prepare hot meal  
R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
R5MEDSA r5medsa:w5 r any diff-take medications  
R5MONEYA r5moneya:w5 r any diff-managing money  
R5PHONEA r5phonea:w5 r any diff-use telephone  
R5SHOPA r5shopa:w5 r any diff-shop for grocery

R5TOILTA	r5toilta:w5 r any diff-using the toilet
R5WALKRA	r5walkra:w5 r any diff-walk across room
R6BATHA	r6batha:w6 r any diff-bathing, shower
R6BEDA	r6beda:w6 r any diff-get in/out bed
R6DRESSA	r6dressa:w6 r any diff-dressing
R6EATA	r6eata:w6 r any diff-eating
R6MEALSA	r6mealsa:w6 r any diff-prepare hot meal
R6MEDSA	r6medsa:w6 r any diff-take medications
R6MONEYA	r6moneya:w6 r any diff-managing money
R6PHONEA	r6phonea:w6 r any diff-use telephone
R6SHOPA	r6shopa:w6 r any diff-shop for grocery
R6TOILTA	r6toilta:w6 r any diff-using the toilet
R6WALKRA	r6walkra:w6 r any diff-walk across room
R7BATHA	r7batha:w7 r any diff-bathing, shower
R7BEDA	r7beda:w7 r any diff-get in/out bed
R7DRESSA	r7dressa:w7 r any diff-dressing
R7EATA	r7eata:w7 r any diff-eating
R7MEALSA	r7mealsa:w7 r any diff-prepare hot meal
R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R7TOILTA	r7toilta:w7 r any diff-using the toilet
R7WALKRA	r7walkra:w7 r any diff-walk across room
R8BATHA	r8batha:w8 r any diff-bathing, shower
R8BEDA	r8beda:w8 r any diff-get in/out bed
R8DRESSA	r8dressa:w8 r any diff-dressing
R8EATA	r8eata:w8 r any diff-eating
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever

B816	e44b. toilet any difficulty
B823	e45. toilet who helps
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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps
Wave 2 HRS:	
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D1870	adlck.ckpt for skipping adl series
D1877	e72f.adl walk help
D1887	e73f.adl dress help
D1897	e74f.adl bathe help
D1907	e75f.adl eat help
D1920	e76f.adl bed help
D1930	e77f.adl toilet help
D1961	e83.who help-11
D1975	e84.who help-2
D1984	e85.who help-3
D1988	e86.who help-4
D1992	e87.who help-5
D1996	e88.who help-6
D2000	e89.who help-7
D2024	e95c.iadl meals help
D2029	e96c.iadl groc help
D2034	e97c.iadl phone help
D2039	e98c.iadl med help
D2041	e99.iadls-who help,1
D2050	e100.iadls-who help,2
D2055	e101.iadls-who help,3
D2061	e102.iadls-who help,4
D2067	e103.iadls-who help,5
D2073	e104.iadls-who help,6
D2102	e106c.iadl money who help,1
D2107	e107. money help-1
D2115	e107c.iadl money who help,2
D2121	e108. money helper-2
Wave 3 HRS:	
E1894	adlck.ckpt for skipping adl series
E1901	e72f.adl walk help
E1911	e73f.adl dress help
E1921	e74f.adl bathe help
E1931	e75f.adl eat help
E1944	e76f.adl bed help
E1954	e77f.adl toilet help
E1976	e83.who help-11
E1990	e84.who help-2
E1999	e85.who help-3
E2003	e86.who help-4
E2007	e87.who help-5
E2011	e88.who help-6
E2015	e89.who help-7
E2039	e95c.iadl meals help
E2044	e96c.iadl groc help
E2049	e97c.iadl phone help
E2054	e98c.iadl med help
E2056	e99.iadls-who help,1
E2065	e100.iadls-who help,2
E2070	e101.iadls-who help,3

E2076	e102.iadls-who help,4
E2082	e103.iadls-who help,5
E2088	e104.iadls-who help,6
E2096	e106c.iadl money who help,1
E2101	e107. money help-1
E2105	e107c.iadl money who help,2
E2109	e108. money helper-2
Wave 4:	
F2426	e73f.adl dress help
F2431	e72.adl walk help
F2447	e74f.adl bathe help
F2457	e75f.adl eat help
F2470	e76f.adl bed help
F2480	e77f.adl toilet help
F2502	e83.who help-11
F2516	e84.who help-2
F2525	e85.who help-3
F2529	e86.who help-4
F2533	e87.who help-5
F2537	e88.who help-6
F2541	e89.who help-7
F2565	e95c.iadl meals help
F2570	e96c.iadl groc help
F2575	e97c.iadl phone help
F2580	e98c.iadl med help
F2582	e99.iadls-who help,1
F2591	e100.iadls-who help,2
F2596	e101.iadls-who help,3
F2602	e102.iadls-who help,4
F2608	e103.iadls-who help,5
F2614	e104.iadls-who help,6
F2620	e106c.iadl money who help,1
F2621	e107. money help-1
F2624	e107c.iadl money who help,2
F2625	e108. money helper-2
F517	cs11.r in nursing home
Wave 5:	
G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4
G2831	e87.who help-5
G2835	e88.who help-6
G2839	e89.who help-7
G2863	e95c.iadl meals help
G2868	e96c.iadl groc help
G2873	e97c.iadl phone help
G2878	e98c.iadl med help
G2880	e99.iadls-who help-1
G2889	e100.iadls-who help-2
G2894	e101.iadls-who help-3
G2900	e102.iadls-who help-4
G2906	e103.iadls-who help-5
G2912	e104.iadls-who help-6
G2918	e106c.iadl money who help-1
G2919	e107. money help-1
G2922	e107c.iadl money who help-2

G2923 e108. money helper-2  
G558 cs11.r in nursing home

Wave 6:

HA028 r in nursing home  
HG013 chkpnt: count of hg001 through hg012  
HG015 help w/dress  
HG020 adl walk help  
HG022 adl bathe help  
HG024 adl eat help  
HG029 adl bed help  
HG031 adl toilet help  
HG032\_1 who helps most- adl- 1  
HG032\_2 who helps- adl- 2  
HG032\_3 who helps- adl- 3  
HG032\_4 who helps- adl- 4  
HG032\_5 who helps- adl- 5  
HG032\_6 who helps- adl- 6  
HG032\_7 who helps- adl- 7  
HG043 iadl meal preparation help  
HG046 iadl groc shop help  
HG049 iadl making phone calls help  
HG053 iadl taking medications help  
HG054\_1 iadls- who helps most-1  
HG054\_2 iadls- who helps- 2  
HG054\_3 iadls- who helps- 3  
HG054\_4 iadls- who helps- 4  
HG054\_5 iadls- who helps- 5  
HG054\_6 iadls- who helps- 6  
HG061 iadl managing money help  
HG062\_1 who helps manage money-1  
HG062\_2 who helps manage money-2

Wave 7:

JA028 r in nursing home  
JG013 chkpnt: count of jg001 through jg012  
JG015 help w/dress  
JG020 adl walk help  
JG022 adl bathe help  
JG024 adl eat help  
JG029 adl bed help  
JG031 adl toilet help  
JG032\_1 who helps most- adl- 1  
JG032\_2 who helps- adl- 2  
JG032\_3 who helps- adl- 3  
JG032\_4 who helps- adl- 4  
JG032\_5 who helps- adl- 5  
JG032\_6 who helps- adl- 6  
JG032\_7 who helps- adl- 7  
JG043 iadl meal preparation help  
JG046 iadl groc shop help  
JG049 iadl making phone calls help  
JG053 iadl taking medications help  
JG054\_1 iadls- who helps most-1  
JG054\_2 iadls- who helps- 2  
JG054\_3 iadls- who helps- 3  
JG054\_4 iadls- who helps- 4  
JG054\_5 iadls- who helps- 5  
JG054\_6 iadls- who helps- 6  
JG061 iadl managing money help  
JG062\_1 who helps manage money-1  
JG062\_2 who helps manage money-2

Wave 8:

KA028 r in nursing home  
KG013 chkpnt: count of jg001 through jg012

KG015	help w/dress
KG020	adl walk help
KG022	adl bathe help
KG024	adl eat help
KG029	adl bed help
KG031	adl toilet help
KG032_1	who helps most- adl- 1
KG032_2	who helps- adl- 2
KG032_3	who helps- adl- 3
KG032_4	who helps- adl- 4
KG032_5	who helps- adl- 5
KG032_6	who helps- adl- 6
KG032_7	who helps- adl- 7
KG043	iadl meal preparation help
KG046	iadl groc shop help
KG049	iadl making phone calls help
KG053	iadl taking medications help
KG054_1	iadls- who helps most-1
KG054_2	iadls- who helps- 2
KG054_3	iadls- who helps- 3
KG054_4	iadls- who helps- 4
KG054_5	iadls- who helps- 5
KG054_6	iadls- who helps- 6
KG061	iadl managing money help
KG062_1	who helps manage money-1
KG062_2	who helps manage money-2
Wave 9:	
LA028	r in nursing home
LG013	chkpnt: count of lg001 through lg012
LG015	help w/dress
LG020	adl walk help
LG022	adl bathe help
LG024	adl eat help
LG029	adl bed help
LG031	adl toilet help
LG032_1	who helps most- adl- 1
LG032_2	who helps- adl- 2
LG032_3	who helps- adl- 3
LG032_4	who helps- adl- 4
LG032_5	who helps- adl- 5
LG032_6	who helps- adl- 6
LG032_7	who helps- adl- 7
LG043	iadl meal preparation help
LG046	iadl groc shop help
LG049	iadl making phone calls help
LG053	iadl taking medications help
LG054_1	iadls- who helps most-1
LG054_2	iadls- who helps- 2
LG054_3	iadls- who helps- 3
LG054_4	iadls- who helps- 4
LG054_5	iadls- who helps- 5
LG054_6	iadls- who helps- 6
LG061	iadl managing money help
LG062_1	who helps manage money-1
LG062_2	who helps manage money-2
Wave 10:	
MA028	r in nursing home
MG013	chkpnt: count of mg001 through mg012
MG015	help w/dress
MG020	adl walk help
MG022	adl bathe help
MG024	adl eat help
MG029	adl bed help



MG031	adl toilet help
MG032_1	who helps most- adl- 1
MG032_2	who helps- adl- 2
MG032_3	who helps- adl- 3
MG032_4	who helps- adl- 4
MG032_5	who helps- adl- 5
MG032_6	who helps- adl- 6
MG032_7	who helps- adl- 7
MG043	iadl meal preparation help
MG046	iadl groc shop help
MG049	iadl making phone calls help
MG053	iadl taking medications help
MG054_1	iadls- who helps -1
MG054_2	iadls- who helps- 2
MG054_3	iadls- who helps- 3
MG054_4	iadls- who helps- 4
MG054_5	iadls- who helps- 5
MG054_6	iadls- who helps- 6
MG061	iadl managing money help
MG062_1	who helps manage money-1
MG062_2	who helps manage money-2
Wave 11:	
NA028	r in nursing home
NG013	chkpnt: count of ng001 through ng012
NG015	help w/dress
NG020	adl walk help
NG022	adl bathe help
NG024	adl eat help
NG029	adl bed help
NG031	adl toilet help
NG032_1	who helps most- adl- 1
NG032_2	who helps- adl- 2
NG032_3	who helps- adl- 3
NG032_4	who helps- adl- 4
NG032_5	who helps- adl- 5
NG032_6	who helps- adl- 6
NG032_7	who helps- adl- 7
NG043	iadl meal preparation help
NG046	iadl groc shop help
NG049	iadl making phone calls help
NG053	iadl taking medications help
NG054_1	iadls- who helps -1
NG054_2	iadls- who helps- 2
NG054_3	iadls- who helps- 3
NG054_4	iadls- who helps- 4
NG054_5	iadls- who helps- 5
NG054_6	iadls- who helps- 6
NG061	iadl managing money help
NG062_1	who helps manage money-1
NG062_2	who helps manage money-2
Wave 12:	
OA028	r in nursing home
OG013	chkpnt: count of g001 through g012
OG015	help w/dress
OG020	adl walk help
OG022	adl bathe help
OG024	adl eat help
OG029	adl bed help
OG031	adl toilet help
OG032_1	who helps most- adl- 1
OG032_2	who helps- adl- 2
OG032_3	who helps- adl- 3
OG032_4	who helps- adl- 4

OG032\_5 who helps- adl- 5  
 OG032\_6 who helps- adl- 6  
 OG032\_7 who helps- adl- 7  
 OG043 iadl meal preparation help  
 OG046 iadl groc shop help  
 OG049 iadl making phone calls help  
 OG053 iadl taking medications help  
 OG054\_1 iadls- who helps -1  
 OG054\_2 iadls- who helps- 2  
 OG054\_3 iadls- who helps- 3  
 OG054\_4 iadls- who helps- 4  
 OG054\_5 iadls- who helps- 5  
 OG054\_6 iadls- who helps- 6  
 OG061 iadl managing money help  
 OG062\_1 who helps manage money-1  
 OG062\_2 who helps manage money-2

## Wave 13:

PA028 r in nursing home  
 PG013 chkpnt: count of g001 through g012  
 PG015 help w/dress  
 PG020 adl walk help  
 PG022 adl bathe help  
 PG024 adl eat help  
 PG029 adl bed help  
 PG031 adl toilet help  
 PG032\_1 who helps most- adl- 1  
 PG032\_2 who helps- adl- 2  
 PG032\_3 who helps- adl- 3  
 PG032\_4 who helps- adl- 4  
 PG032\_5 who helps- adl- 5  
 PG032\_6 who helps- adl- 6  
 PG032\_7 who helps- adl- 7  
 PG043 iadl meal preparation help  
 PG046 iadl groc shop help  
 PG049 iadl making phone calls help  
 PG053 iadl taking medications help  
 PG054\_1 iadls- who helps -1  
 PG054\_2 iadls- who helps- 2  
 PG054\_3 iadls- who helps- 3  
 PG054\_4 iadls- who helps- 4  
 PG054\_5 iadls- who helps- 5  
 PG054\_6 iadls- who helps- 6  
 PG061 iadl managing money help  
 PG062\_1 who helps manage money-1  
 PG062\_2 who helps manage money-2

## Wave 14:

QA028 r in nursing home  
 QG013 chkpnt: count of g001 through g012  
 QG015 help w/dress  
 QG020 adl walk help  
 QG022 adl bathe help  
 QG024 adl eat help  
 QG029 adl bed help  
 QG031 adl toilet help  
 QG032\_1 who helps most- adl- 1  
 QG032\_2 who helps- adl- 2  
 QG032\_3 who helps- adl- 3  
 QG032\_4 who helps- adl- 4  
 QG032\_5 who helps- adl- 5  
 QG032\_6 who helps- adl- 6  
 QG032\_7 who helps- adl- 7  
 QG043 iadl meal preparation help  
 QG046 iadl groc shop help

QG049 iadl making phone calls help  
QG053 iadl taking medications help  
QG054\_1 iadls- who helps -1  
QG054\_2 iadls- who helps- 2  
QG054\_3 iadls- who helps- 3  
QG054\_4 iadls- who helps- 4  
QG054\_5 iadls- who helps- 5  
QG054\_6 iadls- who helps- 6  
QG061 iadl managing money help  
QG062\_1 who helps manage money-1  
QG062\_2 who helps manage money-2

Wave 15:

RA028 r in nursing home  
RG013 chkpnt: count of g001 through g012  
RG015 help w/dress  
RG020 adl walk help  
RG022 adl bathe help  
RG024 adl eat help  
RG029 adl bed help  
RG031 adl toilet help  
RG032\_1 who helps most- adl- 1  
RG032\_2 who helps- adl- 2  
RG032\_3 who helps- adl- 3  
RG032\_4 who helps- adl- 4  
RG032\_5 who helps- adl- 5  
RG032\_6 who helps- adl- 6  
RG032\_7 who helps- adl- 7  
RG043 iadl meal preparation help  
RG046 iadl groc shop help  
RG049 iadl making phone calls help  
RG053 iadl taking medications help  
RG054\_1 iadls- who helps -1  
RG054\_2 iadls- who helps- 2  
RG054\_3 iadls- who helps- 3  
RG054\_4 iadls- who helps- 4  
RG054\_5 iadls- who helps- 5  
RG054\_6 iadls- who helps- 6  
RG061 iadl managing money help  
RG062\_1 who helps manage money-1  
RG062\_2 who helps manage money-2

<b>Activities of Daily Living and Instrumental Activities of Daily Living: Whether Receives Any Informal Care</b>
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Wave	Variable	Label	Type
02	R2RCAANY	r2rcaany:w2 r receives any informal care for adls/iadls	Categ
03	R3RCAANY	r3rcaany:w3 r receives any informal care for adls/iadls	Categ
04	R4RCAANY	r4rcaany:w4 r receives any informal care for adls/iadls	Categ
05	R5RCAANY	r5rcaany:w5 r receives any informal care for adls/iadls	Categ
06	R6RCAANY	r6rcaany:w6 r receives any informal care for adls/iadls	Categ
07	R7RCAANY	r7rcaany:w7 r receives any informal care for adls/iadls	Categ
08	R8RCAANY	r8rcaany:w8 r receives any informal care for adls/iadls	Categ
09	R9RCAANY	r9rcaany:w9 r receives any informal care for adls/iadls	Categ
10	R10RCAANY	r10rcaany:w10 r receives any informal care for adls/iadls	Categ
11	R11RCAANY	r11rcaany:w11 r receives any informal care for adls/iadls	Categ
12	R12RCAANY	r12rcaany:w12 r receives any informal care for adls/iadls	Categ
13	R13RCAANY	r13rcaany:w13 r receives any informal care for adls/iadls	Categ
14	R14RCAANY	r14rcaany:w14 r receives any informal care for adls/iadls	Categ
15	R15RCAANY	r15rcaany:w15 r receives any informal care for adls/iadls	Categ
02	S2RCAANY	s2rcaany:w2 s receives any informal care for adls/iadls	Categ
03	S3RCAANY	s3rcaany:w3 s receives any informal care for adls/iadls	Categ
04	S4RCAANY	s4rcaany:w4 s receives any informal care for adls/iadls	Categ
05	S5RCAANY	s5rcaany:w5 s receives any informal care for adls/iadls	Categ
06	S6RCAANY	s6rcaany:w6 s receives any informal care for adls/iadls	Categ
07	S7RCAANY	s7rcaany:w7 s receives any informal care for adls/iadls	Categ
08	S8RCAANY	s8rcaany:w8 s receives any informal care for adls/iadls	Categ
09	S9RCAANY	s9rcaany:w9 s receives any informal care for adls/iadls	Categ
10	S10RCAANY	s10rcaany:w10 s receives any informal care for adls/iadls	Categ
11	S11RCAANY	s11rcaany:w11 s receives any informal care for adls/iadls	Categ
12	S12RCAANY	s12rcaany:w12 s receives any informal care for adls/iadls	Categ
13	S13RCAANY	s13rcaany:w13 s receives any informal care for adls/iadls	Categ
14	S14RCAANY	s14rcaany:w14 s receives any informal care for adls/iadls	Categ
15	S15RCAANY	s15rcaany:w15 s receives any informal care for adls/iadls	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RCAANY	2769	0.75	0.43	0.00	1.00
R3RCAANY	4236	0.59	0.49	0.00	1.00
R4RCAANY	4844	0.60	0.49	0.00	1.00
R5RCAANY	4541	0.58	0.49	0.00	1.00
R6RCAANY	4370	0.60	0.49	0.00	1.00
R7RCAANY	4629	0.60	0.49	0.00	1.00
R8RCAANY	4593	0.60	0.49	0.00	1.00
R9RCAANY	4303	0.59	0.49	0.00	1.00
R10RCAANY	5572	0.62	0.49	0.00	1.00
R11RCAANY	5150	0.62	0.49	0.00	1.00
R12RCAANY	5019	0.61	0.49	0.00	1.00
R13RCAANY	5275	0.60	0.49	0.00	1.00
R14RCAANY	4267	0.59	0.49	0.00	1.00
R15RCAANY	4139	0.52	0.50	0.00	1.00
S2RCAANY	1296	0.83	0.38	0.00	1.00
S3RCAANY	2158	0.60	0.49	0.00	1.00
S4RCAANY	2457	0.60	0.49	0.00	1.00
S5RCAANY	2301	0.58	0.49	0.00	1.00
S6RCAANY	2084	0.61	0.49	0.00	1.00
S7RCAANY	2248	0.62	0.48	0.00	1.00
S8RCAANY	2232	0.61	0.49	0.00	1.00
S9RCAANY	1989	0.61	0.49	0.00	1.00

S10RCAANY	2677	0.64	0.48	0.00	1.00
S11RCAANY	2467	0.64	0.48	0.00	1.00
S12RCAANY	2320	0.66	0.48	0.00	1.00
S13RCAANY	2317	0.64	0.48	0.00	1.00
S14RCAANY	1839	0.64	0.48	0.00	1.00
S15RCAANY	1852	0.52	0.50	0.00	1.00

### Categorical Variable Codes

Value-----	R2RCAANY	R3RCAANY	R4RCAANY	R5RCAANY
.d:DK	25	4	3	
.f:infrequent care	65			
.m:Missing	2	43	28	
.q:not asked this wave	11595			
.r:Refuse			1	1
.x:no difficulties	5361	13708	16508	15036
0.no	699	1726	1955	1899
1.yes	2070	2510	2889	2642

Value-----	R6RCAANY	R7RCAANY	R8RCAANY	R9RCAANY	R10RCAANY
.d:DK	1	3		1	4
.m:Missing	7	10	7	2	2
.r:Refuse	3		1		1
.x:no difficulties	13784	15487	13868	12911	16455
0.no	1743	1835	1859	1754	2122
1.yes	2627	2794	2734	2549	3450

Value-----	R11RCAANY	R12RCAANY	R13RCAANY	R14RCAANY	R15RCAANY
.d:DK	1	8	8	19	28
.m:Missing		1		1	5
.r:Refuse	1			7	2
.x:no difficulties	15402	13719	15629	12852	11549
0.no	1975	1934	2120	1763	1977
1.yes	3175	3085	3155	2504	2162

Value-----	S2RCAANY	S3RCAANY	S4RCAANY	S5RCAANY
.d:DK	6	2		
.f:infrequent care	29			
.m:Missing	1	15	7	
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3018	9741	11514	10429
0.no	224	863	982	958
1.yes	1072	1295	1475	1343

Value-----	S6RCAANY	S7RCAANY	S8RCAANY	S9RCAANY	S10RCAANY
.d:DK		2			
.m:Missing	3	1	1	2	
.r:Refuse	1				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	9544	10717	9495	8649	10830
0.no	818	845	871	785	951
1.yes	1266	1403	1361	1204	1726

Value-----	S11RCAANY	S12RCAANY	S13RCAANY	S14RCAANY	S15RCAANY
.d:DK		1	5	2	8
.m:Missing				1	2
.r:Refuse				2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10009	8691	9456	7514	6603
0.no	890	798	825	655	886
1.yes	1577	1522	1492	1184	966

### How Constructed:

RwRCAANY indicates whether the respondent receives any informal care for difficulties with activities of daily living (ADL) and/or instrumental activities of daily living (IADL). The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the

toilet. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs, up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The information used to derive this variable is taken from the respondent-level and helper-level HRS helper files.

For the AHEAD cohort in Wave 2, the following relationships are considered to provide informal care: spouse, child, spouse of child, grandchild, spouse of grandchild, other relative, and other individual. For the AHEAD cohort in Wave 3 and the HRS cohorts in Waves 3 through 5, the following relationships are considered to provide informal care: spouse, child, child-in-law, unlisted child or child-in-law, step/partner child, grandchild, sibling, sibling of spouse, parent or parent-in-law, other relative, and other individual. In Waves 6 and onward, the following relationships are considered to provide informal care: spouse/partner, son, stepson, spouse/partner of daughter, daughter, stepdaughter, spouse/partner of son, grandchild, father, father of spouse/partner, mother, mother of spouse/partner, parents, brother, brother of spouse/partner, sister, sister of spouse/partner, other relative, other individual, former spouse, unlisted child or child-in-law, former step-child, former child-in-law, relationship unknown, and spouse/partner of grandchild.

RwRCAANY is assigned a value of 0 if the respondent has difficulty with at least one ADL or IADL but receives no help with the activity from an informal caregiver or does not receive any help at all. RwRCAANY is assigned a value of 1 if the respondent has difficulty with at least one ADL or IADL and an informal caregiver helps with at least one of the activities. RwRCAANY is assigned special missing .x if the respondent has no difficulty with any ADLs or IADLs. Respondents in the AHEAD cohort in Wave 2 are not asked who helps them with ADLs if they report receiving help with the ADL some of the time or occasionally (as opposed to most/all of the time), in which case RwRCAANY is assigned special missing .f. These questions are not asked for the HRS cohort in Wave 2, so RwRCAANY is assigned special missing .q in this wave. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRCAANY is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRCAANY indicates whether the respondent's current wave's spouse receives any informal care for difficulties with ADLs or IADLs, and its values are taken from RwRCAANY. In addition to the special missing codes employed by RwRCAANY, SwRCAANY employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

These questions are not asked at all in Wave 1 and for the HRS cohort in Wave 2.

In the AHEAD cohort in Wave 2, if the respondent reports receiving help with an ADL, then they are asked how frequently they receive help with that activity. If the respondent reports receiving help most/all of the time, then they are asked who helps them with that activity. They are not asked who helps them if they report receiving help some of the time or occasionally. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help.

In Waves 3 and onward, if the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs, up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money.

The options for type of relationship change slightly between the AHEAD cohort in Wave 2, Waves 3 through 5, and Waves 6 and onward, but these categories have been combined to keep the definitions as similar as possible between waves for RWRCAANY.

### HRS Variables Used:

#### RAND HRS:

R10BATHA	r10batha:w10	r any diff-bathing, shower
R10BEDA	r10beda:w10	r any diff-get in/out bed
R10DRESSA	r10dressa:w10	r any diff-dressing
R10EATA	r10eata:w10	r any diff-eating
R10MEALSA	r10mealsa:w10	r any diff-prepare hot meal
R10MEDSA	r10medsa:w10	r any diff-take medications
R10MONEYA	r10moneya:w10	r any diff-managing money
R10PHONEA	r10phonea:w10	r any diff-use telephone
R10SHOPA	r10shopa:w10	r any diff-shop for grocery
R10TOILTA	r10toilta:w10	r any diff-using the toilet
R10WALKRA	r10walkra:w10	r any diff-walk across room
R11BATHA	r11batha:w11	r any diff-bathing, shower
R11BEDA	r11beda:w11	r any diff-get in/out bed
R11DRESSA	r11dressa:w11	r any diff-dressing
R11EATA	r11eata:w11	r any diff-eating
R11MEALSA	r11mealsa:w11	r any diff-prepare hot meal
R11MEDSA	r11medsa:w11	r any diff-take medications
R11MONEYA	r11moneya:w11	r any diff-managing money
R11PHONEA	r11phonea:w11	r any diff-use telephone
R11SHOPA	r11shopa:w11	r any diff-shop for grocery
R11TOILTA	r11toilta:w11	r any diff-using the toilet
R11WALKRA	r11walkra:w11	r any diff-walk across room
R12BATHA	r12batha:w12	r any diff-bathing, shower
R12BEDA	r12beda:w12	r any diff-get in/out bed
R12DRESSA	r12dressa:w12	r any diff-dressing
R12EATA	r12eata:w12	r any diff-eating
R12MEALSA	r12mealsa:w12	r any diff-prepare hot meal
R12MEDSA	r12medsa:w12	r any diff-take medications
R12MONEYA	r12moneya:w12	r any diff-managing money
R12PHONEA	r12phonea:w12	r any diff-use telephone
R12SHOPA	r12shopa:w12	r any diff-shop for grocery
R12TOILTA	r12toilta:w12	r any diff-using the toilet
R12WALKRA	r12walkra:w12	r any diff-walk across room
R13BATHA	r13batha:w13	r any diff-bathing, shower
R13BEDA	r13beda:w13	r any diff-get in/out bed
R13DRESSA	r13dressa:w13	r any diff-dressing
R13EATA	r13eata:w13	r any diff-eating
R13MEALSA	r13mealsa:w13	r any diff-prepare hot meal
R13MEDSA	r13medsa:w13	r any diff-take medications
R13MONEYA	r13moneya:w13	r any diff-managing money
R13PHONEA	r13phonea:w13	r any diff-use telephone
R13SHOPA	r13shopa:w13	r any diff-shop for grocery
R13TOILTA	r13toilta:w13	r any diff-using the toilet
R13WALKRA	r13walkra:w13	r any diff-walk across room
R14BATHA	r14batha:w14	r any diff-bathing, shower
R14BEDA	r14beda:w14	r any diff-get in/out bed
R14DRESSA	r14dressa:w14	r any diff-dressing
R14EATA	r14eata:w14	r any diff-eating
R14MEALSA	r14mealsa:w14	r any diff-prepare hot meal
R14MEDSA	r14medsa:w14	r any diff-take medications
R14MONEYA	r14moneya:w14	r any diff-managing money
R14PHONEA	r14phonea:w14	r any diff-use telephone
R14SHOPA	r14shopa:w14	r any diff-shop for grocery
R14TOILTA	r14toilta:w14	r any diff-using the toilet
R14WALKRA	r14walkra:w14	r any diff-walk across room
R15BATHA	r15batha:w15	r any diff-bathing, shower

R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15MEALSA r15mealsa:w15 r any diff-prepare hot meal  
R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
R5MEDSA r5medsa:w5 r any diff-take medications  
R5MONEYA r5moneya:w5 r any diff-managing money  
R5PHONEA r5phonea:w5 r any diff-use telephone  
R5SHOPA r5shopa:w5 r any diff-shop for grocery  
R5TOILTA r5toilta:w5 r any diff-using the toilet  
R5WALKRA r5walkra:w5 r any diff-walk across room  
R6BATHA r6batha:w6 r any diff-bathing, shower  
R6BEDA r6beda:w6 r any diff-get in/out bed  
R6DRESSA r6dressa:w6 r any diff-dressing  
R6EATA r6eata:w6 r any diff-eating  
R6MEALSA r6mealsa:w6 r any diff-prepare hot meal  
R6MEDSA r6medsa:w6 r any diff-take medications  
R6MONEYA r6moneya:w6 r any diff-managing money  
R6PHONEA r6phonea:w6 r any diff-use telephone  
R6SHOPA r6shopa:w6 r any diff-shop for grocery  
R6TOILTA r6toilta:w6 r any diff-using the toilet  
R6WALKRA r6walkra:w6 r any diff-walk across room  
R7BATHA r7batha:w7 r any diff-bathing, shower  
R7BEDA r7beda:w7 r any diff-get in/out bed  
R7DRESSA r7dressa:w7 r any diff-dressing  
R7EATA r7eata:w7 r any diff-eating  
R7MEALSA r7mealsa:w7 r any diff-prepare hot meal  
R7MEDSA r7medsa:w7 r any diff-take medications  
R7MONEYA r7moneya:w7 r any diff-managing money  
R7PHONEA r7phonea:w7 r any diff-use telephone  
R7SHOPA r7shopa:w7 r any diff-shop for grocery



R7TOILTA	r7toilta:w7	r any diff-using the toilet
R7WALKRA	r7walkra:w7	r any diff-walk across room
R8BATHA	r8batha:w8	r any diff-bathing, shower
R8BEDA	r8beda:w8	r any diff-get in/out bed
R8DRESSA	r8dressa:w8	r any diff-dressing
R8EATA	r8eata:w8	r any diff-eating
R8MEALSA	r8mealsa:w8	r any diff-prepare hot meal
R8MEDSA	r8medsa:w8	r any diff-take medications
R8MONEYA	r8moneya:w8	r any diff-managing money
R8PHONEA	r8phonea:w8	r any diff-use telephone
R8SHOPA	r8shopa:w8	r any diff-shop for grocery
R8TOILTA	r8toilta:w8	r any diff-using the toilet
R8WALKRA	r8walkra:w8	r any diff-walk across room
R9BATHA	r9batha:w9	r any diff-bathing, shower
R9BEDA	r9beda:w9	r any diff-get in/out bed
R9DRESSA	r9dressa:w9	r any diff-dressing
R9EATA	r9eata:w9	r any diff-eating
R9MEALSA	r9mealsa:w9	r any diff-prepare hot meal
R9MEDSA	r9medsa:w9	r any diff-take medications
R9MONEYA	r9moneya:w9	r any diff-managing money
R9PHONEA	r9phonea:w9	r any diff-use telephone
R9SHOPA	r9shopa:w9	r any diff-shop for grocery
R9TOILTA	r9toilta:w9	r any diff-using the toilet
R9WALKRA	r9walkra:w9	r any diff-walk across room

## Wave 2 AHEAD:

B768	e33.	adl walk help ever
B773	e33e.	walk any difficulty
B775	e34.	walk who helps
B779	e35.	adl dress help ever
B781	e35b.	dress any difficulty
B783	e36.	dress who helps
B787	e37.	adl bathe help ever
B789	e37b.	bathe any difficulty
B791	e38.	bathe who helps
B795	e39.	adl eat get help ever
B797	e39b.	eat difficulty
B799	e40.	eat who helps
B803	e41.	adl in/out bed help ever
B805	e42.	in/out bed-who helps
B811	e43c.	bed any difficulty
B814	e44.	adl toilet help ever
B816	e44b.	toilet any difficulty
B823	e45.	toilet who helps
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
B913	e54.	iadls-who helps most often
B924	e55a.	iadls who other helper
B948	e57.	iadl money
B950	e58.	money who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R

## Wave 2 AHEAD HHLIST:

OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN_INHH	hrs w2: # in hhold (r1/r2 only)
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## Wave 3 AHEAD:

D1870 adlck.ckpt for skipping adl series  
 D1877 e72f.adl walk help  
 D1887 e73f.adl dress help  
 D1897 e74f.adl bathe help  
 D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7  
 D2024 e95c.iadl meals help  
 D2029 e96c.iadl groc help  
 D2034 e97c.iadl phone help  
 D2039 e98c.iadl med help  
 D2041 e99.iadls-who help,1  
 D2050 e100.iadls-who help,2  
 D2055 e101.iadls-who help,3  
 D2061 e102.iadls-who help,4  
 D2067 e103.iadls-who help,5  
 D2073 e104.iadls-who help,6  
 D2102 e106c.iadl money who help,1  
 D2107 e107. money help-1  
 D2115 e107c.iadl money who help,2  
 D2121 e108. money helper-2

## Wave 3 AHEAD Helper:

D2135A HELPER RELATIONSHIP COMBINED SOURCE

## Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
 E1901 e72f.adl walk help  
 E1911 e73f.adl dress help  
 E1921 e74f.adl bathe help  
 E1931 e75f.adl eat help  
 E1944 e76f.adl bed help  
 E1954 e77f.adl toilet help  
 E1976 e83.who help-11  
 E1990 e84.who help-2  
 E1999 e85.who help-3  
 E2003 e86.who help-4  
 E2007 e87.who help-5  
 E2011 e88.who help-6  
 E2015 e89.who help-7  
 E2039 e95c.iadl meals help  
 E2044 e96c.iadl groc help  
 E2049 e97c.iadl phone help  
 E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

## Wave 3 HRS Helper:

E2120A HELPER RELATIONSHIP COMBINED SOURCE

## Wave 4:

F2426 e73f.adl dress help

F2431 e72.adl walk help  
 F2447 e74f.adl bathe help  
 F2457 e75f.adl eat help  
 F2470 e76f.adl bed help  
 F2480 e77f.adl toilet help  
 F2502 e83.who help-11  
 F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help  
 F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help  
 F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4  
 F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6  
 F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

F2639A HELPER RELATIONSHIP COMBINED SOURCE

## Wave 5:

G2724 e73f.adl dress help  
 G2729 e72y1.adl walk help  
 G2745 e74f.adl bathe help  
 G2755 e75f.adl eat help  
 G2768 e76f.adl bed help  
 G2778 e77f.adl toilet help  
 G2800 e83.who help-11  
 G2814 e84.who help-2  
 G2823 e85.who help-3  
 G2827 e86.who help-4  
 G2831 e87.who help-5  
 G2835 e88.who help-6  
 G2839 e89.who help-7  
 G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help  
 G2873 e97c.iadl phone help  
 G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2

G2923 e108. money helper-2  
G558 cs11.r in nursing home

Wave 5 Helper:  
G2947A HELPER RELATIONSHIP COMBINED SOURCE

Wave 6:

HA028 r in nursing home  
HG013 chkpnt: count of hg001 through hg012  
HG015 help w/dress  
HG020 adl walk help  
HG022 adl bathe help  
HG024 adl eat help  
HG029 adl bed help  
HG031 adl toilet help  
HG032\_1 who helps most- adl- 1  
HG032\_2 who helps- adl- 2  
HG032\_3 who helps- adl- 3  
HG032\_4 who helps- adl- 4  
HG032\_5 who helps- adl- 5  
HG032\_6 who helps- adl- 6  
HG032\_7 who helps- adl- 7  
HG043 iadl meal preparation help  
HG046 iadl groc shop help  
HG049 iadl making phone calls help  
HG053 iadl taking medications help  
HG054\_1 iadls- who helps most-1  
HG054\_2 iadls- who helps- 2  
HG054\_3 iadls- who helps- 3  
HG054\_4 iadls- who helps- 4  
HG054\_5 iadls- who helps- 5  
HG054\_6 iadls- who helps- 6  
HG061 iadl managing money help  
HG062\_1 who helps manage money-1  
HG062\_2 who helps manage money-2

Wave 6 Helper:  
HADLNDX adl helper index  
HG069 helper relationship  
HIADLNDX iadl helper index  
HMNYNDX money helper index

Wave 7:

JA028 r in nursing home  
JG013 chkpnt: count of jg001 through jg012  
JG015 help w/dress  
JG020 adl walk help  
JG022 adl bathe help  
JG024 adl eat help  
JG029 adl bed help  
JG031 adl toilet help  
JG032\_1 who helps most- adl- 1  
JG032\_2 who helps- adl- 2  
JG032\_3 who helps- adl- 3  
JG032\_4 who helps- adl- 4  
JG032\_5 who helps- adl- 5  
JG032\_6 who helps- adl- 6  
JG032\_7 who helps- adl- 7  
JG043 iadl meal preparation help  
JG046 iadl groc shop help  
JG049 iadl making phone calls help  
JG053 iadl taking medications help  
JG054\_1 iadls- who helps most-1  
JG054\_2 iadls- who helps- 2  
JG054\_3 iadls- who helps- 3  
JG054\_4 iadls- who helps- 4  
JG054\_5 iadls- who helps- 5

JG054\_6 iadls- who helps- 6  
JG061 iadl managing money help  
JG062\_1 who helps manage money-1  
JG062\_2 who helps manage money-2

Wave 7 Helper:  
JADLNDX index connection to the adl table  
JG069 helper relationship  
JIADLNDX index connection to the iadl table  
JMNYNDX index connection to the money table

Wave 8:  
KA028 r in nursing home  
KG013 chkpnt: count of jg001 through jg012  
KG015 help w/dress  
KG020 adl walk help  
KG022 adl bathe help  
KG024 adl eat help  
KG029 adl bed help  
KG031 adl toilet help  
KG032\_1 who helps most- adl- 1  
KG032\_2 who helps- adl- 2  
KG032\_3 who helps- adl- 3  
KG032\_4 who helps- adl- 4  
KG032\_5 who helps- adl- 5  
KG032\_6 who helps- adl- 6  
KG032\_7 who helps- adl- 7  
KG043 iadl meal preparation help  
KG046 iadl groc shop help  
KG049 iadl making phone calls help  
KG053 iadl taking medications help  
KG054\_1 iadls- who helps most-1  
KG054\_2 iadls- who helps- 2  
KG054\_3 iadls- who helps- 3  
KG054\_4 iadls- who helps- 4  
KG054\_5 iadls- who helps- 5  
KG054\_6 iadls- who helps- 6  
KG061 iadl managing money help  
KG062\_1 who helps manage money-1  
KG062\_2 who helps manage money-2

Wave 8 Helper:  
KADLNDX index connection to the adl table  
KG069 helper relationship  
KIADLNDX index connection to the iadl table  
KMNYNDX index connection to the money table

Wave 9:  
LA028 r in nursing home  
LG013 chkpnt: count of lg001 through lg012  
LG015 help w/dress  
LG020 adl walk help  
LG022 adl bathe help  
LG024 adl eat help  
LG029 adl bed help  
LG031 adl toilet help  
LG032\_1 who helps most- adl- 1  
LG032\_2 who helps- adl- 2  
LG032\_3 who helps- adl- 3  
LG032\_4 who helps- adl- 4  
LG032\_5 who helps- adl- 5  
LG032\_6 who helps- adl- 6  
LG032\_7 who helps- adl- 7  
LG043 iadl meal preparation help  
LG046 iadl groc shop help  
LG049 iadl making phone calls help  
LG053 iadl taking medications help

LG054\_1 iadls- who helps most-1  
LG054\_2 iadls- who helps- 2  
LG054\_3 iadls- who helps- 3  
LG054\_4 iadls- who helps- 4  
LG054\_5 iadls- who helps- 5  
LG054\_6 iadls- who helps- 6  
LG061 iadl managing money help  
LG062\_1 who helps manage money-1  
LG062\_2 who helps manage money-2

Wave 9 Helper:  
LADLNDX index connection to the adl table  
LG069 helper relationship  
LIADLNDX index connection to the iadl table  
LMNYNDX index connection to the money table

Wave 10:  
MA028 r in nursing home  
MG013 chkpnt: count of mg001 through mg012  
MG015 help w/dress  
MG020 adl walk help  
MG022 adl bathe help  
MG024 adl eat help  
MG029 adl bed help  
MG031 adl toilet help  
MG032\_1 who helps most- adl- 1  
MG032\_2 who helps- adl- 2  
MG032\_3 who helps- adl- 3  
MG032\_4 who helps- adl- 4  
MG032\_5 who helps- adl- 5  
MG032\_6 who helps- adl- 6  
MG032\_7 who helps- adl- 7  
MG043 iadl meal preparation help  
MG046 iadl groc shop help  
MG049 iadl making phone calls help  
MG053 iadl taking medications help  
MG054\_1 iadls- who helps -1  
MG054\_2 iadls- who helps- 2  
MG054\_3 iadls- who helps- 3  
MG054\_4 iadls- who helps- 4  
MG054\_5 iadls- who helps- 5  
MG054\_6 iadls- who helps- 6  
MG061 iadl managing money help  
MG062\_1 who helps manage money-1  
MG062\_2 who helps manage money-2

Wave 10 Helper:  
MADLNDX index connection to the adl table  
MG069 helper relationship -1  
MIADLNDX index connection to the iadl table  
MMNYNDX index connection to the money table

Wave 11:  
NA028 r in nursing home  
NG013 chkpnt: count of ng001 through ng012  
NG015 help w/dress  
NG020 adl walk help  
NG022 adl bathe help  
NG024 adl eat help  
NG029 adl bed help  
NG031 adl toilet help  
NG032\_1 who helps most- adl- 1  
NG032\_2 who helps- adl- 2  
NG032\_3 who helps- adl- 3  
NG032\_4 who helps- adl- 4  
NG032\_5 who helps- adl- 5  
NG032\_6 who helps- adl- 6

NG032_7	who helps- adl- 7
NG043	iadl meal preparation help
NG046	iadl groc shop help
NG049	iadl making phone calls help
NG053	iadl taking medications help
NG054_1	iadls- who helps -1
NG054_2	iadls- who helps- 2
NG054_3	iadls- who helps- 3
NG054_4	iadls- who helps- 4
NG054_5	iadls- who helps- 5
NG054_6	iadls- who helps- 6
NG061	iadl managing money help
NG062_1	who helps manage money-1
NG062_2	who helps manage money-2
Wave 11 Helper:	
NADLNDX	index connection to the adl table
NG069	helper relationship
NIADLNDX	index connection to the iadl table
NMNYNDX	index connection to the money table
Wave 12:	
OA028	r in nursing home
OG013	chkpnt: count of g001 through g012
OG015	help w/dress
OG020	adl walk help
OG022	adl bathe help
OG024	adl eat help
OG029	adl bed help
OG031	adl toilet help
OG032_1	who helps most- adl- 1
OG032_2	who helps- adl- 2
OG032_3	who helps- adl- 3
OG032_4	who helps- adl- 4
OG032_5	who helps- adl- 5
OG032_6	who helps- adl- 6
OG032_7	who helps- adl- 7
OG043	iadl meal preparation help
OG046	iadl groc shop help
OG049	iadl making phone calls help
OG053	iadl taking medications help
OG054_1	iadls- who helps -1
OG054_2	iadls- who helps- 2
OG054_3	iadls- who helps- 3
OG054_4	iadls- who helps- 4
OG054_5	iadls- who helps- 5
OG054_6	iadls- who helps- 6
OG061	iadl managing money help
OG062_1	who helps manage money-1
OG062_2	who helps manage money-2
Wave 12 Helper:	
OADLNDX	index connection to the adl table
OG069	helper relationship
OIADLNDX	index connection to the iadl table
OMNYNDX	index connection to the money table
Wave 13:	
PA028	r in nursing home
PG013	chkpnt: count of g001 through g012
PG015	help w/dress
PG020	adl walk help
PG022	adl bathe help
PG024	adl eat help
PG029	adl bed help
PG031	adl toilet help
PG032_1	who helps most- adl- 1

PG032\_2 who helps- adl- 2  
 PG032\_3 who helps- adl- 3  
 PG032\_4 who helps- adl- 4  
 PG032\_5 who helps- adl- 5  
 PG032\_6 who helps- adl- 6  
 PG032\_7 who helps- adl- 7  
 PG043 iadl meal preparation help  
 PG046 iadl groc shop help  
 PG049 iadl making phone calls help  
 PG053 iadl taking medications help  
 PG054\_1 iadls- who helps -1  
 PG054\_2 iadls- who helps- 2  
 PG054\_3 iadls- who helps- 3  
 PG054\_4 iadls- who helps- 4  
 PG054\_5 iadls- who helps- 5  
 PG054\_6 iadls- who helps- 6  
 PG061 iadl managing money help  
 PG062\_1 who helps manage money-1  
 PG062\_2 who helps manage money-2

## Wave 13 Helper:

PADLNDX index connection to the adl table  
 PG069 helper relationship  
 PIADLNDX index connection to the iadl table  
 PMNYNDX index connection to the money table

## Wave 14:

QA028 r in nursing home  
 QG013 chkpnt: count of g001 through g012  
 QG015 help w/dress  
 QG020 adl walk help  
 QG022 adl bathe help  
 QG024 adl eat help  
 QG029 adl bed help  
 QG031 adl toilet help  
 QG032\_1 who helps most- adl- 1  
 QG032\_2 who helps- adl- 2  
 QG032\_3 who helps- adl- 3  
 QG032\_4 who helps- adl- 4  
 QG032\_5 who helps- adl- 5  
 QG032\_6 who helps- adl- 6  
 QG032\_7 who helps- adl- 7  
 QG043 iadl meal preparation help  
 QG046 iadl groc shop help  
 QG049 iadl making phone calls help  
 QG053 iadl taking medications help  
 QG054\_1 iadls- who helps -1  
 QG054\_2 iadls- who helps- 2  
 QG054\_3 iadls- who helps- 3  
 QG054\_4 iadls- who helps- 4  
 QG054\_5 iadls- who helps- 5  
 QG054\_6 iadls- who helps- 6  
 QG061 iadl managing money help  
 QG062\_1 who helps manage money-1  
 QG062\_2 who helps manage money-2

## Wave 14 Helper:

QADLNDX INDEX CONNECTION TO THE ADL TABLE  
 QG069 HELPER RELATIONSHIP  
 QIADLNDX INDEX CONNECTION TO THE IADL TABLE  
 QMNYNDX INDEX CONNECTION TO THE MONEY TABLE

## Wave 15:

RA028 r in nursing home  
 RG013 chkpnt: count of g001 through g012  
 RG015 help w/dress  
 RG020 adl walk help



RG022	adl bathe help
RG024	adl eat help
RG029	adl bed help
RG031	adl toilet help
RG032_1	who helps most- adl- 1
RG032_2	who helps- adl- 2
RG032_3	who helps- adl- 3
RG032_4	who helps- adl- 4
RG032_5	who helps- adl- 5
RG032_6	who helps- adl- 6
RG032_7	who helps- adl- 7
RG043	iadl meal preparation help
RG046	iadl groc shop help
RG049	iadl making phone calls help
RG053	iadl taking medications help
RG054_1	iadls- who helps -1
RG054_2	iadls- who helps- 2
RG054_3	iadls- who helps- 3
RG054_4	iadls- who helps- 4
RG054_5	iadls- who helps- 5
RG054_6	iadls- who helps- 6
RG061	iadl managing money help
RG062_1	who helps manage money-1
RG062_2	who helps manage money-2

## Wave 15 Helper:

RADLNDX	INDEX CONNECTION TO THE ADL TABLE
RG069	HELPER RELATIONSHIP
RIADLNDX	INDEX CONNECTION TO THE IADL TABLE
RMNYNDX	INDEX CONNECTION TO THE MONEY TABLE

<b>Activities of Daily Living and Instrumental Activities of Daily Living: Receives Informal Care from Spouse</b>
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Wave	Variable	Label	Type
02	R2RSCARE	r2rscare:w2 r receives informal care from spouse for adls/ia	Categ
03	R3RSCARE	r3rscare:w3 r receives informal care from spouse for adls/ia	Categ
04	R4RSCARE	r4rscare:w4 r receives informal care from spouse for adls/ia	Categ
05	R5RSCARE	r5rscare:w5 r receives informal care from spouse for adls/ia	Categ
06	R6RSCARE	r6rscare:w6 r receives informal care from spouse for adls/ia	Categ
07	R7RSCARE	r7rscare:w7 r receives informal care from spouse for adls/ia	Categ
08	R8RSCARE	r8rscare:w8 r receives informal care from spouse for adls/ia	Categ
09	R9RSCARE	r9rscare:w9 r receives informal care from spouse for adls/ia	Categ
10	R10RSCARE	r10rscare:w10 r receives informal care from spouse for adls/	Categ
11	R11RSCARE	r11rscare:w11 r receives informal care from spouse for adls/	Categ
12	R12RSCARE	r12rscare:w12 r receives informal care from spouse for adls/	Categ
13	R13RSCARE	r13rscare:w13 r receives informal care from spouse for adls/	Categ
14	R14RSCARE	r14rscare:w14 r receives informal care from spouse for adls/	Categ
15	R15RSCARE	r15rscare:w15 r receives informal care from spouse for adls/	Categ
02	S2RSCARE	s2rscare:w2 s receives informal care from spouse for adls/ia	Categ
03	S3RSCARE	s3rscare:w3 s receives informal care from spouse for adls/ia	Categ
04	S4RSCARE	s4rscare:w4 s receives informal care from spouse for adls/ia	Categ
05	S5RSCARE	s5rscare:w5 s receives informal care from spouse for adls/ia	Categ
06	S6RSCARE	s6rscare:w6 s receives informal care from spouse for adls/ia	Categ
07	S7RSCARE	s7rscare:w7 s receives informal care from spouse for adls/ia	Categ
08	S8RSCARE	s8rscare:w8 s receives informal care from spouse for adls/ia	Categ
09	S9RSCARE	s9rscare:w9 s receives informal care from spouse for adls/ia	Categ
10	S10RSCARE	s10rscare:w10 s receives informal care from spouse for adls/	Categ
11	S11RSCARE	s11rscare:w11 s receives informal care from spouse for adls/	Categ
12	S12RSCARE	s12rscare:w12 s receives informal care from spouse for adls/	Categ
13	S13RSCARE	s13rscare:w13 s receives informal care from spouse for adls/	Categ
14	S14RSCARE	s14rscare:w14 s receives informal care from spouse for adls/	Categ
15	S15RSCARE	s15rscare:w15 s receives informal care from spouse for adls/	Categ
02	R2RSCAREN	r2rscaren:w2 # spouses who help r with adls/iadls	Cont
05	R5RSCAREN	r5rscaren:w5 # spouses who help r with adls/iadls	Cont
06	R6RSCAREN	r6rscaren:w6 # spouses who help r with adls/iadls	Cont
07	R7RSCAREN	r7rscaren:w7 # spouses who help r with adls/iadls	Cont
08	R8RSCAREN	r8rscaren:w8 # spouses who help r with adls/iadls	Cont
09	R9RSCAREN	r9rscaren:w9 # spouses who help r with adls/iadls	Cont
10	R10RSCAREN	r10rscaren:w10 # spouses who help r with adls/iadls	Cont
11	R11RSCAREN	r11rscaren:w11 # spouses who help r with adls/iadls	Cont
12	R12RSCAREN	r12rscaren:w12 # spouses who help r with adls/iadls	Cont
13	R13RSCAREN	r13rscaren:w13 # spouses who help r with adls/iadls	Cont
14	R14RSCAREN	r14rscaren:w14 # spouses who help r with adls/iadls	Cont
15	R15RSCAREN	r15rscaren:w15 # spouses who help r with adls/iadls	Cont
02	S2RSCAREN	s2rscaren:w2 # spouses who help s with adls/iadls	Cont
05	S5RSCAREN	s5rscaren:w5 # spouses who help s with adls/iadls	Cont
06	S6RSCAREN	s6rscaren:w6 # spouses who help s with adls/iadls	Cont
07	S7RSCAREN	s7rscaren:w7 # spouses who help s with adls/iadls	Cont
08	S8RSCAREN	s8rscaren:w8 # spouses who help s with adls/iadls	Cont
09	S9RSCAREN	s9rscaren:w9 # spouses who help s with adls/iadls	Cont
10	S10RSCAREN	s10rscaren:w10 # spouses who help s with adls/iadls	Cont
11	S11RSCAREN	s11rscaren:w11 # spouses who help s with adls/iadls	Cont
12	S12RSCAREN	s12rscaren:w12 # spouses who help s with adls/iadls	Cont
13	S13RSCAREN	s13rscaren:w13 # spouses who help s with adls/iadls	Cont
14	S14RSCAREN	s14rscaren:w14 # spouses who help s with adls/iadls	Cont
15	S15RSCAREN	s15rscaren:w15 # spouses who help s with adls/iadls	Cont
05	R5RSCAREDPM	r5rscaredpm:w5 days/month spouse helps r with adls/iadls	Cont

06	R6RSCAREDPM	r6rscaredpm:w6 days/month spouse helps r with adls/iadls	Cont
07	R7RSCAREDPM	r7rscaredpm:w7 days/month spouse helps r with adls/iadls	Cont
08	R8RSCAREDPM	r8rscaredpm:w8 days/month spouse helps r with adls/iadls	Cont
09	R9RSCAREDPM	r9rscaredpm:w9 days/month spouse helps r with adls/iadls	Cont
10	R10RSCAREDPM	r10rscaredpm:w10 days/month spouse helps r with adls/iadls	Cont
11	R11RSCAREDPM	r11rscaredpm:w11 days/month spouse helps r with adls/iadls	Cont
12	R12RSCAREDPM	r12rscaredpm:w12 days/month spouse helps r with adls/iadls	Cont
13	R13RSCAREDPM	r13rscaredpm:w13 days/month spouse helps r with adls/iadls	Cont
14	R14RSCAREDPM	r14rscaredpm:w14 days/month spouse helps r with adls/iadls	Cont
15	R15RSCAREDPM	r15rscaredpm:w15 days/month spouse helps r with adls/iadls	Cont
05	S5RSCAREDPM	s5rscaredpm:w5 days/month spouse helps s with adls/iadls	Cont
06	S6RSCAREDPM	s6rscaredpm:w6 days/month spouse helps s with adls/iadls	Cont
07	S7RSCAREDPM	s7rscaredpm:w7 days/month spouse helps s with adls/iadls	Cont
08	S8RSCAREDPM	s8rscaredpm:w8 days/month spouse helps s with adls/iadls	Cont
09	S9RSCAREDPM	s9rscaredpm:w9 days/month spouse helps s with adls/iadls	Cont
10	S10RSCAREDPM	s10rscaredpm:w10 days/month spouse helps s with adls/iadls	Cont
11	S11RSCAREDPM	s11rscaredpm:w11 days/month spouse helps s with adls/iadls	Cont
12	S12RSCAREDPM	s12rscaredpm:w12 days/month spouse helps s with adls/iadls	Cont
13	S13RSCAREDPM	s13rscaredpm:w13 days/month spouse helps s with adls/iadls	Cont
14	S14RSCAREDPM	s14rscaredpm:w14 days/month spouse helps s with adls/iadls	Cont
15	S15RSCAREDPM	s15rscaredpm:w15 days/month spouse helps s with adls/iadls	Cont
05	R5RSCAREDPMM	r5rscaredpmm:w5 r spouse missing days of help for adls/iadls	Cont
06	R6RSCAREDPMM	r6rscaredpmm:w6 r spouse missing days of help for adls/iadls	Cont
07	R7RSCAREDPMM	r7rscaredpmm:w7 r spouse missing days of help for adls/iadls	Cont
08	R8RSCAREDPMM	r8rscaredpmm:w8 r spouse missing days of help for adls/iadls	Cont
09	R9RSCAREDPMM	r9rscaredpmm:w9 r spouse missing days of help for adls/iadls	Cont
10	R10RSCAREDPMM	r10rscaredpmm:w10 r spouse missing days of help for adls/iad	Cont
11	R11RSCAREDPMM	r11rscaredpmm:w11 r spouse missing days of help for adls/iad	Cont
12	R12RSCAREDPMM	r12rscaredpmm:w12 r spouse missing days of help for adls/iad	Cont
13	R13RSCAREDPMM	r13rscaredpmm:w13 r spouse missing days of help for adls/iad	Cont
14	R14RSCAREDPMM	r14rscaredpmm:w14 r spouse missing days of help for adls/iad	Cont
15	R15RSCAREDPMM	r15rscaredpmm:w15 r spouse missing days of help for adls/iad	Cont
05	S5RSCAREDPMM	s5rscaredpmm:w5 s spouse missing days of help for adls/iadls	Cont
06	S6RSCAREDPMM	s6rscaredpmm:w6 s spouse missing days of help for adls/iadls	Cont
07	S7RSCAREDPMM	s7rscaredpmm:w7 s spouse missing days of help for adls/iadls	Cont
08	S8RSCAREDPMM	s8rscaredpmm:w8 s spouse missing days of help for adls/iadls	Cont
09	S9RSCAREDPMM	s9rscaredpmm:w9 s spouse missing days of help for adls/iadls	Cont
10	S10RSCAREDPMM	s10rscaredpmm:w10 s spouse missing days of help for adls/iad	Cont
11	S11RSCAREDPMM	s11rscaredpmm:w11 s spouse missing days of help for adls/iad	Cont
12	S12RSCAREDPMM	s12rscaredpmm:w12 s spouse missing days of help for adls/iad	Cont
13	S13RSCAREDPMM	s13rscaredpmm:w13 s spouse missing days of help for adls/iad	Cont
14	S14RSCAREDPMM	s14rscaredpmm:w14 s spouse missing days of help for adls/iad	Cont
15	S15RSCAREDPMM	s15rscaredpmm:w15 s spouse missing days of help for adls/iad	Cont
02	R2RSCAREHR	r2rscarehr:w2 hours/day spouse helps r with adls/iadls	Cont
05	R5RSCAREHR	r5rscarehr:w5 hours/day spouse helps r with adls/iadls	Cont
06	R6RSCAREHR	r6rscarehr:w6 hours/day spouse helps r with adls/iadls	Cont
07	R7RSCAREHR	r7rscarehr:w7 hours/day spouse helps r with adls/iadls	Cont
08	R8RSCAREHR	r8rscarehr:w8 hours/day spouse helps r with adls/iadls	Cont
09	R9RSCAREHR	r9rscarehr:w9 hours/day spouse helps r with adls/iadls	Cont
10	R10RSCAREHR	r10rscarehr:w10 hours/day spouse helps r with adls/iadls	Cont
11	R11RSCAREHR	r11rscarehr:w11 hours/day spouse helps r with adls/iadls	Cont
12	R12RSCAREHR	r12rscarehr:w12 hours/day spouse helps r with adls/iadls	Cont
13	R13RSCAREHR	r13rscarehr:w13 hours/day spouse helps r with adls/iadls	Cont
14	R14RSCAREHR	r14rscarehr:w14 hours/day spouse helps r with adls/iadls	Cont
15	R15RSCAREHR	r15rscarehr:w15 hours/day spouse helps r with adls/iadls	Cont
02	S2RSCAREHR	s2rscarehr:w2 hours/day spouse helps s with adls/iadls	Cont
05	S5RSCAREHR	s5rscarehr:w5 hours/day spouse helps s with adls/iadls	Cont
06	S6RSCAREHR	s6rscarehr:w6 hours/day spouse helps s with adls/iadls	Cont

07	S7RSCAREHR	s7rscarehr:w7 hours/day spouse helps s with adls/iadls	Cont
08	S8RSCAREHR	s8rscarehr:w8 hours/day spouse helps s with adls/iadls	Cont
09	S9RSCAREHR	s9rscarehr:w9 hours/day spouse helps s with adls/iadls	Cont
10	S10RSCAREHR	s10rscarehr:w10 hours/day spouse helps s with adls/iadls	Cont
11	S11RSCAREHR	s11rscarehr:w11 hours/day spouse helps s with adls/iadls	Cont
12	S12RSCAREHR	s12rscarehr:w12 hours/day spouse helps s with adls/iadls	Cont
13	S13RSCAREHR	s13rscarehr:w13 hours/day spouse helps s with adls/iadls	Cont
14	S14RSCAREHR	s14rscarehr:w14 hours/day spouse helps s with adls/iadls	Cont
15	S15RSCAREHR	s15rscarehr:w15 hours/day spouse helps s with adls/iadls	Cont
02	R2RSCAREHRM	r2rscarehrm:w2 r spouse missing hours of help for adls/iadls	Cont
05	R5RSCAREHRM	r5rscarehrm:w5 r spouse missing hours of help for adls/iadls	Cont
06	R6RSCAREHRM	r6rscarehrm:w6 r spouse missing hours of help for adls/iadls	Cont
07	R7RSCAREHRM	r7rscarehrm:w7 r spouse missing hours of help for adls/iadls	Cont
08	R8RSCAREHRM	r8rscarehrm:w8 r spouse missing hours of help for adls/iadls	Cont
09	R9RSCAREHRM	r9rscarehrm:w9 r spouse missing hours of help for adls/iadls	Cont
10	R10RSCAREHRM	r10rscarehrm:w10 r spouse missing hours of help for adls/iad	Cont
11	R11RSCAREHRM	r11rscarehrm:w11 r spouse missing hours of help for adls/iad	Cont
12	R12RSCAREHRM	r12rscarehrm:w12 r spouse missing hours of help for adls/iad	Cont
13	R13RSCAREHRM	r13rscarehrm:w13 r spouse missing hours of help for adls/iad	Cont
14	R14RSCAREHRM	r14rscarehrm:w14 r spouse missing hours of help for adls/iad	Cont
15	R15RSCAREHRM	r15rscarehrm:w15 r spouse missing hours of help for adls/iad	Cont
02	S2RSCAREHRM	s2rscarehrm:w2 s spouse missing hours of help for adls/iadls	Cont
05	S5RSCAREHRM	s5rscarehrm:w5 s spouse missing hours of help for adls/iadls	Cont
06	S6RSCAREHRM	s6rscarehrm:w6 s spouse missing hours of help for adls/iadls	Cont
07	S7RSCAREHRM	s7rscarehrm:w7 s spouse missing hours of help for adls/iadls	Cont
08	S8RSCAREHRM	s8rscarehrm:w8 s spouse missing hours of help for adls/iadls	Cont
09	S9RSCAREHRM	s9rscarehrm:w9 s spouse missing hours of help for adls/iadls	Cont
10	S10RSCAREHRM	s10rscarehrm:w10 s spouse missing hours of help for adls/iad	Cont
11	S11RSCAREHRM	s11rscarehrm:w11 s spouse missing hours of help for adls/iad	Cont
12	S12RSCAREHRM	s12rscarehrm:w12 s spouse missing hours of help for adls/iad	Cont
13	S13RSCAREHRM	s13rscarehrm:w13 s spouse missing hours of help for adls/iad	Cont
14	S14RSCAREHRM	s14rscarehrm:w14 s spouse missing hours of help for adls/iad	Cont
15	S15RSCAREHRM	s15rscarehrm:w15 s spouse missing hours of help for adls/iad	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RSCARE	2274	0.41	0.49	0.00	1.00
R3RSCARE	2656	0.44	0.50	0.00	1.00
R4RSCARE	3040	0.43	0.50	0.00	1.00
R5RSCARE	2787	0.43	0.49	0.00	1.00
R6RSCARE	2775	0.41	0.49	0.00	1.00
R7RSCARE	2958	0.42	0.49	0.00	1.00
R8RSCARE	2881	0.43	0.50	0.00	1.00
R9RSCARE	2704	0.40	0.49	0.00	1.00
R10RSCARE	3563	0.45	0.50	0.00	1.00
R11RSCARE	3349	0.43	0.50	0.00	1.00
R12RSCARE	3238	0.44	0.50	0.00	1.00
R13RSCARE	3335	0.42	0.49	0.00	1.00
R14RSCARE	2673	0.43	0.50	0.00	1.00
R15RSCARE	2280	0.41	0.49	0.00	1.00
S2RSCARE	1097	0.84	0.36	0.00	1.00
S3RSCARE	1320	0.86	0.35	0.00	1.00
S4RSCARE	1501	0.85	0.35	0.00	1.00
S5RSCARE	1367	0.86	0.35	0.00	1.00
S6RSCARE	1287	0.87	0.34	0.00	1.00
S7RSCARE	1424	0.86	0.35	0.00	1.00
S8RSCARE	1381	0.88	0.32	0.00	1.00
S9RSCARE	1221	0.87	0.33	0.00	1.00

S10RSCARE	1743	0.87	0.33	0.00	1.00
S11RSCARE	1601	0.87	0.34	0.00	1.00
S12RSCARE	1539	0.87	0.33	0.00	1.00
S13RSCARE	1514	0.85	0.35	0.00	1.00
S14RSCARE	1216	0.86	0.34	0.00	1.00
S15RSCARE	979	0.85	0.36	0.00	1.00
R2RSCAREN	2274	0.41	0.49	0.00	1.00
R5RSCAREN	2787	0.43	0.49	0.00	1.00
R6RSCAREN	2775	0.41	0.49	0.00	1.00
R7RSCAREN	2958	0.42	0.49	0.00	1.00
R8RSCAREN	2881	0.43	0.50	0.00	1.00
R9RSCAREN	2704	0.40	0.49	0.00	1.00
R10RSCAREN	3563	0.45	0.50	0.00	1.00
R11RSCAREN	3349	0.43	0.50	0.00	1.00
R12RSCAREN	3238	0.44	0.50	0.00	2.00
R13RSCAREN	3335	0.42	0.49	0.00	1.00
R14RSCAREN	2673	0.43	0.50	0.00	1.00
R15RSCAREN	2280	0.41	0.49	0.00	2.00
S2RSCAREN	1097	0.84	0.36	0.00	1.00
S5RSCAREN	1367	0.86	0.35	0.00	1.00
S6RSCAREN	1287	0.87	0.34	0.00	1.00
S7RSCAREN	1424	0.86	0.35	0.00	1.00
S8RSCAREN	1381	0.88	0.32	0.00	1.00
S9RSCAREN	1221	0.87	0.33	0.00	1.00
S10RSCAREN	1743	0.87	0.33	0.00	1.00
S11RSCAREN	1601	0.87	0.34	0.00	1.00
S12RSCAREN	1539	0.87	0.34	0.00	2.00
S13RSCAREN	1514	0.85	0.35	0.00	1.00
S14RSCAREN	1216	0.86	0.34	0.00	1.00
S15RSCAREN	979	0.85	0.36	0.00	1.00
R5RSCAREDPM	2721	9.96	13.79	0.00	31.00
R6RSCAREDPM	2759	8.71	13.23	0.00	31.00
R7RSCAREDPM	2940	8.81	13.23	0.00	31.00
R8RSCAREDPM	2862	9.56	13.66	0.00	31.00
R9RSCAREDPM	2691	9.34	13.61	0.00	31.00
R10RSCAREDPM	3543	9.24	13.34	0.00	31.00
R11RSCAREDPM	3334	9.07	13.29	0.00	31.00
R12RSCAREDPM	3212	9.11	13.24	0.00	36.00
R13RSCAREDPM	3315	8.32	12.85	0.00	31.00
R14RSCAREDPM	2643	8.76	12.97	0.00	31.00
R15RSCAREDPM	2264	8.59	13.13	0.00	62.00
S5RSCAREDPM	1304	20.52	13.22	0.00	31.00
S6RSCAREDPM	1272	18.63	13.76	0.00	31.00
S7RSCAREDPM	1406	18.18	13.83	0.00	31.00
S8RSCAREDPM	1363	19.74	13.58	0.00	31.00
S9RSCAREDPM	1208	20.34	13.42	0.00	31.00
S10RSCAREDPM	1726	18.39	13.65	0.00	31.00
S11RSCAREDPM	1586	18.39	13.66	0.00	31.00
S12RSCAREDPM	1514	18.61	13.53	0.00	36.00
S13RSCAREDPM	1495	17.23	13.77	0.00	31.00
S14RSCAREDPM	1188	18.07	13.45	0.00	31.00
S15RSCAREDPM	963	18.34	13.76	0.00	31.00
R5RSCAREDPMM	2787	0.01	0.08	0.00	1.00
R6RSCAREDPMM	2775	0.01	0.08	0.00	1.00
R7RSCAREDPMM	2958	0.01	0.08	0.00	1.00
R8RSCAREDPMM	2881	0.01	0.08	0.00	1.00
R9RSCAREDPMM	2704	0.00	0.07	0.00	1.00
R10RSCAREDPMM	3563	0.01	0.07	0.00	1.00

R11RSCAREDPMM	3349	0.00	0.06	0.00	1.00
R12RSCAREDPMM	3238	0.01	0.08	0.00	1.00
R13RSCAREDPMM	3335	0.01	0.08	0.00	1.00
R14RSCAREDPMM	2673	0.01	0.10	0.00	1.00
R15RSCAREDPMM	2280	0.01	0.08	0.00	1.00
S5RSCAREDPMM	1367	0.01	0.12	0.00	1.00
S6RSCAREDPMM	1287	0.01	0.11	0.00	1.00
S7RSCAREDPMM	1424	0.01	0.11	0.00	1.00
S8RSCAREDPMM	1381	0.01	0.11	0.00	1.00
S9RSCAREDPMM	1221	0.01	0.10	0.00	1.00
S10RSCAREDPMM	1743	0.01	0.10	0.00	1.00
S11RSCAREDPMM	1601	0.01	0.09	0.00	1.00
S12RSCAREDPMM	1539	0.01	0.12	0.00	1.00
S13RSCAREDPMM	1514	0.01	0.11	0.00	1.00
S14RSCAREDPMM	1216	0.02	0.15	0.00	1.00
S15RSCAREDPMM	979	0.02	0.12	0.00	1.00
R2RSCAREHR	2185	1.97	4.90	0.00	24.00
R5RSCAREHR	2660	2.04	4.95	0.00	24.00
R6RSCAREHR	2643	1.98	4.97	0.00	24.00
R7RSCAREHR	2827	2.04	5.05	0.00	24.00
R8RSCAREHR	2743	1.89	4.67	0.00	24.00
R9RSCAREHR	2598	2.08	5.34	0.00	24.00
R10RSCAREHR	3417	1.84	4.41	0.00	24.00
R11RSCAREHR	3226	1.88	4.49	0.00	24.00
R12RSCAREHR	3113	1.85	4.50	0.00	24.00
R13RSCAREHR	3209	1.82	4.53	0.00	24.00
R14RSCAREHR	2567	1.92	4.53	0.00	24.00
R15RSCAREHR	2196	1.84	4.49	0.00	24.00
S2RSCAREHR	1009	4.20	6.50	0.00	24.00
S5RSCAREHR	1244	4.34	6.52	0.00	24.00
S6RSCAREHR	1158	4.42	6.62	0.00	24.00
S7RSCAREHR	1294	4.41	6.71	0.00	24.00
S8RSCAREHR	1247	4.09	6.17	0.00	24.00
S9RSCAREHR	1116	4.78	7.27	0.00	24.00
S10RSCAREHR	1604	3.77	5.72	0.00	24.00
S11RSCAREHR	1491	3.90	5.82	0.00	24.00
S12RSCAREHR	1419	3.91	5.92	0.00	24.00
S13RSCAREHR	1397	3.93	6.04	0.00	24.00
S14RSCAREHR	1115	3.97	5.88	0.00	24.00
S15RSCAREHR	902	4.06	6.00	0.00	24.00
R2RSCAREHRM	2274	0.04	0.19	0.00	1.00
R5RSCAREHRM	2787	0.03	0.17	0.00	1.00
R6RSCAREHRM	2775	0.05	0.21	0.00	1.00
R7RSCAREHRM	2958	0.04	0.21	0.00	1.00
R8RSCAREHRM	2881	0.05	0.21	0.00	1.00
R9RSCAREHRM	2704	0.04	0.19	0.00	1.00
R10RSCAREHRM	3563	0.04	0.20	0.00	1.00
R11RSCAREHRM	3349	0.04	0.19	0.00	1.00
R12RSCAREHRM	3238	0.04	0.19	0.00	1.00
R13RSCAREHRM	3335	0.04	0.19	0.00	1.00
R14RSCAREHRM	2673	0.04	0.19	0.00	1.00
R15RSCAREHRM	2280	0.04	0.19	0.00	1.00
S2RSCAREHRM	1097	0.08	0.27	0.00	1.00
S5RSCAREHRM	1367	0.06	0.23	0.00	1.00
S6RSCAREHRM	1287	0.10	0.30	0.00	1.00
S7RSCAREHRM	1424	0.09	0.29	0.00	1.00
S8RSCAREHRM	1381	0.10	0.30	0.00	1.00
S9RSCAREHRM	1221	0.09	0.28	0.00	1.00

S10RSCAREHRM	1743	0.08	0.27	0.00	1.00
S11RSCAREHRM	1601	0.07	0.25	0.00	1.00
S12RSCAREHRM	1539	0.08	0.27	0.00	1.00
S13RSCAREHRM	1514	0.08	0.27	0.00	1.00
S14RSCAREHRM	1216	0.08	0.27	0.00	1.00
S15RSCAREHRM	979	0.08	0.26	0.00	1.00

### Categorical Variable Codes

Value-----	R2RSCARE	R3RSCARE	R4RSCARE	R5RSCARE
.d:DK	25	4	3	
.f:infrequent care	65			
.h:no help received	495	1580	1804	1754
.m:Missing	2	43	28	
.q:not asked this wave	11595			
.r:Refuse			1	1
.x:no difficulties	5361	13708	16508	15036
0.no	1332	1496	1723	1594
1.yes	942	1160	1317	1193

Value-----	R6RSCARE	R7RSCARE	R8RSCARE	R9RSCARE	R10RSCARE
.d:DK	2	3		6	13
.h:no help received	1594	1671	1712	1594	1998
.m:Missing	7	10	7	2	2
.r:Refuse	3		1		3
.x:no difficulties	13784	15487	13868	12911	16455
0.no	1641	1715	1642	1616	1977
1.yes	1134	1243	1239	1088	1586

Value-----	R11RSCARE	R12RSCARE	R13RSCARE	R14RSCARE	R15RSCARE
.d:DK	22	21	20	19	28
.h:no help received	1778	1760	1925	1594	1859
.m:Missing		1		1	5
.r:Refuse	3	8	3	7	2
.x:no difficulties	15402	13719	15629	12852	11549
0.no	1895	1828	1947	1523	1351
1.yes	1454	1410	1388	1150	929

Value-----	S2RSCARE	S3RSCARE	S4RSCARE	S5RSCARE
.d:DK	6	2		
.f:infrequent care	29			
.h:no help received	199	838	956	934
.m:Missing	1	15	7	
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3018	9741	11514	10429
0.no	173	187	219	192
1.yes	924	1133	1282	1175

Value-----	S6RSCARE	S7RSCARE	S8RSCARE	S9RSCARE	S10RSCARE
.d:DK		2		1	5
.h:no help received	797	824	851	767	929
.m:Missing	3	1	1	2	
.r:Refuse	1				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	9544	10717	9495	8649	10830
0.no	170	200	164	156	219
1.yes	1117	1224	1217	1065	1524

Value-----	S11RSCARE	S12RSCARE	S13RSCARE	S14RSCARE	S15RSCARE
.d:DK	8	7	9	2	8
.h:no help received	858	775	798	623	873
.m:Missing				1	2
.r:Refuse			1	2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10009	8691	9456	7514	6603
0.no	211	198	222	165	147
1.yes	1390	1341	1292	1051	832

## How Constructed:

The following variables indicate whether the respondent's spouse helps the respondent with any ADL or IADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, if the respondent reports receiving help with an ADL activity, then they are asked whether they have difficulty with it and who helps them with that activity. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs, up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL or IADL, and are coded as special missing .h if the respondent reports difficulty with an ADL or IADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRSCARE, RwRSCAREN, RwRSCAREDPM, RwRSCAREDPMM, RwRSCAREHR, and RwRSCAREHRM include help from the current spouse/partner of the respondent in Waves 2 through 5, and the current or former spouse/partner of the respondent in Wave 6 and onward.

RwRSCARE indicates whether the respondent's spouse or former spouse helps the respondent with any ADL or IADL needs. RwRSCAREN indicates the number of the respondent's spouses or former spouses who help the respondent with ADL or IADL needs. RwRSCARE is coded as 0 if the respondent receives no assistance from their spouse, and coded as 1 if the respondent does receive help from their spouse. In Wave 2, RwRSCARE and RwRSCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRSCARE is not available in Wave 1 and RwRSCAREN is not available in Waves 1, 3, and 4.

RwRSCAREDPM indicates the number of total days per month the respondent's spouse or former spouse helps the respondent with ADL or IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRSCAREDPM is the sum of days per month for all spouse or former spouse helpers, and so values can be over 31 days. RwRSCAREDPM is calculated as long as there is one non-missing value. RwRSCAREDPMM indicates the number of spouses or former spouses who helped the respondent for whom no value of days was reported and was not accounted for in RwRSCAREDPM. RwRSCAREDPMM is assigned special missing .m if the respondent's spouse or former spouse does not help the respondent or prior information was missing. RwRSCAREDPM and RwRSCAREDPMM are not available in Waves 1 through 4.

RwRSCAREHR indicates the number of total hours per day the respondent's spouse or former spouse helps the respondent with any ADL or IADL needs. Respondents are asked, on days their spouse helps with a particular ADL or IADL need, how many hours per day their spouse helps. If the respondent reports less than an hour, then a 1 is recorded. RwRSCAREHR is the sum of hours per day for all spouse or former spouse helpers, and so values can be over 24 hours. RwRSCAREHR is calculated as long as there is one non-missing value. RwRSCAREHRM indicates the number of spouses or former spouses who helped the respondent for whom no value of hours was reported and was not accounted for in RwRSCAREHR. RwRSCAREHRM is assigned special missing .m if the respondent was not helped by any spouse or former spouses or prior information was missing. If the respondent participated in the HRS cohort in Wave 2, then RwRSCAREHR and RwRSCAREHRM are assigned special missing .q in Wave 2. RwRSCAREHR and RwRSCAREHRM are not available in Waves 1, 3, and 4.



SwRSCARE, SwRSCAREN, SwRSCAREDPM, and SwRSCAREHR indicate whether, the number, and the frequency with which the respondent's current wave's spouse receives help from the respondent or their former spouse, and their values are taken from RwrSCARE, RwrSCAREN, RwrSCAREDPM, and RwrSCAREHR. SwRSCAREDPMM and SwRSCAREHRM indicate whether or not a value was reported for the number of days and hours the respondent's current spouse was helped by the respondent or their former spouse and are taken from RwrSCAREDPMM and RwrSCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs or IADLs at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs, up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Respondents are asked who helps them with ADLs or IADLs starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RwrSCARE is available starting in the AHEAD cohorts in Wave 2 and Wave 3. Additionally, RwrSCAREN is available for the AHEAD cohort in Wave 2. If the respondent participated in the HRS cohort in Wave 2, then these variables are assigned special missing .q in Wave 2 because they were not asked this question.

In the AHEAD cohort in Wave 2, respondents can report that their spouse helps them with ADLs or IADLs, and were asked how frequently and the number of hours that their spouse provides help. However, the frequency of help is not comparable to other waves and so RwrSCAREDPM and RwrSCAREDPMM are not available in the AHEAD cohort in Wave 2. The number of hours that their spouse helps is comparable, and so RwrSCAREHR and RwrSCAREHRM are available in the AHEAD cohort in Wave 2. If the respondent participated in the HRS cohort in Wave 2, then RwrSCAREHR and RwrSCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

In the AHEAD and HRS cohorts in Wave 3 and Wave 4, respondents can report that their current spouse helps them with ADLs or IADLs. However, respondents are not asked about the number of days or number of hours that the respondent's spouse helps the respondent in these waves. As such, RwrSCAREN, RwrSCAREDPM, RwrSCAREDPMM, RwrSCAREHR, and RwrSCAREHRM are not available in Waves 3 and 4.

Starting in Wave 5, respondents are asked who helps them with ADLs or IADLs, and are asked about the number of days and number of hours that the respondent's spouse helps the respondent. As such, RwrSCAREN, RwrSCAREDPM, RwrSCAREDPMM, RwrSCAREHR, and RwrSCAREHRM are available beginning in Wave 5.

## HRS Variables Used:

### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10MEALSA	r10mealsa:w10 r any diff-prepare hot meal
R10MEDSA	r10medsa:w10 r any diff-take medications
R10MONEYA	r10moneya:w10 r any diff-managing money

R10PHONEA r10phonea:w10 r any diff-use telephone  
R10SHOPA r10shopa:w10 r any diff-shop for grocery  
R10TOILTA r10toilta:w10 r any diff-using the toilet  
R10WALKRA r10walkra:w10 r any diff-walk across room  
R11BATHA r11batha:w11 r any diff-bathing, shower  
R11BEDA r11beda:w11 r any diff-get in/out bed  
R11DRESSA r11dressa:w11 r any diff-dressing  
R11EATA r11eata:w11 r any diff-eating  
R11MEALSA r11mealsa:w11 r any diff-prepare hot meal  
R11MEDSA r11medsa:w11 r any diff-take medications  
R11MONEYA r11moneya:w11 r any diff-managing money  
R11PHONEA r11phonea:w11 r any diff-use telephone  
R11SHOPA r11shopa:w11 r any diff-shop for grocery  
R11TOILTA r11toilta:w11 r any diff-using the toilet  
R11WALKRA r11walkra:w11 r any diff-walk across room  
R12BATHA r12batha:w12 r any diff-bathing, shower  
R12BEDA r12beda:w12 r any diff-get in/out bed  
R12DRESSA r12dressa:w12 r any diff-dressing  
R12EATA r12eata:w12 r any diff-eating  
R12MEALSA r12mealsa:w12 r any diff-prepare hot meal  
R12MEDSA r12medsa:w12 r any diff-take medications  
R12MONEYA r12moneya:w12 r any diff-managing money  
R12PHONEA r12phonea:w12 r any diff-use telephone  
R12SHOPA r12shopa:w12 r any diff-shop for grocery  
R12TOILTA r12toilta:w12 r any diff-using the toilet  
R12WALKRA r12walkra:w12 r any diff-walk across room  
R13BATHA r13batha:w13 r any diff-bathing, shower  
R13BEDA r13beda:w13 r any diff-get in/out bed  
R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13MEALSA r13mealsa:w13 r any diff-prepare hot meal  
R13MEDSA r13medsa:w13 r any diff-take medications  
R13MONEYA r13moneya:w13 r any diff-managing money  
R13PHONEA r13phonea:w13 r any diff-use telephone  
R13SHOPA r13shopa:w13 r any diff-shop for grocery  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14MEALSA r14mealsa:w14 r any diff-prepare hot meal  
R14MEDSA r14medsa:w14 r any diff-take medications  
R14MONEYA r14moneya:w14 r any diff-managing money  
R14PHONEA r14phonea:w14 r any diff-use telephone  
R14SHOPA r14shopa:w14 r any diff-shop for grocery  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15MEALSA r15mealsa:w15 r any diff-prepare hot meal  
R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating

R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
R5MEDSA r5medsa:w5 r any diff-take medications  
R5MONEYA r5moneya:w5 r any diff-managing money  
R5PHONEA r5phonea:w5 r any diff-use telephone  
R5SHOPA r5shopa:w5 r any diff-shop for grocery  
R5TOILTA r5toilta:w5 r any diff-using the toilet  
R5WALKRA r5walkra:w5 r any diff-walk across room  
R6BATHA r6batha:w6 r any diff-bathing, shower  
R6BEDA r6beda:w6 r any diff-get in/out bed  
R6DRESSA r6dressa:w6 r any diff-dressing  
R6EATA r6eata:w6 r any diff-eating  
R6MEALSA r6mealsa:w6 r any diff-prepare hot meal  
R6MEDSA r6medsa:w6 r any diff-take medications  
R6MONEYA r6moneya:w6 r any diff-managing money  
R6PHONEA r6phonea:w6 r any diff-use telephone  
R6SHOPA r6shopa:w6 r any diff-shop for grocery  
R6TOILTA r6toilta:w6 r any diff-using the toilet  
R6WALKRA r6walkra:w6 r any diff-walk across room  
R7BATHA r7batha:w7 r any diff-bathing, shower  
R7BEDA r7beda:w7 r any diff-get in/out bed  
R7DRESSA r7dressa:w7 r any diff-dressing  
R7EATA r7eata:w7 r any diff-eating  
R7MEALSA r7mealsa:w7 r any diff-prepare hot meal  
R7MEDSA r7medsa:w7 r any diff-take medications  
R7MONEYA r7moneya:w7 r any diff-managing money  
R7PHONEA r7phonea:w7 r any diff-use telephone  
R7SHOPA r7shopa:w7 r any diff-shop for grocery  
R7TOILTA r7toilta:w7 r any diff-using the toilet  
R7WALKRA r7walkra:w7 r any diff-walk across room  
R8BATHA r8batha:w8 r any diff-bathing, shower  
R8BEDA r8beda:w8 r any diff-get in/out bed  
R8DRESSA r8dressa:w8 r any diff-dressing  
R8EATA r8eata:w8 r any diff-eating  
R8MEALSA r8mealsa:w8 r any diff-prepare hot meal  
R8MEDSA r8medsa:w8 r any diff-take medications  
R8MONEYA r8moneya:w8 r any diff-managing money  
R8PHONEA r8phonea:w8 r any diff-use telephone  
R8SHOPA r8shopa:w8 r any diff-shop for grocery  
R8TOILTA r8toilta:w8 r any diff-using the toilet  
R8WALKRA r8walkra:w8 r any diff-walk across room  
R9BATHA r9batha:w9 r any diff-bathing, shower

R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps
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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V992	E60. HELPER HOW OFTEN
V993	E61. HELPER HOURS PER DAY

## Wave 2 AHEAD HHLIST:

OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN_INHH	hrs w2: # in hhold (r1/r2 only)
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## Wave 3 AHEAD:

D1870	adlck.ckpt for skipping adl series
D1877	e72f.adl walk help
D1887	e73f.adl dress help
D1897	e74f.adl bathe help
D1907	e75f.adl eat help
D1920	e76f.adl bed help
D1930	e77f.adl toilet help
D1961	e83.who help-11
D1975	e84.who help-2
D1984	e85.who help-3
D1988	e86.who help-4
D1992	e87.who help-5

D1996 e88.who help-6  
 D2000 e89.who help-7  
 D2024 e95c.iadl meals help  
 D2029 e96c.iadl groc help  
 D2034 e97c.iadl phone help  
 D2039 e98c.iadl med help  
 D2041 e99.iadls-who help,1  
 D2050 e100.iadls-who help,2  
 D2055 e101.iadls-who help,3  
 D2061 e102.iadls-who help,4  
 D2067 e103.iadls-who help,5  
 D2073 e104.iadls-who help,6  
 D2102 e106c.iadl money who help,1  
 D2107 e107. money help-1  
 D2115 e107c.iadl money who help,2  
 D2121 e108. money helper-2

## Wave 3 AHEAD Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
 E1901 e72f.adl walk help  
 E1911 e73f.adl dress help  
 E1921 e74f.adl bathe help  
 E1931 e75f.adl eat help  
 E1944 e76f.adl bed help  
 E1954 e77f.adl toilet help  
 E1976 e83.who help-11  
 E1990 e84.who help-2  
 E1999 e85.who help-3  
 E2003 e86.who help-4  
 E2007 e87.who help-5  
 E2011 e88.who help-6  
 E2015 e89.who help-7  
 E2039 e95c.iadl meals help  
 E2044 e96c.iadl groc help  
 E2049 e97c.iadl phone help  
 E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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
OPN	OTHER PERSON NUMBER
Wave 4:	
F2426	e73f.adl dress help
F2431	e72.adl walk help
F2447	e74f.adl bathe help
F2457	e75f.adl eat help
F2470	e76f.adl bed help
F2480	e77f.adl toilet help
F2502	e83.who help-11
F2502	e83.who help-11
F2516	e84.who help-2
F2516	e84.who help-2
F2525	e85.who help-3
F2525	e85.who help-3
F2529	e86.who help-4
F2529	e86.who help-4
F2533	e87.who help-5
F2533	e87.who help-5
F2537	e88.who help-6
F2537	e88.who help-6
F2541	e89.who help-7
F2541	e89.who help-7
F2565	e95c.iadl meals help
F2570	e96c.iadl groc help
F2575	e97c.iadl phone help
F2580	e98c.iadl med help
F2582	e99.iadls-who help,1
F2591	e100.iadls-who help,2
F2596	e101.iadls-who help,3
F2602	e102.iadls-who help,4
F2608	e103.iadls-who help,5
F2614	e104.iadls-who help,6
F2620	e106c.iadl money who help,1
F2621	e107. money help-1
F2624	e107c.iadl money who help,2
F2625	e108. money helper-2
F517	cs11.r in nursing home
Wave 4 Helper:	
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
F2658	E158-2. HELPER OFTEN
F2659	E158A-2.HELPER PER WEEK
F2660	E158B-2.HELPER EVERY DAY
F2662	E159-2. HELPER HOURS
F2665	E162-2. HELPER PAID
OPN	OTHER PERSON NUMBER
Wave 5:	
G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4

G2831 e87.who help-5  
 G2835 e88.who help-6  
 G2839 e89.who help-7  
 G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help  
 G2873 e97c.iadl phone help  
 G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2  
 G558 cs11.r in nursing home

## Wave 5 Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HA028 r in nursing home  
 HG013 chkpnt: count of hg001 through hg012  
 HG015 help w/dress  
 HG020 adl walk help  
 HG022 adl bathe help  
 HG024 adl eat help  
 HG029 adl bed help  
 HG031 adl toilet help  
 HG032\_1 who helps most- adl- 1  
 HG032\_2 who helps- adl- 2  
 HG032\_3 who helps- adl- 3  
 HG032\_4 who helps- adl- 4  
 HG032\_5 who helps- adl- 5  
 HG032\_6 who helps- adl- 6  
 HG032\_7 who helps- adl- 7  
 HG043 iadl meal preparation help  
 HG046 iadl groc shop help  
 HG049 iadl making phone calls help  
 HG053 iadl taking medications help  
 HG054\_1 iadls- who helps most-1  
 HG054\_2 iadls- who helps- 2  
 HG054\_3 iadls- who helps- 3  
 HG054\_4 iadls- who helps- 4  
 HG054\_5 iadls- who helps- 5  
 HG054\_6 iadls- who helps- 6  
 HG061 iadl managing money help  
 HG062\_1 who helps manage money-1  
 HG062\_2 who helps manage money-2

## Wave 6 Helper:

HADLNDX adl helper index  
 HG069 helper relationship

HG070	freq of help given- days in last month
HG071	freq of help given- days per week
HG072	did helper help every dy
HG073	#hrs of help
HG076	helper paid to help
HIADLNDX	iadl helper index
HMNYNDX	money helper index
Wave 7:	
JA028	r in nursing home
JG013	chkpnt: count of jg001 through jg012
JG015	help w/dress
JG020	adl walk help
JG022	adl bathe help
JG024	adl eat help
JG029	adl bed help
JG031	adl toilet help
JG032_1	who helps most- adl- 1
JG032_2	who helps- adl- 2
JG032_3	who helps- adl- 3
JG032_4	who helps- adl- 4
JG032_5	who helps- adl- 5
JG032_6	who helps- adl- 6
JG032_7	who helps- adl- 7
JG043	iadl meal preparation help
JG046	iadl groc shop help
JG049	iadl making phone calls help
JG053	iadl taking medications help
JG054_1	iadls- who helps most-1
JG054_2	iadls- who helps- 2
JG054_3	iadls- who helps- 3
JG054_4	iadls- who helps- 4
JG054_5	iadls- who helps- 5
JG054_6	iadls- who helps- 6
JG061	iadl managing money help
JG062_1	who helps manage money-1
JG062_2	who helps manage money-2
Wave 7 Helper:	
JADLNDX	index connection to the adl table
JG069	helper relationship
JG070	freq of help given-days last month
JG071	# days helper helped
JG072	did helper help every dy
JG073	#hrs of help
JG076	helper given money to help
JIADLNDX	index connection to the iadl table
JMNYNDX	index connection to the money table
Wave 8:	
KA028	r in nursing home
KG013	chkpnt: count of jg001 through jg012
KG015	help w/dress
KG020	adl walk help
KG022	adl bathe help
KG024	adl eat help
KG029	adl bed help
KG031	adl toilet help
KG032_1	who helps most- adl- 1
KG032_2	who helps- adl- 2
KG032_3	who helps- adl- 3
KG032_4	who helps- adl- 4
KG032_5	who helps- adl- 5
KG032_6	who helps- adl- 6
KG032_7	who helps- adl- 7
KG043	iadl meal preparation help



KG046	iadl groc shop help
KG049	iadl making phone calls help
KG053	iadl taking medications help
KG054_1	iadls- who helps most-1
KG054_2	iadls- who helps- 2
KG054_3	iadls- who helps- 3
KG054_4	iadls- who helps- 4
KG054_5	iadls- who helps- 5
KG054_6	iadls- who helps- 6
KG061	iadl managing money help
KG062_1	who helps manage money-1
KG062_2	who helps manage money-2
Wave 8 Helper:	
KADLNDX	index connection to the adl table
KG069	helper relationship
KG070	freq of help given-days last month
KG071	# days helper helped
KG072	did helper help every dy
KG073	#hrs of help
KG076	helper given money to help
KIADLNDX	index connection to the iadl table
KMNYNDX	index connection to the money table
Wave 9:	
LA028	r in nursing home
LG013	chkpnt: count of lg001 through lg012
LG015	help w/dress
LG020	adl walk help
LG022	adl bathe help
LG024	adl eat help
LG029	adl bed help
LG031	adl toilet help
LG032_1	who helps most- adl- 1
LG032_2	who helps- adl- 2
LG032_3	who helps- adl- 3
LG032_4	who helps- adl- 4
LG032_5	who helps- adl- 5
LG032_6	who helps- adl- 6
LG032_7	who helps- adl- 7
LG043	iadl meal preparation help
LG046	iadl groc shop help
LG049	iadl making phone calls help
LG053	iadl taking medications help
LG054_1	iadls- who helps most-1
LG054_2	iadls- who helps- 2
LG054_3	iadls- who helps- 3
LG054_4	iadls- who helps- 4
LG054_5	iadls- who helps- 5
LG054_6	iadls- who helps- 6
LG061	iadl managing money help
LG062_1	who helps manage money-1
LG062_2	who helps manage money-2
Wave 9 Helper:	
LADLNDX	index connection to the adl table
LG069	helper relationship
LG070	freq of help given-days last month
LG071	# days helper helped
LG072	did helper help every day
LG073	#hrs of help
LG076	helper given money to help
LIADLNDX	index connection to the iadl table
LMNYNDX	index connection to the money table
Wave 10:	
MA028	r in nursing home

MG013           chkpnt: count of mg001 through mg012  
 MG015           help w/dress  
 MG020           adl walk help  
 MG022           adl bathe help  
 MG024           adl eat help  
 MG029           adl bed help  
 MG031           adl toilet help  
 MG032\_1         who helps most- adl- 1  
 MG032\_2         who helps- adl- 2  
 MG032\_3         who helps- adl- 3  
 MG032\_4         who helps- adl- 4  
 MG032\_5         who helps- adl- 5  
 MG032\_6         who helps- adl- 6  
 MG032\_7         who helps- adl- 7  
 MG043           iadl meal preparation help  
 MG046           iadl groc shop help  
 MG049           iadl making phone calls help  
 MG053           iadl taking medications help  
 MG054\_1         iadls- who helps -1  
 MG054\_2         iadls- who helps- 2  
 MG054\_3         iadls- who helps- 3  
 MG054\_4         iadls- who helps- 4  
 MG054\_5         iadls- who helps- 5  
 MG054\_6         iadls- who helps- 6  
 MG061           iadl managing money help  
 MG062\_1         who helps manage money-1  
 MG062\_2         who helps manage money-2

## Wave 10 Helper:

MADLNDX         index connection to the adl table  
 MG069           helper relationship -1  
 MG070           freq of help given -1  
 MG071           # days helper helped -1  
 MG072           did helper help every dy -1  
 MG073           #hrs of help -1  
 MG076           helper given money to help -1  
 MIADLNDX        index connection to the iadl table  
 MMNYNDX         index connection to the money table

## Wave 11:

NA028           r in nursing home  
 NG013           chkpnt: count of ng001 through ng012  
 NG015           help w/dress  
 NG020           adl walk help  
 NG022           adl bathe help  
 NG024           adl eat help  
 NG029           adl bed help  
 NG031           adl toilet help  
 NG032\_1         who helps most- adl- 1  
 NG032\_2         who helps- adl- 2  
 NG032\_3         who helps- adl- 3  
 NG032\_4         who helps- adl- 4  
 NG032\_5         who helps- adl- 5  
 NG032\_6         who helps- adl- 6  
 NG032\_7         who helps- adl- 7  
 NG043           iadl meal preparation help  
 NG046           iadl groc shop help  
 NG049           iadl making phone calls help  
 NG053           iadl taking medications help  
 NG054\_1         iadls- who helps -1  
 NG054\_2         iadls- who helps- 2  
 NG054\_3         iadls- who helps- 3  
 NG054\_4         iadls- who helps- 4  
 NG054\_5         iadls- who helps- 5  
 NG054\_6         iadls- who helps- 6

NG061 iadl managing money help  
NG062\_1 who helps manage money-1  
NG062\_2 who helps manage money-2

Wave 11 Helper:  
NADLNDX index connection to the adl table  
NG069 helper relationship  
NG070 freq of help given  
NG071 # days helper helped  
NG072 did helper help every dy  
NG073 #hrs of help  
NG076 helper given money to help  
NIADLNDX index connection to the iadl table  
NMNYNDX index connection to the money table

Wave 12:  
OA028 r in nursing home  
OG013 chkpnt: count of g001 through g012  
OG015 help w/dress  
OG020 adl walk help  
OG022 adl bathe help  
OG024 adl eat help  
OG029 adl bed help  
OG031 adl toilet help  
OG032\_1 who helps most- adl- 1  
OG032\_2 who helps- adl- 2  
OG032\_3 who helps- adl- 3  
OG032\_4 who helps- adl- 4  
OG032\_5 who helps- adl- 5  
OG032\_6 who helps- adl- 6  
OG032\_7 who helps- adl- 7  
OG043 iadl meal preparation help  
OG046 iadl groc shop help  
OG049 iadl making phone calls help  
OG053 iadl taking medications help  
OG054\_1 iadls- who helps -1  
OG054\_2 iadls- who helps- 2  
OG054\_3 iadls- who helps- 3  
OG054\_4 iadls- who helps- 4  
OG054\_5 iadls- who helps- 5  
OG054\_6 iadls- who helps- 6  
OG061 iadl managing money help  
OG062\_1 who helps manage money-1  
OG062\_2 who helps manage money-2

Wave 12 Helper:  
OADLNDX index connection to the adl table  
OG069 helper relationship  
OG070 freq of help given  
OG071 # days helper helped  
OG072 did helper help every dy  
OG073 #hrs of help  
OG076 helper given money to help  
OIADLNDX index connection to the iadl table  
OMNYNDX index connection to the money table

Wave 13:  
PA028 r in nursing home  
PG013 chkpnt: count of g001 through g012  
PG015 help w/dress  
PG020 adl walk help  
PG022 adl bathe help  
PG024 adl eat help  
PG029 adl bed help  
PG031 adl toilet help  
PG032\_1 who helps most- adl- 1  
PG032\_2 who helps- adl- 2

PG032\_3 who helps- adl- 3  
 PG032\_4 who helps- adl- 4  
 PG032\_5 who helps- adl- 5  
 PG032\_6 who helps- adl- 6  
 PG032\_7 who helps- adl- 7  
 PG043 iadl meal preparation help  
 PG046 iadl groc shop help  
 PG049 iadl making phone calls help  
 PG053 iadl taking medications help  
 PG054\_1 iadls- who helps -1  
 PG054\_2 iadls- who helps- 2  
 PG054\_3 iadls- who helps- 3  
 PG054\_4 iadls- who helps- 4  
 PG054\_5 iadls- who helps- 5  
 PG054\_6 iadls- who helps- 6  
 PG061 iadl managing money help  
 PG062\_1 who helps manage money-1  
 PG062\_2 who helps manage money-2

## Wave 13 Helper:

PADLNDX index connection to the adl table  
 PG069 helper relationship  
 PG070 freq of help given  
 PG071 # days helper helped  
 PG072 did helper help every dy  
 PG073 #hrs of help  
 PG076 helper given money to help  
 PIADLNDX index connection to the iadl table  
 PMNYNDX index connection to the money table

## Wave 14:

QA028 r in nursing home  
 QG013 chkpnt: count of g001 through g012  
 QG015 help w/dress  
 QG020 adl walk help  
 QG022 adl bathe help  
 QG024 adl eat help  
 QG029 adl bed help  
 QG031 adl toilet help  
 QG032\_1 who helps most- adl- 1  
 QG032\_2 who helps- adl- 2  
 QG032\_3 who helps- adl- 3  
 QG032\_4 who helps- adl- 4  
 QG032\_5 who helps- adl- 5  
 QG032\_6 who helps- adl- 6  
 QG032\_7 who helps- adl- 7  
 QG043 iadl meal preparation help  
 QG046 iadl groc shop help  
 QG049 iadl making phone calls help  
 QG053 iadl taking medications help  
 QG054\_1 iadls- who helps -1  
 QG054\_2 iadls- who helps- 2  
 QG054\_3 iadls- who helps- 3  
 QG054\_4 iadls- who helps- 4  
 QG054\_5 iadls- who helps- 5  
 QG054\_6 iadls- who helps- 6  
 QG061 iadl managing money help  
 QG062\_1 who helps manage money-1  
 QG062\_2 who helps manage money-2

## Wave 14 Helper:

QADLNDX INDEX CONNECTION TO THE ADL TABLE  
 QG069 HELPER RELATIONSHIP  
 QG070 FREQ OF HELP GIVEN  
 QG071 # DAYS HELPER HELPED  
 QG072 DID HELPER HELP EVERY DY

QG073	#HRS OF HELP
QG076	HELPER GIVEN MONEY TO HELP
QIADLNDX	INDEX CONNECTION TO THE IADL TABLE
QMNYNDX	INDEX CONNECTION TO THE MONEY TABLE
Wave 15:	
RA028	r in nursing home
RG013	chkpnt: count of g001 through g012
RG015	help w/dress
RG020	adl walk help
RG022	adl bathe help
RG024	adl eat help
RG029	adl bed help
RG031	adl toilet help
RG032_1	who helps most- adl- 1
RG032_2	who helps- adl- 2
RG032_3	who helps- adl- 3
RG032_4	who helps- adl- 4
RG032_5	who helps- adl- 5
RG032_6	who helps- adl- 6
RG032_7	who helps- adl- 7
RG043	iadl meal preparation help
RG046	iadl groc shop help
RG049	iadl making phone calls help
RG053	iadl taking medications help
RG054_1	iadls- who helps -1
RG054_2	iadls- who helps- 2
RG054_3	iadls- who helps- 3
RG054_4	iadls- who helps- 4
RG054_5	iadls- who helps- 5
RG054_6	iadls- who helps- 6
RG061	iadl managing money help
RG062_1	who helps manage money-1
RG062_2	who helps manage money-2
Wave 15 Helper:	
RADLNDX	INDEX CONNECTION TO THE ADL TABLE
RG069	HELPER RELATIONSHIP
RG070	FREQ OF HELP GIVEN
RG071	# DAYS HELPER HELPED
RG072	DID HELPER HELP EVERY DY
RG073	#HRS OF HELP
RG076	HELPER GIVEN MONEY TO HELP
RIADLNDX	INDEX CONNECTION TO THE IADL TABLE
RMNYNDX	INDEX CONNECTION TO THE MONEY TABLE

**Activities of Daily Living and Instrumental Activities of Daily Living: Receives Informal Care from Children or Grandchildren**

Wave	Variable	Label	Type
02	R2RCCARE	r2rccare:w2 r receives informal care from kids/grandkids for	Categ
03	R3RCCARE	r3rccare:w3 r receives informal care from kids/grandkids for	Categ
04	R4RCCARE	r4rccare:w4 r receives informal care from kids/grandkids for	Categ
05	R5RCCARE	r5rccare:w5 r receives informal care from kids/grandkids for	Categ
06	R6RCCARE	r6rccare:w6 r receives informal care from kids/grandkids for	Categ
07	R7RCCARE	r7rccare:w7 r receives informal care from kids/grandkids for	Categ
08	R8RCCARE	r8rccare:w8 r receives informal care from kids/grandkids for	Categ
09	R9RCCARE	r9rccare:w9 r receives informal care from kids/grandkids for	Categ
10	R10RCCARE	r10rccare:w10 r receives informal care from kids/grandkids f	Categ
11	R11RCCARE	r11rccare:w11 r receives informal care from kids/grandkids f	Categ
12	R12RCCARE	r12rccare:w12 r receives informal care from kids/grandkids f	Categ
13	R13RCCARE	r13rccare:w13 r receives informal care from kids/grandkids f	Categ
14	R14RCCARE	r14rccare:w14 r receives informal care from kids/grandkids f	Categ
15	R15RCCARE	r15rccare:w15 r receives informal care from kids/grandkids f	Categ
02	S2RCCARE	s2rccare:w2 s receives informal care from kids/grandkids for	Categ
03	S3RCCARE	s3rccare:w3 s receives informal care from kids/grandkids for	Categ
04	S4RCCARE	s4rccare:w4 s receives informal care from kids/grandkids for	Categ
05	S5RCCARE	s5rccare:w5 s receives informal care from kids/grandkids for	Categ
06	S6RCCARE	s6rccare:w6 s receives informal care from kids/grandkids for	Categ
07	S7RCCARE	s7rccare:w7 s receives informal care from kids/grandkids for	Categ
08	S8RCCARE	s8rccare:w8 s receives informal care from kids/grandkids for	Categ
09	S9RCCARE	s9rccare:w9 s receives informal care from kids/grandkids for	Categ
10	S10RCCARE	s10rccare:w10 s receives informal care from kids/grandkids f	Categ
11	S11RCCARE	s11rccare:w11 s receives informal care from kids/grandkids f	Categ
12	S12RCCARE	s12rccare:w12 s receives informal care from kids/grandkids f	Categ
13	S13RCCARE	s13rccare:w13 s receives informal care from kids/grandkids f	Categ
14	S14RCCARE	s14rccare:w14 s receives informal care from kids/grandkids f	Categ
15	S15RCCARE	s15rccare:w15 s receives informal care from kids/grandkids f	Categ
02	R2RCCAREN	r2rccaren:w2 # kids/grandkids who help r with adls/iadls	Cont
03	R3RCCAREN	r3rccaren:w3 # kids/grandkids who help r with adls/iadls	Cont
04	R4RCCAREN	r4rccaren:w4 # kids/grandkids who help r with adls/iadls	Cont
05	R5RCCAREN	r5rccaren:w5 # kids/grandkids who help r with adls/iadls	Cont
06	R6RCCAREN	r6rccaren:w6 # kids/grandkids who help r with adls/iadls	Cont
07	R7RCCAREN	r7rccaren:w7 # kids/grandkids who help r with adls/iadls	Cont
08	R8RCCAREN	r8rccaren:w8 # kids/grandkids who help r with adls/iadls	Cont
09	R9RCCAREN	r9rccaren:w9 # kids/grandkids who help r with adls/iadls	Cont
10	R10RCCAREN	r10rccaren:w10 # kids/grandkids who help r with adls/iadls	Cont
11	R11RCCAREN	r11rccaren:w11 # kids/grandkids who help r with adls/iadls	Cont
12	R12RCCAREN	r12rccaren:w12 # kids/grandkids who help r with adls/iadls	Cont
13	R13RCCAREN	r13rccaren:w13 # kids/grandkids who help r with adls/iadls	Cont
14	R14RCCAREN	r14rccaren:w14 # kids/grandkids who help r with adls/iadls	Cont
15	R15RCCAREN	r15rccaren:w15 # kids/grandkids who help r with adls/iadls	Cont
02	S2RCCAREN	s2rccaren:w2 # kids/grandkids who help s with adls/iadls	Cont
03	S3RCCAREN	s3rccaren:w3 # kids/grandkids who help s with adls/iadls	Cont
04	S4RCCAREN	s4rccaren:w4 # kids/grandkids who help s with adls/iadls	Cont
05	S5RCCAREN	s5rccaren:w5 # kids/grandkids who help s with adls/iadls	Cont
06	S6RCCAREN	s6rccaren:w6 # kids/grandkids who help s with adls/iadls	Cont
07	S7RCCAREN	s7rccaren:w7 # kids/grandkids who help s with adls/iadls	Cont
08	S8RCCAREN	s8rccaren:w8 # kids/grandkids who help s with adls/iadls	Cont
09	S9RCCAREN	s9rccaren:w9 # kids/grandkids who help s with adls/iadls	Cont
10	S10RCCAREN	s10rccaren:w10 # kids/grandkids who help s with adls/iadls	Cont
11	S11RCCAREN	s11rccaren:w11 # kids/grandkids who help s with adls/iadls	Cont
12	S12RCCAREN	s12rccaren:w12 # kids/grandkids who help s with adls/iadls	Cont

13	S13RCCAREN	s13rccaren:w13 # kids/grandkids who help s with adls/iadls	Cont
14	S14RCCAREN	s14rccaren:w14 # kids/grandkids who help s with adls/iadls	Cont
15	S15RCCAREN	s15rccaren:w15 # kids/grandkids who help s with adls/iadls	Cont
03	R3RCCAREDPM	r3rccaredpm:w3 days/month kids/grandkids help r with adls/ia	Cont
04	R4RCCAREDPM	r4rccaredpm:w4 days/month kids/grandkids help r with adls/ia	Cont
05	R5RCCAREDPM	r5rccaredpm:w5 days/month kids/grandkids help r with adls/ia	Cont
06	R6RCCAREDPM	r6rccaredpm:w6 days/month kids/grandkids help r with adls/ia	Cont
07	R7RCCAREDPM	r7rccaredpm:w7 days/month kids/grandkids help r with adls/ia	Cont
08	R8RCCAREDPM	r8rccaredpm:w8 days/month kids/grandkids help r with adls/ia	Cont
09	R9RCCAREDPM	r9rccaredpm:w9 days/month kids/grandkids help r with adls/ia	Cont
10	R10RCCAREDPM	r10rccaredpm:w10 days/month kids/grandkids help r with adls/	Cont
11	R11RCCAREDPM	r11rccaredpm:w11 days/month kids/grandkids help r with adls/	Cont
12	R12RCCAREDPM	r12rccaredpm:w12 days/month kids/grandkids help r with adls/	Cont
13	R13RCCAREDPM	r13rccaredpm:w13 days/month kids/grandkids help r with adls/	Cont
14	R14RCCAREDPM	r14rccaredpm:w14 days/month kids/grandkids help r with adls/	Cont
15	R15RCCAREDPM	r15rccaredpm:w15 days/month kids/grandkids help r with adls/	Cont
03	S3RCCAREDPM	s3rccaredpm:w3 days/month kids/grandkids help s with adls/ia	Cont
04	S4RCCAREDPM	s4rccaredpm:w4 days/month kids/grandkids help s with adls/ia	Cont
05	S5RCCAREDPM	s5rccaredpm:w5 days/month kids/grandkids help s with adls/ia	Cont
06	S6RCCAREDPM	s6rccaredpm:w6 days/month kids/grandkids help s with adls/ia	Cont
07	S7RCCAREDPM	s7rccaredpm:w7 days/month kids/grandkids help s with adls/ia	Cont
08	S8RCCAREDPM	s8rccaredpm:w8 days/month kids/grandkids help s with adls/ia	Cont
09	S9RCCAREDPM	s9rccaredpm:w9 days/month kids/grandkids help s with adls/ia	Cont
10	S10RCCAREDPM	s10rccaredpm:w10 days/month kids/grandkids help s with adls/	Cont
11	S11RCCAREDPM	s11rccaredpm:w11 days/month kids/grandkids help s with adls/	Cont
12	S12RCCAREDPM	s12rccaredpm:w12 days/month kids/grandkids help s with adls/	Cont
13	S13RCCAREDPM	s13rccaredpm:w13 days/month kids/grandkids help s with adls/	Cont
14	S14RCCAREDPM	s14rccaredpm:w14 days/month kids/grandkids help s with adls/	Cont
15	S15RCCAREDPM	s15rccaredpm:w15 days/month kids/grandkids help s with adls/	Cont
03	R3RCCAREDPMM	r3rccaredpmm:w3 r # kids/grandkids missing days of help for	Cont
04	R4RCCAREDPMM	r4rccaredpmm:w4 r # kids/grandkids missing days of help for	Cont
05	R5RCCAREDPMM	r5rccaredpmm:w5 r # kids/grandkids missing days of help for	Cont
06	R6RCCAREDPMM	r6rccaredpmm:w6 r # kids/grandkids missing days of help for	Cont
07	R7RCCAREDPMM	r7rccaredpmm:w7 r # kids/grandkids missing days of help for	Cont
08	R8RCCAREDPMM	r8rccaredpmm:w8 r # kids/grandkids missing days of help for	Cont
09	R9RCCAREDPMM	r9rccaredpmm:w9 r # kids/grandkids missing days of help for	Cont
10	R10RCCAREDPMM	r10rccaredpmm:w10 r # kids/grandkids missing days of help fo	Cont
11	R11RCCAREDPMM	r11rccaredpmm:w11 r # kids/grandkids missing days of help fo	Cont
12	R12RCCAREDPMM	r12rccaredpmm:w12 r # kids/grandkids missing days of help fo	Cont
13	R13RCCAREDPMM	r13rccaredpmm:w13 r # kids/grandkids missing days of help fo	Cont
14	R14RCCAREDPMM	r14rccaredpmm:w14 r # kids/grandkids missing days of help fo	Cont
15	R15RCCAREDPMM	r15rccaredpmm:w15 r # kids/grandkids missing days of help fo	Cont
03	S3RCCAREDPMM	s3rccaredpmm:w3 s # kids/grandkids missing days of help for	Cont
04	S4RCCAREDPMM	s4rccaredpmm:w4 s # kids/grandkids missing days of help for	Cont
05	S5RCCAREDPMM	s5rccaredpmm:w5 s # kids/grandkids missing days of help for	Cont
06	S6RCCAREDPMM	s6rccaredpmm:w6 s # kids/grandkids missing days of help for	Cont
07	S7RCCAREDPMM	s7rccaredpmm:w7 s # kids/grandkids missing days of help for	Cont
08	S8RCCAREDPMM	s8rccaredpmm:w8 s # kids/grandkids missing days of help for	Cont
09	S9RCCAREDPMM	s9rccaredpmm:w9 s # kids/grandkids missing days of help for	Cont
10	S10RCCAREDPMM	s10rccaredpmm:w10 s # kids/grandkids missing days of help fo	Cont
11	S11RCCAREDPMM	s11rccaredpmm:w11 s # kids/grandkids missing days of help fo	Cont
12	S12RCCAREDPMM	s12rccaredpmm:w12 s # kids/grandkids missing days of help fo	Cont
13	S13RCCAREDPMM	s13rccaredpmm:w13 s # kids/grandkids missing days of help fo	Cont
14	S14RCCAREDPMM	s14rccaredpmm:w14 s # kids/grandkids missing days of help fo	Cont
15	S15RCCAREDPMM	s15rccaredpmm:w15 s # kids/grandkids missing days of help fo	Cont
02	R2RCCAREHR	r2rccarehr:w2 hours/day kids/grandkids help r with adls/iadl	Cont
03	R3RCCAREHR	r3rccarehr:w3 hours/day kids/grandkids help r with adls/iadl	Cont
04	R4RCCAREHR	r4rccarehr:w4 hours/day kids/grandkids help r with adls/iadl	Cont

05	R5RCCAREHR	r5rcccarehr:w5 hours/day kids/grandkids help r with adls/iadl	Cont
06	R6RCCAREHR	r6rcccarehr:w6 hours/day kids/grandkids help r with adls/iadl	Cont
07	R7RCCAREHR	r7rcccarehr:w7 hours/day kids/grandkids help r with adls/iadl	Cont
08	R8RCCAREHR	r8rcccarehr:w8 hours/day kids/grandkids help r with adls/iadl	Cont
09	R9RCCAREHR	r9rcccarehr:w9 hours/day kids/grandkids help r with adls/iadl	Cont
10	R10RCCAREHR	r10rcccarehr:w10 hours/day kids/grandkids help r with adls/ia	Cont
11	R11RCCAREHR	r11rcccarehr:w11 hours/day kids/grandkids help r with adls/ia	Cont
12	R12RCCAREHR	r12rcccarehr:w12 hours/day kids/grandkids help r with adls/ia	Cont
13	R13RCCAREHR	r13rcccarehr:w13 hours/day kids/grandkids help r with adls/ia	Cont
14	R14RCCAREHR	r14rcccarehr:w14 hours/day kids/grandkids help r with adls/ia	Cont
15	R15RCCAREHR	r15rcccarehr:w15 hours/day kids/grandkids help r with adls/ia	Cont
02	S2RCCAREHR	s2rcccarehr:w2 hours/day kids/grandkids help s with adls/iadl	Cont
03	S3RCCAREHR	s3rcccarehr:w3 hours/day kids/grandkids help s with adls/iadl	Cont
04	S4RCCAREHR	s4rcccarehr:w4 hours/day kids/grandkids help s with adls/iadl	Cont
05	S5RCCAREHR	s5rcccarehr:w5 hours/day kids/grandkids help s with adls/iadl	Cont
06	S6RCCAREHR	s6rcccarehr:w6 hours/day kids/grandkids help s with adls/iadl	Cont
07	S7RCCAREHR	s7rcccarehr:w7 hours/day kids/grandkids help s with adls/iadl	Cont
08	S8RCCAREHR	s8rcccarehr:w8 hours/day kids/grandkids help s with adls/iadl	Cont
09	S9RCCAREHR	s9rcccarehr:w9 hours/day kids/grandkids help s with adls/iadl	Cont
10	S10RCCAREHR	s10rcccarehr:w10 hours/day kids/grandkids help s with adls/ia	Cont
11	S11RCCAREHR	s11rcccarehr:w11 hours/day kids/grandkids help s with adls/ia	Cont
12	S12RCCAREHR	s12rcccarehr:w12 hours/day kids/grandkids help s with adls/ia	Cont
13	S13RCCAREHR	s13rcccarehr:w13 hours/day kids/grandkids help s with adls/ia	Cont
14	S14RCCAREHR	s14rcccarehr:w14 hours/day kids/grandkids help s with adls/ia	Cont
15	S15RCCAREHR	s15rcccarehr:w15 hours/day kids/grandkids help s with adls/ia	Cont
02	R2RCCAREHRM	r2rcccarehrm:w2 r # kids/grandkids missing hours of help for	Cont
03	R3RCCAREHRM	r3rcccarehrm:w3 r # kids/grandkids missing hours of help for	Cont
04	R4RCCAREHRM	r4rcccarehrm:w4 r # kids/grandkids missing hours of help for	Cont
05	R5RCCAREHRM	r5rcccarehrm:w5 r # kids/grandkids missing hours of help for	Cont
06	R6RCCAREHRM	r6rcccarehrm:w6 r # kids/grandkids missing hours of help for	Cont
07	R7RCCAREHRM	r7rcccarehrm:w7 r # kids/grandkids missing hours of help for	Cont
08	R8RCCAREHRM	r8rcccarehrm:w8 r # kids/grandkids missing hours of help for	Cont
09	R9RCCAREHRM	r9rcccarehrm:w9 r # kids/grandkids missing hours of help for	Cont
10	R10RCCAREHRM	r10rcccarehrm:w10 r # kids/grandkids missing hours of help fo	Cont
11	R11RCCAREHRM	r11rcccarehrm:w11 r # kids/grandkids missing hours of help fo	Cont
12	R12RCCAREHRM	r12rcccarehrm:w12 r # kids/grandkids missing hours of help fo	Cont
13	R13RCCAREHRM	r13rcccarehrm:w13 r # kids/grandkids missing hours of help fo	Cont
14	R14RCCAREHRM	r14rcccarehrm:w14 r # kids/grandkids missing hours of help fo	Cont
15	R15RCCAREHRM	r15rcccarehrm:w15 r # kids/grandkids missing hours of help fo	Cont
02	S2RCCAREHRM	s2rcccarehrm:w2 s # kids/grandkids missing hours of help for	Cont
03	S3RCCAREHRM	s3rcccarehrm:w3 s # kids/grandkids missing hours of help for	Cont
04	S4RCCAREHRM	s4rcccarehrm:w4 s # kids/grandkids missing hours of help for	Cont
05	S5RCCAREHRM	s5rcccarehrm:w5 s # kids/grandkids missing hours of help for	Cont
06	S6RCCAREHRM	s6rcccarehrm:w6 s # kids/grandkids missing hours of help for	Cont
07	S7RCCAREHRM	s7rcccarehrm:w7 s # kids/grandkids missing hours of help for	Cont
08	S8RCCAREHRM	s8rcccarehrm:w8 s # kids/grandkids missing hours of help for	Cont
09	S9RCCAREHRM	s9rcccarehrm:w9 s # kids/grandkids missing hours of help for	Cont
10	S10RCCAREHRM	s10rcccarehrm:w10 s # kids/grandkids missing hours of help fo	Cont
11	S11RCCAREHRM	s11rcccarehrm:w11 s # kids/grandkids missing hours of help fo	Cont
12	S12RCCAREHRM	s12rcccarehrm:w12 s # kids/grandkids missing hours of help fo	Cont
13	S13RCCAREHRM	s13rcccarehrm:w13 s # kids/grandkids missing hours of help fo	Cont
14	S14RCCAREHRM	s14rcccarehrm:w14 s # kids/grandkids missing hours of help fo	Cont
15	S15RCCAREHRM	s15rcccarehrm:w15 s # kids/grandkids missing hours of help fo	Cont
02	R2RCCAREPD	r2rcccarepd:w2 any kids/grandkids paid for care given to r fo	Categ
03	R3RCCAREPD	r3rcccarepd:w3 any kids/grandkids paid for care given to r fo	Categ
04	R4RCCAREPD	r4rcccarepd:w4 any kids/grandkids paid for care given to r fo	Categ
05	R5RCCAREPD	r5rcccarepd:w5 any kids/grandkids paid for care given to r fo	Categ
06	R6RCCAREPD	r6rcccarepd:w6 any kids/grandkids paid for care given to r fo	Categ
07	R7RCCAREPD	r7rcccarepd:w7 any kids/grandkids paid for care given to r fo	Categ



08	R8RCCAREPD	r8rccarepd:w8 any kids/grandkids paid for care given to r fo	Categ
09	R9RCCAREPD	r9rccarepd:w9 any kids/grandkids paid for care given to r fo	Categ
10	R10RCCAREPD	r10rccarepd:w10 any kids/grandkids paid for care given to r	Categ
11	R11RCCAREPD	r11rccarepd:w11 any kids/grandkids paid for care given to r	Categ
12	R12RCCAREPD	r12rccarepd:w12 any kids/grandkids paid for care given to r	Categ
13	R13RCCAREPD	r13rccarepd:w13 any kids/grandkids paid for care given to r	Categ
14	R14RCCAREPD	r14rccarepd:w14 any kids/grandkids paid for care given to r	Categ
15	R15RCCAREPD	r15rccarepd:w15 any kids/grandkids paid for care given to r	Categ
02	S2RCCAREPD	s2rccarepd:w2 any kids/grandkids paid for care given to s fo	Categ
03	S3RCCAREPD	s3rccarepd:w3 any kids/grandkids paid for care given to s fo	Categ
04	S4RCCAREPD	s4rccarepd:w4 any kids/grandkids paid for care given to s fo	Categ
05	S5RCCAREPD	s5rccarepd:w5 any kids/grandkids paid for care given to s fo	Categ
06	S6RCCAREPD	s6rccarepd:w6 any kids/grandkids paid for care given to s fo	Categ
07	S7RCCAREPD	s7rccarepd:w7 any kids/grandkids paid for care given to s fo	Categ
08	S8RCCAREPD	s8rccarepd:w8 any kids/grandkids paid for care given to s fo	Categ
09	S9RCCAREPD	s9rccarepd:w9 any kids/grandkids paid for care given to s fo	Categ
10	S10RCCAREPD	s10rccarepd:w10 any kids/grandkids paid for care given to s	Categ
11	S11RCCAREPD	s11rccarepd:w11 any kids/grandkids paid for care given to s	Categ
12	S12RCCAREPD	s12rccarepd:w12 any kids/grandkids paid for care given to s	Categ
13	S13RCCAREPD	s13rccarepd:w13 any kids/grandkids paid for care given to s	Categ
14	S14RCCAREPD	s14rccarepd:w14 any kids/grandkids paid for care given to s	Categ
15	S15RCCAREPD	s15rccarepd:w15 any kids/grandkids paid for care given to s	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RCCARE	2274	0.41	0.49	0.00	1.00
R3RCCARE	2656	0.48	0.50	0.00	1.00
R4RCCARE	3040	0.49	0.50	0.00	1.00
R5RCCARE	2787	0.48	0.50	0.00	1.00
R6RCCARE	2776	0.51	0.50	0.00	1.00
R7RCCARE	2958	0.50	0.50	0.00	1.00
R8RCCARE	2881	0.50	0.50	0.00	1.00
R9RCCARE	2708	0.51	0.50	0.00	1.00
R10RCCARE	3573	0.53	0.50	0.00	1.00
R11RCCARE	3372	0.53	0.50	0.00	1.00
R12RCCARE	3259	0.55	0.50	0.00	1.00
R13RCCARE	3349	0.55	0.50	0.00	1.00
R14RCCARE	2673	0.51	0.50	0.00	1.00
R15RCCARE	2280	0.54	0.50	0.00	1.00
S2RCCARE	1097	0.19	0.39	0.00	1.00
S3RCCARE	1320	0.29	0.46	0.00	1.00
S4RCCARE	1501	0.31	0.46	0.00	1.00
S5RCCARE	1367	0.27	0.44	0.00	1.00
S6RCCARE	1287	0.28	0.45	0.00	1.00
S7RCCARE	1424	0.28	0.45	0.00	1.00
S8RCCARE	1381	0.28	0.45	0.00	1.00
S9RCCARE	1221	0.27	0.45	0.00	1.00
S10RCCARE	1748	0.33	0.47	0.00	1.00
S11RCCARE	1609	0.34	0.47	0.00	1.00
S12RCCARE	1545	0.35	0.48	0.00	1.00
S13RCCARE	1519	0.37	0.48	0.00	1.00
S14RCCARE	1216	0.31	0.46	0.00	1.00
S15RCCARE	979	0.35	0.48	0.00	1.00
R2RCCAREN	2274	0.52	0.70	0.00	3.00
R3RCCAREN	2656	0.75	1.01	0.00	8.00
R4RCCAREN	3040	0.94	1.27	0.00	12.00
R5RCCAREN	2787	0.88	1.21	0.00	16.00
R6RCCAREN	2776	0.77	0.98	0.00	8.00

R7RCCAREN	2958	0.77	1.00	0.00	7.00
R8RCCAREN	2881	0.78	1.02	0.00	8.00
R9RCCAREN	2708	0.80	1.04	0.00	8.00
R10RCCAREN	3573	0.89	1.09	0.00	7.00
R11RCCAREN	3372	0.89	1.10	0.00	7.00
R12RCCAREN	3259	0.94	1.14	0.00	7.00
R13RCCAREN	3349	0.91	1.10	0.00	7.00
R14RCCAREN	2673	0.84	1.06	0.00	7.00
R15RCCAREN	2280	0.87	1.08	0.00	8.00
S2RCCAREN	1097	0.23	0.52	0.00	3.00
S3RCCAREN	1320	0.47	0.91	0.00	8.00
S4RCCAREN	1501	0.58	1.14	0.00	12.00
S5RCCAREN	1367	0.45	0.90	0.00	7.00
S6RCCAREN	1287	0.41	0.79	0.00	6.00
S7RCCAREN	1424	0.43	0.81	0.00	6.00
S8RCCAREN	1381	0.43	0.85	0.00	8.00
S9RCCAREN	1221	0.41	0.81	0.00	7.00
S10RCCAREN	1748	0.53	0.92	0.00	6.00
S11RCCAREN	1609	0.55	0.96	0.00	6.00
S12RCCAREN	1545	0.60	1.01	0.00	6.00
S13RCCAREN	1519	0.59	0.99	0.00	7.00
S14RCCAREN	1216	0.49	0.87	0.00	7.00
S15RCCAREN	979	0.55	0.95	0.00	8.00
R3RCCAREDPM	2644	12.48	20.57	0.00	155.00
R4RCCAREDPM	2955	12.80	21.22	0.00	186.00
R5RCCAREDPM	2720	12.14	21.94	0.00	480.00
R6RCCAREDPM	2742	11.20	18.89	0.00	140.00
R7RCCAREDPM	2921	10.58	18.17	0.00	150.00
R8RCCAREDPM	2847	11.24	19.08	0.00	141.00
R9RCCAREDPM	2683	10.89	18.79	0.00	186.00
R10RCCAREDPM	3536	11.34	18.54	0.00	186.00
R11RCCAREDPM	3337	11.81	19.53	0.00	155.00
R12RCCAREDPM	3215	11.54	18.72	0.00	155.00
R13RCCAREDPM	3303	11.22	18.14	0.00	156.00
R14RCCAREDPM	2633	10.54	17.33	0.00	124.00
R15RCCAREDPM	2245	10.93	18.03	0.00	136.00
S3RCCAREDPM	1316	6.61	15.76	0.00	124.00
S4RCCAREDPM	1472	7.12	16.22	0.00	124.00
S5RCCAREDPM	1344	5.74	13.74	0.00	93.00
S6RCCAREDPM	1281	5.22	13.67	0.00	120.00
S7RCCAREDPM	1418	4.63	12.11	0.00	120.00
S8RCCAREDPM	1377	5.46	13.72	0.00	124.00
S9RCCAREDPM	1217	4.63	12.62	0.00	124.00
S10RCCAREDPM	1743	5.85	14.01	0.00	124.00
S11RCCAREDPM	1598	6.38	14.87	0.00	155.00
S12RCCAREDPM	1534	6.30	14.42	0.00	155.00
S13RCCAREDPM	1508	6.40	14.04	0.00	124.00
S14RCCAREDPM	1204	5.46	13.01	0.00	108.00
S15RCCAREDPM	973	6.14	14.08	0.00	136.00
R3RCCAREDPMM	2656	0.01	0.12	0.00	2.00
R4RCCAREDPMM	3040	0.03	0.34	0.00	10.00
R5RCCAREDPMM	2787	0.03	0.19	0.00	3.00
R6RCCAREDPMM	2776	0.02	0.14	0.00	2.00
R7RCCAREDPMM	2958	0.03	0.20	0.00	4.00
R8RCCAREDPMM	2881	0.02	0.18	0.00	5.00
R9RCCAREDPMM	2708	0.02	0.18	0.00	3.00
R10RCCAREDPMM	3573	0.02	0.15	0.00	2.00
R11RCCAREDPMM	3372	0.03	0.19	0.00	3.00
R12RCCAREDPMM	3259	0.03	0.22	0.00	4.00

R13RCCAREDPMM	3349	0.03	0.19	0.00	4.00
R14RCCAREDPMM	2673	0.03	0.20	0.00	4.00
R15RCCAREDPMM	2280	0.03	0.20	0.00	3.00
S3RCCAREDPMM	1320	0.00	0.06	0.00	1.00
S4RCCAREDPMM	1501	0.03	0.39	0.00	10.00
S5RCCAREDPMM	1367	0.01	0.12	0.00	2.00
S6RCCAREDPMM	1287	0.01	0.09	0.00	2.00
S7RCCAREDPMM	1424	0.01	0.10	0.00	2.00
S8RCCAREDPMM	1381	0.01	0.07	0.00	1.00
S9RCCAREDPMM	1221	0.01	0.09	0.00	2.00
S10RCCAREDPMM	1748	0.01	0.08	0.00	2.00
S11RCCAREDPMM	1609	0.02	0.15	0.00	2.00
S12RCCAREDPMM	1545	0.01	0.17	0.00	4.00
S13RCCAREDPMM	1519	0.02	0.19	0.00	4.00
S14RCCAREDPMM	1216	0.02	0.15	0.00	2.00
S15RCCAREDPMM	979	0.01	0.14	0.00	2.00
R2RCCAREHR	2118	1.67	4.32	0.00	56.00
R3RCCAREHR	2583	2.75	6.46	0.00	96.00
R4RCCAREHR	2922	3.09	7.18	0.00	97.00
R5RCCAREHR	2691	2.70	6.29	0.00	96.00
R6RCCAREHR	2650	2.68	6.64	0.00	162.00
R7RCCAREHR	2818	2.61	5.80	0.00	81.00
R8RCCAREHR	2763	2.65	5.99	0.00	96.00
R9RCCAREHR	2586	2.73	6.02	0.00	80.00
R10RCCAREHR	3421	2.83	5.70	0.00	68.00
R11RCCAREHR	3229	2.90	6.05	0.00	60.00
R12RCCAREHR	3081	2.88	5.76	0.00	57.00
R13RCCAREHR	3173	2.91	6.17	0.00	90.00
R14RCCAREHR	2562	2.83	5.81	0.00	72.00
R15RCCAREHR	2170	2.83	6.15	0.00	57.00
S2RCCAREHR	1056	0.67	2.57	0.00	27.00
S3RCCAREHR	1298	1.36	4.51	0.00	74.00
S4RCCAREHR	1466	1.75	5.11	0.00	74.00
S5RCCAREHR	1336	1.22	3.47	0.00	48.00
S6RCCAREHR	1257	1.23	3.70	0.00	40.00
S7RCCAREHR	1388	1.37	4.17	0.00	48.00
S8RCCAREHR	1352	1.17	4.00	0.00	96.00
S9RCCAREHR	1185	1.19	3.71	0.00	48.00
S10RCCAREHR	1707	1.47	3.96	0.00	50.00
S11RCCAREHR	1573	1.51	4.20	0.00	56.00
S12RCCAREHR	1485	1.63	4.22	0.00	54.00
S13RCCAREHR	1463	1.47	3.76	0.00	44.00
S14RCCAREHR	1184	1.40	3.44	0.00	34.00
S15RCCAREHR	953	1.47	3.83	0.00	38.00
R2RCCAREHRM	2274	0.11	0.34	0.00	3.00
R3RCCAREHRM	2656	0.02	0.18	0.00	4.00
R4RCCAREHRM	3040	0.05	0.39	0.00	10.00
R5RCCAREHRM	2787	0.05	0.28	0.00	4.00
R6RCCAREHRM	2776	0.09	0.35	0.00	6.00
R7RCCAREHRM	2958	0.11	0.44	0.00	5.00
R8RCCAREHRM	2881	0.09	0.36	0.00	5.00
R9RCCAREHRM	2708	0.10	0.40	0.00	6.00
R10RCCAREHRM	3573	0.11	0.40	0.00	4.00
R11RCCAREHRM	3372	0.11	0.40	0.00	5.00
R12RCCAREHRM	3259	0.14	0.46	0.00	5.00
R13RCCAREHRM	3349	0.13	0.43	0.00	6.00
R14RCCAREHRM	2673	0.10	0.40	0.00	6.00
R15RCCAREHRM	2280	0.12	0.43	0.00	5.00

S2RCCAREHRM	1097	0.05	0.24	0.00	2.00
S3RCCAREHRM	1320	0.01	0.15	0.00	4.00
S4RCCAREHRM	1501	0.04	0.42	0.00	10.00
S5RCCAREHRM	1367	0.02	0.19	0.00	3.00
S6RCCAREHRM	1287	0.04	0.24	0.00	2.00
S7RCCAREHRM	1424	0.06	0.29	0.00	4.00
S8RCCAREHRM	1381	0.05	0.25	0.00	4.00
S9RCCAREHRM	1221	0.06	0.32	0.00	6.00
S10RCCAREHRM	1748	0.06	0.29	0.00	4.00
S11RCCAREHRM	1609	0.06	0.29	0.00	4.00
S12RCCAREHRM	1545	0.08	0.36	0.00	5.00
S13RCCAREHRM	1519	0.10	0.40	0.00	6.00
S14RCCAREHRM	1216	0.05	0.28	0.00	4.00
S15RCCAREHRM	979	0.05	0.29	0.00	4.00
R2RCCAREPD	2147	0.02	0.13	0.00	1.00
R3RCCAREPD	2622	0.02	0.14	0.00	1.00
R4RCCAREPD	2972	0.02	0.15	0.00	1.00
R5RCCAREPD	2740	0.02	0.15	0.00	1.00
R6RCCAREPD	2719	0.02	0.15	0.00	1.00
R7RCCAREPD	2902	0.03	0.17	0.00	1.00
R8RCCAREPD	2827	0.03	0.16	0.00	1.00
R9RCCAREPD	2650	0.03	0.18	0.00	1.00
R10RCCAREPD	3496	0.04	0.20	0.00	1.00
R11RCCAREPD	3287	0.05	0.21	0.00	1.00
R12RCCAREPD	3159	0.05	0.21	0.00	1.00
R13RCCAREPD	3267	0.06	0.23	0.00	1.00
R14RCCAREPD	2617	0.06	0.23	0.00	1.00
R15RCCAREPD	2232	0.06	0.24	0.00	1.00
S2RCCAREPD	1058	0.01	0.09	0.00	1.00
S3RCCAREPD	1303	0.02	0.13	0.00	1.00
S4RCCAREPD	1479	0.02	0.13	0.00	1.00
S5RCCAREPD	1349	0.02	0.13	0.00	1.00
S6RCCAREPD	1271	0.02	0.14	0.00	1.00
S7RCCAREPD	1404	0.03	0.16	0.00	1.00
S8RCCAREPD	1364	0.02	0.13	0.00	1.00
S9RCCAREPD	1198	0.02	0.15	0.00	1.00
S10RCCAREPD	1715	0.03	0.16	0.00	1.00
S11RCCAREPD	1582	0.03	0.18	0.00	1.00
S12RCCAREPD	1503	0.04	0.20	0.00	1.00
S13RCCAREPD	1488	0.04	0.20	0.00	1.00
S14RCCAREPD	1195	0.04	0.19	0.00	1.00
S15RCCAREPD	964	0.04	0.20	0.00	1.00

### Categorical Variable Codes

Value-----	R2RCCARE	R3RCCARE	R4RCCARE	R5RCCARE	
.d:DK	25	4	3		
.f:infrequent care	65				
.h:no help received	495	1580	1804	1754	
.m:Missing	2	43	28		
.q:not asked this wave	11595				
.r:Refuse			1	1	
.x:no difficulties	5361	13708	16508	15036	
0.no	1346	1369	1543	1449	
1.yes	928	1287	1497	1338	
Value-----	R6RCCARE	R7RCCARE	R8RCCARE	R9RCCARE	R10RCCARE
.d:DK	1	3		2	5
.h:no help received	1594	1671	1712	1594	1998
.m:Missing	7	10	7	2	2
.r:Refuse	3		1		1
.x:no difficulties	13784	15487	13868	12911	16455
0.no	1361	1488	1432	1337	1674

1.yes	1415	1470	1449	1371	1899
Value-----	R11RCCARE	R12RCCARE	R13RCCARE	R14RCCARE	R15RCCARE
.d:DK	1	8	9	19	28
.h:no help received	1778	1760	1925	1594	1859
.m:Missing		1		1	5
.r:Refuse	1			7	2
.x:no difficulties	15402	13719	15629	12852	11549
0.no	1579	1477	1497	1309	1045
1.yes	1793	1782	1852	1364	1235
Value-----		S2RCCARE	S3RCCARE	S4RCCARE	S5RCCARE
.d:DK		6	2		
.f:infrequent care		29			
.h:no help received		199	838	956	934
.m:Missing		1	15	7	
.q:not asked this wave		8738			
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:no difficulties		3018	9741	11514	10429
0.no		891	933	1041	1001
1.yes		206	387	460	366
Value-----	S6RCCARE	S7RCCARE	S8RCCARE	S9RCCARE	S10RCCARE
.d:DK		2		1	
.h:no help received	797	824	851	767	929
.m:Missing	3	1	1	2	
.r:Refuse	1				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	9544	10717	9495	8649	10830
0.no	924	1021	1000	886	1174
1.yes	363	403	381	335	574
Value-----	S11RCCARE	S12RCCARE	S13RCCARE	S14RCCARE	S15RCCARE
.d:DK		1	5	2	8
.h:no help received	858	775	798	623	873
.m:Missing				1	2
.r:Refuse				2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10009	8691	9456	7514	6603
0.no	1069	997	961	839	635
1.yes	540	548	558	377	344
Value-----		R2RCCAREPD	R3RCCAREPD	R4RCCAREPD	R5RCCAREPD
.d:DK		25	6	5	1
.f:infrequent care		65			
.h:no help received		495	1580	1804	1754
.m:Missing		4	75	92	46
.q:not asked this wave		11595			
.r:Refuse				3	1
.w:less than weekly help		125			
.x:no difficulties		5361	13708	16508	15036
0.no		2112	2570	2901	2678
1.yes		35	52	71	62
Value-----	R6RCCAREPD	R7RCCAREPD	R8RCCAREPD	R9RCCAREPD	R10RCCAREPD
.d:DK	2	4	2	5	13
.h:no help received	1594	1671	1712	1594	1998
.m:Missing	63	65	58	55	69
.r:Refuse	3		2	2	3
.x:no difficulties	13784	15487	13868	12911	16455
0.no	2654	2816	2753	2560	3349
1.yes	65	86	74	90	147
Value-----	R11RCCAREPD	R12RCCAREPD	R13RCCAREPD	R14RCCAREPD	R15RCCAREPD
.d:DK	20	24	18	22	31
.h:no help received	1778	1760	1925	1594	1859
.m:Missing	61	78	68	53	48
.r:Refuse	6	7	5	8	4
.x:no difficulties	15402	13719	15629	12852	11549
0.no	3130	3007	3083	2469	2101
1.yes	157	152	184	148	131
Value-----		S2RCCAREPD	S3RCCAREPD	S4RCCAREPD	S5RCCAREPD

.d:DK		6	2		
.f:infrequent care		29			
.h:no help received		199	838	956	934
.m:Missing		1	32	27	18
.q:not asked this wave		8738			
.r:Refuse				2	
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.w:less than weekly help		39			
.x:no difficulties		3018	9741	11514	10429
0.no		1049	1282	1454	1326
1.yes		9	21	25	23
Value-----	S6RCCAREPD	S7RCCAREPD	S8RCCAREPD	S9RCCAREPD	S10RCCAREPD
.d:DK		3		2	4
.h:no help received	797	824	851	767	929
.m:Missing	19	20	17	24	29
.r:Refuse	1		1		1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	9544	10717	9495	8649	10830
0.no	1244	1368	1341	1172	1669
1.yes	27	36	23	26	46
Value-----	S11RCCAREPD	S12RCCAREPD	S13RCCAREPD	S14RCCAREPD	S15RCCAREPD
.d:DK	8	7	8	2	9
.h:no help received	858	775	798	623	873
.m:Missing	18	35	28	22	15
.r:Refuse	1	1		2	2
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10009	8691	9456	7514	6603
0.no	1527	1439	1424	1150	923
1.yes	55	64	64	45	41

### How Constructed:

The following variables indicate whether the respondent's children or grandchildren help the respondent with any ADL or IADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs, up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL or IADL, and are coded as special missing .h if the respondent reports difficulty with an ADL or IADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRCCARE, RwRCCAREN, RwRCCAREDP, RwRCCAREDPMM, RwRCCAREHR, RwRCCAREHRM, and RwRCCAREPD include help from the respondent's child, spouse of child, grandchild, and spouse of grandchild in the AHEAD cohort in Wave 2. These variables include help from the respondent's child, child-in-law, unlisted child or child-in-law, step/partner child, and grandchild in Waves 3 through 5. These variables include help from the respondent's sons, step-sons, spouse/partner of daughters, son-in-laws, daughters, step-daughters, spouse/partner of sons, daughter-in-laws, grandchildren, unlisted children or children-in-law, former

step-children, former children-in-law, spouse/partner of grandchildren, ambiguous child relation, and ambiguous child-in-law relation in Waves 6 and onward.

RwRCCARE indicates whether any of the respondent's children or grandchildren help the respondent with ADL or IADL needs. RwRCCAREN indicates the number of the respondent's children or grandchildren who help the respondent with ADL or IADL needs. RwRCCARE is coded as 0 if none of the respondent's children or grandchildren help the respondent with ADLs or IADLS, and is coded as 1 if at least one of the respondent's children or grandchildren help the respondent with ADLs or IADLS. In Wave 2, RwRCCARE and RwRCCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRCCARE and RwRCCAREN are not available in Wave 1.

RwRCCAREDPM indicates the number of total days per month the respondent's children or grandchildren help the respondent with ADL or IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRCCAREDPM is the sum of days per month for all children or grandchildren helpers, and so values can be over 31 days. RwRCCAREDPM is calculated as long as there is one non-missing value. RwRCCAREDPMM indicates the number of children or grandchildren who helped the respondent for whom no value of days was reported and was not accounted for in RwRCCAREDPM. RwRCCAREDPMM is assigned special missing .m if the respondent was not helped by any children or grandchildren or prior information was missing. RwRCCAREDPM and RwRCCAREDPMM are not available in Waves 1 and 2.

RwRCCAREHR indicates the number of hours per day the respondent's children or grandchildren help the respondent with ADL or IADL needs. Respondents are asked, on days their children or grandchildren help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RwRCCAREHR is the sum of hours per day for all children or grandchildren helpers, and so values can be over 24 hours. RwRCCAREHR is calculated as long as there is one non-missing value. RwRCCAREHRM indicates the number of children or grandchildren who helped the respondent for whom no value of hours was reported and was not accounted for in RwRCCAREHR. RwRCCAREHR is assigned a special missing .w in the AHEAD cohort in Wave 2 if this question is not asked because the respondent's children or grandchildren help less than once per week. RwRCCAREHRM is assigned special missing .m if the respondent was not helped by any children or grandchildren or prior information was missing. In Wave 2, RwRCCAREHR and RwRCCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRCCAREHR and RwRCCAREHRM are not available in Wave 1.

RwRCCAREPD indicates whether any of the respondent's children or grandchildren helpers are paid for the care given to the respondent for ADL or IADL needs. RwRCCAREPD is assigned a value of 0 if the respondent receives no care from children or grandchildren, or the respondent does receive care from children or grandchildren and none of them are paid. RwRCCAREPD is assigned a value of 1 if the respondent receives care from children or grandchildren and at least one of them is paid for the care given to the respondent. RwRCCAREPD is assigned a special missing .w in the AHEAD cohort in Wave 2 if this question is not asked because the respondent's children or grandchildren help less than once per week. In Wave 2, RwRCCAREPD is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRCCAREPD is not available in Wave 1.

SwRCCARE, SwRCCAREN, SwRCCAREDPM, SwRCCAREHR, and SwRCCAREPD indicate whether the respondent's current wave's spouse receives help from children or grandchildren, the number, the frequency with which, and whether any are paid, and their values are taken from RwRCCARE, RwRCCAREN, RwRCCAREDPM, RwRCCAREHR, and RwRCCAREPD. SwRCCAREDPMM and SwRCCAREHRM indicate the number of children who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RwRCCAREDPMM and RwRCCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs or IADLS at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. In this wave, respondents are asked

whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs, up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Respondents are asked who helps them with ADLS or IADLS, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWRCCARE, RWRCCAREN, and RWRCCAREPD are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RWRCCARE, RWRCCAREN, and RWRCCAREPD are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a child or grandchild helps them with ADLs or IADLs, and were asked how frequently and the number of hours that the child or grandchild provides help. However, the frequency of help is not comparable to other waves and so RWRCCAREDPM and RWRCCAREDPMM are not available in the AHEAD cohort in Wave 2. The number of hours that the child or grandchild helps is comparable, and so RWRCCAREHR and RWRCCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RWRCCAREHR and RWRCCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with ADLs or IADLs, and are asked about the number of days and number of hours that the respondent's child or grandchild helps the respondent. As such, RWRCCAREDPM and RWRCCAREDPMM are available beginning in Wave 3.

In the AHEAD cohort in Wave 2, respondents are not asked whether the helper is paid if they help less than once per week. Starting in Wave 3, respondents are asked whether the helper is paid regardless of the frequency of the help.

### HRS Variables Used:

#### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10MEALSA	r10mealsa:w10 r any diff-prepare hot meal
R10MEDSA	r10medsa:w10 r any diff-take medications
R10MONEYA	r10moneya:w10 r any diff-managing money
R10PHONEA	r10phonea:w10 r any diff-use telephone
R10SHOPA	r10shopa:w10 r any diff-shop for grocery
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11MEALSA	r11mealsa:w11 r any diff-prepare hot meal
R11MEDSA	r11medsa:w11 r any diff-take medications
R11MONEYA	r11moneya:w11 r any diff-managing money
R11PHONEA	r11phonea:w11 r any diff-use telephone
R11SHOPA	r11shopa:w11 r any diff-shop for grocery
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed
R12DRESSA	r12dressa:w12 r any diff-dressing
R12EATA	r12eata:w12 r any diff-eating
R12MEALSA	r12mealsa:w12 r any diff-prepare hot meal



R12MEDSA r12medsa:w12 r any diff-take medications  
R12MONEYA r12moneya:w12 r any diff-managing money  
R12PHONEA r12phonea:w12 r any diff-use telephone  
R12SHOPA r12shopa:w12 r any diff-shop for grocery  
R12TOILTA r12toilta:w12 r any diff-using the toilet  
R12WALKRA r12walkra:w12 r any diff-walk across room  
R13BATHA r13batha:w13 r any diff-bathing, shower  
R13BEDA r13beda:w13 r any diff-get in/out bed  
R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13MEALSA r13mealsa:w13 r any diff-prepare hot meal  
R13MEDSA r13medsa:w13 r any diff-take medications  
R13MONEYA r13moneya:w13 r any diff-managing money  
R13PHONEA r13phonea:w13 r any diff-use telephone  
R13SHOPA r13shopa:w13 r any diff-shop for grocery  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14MEALSA r14mealsa:w14 r any diff-prepare hot meal  
R14MEDSA r14medsa:w14 r any diff-take medications  
R14MONEYA r14moneya:w14 r any diff-managing money  
R14PHONEA r14phonea:w14 r any diff-use telephone  
R14SHOPA r14shopa:w14 r any diff-shop for grocery  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15MEALSA r15mealsa:w15 r any diff-prepare hot meal  
R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed

R5DRESSA r5dressa:w5 r any diff-dressing  
 R5EATA r5eata:w5 r any diff-eating  
 R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
 R5MEDSA r5medsa:w5 r any diff-take medications  
 R5MONEYA r5moneya:w5 r any diff-managing money  
 R5PHONEA r5phonea:w5 r any diff-use telephone  
 R5SHOPA r5shopa:w5 r any diff-shop for grocery  
 R5TOILTA r5toilta:w5 r any diff-using the toilet  
 R5WALKRA r5walkra:w5 r any diff-walk across room  
 R6BATHA r6batha:w6 r any diff-bathing, shower  
 R6BEDA r6beda:w6 r any diff-get in/out bed  
 R6DRESSA r6dressa:w6 r any diff-dressing  
 R6EATA r6eata:w6 r any diff-eating  
 R6MEALSA r6mealsa:w6 r any diff-prepare hot meal  
 R6MEDSA r6medsa:w6 r any diff-take medications  
 R6MONEYA r6moneya:w6 r any diff-managing money  
 R6PHONEA r6phonea:w6 r any diff-use telephone  
 R6SHOPA r6shopa:w6 r any diff-shop for grocery  
 R6TOILTA r6toilta:w6 r any diff-using the toilet  
 R6WALKRA r6walkra:w6 r any diff-walk across room  
 R7BATHA r7batha:w7 r any diff-bathing, shower  
 R7BEDA r7beda:w7 r any diff-get in/out bed  
 R7DRESSA r7dressa:w7 r any diff-dressing  
 R7EATA r7eata:w7 r any diff-eating  
 R7MEALSA r7mealsa:w7 r any diff-prepare hot meal  
 R7MEDSA r7medsa:w7 r any diff-take medications  
 R7MONEYA r7moneya:w7 r any diff-managing money  
 R7PHONEA r7phonea:w7 r any diff-use telephone  
 R7SHOPA r7shopa:w7 r any diff-shop for grocery  
 R7TOILTA r7toilta:w7 r any diff-using the toilet  
 R7WALKRA r7walkra:w7 r any diff-walk across room  
 R8BATHA r8batha:w8 r any diff-bathing, shower  
 R8BEDA r8beda:w8 r any diff-get in/out bed  
 R8DRESSA r8dressa:w8 r any diff-dressing  
 R8EATA r8eata:w8 r any diff-eating  
 R8MEALSA r8mealsa:w8 r any diff-prepare hot meal  
 R8MEDSA r8medsa:w8 r any diff-take medications  
 R8MONEYA r8moneya:w8 r any diff-managing money  
 R8PHONEA r8phonea:w8 r any diff-use telephone  
 R8SHOPA r8shopa:w8 r any diff-shop for grocery  
 R8TOILTA r8toilta:w8 r any diff-using the toilet  
 R8WALKRA r8walkra:w8 r any diff-walk across room  
 R9BATHA r9batha:w9 r any diff-bathing, shower  
 R9BEDA r9beda:w9 r any diff-get in/out bed  
 R9DRESSA r9dressa:w9 r any diff-dressing  
 R9EATA r9eata:w9 r any diff-eating  
 R9MEALSA r9mealsa:w9 r any diff-prepare hot meal  
 R9MEDSA r9medsa:w9 r any diff-take medications  
 R9MONEYA r9moneya:w9 r any diff-managing money  
 R9PHONEA r9phonea:w9 r any diff-use telephone  
 R9SHOPA r9shopa:w9 r any diff-shop for grocery  
 R9TOILTA r9toilta:w9 r any diff-using the toilet  
 R9WALKRA r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768 e33. adl walk help ever  
 B773 e33e. walk any difficulty  
 B775 e34. walk who helps  
 B779 e35. adl dress help ever  
 B781 e35b. dress any difficulty  
 B783 e36. dress who helps  
 B787 e37. adl bathe help ever  
 B789 e37b. bathe any difficulty  
 B791 e38. bathe who helps

B795 e39. adl eat get help ever  
 B797 e39b. eat difficulty  
 B799 e40. eat who helps  
 B803 e41. adl in/out bed help ever  
 B805 e42. in/out bed-who helps  
 B811 e43c. bed any difficulty  
 B814 e44. adl toilet help ever  
 B816 e44b. toilet any difficulty  
 B823 e45. toilet who helps  
 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  
 B913 e54. iadls-who helps most often  
 B924 e55a.iadls who other helper  
 B948 e57. iadl money  
 B950 e58. money who helps

## Wave 2 AHEAD Helper:

BRELATEP HELPER RELATION TO R  
 HN HELPER NUMBER  
 OPN OTHER PERSON NUMBER  
 OTHRHELP OTHER HELPER RELATION TO R  
 V992 E60. HELPER HOW OFTEN  
 V993 E61. HELPER HOURS PER DAY

## Wave 2 AHEAD HHLIST:

OPN OTHER PERSON NUMBER  
 RELATE\_F RELATIONSHIP TO FEMALE R  
 RELATE\_M RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN\_INHH hrs w2: # in hhold (r1/r2 only)

## Wave 3 AHEAD:

D1870 adlck.ckpt for skipping adl series  
 D1877 e72f.adl walk help  
 D1887 e73f.adl dress help  
 D1897 e74f.adl bathe help  
 D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7  
 D2024 e95c.iadl meals help  
 D2029 e96c.iadl groc help  
 D2034 e97c.iadl phone help  
 D2039 e98c.iadl med help  
 D2041 e99.iadls-who help,1  
 D2050 e100.iadls-who help,2  
 D2055 e101.iadls-who help,3  
 D2061 e102.iadls-who help,4  
 D2067 e103.iadls-who help,5  
 D2073 e104.iadls-who help,6  
 D2102 e106c.iadl money who help,1  
 D2107 e107. money help-1  
 D2115 e107c.iadl money who help,2  
 D2121 e108. money helper-2

## Wave 3 AHEAD Helper:

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
OPN	OTHER PERSON NUMBER

## Wave 3 HRS:

E1894	adlck.ckpt for skipping adl series
E1901	e72f.adl walk help
E1911	e73f.adl dress help
E1921	e74f.adl bathe help
E1931	e75f.adl eat help
E1944	e76f.adl bed help
E1954	e77f.adl toilet help
E1976	e83.who help-11
E1990	e84.who help-2
E1999	e85.who help-3
E2003	e86.who help-4
E2007	e87.who help-5
E2011	e88.who help-6
E2015	e89.who help-7
E2039	e95c.iadl meals help
E2044	e96c.iadl groc help
E2049	e97c.iadl phone help
E2054	e98c.iadl med help
E2056	e99.iadls-who help,1
E2065	e100.iadls-who help,2
E2070	e101.iadls-who help,3
E2076	e102.iadls-who help,4
E2082	e103.iadls-who help,5
E2088	e104.iadls-who help,6
E2096	e106c.iadl money who help,1
E2101	e107. money help-1
E2105	e107c.iadl money who help,2
E2109	e108. money helper-2

## Wave 3 HRS Helper:

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
E2142	E158-2. HELPER-SP OFTEN
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
OPN	OTHER PERSON NUMBER

## Wave 4:

F2426	e73f.adl dress help
F2431	e72.adl walk help
F2447	e74f.adl bathe help
F2457	e75f.adl eat help
F2470	e76f.adl bed help
F2480	e77f.adl toilet help
F2502	e83.who help-11
F2502	e83.who help-11
F2516	e84.who help-2
F2516	e84.who help-2
F2525	e85.who help-3
F2525	e85.who help-3
F2529	e86.who help-4
F2529	e86.who help-4
F2533	e87.who help-5
F2533	e87.who help-5

F2537 e88.who help-6  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help  
 F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help  
 F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4  
 F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6  
 F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

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  
 F2658 E158-2. HELPER OFTEN  
 F2659 E158A-2.HELPER PER WEEK  
 F2660 E158B-2.HELPER EVERY DAY  
 F2662 E159-2. HELPER HOURS  
 F2665 E162-2. HELPER PAID  
 OPN OTHER PERSON NUMBER

## Wave 5:

G2724 e73f.adl dress help  
 G2729 e72y1.adl walk help  
 G2745 e74f.adl bathe help  
 G2755 e75f.adl eat help  
 G2768 e76f.adl bed help  
 G2778 e77f.adl toilet help  
 G2800 e83.who help-11  
 G2814 e84.who help-2  
 G2823 e85.who help-3  
 G2827 e86.who help-4  
 G2831 e87.who help-5  
 G2835 e88.who help-6  
 G2839 e89.who help-7  
 G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help  
 G2873 e97c.iadl phone help  
 G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2  
 G558 cs11.r in nursing home

## Wave 5 Helper:

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
OPN	OTHER PERSON NUMBER

## Wave 6:

HA028	r in nursing home
HG013	chkpnt: count of hg001 through hg012
HG015	help w/dress
HG020	adl walk help
HG022	adl bathe help
HG024	adl eat help
HG029	adl bed help
HG031	adl toilet help
HG032_1	who helps most- adl- 1
HG032_2	who helps- adl- 2
HG032_3	who helps- adl- 3
HG032_4	who helps- adl- 4
HG032_5	who helps- adl- 5
HG032_6	who helps- adl- 6
HG032_7	who helps- adl- 7
HG043	iadl meal preparation help
HG046	iadl groc shop help
HG049	iadl making phone calls help
HG053	iadl taking medications help
HG054_1	iadls- who helps most-1
HG054_2	iadls- who helps- 2
HG054_3	iadls- who helps- 3
HG054_4	iadls- who helps- 4
HG054_5	iadls- who helps- 5
HG054_6	iadls- who helps- 6
HG061	iadl managing money help
HG062_1	who helps manage money-1
HG062_2	who helps manage money-2

## Wave 6 Helper:

HADLNDX	adl helper index
HG069	helper relationship
HG070	freq of help given- days in last month
HG071	freq of help given- days per week
HG072	did helper help every dy
HG073	#hrs of help
HG076	helper paid to help
HIADLNDX	iadl helper index
HMNYNDX	money helper index

## Wave 7:

JA028	r in nursing home
JG013	chkpnt: count of jg001 through jg012
JG015	help w/dress
JG020	adl walk help
JG022	adl bathe help
JG024	adl eat help
JG029	adl bed help
JG031	adl toilet help
JG032_1	who helps most- adl- 1
JG032_2	who helps- adl- 2
JG032_3	who helps- adl- 3
JG032_4	who helps- adl- 4

JG032\_5 who helps- adl- 5  
 JG032\_6 who helps- adl- 6  
 JG032\_7 who helps- adl- 7  
 JG043 iadl meal preparation help  
 JG046 iadl groc shop help  
 JG049 iadl making phone calls help  
 JG053 iadl taking medications help  
 JG054\_1 iadls- who helps most-1  
 JG054\_2 iadls- who helps- 2  
 JG054\_3 iadls- who helps- 3  
 JG054\_4 iadls- who helps- 4  
 JG054\_5 iadls- who helps- 5  
 JG054\_6 iadls- who helps- 6  
 JG061 iadl managing money help  
 JG062\_1 who helps manage money-1  
 JG062\_2 who helps manage money-2  
 Wave 7 Helper:  
 JADLNDX index connection to the adl table  
 JG069 helper relationship  
 JG070 freq of help given-days last month  
 JG071 # days helper helped  
 JG072 did helper help every dy  
 JG073 #hrs of help  
 JG076 helper given money to help  
 JIADLNDX index connection to the iadl table  
 JMNYNDX index connection to the money table  
 Wave 8:  
 KA028 r in nursing home  
 KG013 chkpnt: count of jg001 through jg012  
 KG015 help w/dress  
 KG020 adl walk help  
 KG022 adl bathe help  
 KG024 adl eat help  
 KG029 adl bed help  
 KG031 adl toilet help  
 KG032\_1 who helps most- adl- 1  
 KG032\_2 who helps- adl- 2  
 KG032\_3 who helps- adl- 3  
 KG032\_4 who helps- adl- 4  
 KG032\_5 who helps- adl- 5  
 KG032\_6 who helps- adl- 6  
 KG032\_7 who helps- adl- 7  
 KG043 iadl meal preparation help  
 KG046 iadl groc shop help  
 KG049 iadl making phone calls help  
 KG053 iadl taking medications help  
 KG054\_1 iadls- who helps most-1  
 KG054\_2 iadls- who helps- 2  
 KG054\_3 iadls- who helps- 3  
 KG054\_4 iadls- who helps- 4  
 KG054\_5 iadls- who helps- 5  
 KG054\_6 iadls- who helps- 6  
 KG061 iadl managing money help  
 KG062\_1 who helps manage money-1  
 KG062\_2 who helps manage money-2  
 Wave 8 Helper:  
 KADLNDX index connection to the adl table  
 KG069 helper relationship  
 KG070 freq of help given-days last month  
 KG071 # days helper helped  
 KG072 did helper help every dy  
 KG073 #hrs of help  
 KG076 helper given money to help

KIADLNDX	index connection to the iadl table
KMNYNDX	index connection to the money table
Wave 9:	
LA028	r in nursing home
LG013	chkpnt: count of lg001 through lg012
LG015	help w/dress
LG020	adl walk help
LG022	adl bathe help
LG024	adl eat help
LG029	adl bed help
LG031	adl toilet help
LG032_1	who helps most- adl- 1
LG032_2	who helps- adl- 2
LG032_3	who helps- adl- 3
LG032_4	who helps- adl- 4
LG032_5	who helps- adl- 5
LG032_6	who helps- adl- 6
LG032_7	who helps- adl- 7
LG043	iadl meal preparation help
LG046	iadl groc shop help
LG049	iadl making phone calls help
LG053	iadl taking medications help
LG054_1	iadls- who helps most-1
LG054_2	iadls- who helps- 2
LG054_3	iadls- who helps- 3
LG054_4	iadls- who helps- 4
LG054_5	iadls- who helps- 5
LG054_6	iadls- who helps- 6
LG061	iadl managing money help
LG062_1	who helps manage money-1
LG062_2	who helps manage money-2
Wave 9 Helper:	
LADLNDX	index connection to the adl table
LG069	helper relationship
LG070	freq of help given-days last month
LG071	# days helper helped
LG072	did helper help every day
LG073	#hrs of help
LG076	helper given money to help
LIADLNDX	index connection to the iadl table
LMNYNDX	index connection to the money table
Wave 10:	
MA028	r in nursing home
MG013	chkpnt: count of mg001 through mg012
MG015	help w/dress
MG020	adl walk help
MG022	adl bathe help
MG024	adl eat help
MG029	adl bed help
MG031	adl toilet help
MG032_1	who helps most- adl- 1
MG032_2	who helps- adl- 2
MG032_3	who helps- adl- 3
MG032_4	who helps- adl- 4
MG032_5	who helps- adl- 5
MG032_6	who helps- adl- 6
MG032_7	who helps- adl- 7
MG043	iadl meal preparation help
MG046	iadl groc shop help
MG049	iadl making phone calls help
MG053	iadl taking medications help
MG054_1	iadls- who helps -1
MG054_2	iadls- who helps- 2



MG054\_3 iadls- who helps- 3  
 MG054\_4 iadls- who helps- 4  
 MG054\_5 iadls- who helps- 5  
 MG054\_6 iadls- who helps- 6  
 MG061 iadl managing money help  
 MG062\_1 who helps manage money-1  
 MG062\_2 who helps manage money-2

## Wave 10 Helper:

MADLNDX index connection to the adl table  
 MG069 helper relationship -1  
 MG070 freq of help given -1  
 MG071 # days helper helped -1  
 MG072 did helper help every dy -1  
 MG073 #hrs of help -1  
 MG076 helper given money to help -1  
 MIADLNDX index connection to the iadl table  
 MMNYNDX index connection to the money table

## Wave 11:

NA028 r in nursing home  
 NG013 chkpnt: count of ng001 through ng012  
 NG015 help w/dress  
 NG020 adl walk help  
 NG022 adl bathe help  
 NG024 adl eat help  
 NG029 adl bed help  
 NG031 adl toilet help  
 NG032\_1 who helps most- adl- 1  
 NG032\_2 who helps- adl- 2  
 NG032\_3 who helps- adl- 3  
 NG032\_4 who helps- adl- 4  
 NG032\_5 who helps- adl- 5  
 NG032\_6 who helps- adl- 6  
 NG032\_7 who helps- adl- 7  
 NG043 iadl meal preparation help  
 NG046 iadl groc shop help  
 NG049 iadl making phone calls help  
 NG053 iadl taking medications help  
 NG054\_1 iadls- who helps -1  
 NG054\_2 iadls- who helps- 2  
 NG054\_3 iadls- who helps- 3  
 NG054\_4 iadls- who helps- 4  
 NG054\_5 iadls- who helps- 5  
 NG054\_6 iadls- who helps- 6  
 NG061 iadl managing money help  
 NG062\_1 who helps manage money-1  
 NG062\_2 who helps manage money-2

## Wave 11 Helper:

NADLNDX index connection to the adl table  
 NG069 helper relationship  
 NG070 freq of help given  
 NG071 # days helper helped  
 NG072 did helper help every dy  
 NG073 #hrs of help  
 NG076 helper given money to help  
 NIADLNDX index connection to the iadl table  
 NMNYNDX index connection to the money table

## Wave 12:

OA028 r in nursing home  
 OG013 chkpnt: count of g001 through g012  
 OG015 help w/dress  
 OG020 adl walk help  
 OG022 adl bathe help  
 OG024 adl eat help

OG029 adl bed help  
 OG031 adl toilet help  
 OG032\_1 who helps most- adl- 1  
 OG032\_2 who helps- adl- 2  
 OG032\_3 who helps- adl- 3  
 OG032\_4 who helps- adl- 4  
 OG032\_5 who helps- adl- 5  
 OG032\_6 who helps- adl- 6  
 OG032\_7 who helps- adl- 7  
 OG043 iadl meal preparation help  
 OG046 iadl groc shop help  
 OG049 iadl making phone calls help  
 OG053 iadl taking medications help  
 OG054\_1 iadls- who helps -1  
 OG054\_2 iadls- who helps- 2  
 OG054\_3 iadls- who helps- 3  
 OG054\_4 iadls- who helps- 4  
 OG054\_5 iadls- who helps- 5  
 OG054\_6 iadls- who helps- 6  
 OG061 iadl managing money help  
 OG062\_1 who helps manage money-1  
 OG062\_2 who helps manage money-2  
 Wave 12 Helper:  
 OADLNDX index connection to the adl table  
 OG069 helper relationship  
 OG070 freq of help given  
 OG071 # days helper helped  
 OG072 did helper help every dy  
 OG073 #hrs of help  
 OG076 helper given money to help  
 OIADLNDX index connection to the iadl table  
 OMNYNDX index connection to the money table  
 Wave 13:  
 PA028 r in nursing home  
 PG013 chkpnt: count of g001 through g012  
 PG015 help w/dress  
 PG020 adl walk help  
 PG022 adl bathe help  
 PG024 adl eat help  
 PG029 adl bed help  
 PG031 adl toilet help  
 PG032\_1 who helps most- adl- 1  
 PG032\_2 who helps- adl- 2  
 PG032\_3 who helps- adl- 3  
 PG032\_4 who helps- adl- 4  
 PG032\_5 who helps- adl- 5  
 PG032\_6 who helps- adl- 6  
 PG032\_7 who helps- adl- 7  
 PG043 iadl meal preparation help  
 PG046 iadl groc shop help  
 PG049 iadl making phone calls help  
 PG053 iadl taking medications help  
 PG054\_1 iadls- who helps -1  
 PG054\_2 iadls- who helps- 2  
 PG054\_3 iadls- who helps- 3  
 PG054\_4 iadls- who helps- 4  
 PG054\_5 iadls- who helps- 5  
 PG054\_6 iadls- who helps- 6  
 PG061 iadl managing money help  
 PG062\_1 who helps manage money-1  
 PG062\_2 who helps manage money-2  
 Wave 13 Helper:  
 PADLNDX index connection to the adl table

PG069 helper relationship  
 PG070 freq of help given  
 PG071 # days helper helped  
 PG072 did helper help every dy  
 PG073 #hrs of help  
 PG076 helper given money to help  
 PIADLNDX index connection to the iadl table  
 PMNYNDX index connection to the money table

## Wave 14:

QA028 r in nursing home  
 QG013 chkpnt: count of g001 through g012  
 QG015 help w/dress  
 QG020 adl walk help  
 QG022 adl bathe help  
 QG024 adl eat help  
 QG029 adl bed help  
 QG031 adl toilet help  
 QG032\_1 who helps most- adl- 1  
 QG032\_2 who helps- adl- 2  
 QG032\_3 who helps- adl- 3  
 QG032\_4 who helps- adl- 4  
 QG032\_5 who helps- adl- 5  
 QG032\_6 who helps- adl- 6  
 QG032\_7 who helps- adl- 7  
 QG043 iadl meal preparation help  
 QG046 iadl groc shop help  
 QG049 iadl making phone calls help  
 QG053 iadl taking medications help  
 QG054\_1 iadls- who helps -1  
 QG054\_2 iadls- who helps- 2  
 QG054\_3 iadls- who helps- 3  
 QG054\_4 iadls- who helps- 4  
 QG054\_5 iadls- who helps- 5  
 QG054\_6 iadls- who helps- 6  
 QG061 iadl managing money help  
 QG062\_1 who helps manage money-1  
 QG062\_2 who helps manage money-2

## Wave 14 Helper:

QADLNDX INDEX CONNECTION TO THE ADL TABLE  
 QG069 HELPER RELATIONSHIP  
 QG070 FREQ OF HELP GIVEN  
 QG071 # DAYS HELPER HELPED  
 QG072 DID HELPER HELP EVERY DY  
 QG073 #HRS OF HELP  
 QG076 HELPER GIVEN MONEY TO HELP  
 QIADLNDX INDEX CONNECTION TO THE IADL TABLE  
 QMNYNDX INDEX CONNECTION TO THE MONEY TABLE

## Wave 15:

RA028 r in nursing home  
 RG013 chkpnt: count of g001 through g012  
 RG015 help w/dress  
 RG020 adl walk help  
 RG022 adl bathe help  
 RG024 adl eat help  
 RG029 adl bed help  
 RG031 adl toilet help  
 RG032\_1 who helps most- adl- 1  
 RG032\_2 who helps- adl- 2  
 RG032\_3 who helps- adl- 3  
 RG032\_4 who helps- adl- 4  
 RG032\_5 who helps- adl- 5  
 RG032\_6 who helps- adl- 6  
 RG032\_7 who helps- adl- 7

RG043 iadl meal preparation help  
RG046 iadl groc shop help  
RG049 iadl making phone calls help  
RG053 iadl taking medications help  
RG054\_1 iadls- who helps -1  
RG054\_2 iadls- who helps- 2  
RG054\_3 iadls- who helps- 3  
RG054\_4 iadls- who helps- 4  
RG054\_5 iadls- who helps- 5  
RG054\_6 iadls- who helps- 6  
RG061 iadl managing money help  
RG062\_1 who helps manage money-1  
RG062\_2 who helps manage money-2

## Wave 15 Helper:

RADLNDX INDEX CONNECTION TO THE ADL TABLE  
RG069 HELPER RELATIONSHIP  
RG070 FREQ OF HELP GIVEN  
RG071 # DAYS HELPER HELPED  
RG072 DID HELPER HELP EVERY DY  
RG073 #HRS OF HELP  
RG076 HELPER GIVEN MONEY TO HELP  
RIADLNDX INDEX CONNECTION TO THE IADL TABLE  
RMNYNDX INDEX CONNECTION TO THE MONEY TABLE

<b>Activities of Daily Living and Instrumental Activities of Daily Living: Receives Informal Care from Relatives</b>
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Wave	Variable	Label	Type
02	R2RRCARE	r2rrrcare:w2 r receives informal care from relatives for adls	Categ
03	R3RRCARE	r3rrrcare:w3 r receives informal care from relatives for adls	Categ
04	R4RRCARE	r4rrrcare:w4 r receives informal care from relatives for adls	Categ
05	R5RRCARE	r5rrrcare:w5 r receives informal care from relatives for adls	Categ
06	R6RRCARE	r6rrrcare:w6 r receives informal care from relatives for adls	Categ
07	R7RRCARE	r7rrrcare:w7 r receives informal care from relatives for adls	Categ
08	R8RRCARE	r8rrrcare:w8 r receives informal care from relatives for adls	Categ
09	R9RRCARE	r9rrrcare:w9 r receives informal care from relatives for adls	Categ
10	R10RRCARE	r10rrrcare:w10 r receives informal care from relatives for ad	Categ
11	R11RRCARE	r11rrrcare:w11 r receives informal care from relatives for ad	Categ
12	R12RRCARE	r12rrrcare:w12 r receives informal care from relatives for ad	Categ
13	R13RRCARE	r13rrrcare:w13 r receives informal care from relatives for ad	Categ
14	R14RRCARE	r14rrrcare:w14 r receives informal care from relatives for ad	Categ
15	R15RRCARE	r15rrrcare:w15 r receives informal care from relatives for ad	Categ
02	S2RRCARE	s2rrrcare:w2 s receives informal care from relatives for adls	Categ
03	S3RRCARE	s3rrrcare:w3 s receives informal care from relatives for adls	Categ
04	S4RRCARE	s4rrrcare:w4 s receives informal care from relatives for adls	Categ
05	S5RRCARE	s5rrrcare:w5 s receives informal care from relatives for adls	Categ
06	S6RRCARE	s6rrrcare:w6 s receives informal care from relatives for adls	Categ
07	S7RRCARE	s7rrrcare:w7 s receives informal care from relatives for adls	Categ
08	S8RRCARE	s8rrrcare:w8 s receives informal care from relatives for adls	Categ
09	S9RRCARE	s9rrrcare:w9 s receives informal care from relatives for adls	Categ
10	S10RRCARE	s10rrrcare:w10 s receives informal care from relatives for ad	Categ
11	S11RRCARE	s11rrrcare:w11 s receives informal care from relatives for ad	Categ
12	S12RRCARE	s12rrrcare:w12 s receives informal care from relatives for ad	Categ
13	S13RRCARE	s13rrrcare:w13 s receives informal care from relatives for ad	Categ
14	S14RRCARE	s14rrrcare:w14 s receives informal care from relatives for ad	Categ
15	S15RRCARE	s15rrrcare:w15 s receives informal care from relatives for ad	Categ
02	R2RRCAREN	r2rrrcaren:w2 # relatives who help r with adls/iadls	Cont
03	R3RRCAREN	r3rrrcaren:w3 # relatives who help r with adls/iadls	Cont
04	R4RRCAREN	r4rrrcaren:w4 # relatives who help r with adls/iadls	Cont
05	R5RRCAREN	r5rrrcaren:w5 # relatives who help r with adls/iadls	Cont
06	R6RRCAREN	r6rrrcaren:w6 # relatives who help r with adls/iadls	Cont
07	R7RRCAREN	r7rrrcaren:w7 # relatives who help r with adls/iadls	Cont
08	R8RRCAREN	r8rrrcaren:w8 # relatives who help r with adls/iadls	Cont
09	R9RRCAREN	r9rrrcaren:w9 # relatives who help r with adls/iadls	Cont
10	R10RRCAREN	r10rrrcaren:w10 # relatives who help r with adls/iadls	Cont
11	R11RRCAREN	r11rrrcaren:w11 # relatives who help r with adls/iadls	Cont
12	R12RRCAREN	r12rrrcaren:w12 # relatives who help r with adls/iadls	Cont
13	R13RRCAREN	r13rrrcaren:w13 # relatives who help r with adls/iadls	Cont
14	R14RRCAREN	r14rrrcaren:w14 # relatives who help r with adls/iadls	Cont
15	R15RRCAREN	r15rrrcaren:w15 # relatives who help r with adls/iadls	Cont
02	S2RRCAREN	s2rrrcaren:w2 # relatives who help s with adls/iadls	Cont
03	S3RRCAREN	s3rrrcaren:w3 # relatives who help s with adls/iadls	Cont
04	S4RRCAREN	s4rrrcaren:w4 # relatives who help s with adls/iadls	Cont
05	S5RRCAREN	s5rrrcaren:w5 # relatives who help s with adls/iadls	Cont
06	S6RRCAREN	s6rrrcaren:w6 # relatives who help s with adls/iadls	Cont
07	S7RRCAREN	s7rrrcaren:w7 # relatives who help s with adls/iadls	Cont
08	S8RRCAREN	s8rrrcaren:w8 # relatives who help s with adls/iadls	Cont
09	S9RRCAREN	s9rrrcaren:w9 # relatives who help s with adls/iadls	Cont
10	S10RRCAREN	s10rrrcaren:w10 # relatives who help s with adls/iadls	Cont
11	S11RRCAREN	s11rrrcaren:w11 # relatives who help s with adls/iadls	Cont
12	S12RRCAREN	s12rrrcaren:w12 # relatives who help s with adls/iadls	Cont
13	S13RRCAREN	s13rrrcaren:w13 # relatives who help s with adls/iadls	Cont

14	S14RRCAREN	s14rrcaren:w14 # relatives who help s with adls/iadls	Cont
15	S15RRCAREN	s15rrcaren:w15 # relatives who help s with adls/iadls	Cont
03	R3RRCAREDPM	r3rrcaredpm:w3 days/month relatives help r with adls/iadls	Cont
04	R4RRCAREDPM	r4rrcaredpm:w4 days/month relatives help r with adls/iadls	Cont
05	R5RRCAREDPM	r5rrcaredpm:w5 days/month relatives help r with adls/iadls	Cont
06	R6RRCAREDPM	r6rrcaredpm:w6 days/month relatives help r with adls/iadls	Cont
07	R7RRCAREDPM	r7rrcaredpm:w7 days/month relatives help r with adls/iadls	Cont
08	R8RRCAREDPM	r8rrcaredpm:w8 days/month relatives help r with adls/iadls	Cont
09	R9RRCAREDPM	r9rrcaredpm:w9 days/month relatives help r with adls/iadls	Cont
10	R10RRCAREDPM	r10rrcaredpm:w10 days/month relatives help r with adls/iadls	Cont
11	R11RRCAREDPM	r11rrcaredpm:w11 days/month relatives help r with adls/iadls	Cont
12	R12RRCAREDPM	r12rrcaredpm:w12 days/month relatives help r with adls/iadls	Cont
13	R13RRCAREDPM	r13rrcaredpm:w13 days/month relatives help r with adls/iadls	Cont
14	R14RRCAREDPM	r14rrcaredpm:w14 days/month relatives help r with adls/iadls	Cont
15	R15RRCAREDPM	r15rrcaredpm:w15 days/month relatives help r with adls/iadls	Cont
03	S3RRCAREDPM	s3rrcaredpm:w3 days/month relatives help s with adls/iadls	Cont
04	S4RRCAREDPM	s4rrcaredpm:w4 days/month relatives help s with adls/iadls	Cont
05	S5RRCAREDPM	s5rrcaredpm:w5 days/month relatives help s with adls/iadls	Cont
06	S6RRCAREDPM	s6rrcaredpm:w6 days/month relatives help s with adls/iadls	Cont
07	S7RRCAREDPM	s7rrcaredpm:w7 days/month relatives help s with adls/iadls	Cont
08	S8RRCAREDPM	s8rrcaredpm:w8 days/month relatives help s with adls/iadls	Cont
09	S9RRCAREDPM	s9rrcaredpm:w9 days/month relatives help s with adls/iadls	Cont
10	S10RRCAREDPM	s10rrcaredpm:w10 days/month relatives help s with adls/iadls	Cont
11	S11RRCAREDPM	s11rrcaredpm:w11 days/month relatives help s with adls/iadls	Cont
12	S12RRCAREDPM	s12rrcaredpm:w12 days/month relatives help s with adls/iadls	Cont
13	S13RRCAREDPM	s13rrcaredpm:w13 days/month relatives help s with adls/iadls	Cont
14	S14RRCAREDPM	s14rrcaredpm:w14 days/month relatives help s with adls/iadls	Cont
15	S15RRCAREDPM	s15rrcaredpm:w15 days/month relatives help s with adls/iadls	Cont
03	R3RRCAREDPMM	r3rrcaredpmm:w3 r # relatives missing days of help for adls/	Cont
04	R4RRCAREDPMM	r4rrcaredpmm:w4 r # relatives missing days of help for adls/	Cont
05	R5RRCAREDPMM	r5rrcaredpmm:w5 r # relatives missing days of help for adls/	Cont
06	R6RRCAREDPMM	r6rrcaredpmm:w6 r # relatives missing days of help for adls/	Cont
07	R7RRCAREDPMM	r7rrcaredpmm:w7 r # relatives missing days of help for adls/	Cont
08	R8RRCAREDPMM	r8rrcaredpmm:w8 r # relatives missing days of help for adls/	Cont
09	R9RRCAREDPMM	r9rrcaredpmm:w9 r # relatives missing days of help for adls/	Cont
10	R10RRCAREDPMM	r10rrcaredpmm:w10 r # relatives missing days of help for adl	Cont
11	R11RRCAREDPMM	r11rrcaredpmm:w11 r # relatives missing days of help for adl	Cont
12	R12RRCAREDPMM	r12rrcaredpmm:w12 r # relatives missing days of help for adl	Cont
13	R13RRCAREDPMM	r13rrcaredpmm:w13 r # relatives missing days of help for adl	Cont
14	R14RRCAREDPMM	r14rrcaredpmm:w14 r # relatives missing days of help for adl	Cont
15	R15RRCAREDPMM	r15rrcaredpmm:w15 r # relatives missing days of help for adl	Cont
03	S3RRCAREDPMM	s3rrcaredpmm:w3 s # relatives missing days of help for adls/	Cont
04	S4RRCAREDPMM	s4rrcaredpmm:w4 s # relatives missing days of help for adls/	Cont
05	S5RRCAREDPMM	s5rrcaredpmm:w5 s # relatives missing days of help for adls/	Cont
06	S6RRCAREDPMM	s6rrcaredpmm:w6 s # relatives missing days of help for adls/	Cont
07	S7RRCAREDPMM	s7rrcaredpmm:w7 s # relatives missing days of help for adls/	Cont
08	S8RRCAREDPMM	s8rrcaredpmm:w8 s # relatives missing days of help for adls/	Cont
09	S9RRCAREDPMM	s9rrcaredpmm:w9 s # relatives missing days of help for adls/	Cont
10	S10RRCAREDPMM	s10rrcaredpmm:w10 s # relatives missing days of help for adl	Cont
11	S11RRCAREDPMM	s11rrcaredpmm:w11 s # relatives missing days of help for adl	Cont
12	S12RRCAREDPMM	s12rrcaredpmm:w12 s # relatives missing days of help for adl	Cont
13	S13RRCAREDPMM	s13rrcaredpmm:w13 s # relatives missing days of help for adl	Cont
14	S14RRCAREDPMM	s14rrcaredpmm:w14 r # relatives missing days of help for adl	Cont
15	S15RRCAREDPMM	s15rrcaredpmm:w15 r # relatives missing days of help for adl	Cont
02	R2RRCAREHR	r2rrcarehr:w2 hours/day relatives help r with adls/iadls	Cont
03	R3RRCAREHR	r3rrcarehr:w3 hours/day relatives help r with adls/iadls	Cont
04	R4RRCAREHR	r4rrcarehr:w4 hours/day relatives help r with adls/iadls	Cont
05	R5RRCAREHR	r5rrcarehr:w5 hours/day relatives help r with adls/iadls	Cont

06	R6RRCAREHR	r6rrcarehr:w6 hours/day relatives help r with adls/iadls	Cont
07	R7RRCAREHR	r7rrcarehr:w7 hours/day relatives help r with adls/iadls	Cont
08	R8RRCAREHR	r8rrcarehr:w8 hours/day relatives help r with adls/iadls	Cont
09	R9RRCAREHR	r9rrcarehr:w9 hours/day relatives help r with adls/iadls	Cont
10	R10RRCAREHR	r10rrcarehr:w10 hours/day relatives help r with adls/iadls	Cont
11	R11RRCAREHR	r11rrcarehr:w11 hours/day relatives help r with adls/iadls	Cont
12	R12RRCAREHR	r12rrcarehr:w12 hours/day relatives help r with adls/iadls	Cont
13	R13RRCAREHR	r13rrcarehr:w13 hours/day relatives help r with adls/iadls	Cont
14	R14RRCAREHR	r14rrcarehr:w14 hours/day relatives help r with adls/iadls	Cont
15	R15RRCAREHR	r15rrcarehr:w15 hours/day relatives help r with adls/iadls	Cont
02	S2RRCAREHR	s2rrcarehr:w2 hours/day relatives help s with adls/iadls	Cont
03	S3RRCAREHR	s3rrcarehr:w3 hours/day relatives help s with adls/iadls	Cont
04	S4RRCAREHR	s4rrcarehr:w4 hours/day relatives help s with adls/iadls	Cont
05	S5RRCAREHR	s5rrcarehr:w5 hours/day relatives help s with adls/iadls	Cont
06	S6RRCAREHR	s6rrcarehr:w6 hours/day relatives help s with adls/iadls	Cont
07	S7RRCAREHR	s7rrcarehr:w7 hours/day relatives help s with adls/iadls	Cont
08	S8RRCAREHR	s8rrcarehr:w8 hours/day relatives help s with adls/iadls	Cont
09	S9RRCAREHR	s9rrcarehr:w9 hours/day relatives help s with adls/iadls	Cont
10	S10RRCAREHR	s10rrcarehr:w10 hours/day relatives help s with adls/iadls	Cont
11	S11RRCAREHR	s11rrcarehr:w11 hours/day relatives help s with adls/iadls	Cont
12	S12RRCAREHR	s12rrcarehr:w12 hours/day relatives help s with adls/iadls	Cont
13	S13RRCAREHR	s13rrcarehr:w13 hours/day relatives help s with adls/iadls	Cont
14	S14RRCAREHR	s14rrcarehr:w14 hours/day relatives help s with adls/iadls	Cont
15	S15RRCAREHR	s15rrcarehr:w15 hours/day relatives help s with adls/iadls	Cont
02	R2RRCAREHRM	r2rrcarehrm:w2 r # relatives missing hours of help for adls/	Cont
03	R3RRCAREHRM	r3rrcarehrm:w3 r # relatives missing hours of help for adls/	Cont
04	R4RRCAREHRM	r4rrcarehrm:w4 r # relatives missing hours of help for adls/	Cont
05	R5RRCAREHRM	r5rrcarehrm:w5 r # relatives missing hours of help for adls/	Cont
06	R6RRCAREHRM	r6rrcarehrm:w6 r # relatives missing hours of help for adls/	Cont
07	R7RRCAREHRM	r7rrcarehrm:w7 r # relatives missing hours of help for adls/	Cont
08	R8RRCAREHRM	r8rrcarehrm:w8 r # relatives missing hours of help for adls/	Cont
09	R9RRCAREHRM	r9rrcarehrm:w9 r # relatives missing hours of help for adls/	Cont
10	R10RRCAREHRM	r10rrcarehrm:w10 r # relatives missing hours of help for adl	Cont
11	R11RRCAREHRM	r11rrcarehrm:w11 r # relatives missing hours of help for adl	Cont
12	R12RRCAREHRM	r12rrcarehrm:w12 r # relatives missing hours of help for adl	Cont
13	R13RRCAREHRM	r13rrcarehrm:w13 r # relatives missing hours of help for adl	Cont
14	R14RRCAREHRM	r14rrcarehrm:w14 r # relatives missing hours of help for adl	Cont
15	R15RRCAREHRM	r15rrcarehrm:w15 r # relatives missing hours of help for adl	Cont
02	S2RRCAREHRM	s2rrcarehrm:w2 s # relatives missing hours of help for adls/	Cont
03	S3RRCAREHRM	s3rrcarehrm:w3 s # relatives missing hours of help for adls/	Cont
04	S4RRCAREHRM	s4rrcarehrm:w4 s # relatives missing hours of help for adls/	Cont
05	S5RRCAREHRM	s5rrcarehrm:w5 s # relatives missing hours of help for adls/	Cont
06	S6RRCAREHRM	s6rrcarehrm:w6 s # relatives missing hours of help for adls/	Cont
07	S7RRCAREHRM	s7rrcarehrm:w7 s # relatives missing hours of help for adls/	Cont
08	S8RRCAREHRM	s8rrcarehrm:w8 s # relatives missing hours of help for adls/	Cont
09	S9RRCAREHRM	s9rrcarehrm:w9 s # relatives missing hours of help for adls/	Cont
10	S10RRCAREHRM	s10rrcarehrm:w10 s # relatives missing hours of help for adl	Cont
11	S11RRCAREHRM	s11rrcarehrm:w11 s # relatives missing hours of help for adl	Cont
12	S12RRCAREHRM	s12rrcarehrm:w12 s # relatives missing hours of help for adl	Cont
13	S13RRCAREHRM	s13rrcarehrm:w13 s # relatives missing hours of help for adl	Cont
14	S14RRCAREHRM	s14rrcarehrm:w14 s # relatives missing hours of help for adl	Cont
15	S15RRCAREHRM	s15rrcarehrm:w15 s # relatives missing hours of help for adl	Cont
02	R2RRCAREPD	r2rrcarepd:w2 any relative paid for care given to r for adls	Categ
03	R3RRCAREPD	r3rrcarepd:w3 any relative paid for care given to r for adls	Categ
04	R4RRCAREPD	r4rrcarepd:w4 any relative paid for care given to r for adls	Categ
05	R5RRCAREPD	r5rrcarepd:w5 any relative paid for care given to r for adls	Categ
06	R6RRCAREPD	r6rrcarepd:w6 any relative paid for care given to r for adls	Categ
07	R7RRCAREPD	r7rrcarepd:w7 any relative paid for care given to r for adls	Categ
08	R8RRCAREPD	r8rrcarepd:w8 any relative paid for care given to r for adls	Categ

09	R9RRCAREPD	r9rrcarepd:w9 any relative paid for care given to r for adls	Categ
10	R10RRCAREPD	r10rrcarepd:w10 any relative paid for care given to r for ad	Categ
11	R11RRCAREPD	r11rrcarepd:w11 any relative paid for care given to r for ad	Categ
12	R12RRCAREPD	r12rrcarepd:w12 any relative paid for care given to r for ad	Categ
13	R13RRCAREPD	r13rrcarepd:w13 any relative paid for care given to r for ad	Categ
14	R14RRCAREPD	r14rrcarepd:w14 any relative paid for care given to r for ad	Categ
15	R15RRCAREPD	r15rrcarepd:w15 any relative paid for care given to r for ad	Categ
02	S2RRCAREPD	s2rrcarepd:w2 any relative paid for care given to s for adls	Categ
03	S3RRCAREPD	s3rrcarepd:w3 any relative paid for care given to s for adls	Categ
04	S4RRCAREPD	s4rrcarepd:w4 any relative paid for care given to s for adls	Categ
05	S5RRCAREPD	s5rrcarepd:w5 any relative paid for care given to s for adls	Categ
06	S6RRCAREPD	s6rrcarepd:w6 any relative paid for care given to s for adls	Categ
07	S7RRCAREPD	s7rrcarepd:w7 any relative paid for care given to s for adls	Categ
08	S8RRCAREPD	s8rrcarepd:w8 any relative paid for care given to s for adls	Categ
09	S9RRCAREPD	s9rrcarepd:w9 any relative paid for care given to s for adls	Categ
10	S10RRCAREPD	s10rrcarepd:w10 any relative paid for care given to s for ad	Categ
11	S11RRCAREPD	s11rrcarepd:w11 any relative paid for care given to s for ad	Categ
12	S12RRCAREPD	s12rrcarepd:w12 any relative paid for care given to s for ad	Categ
13	S13RRCAREPD	s13rrcarepd:w13 any relative paid for care given to s for ad	Categ
14	S14RRCAREPD	s14rrcarepd:w14 any relative paid for care given to s for ad	Categ
15	S15RRCAREPD	s15rrcarepd:w15 any relative paid for care given to s for ad	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RRCARE	2274	0.07	0.25	0.00	1.00
R3RRCARE	2656	0.09	0.29	0.00	1.00
R4RRCARE	3040	0.10	0.29	0.00	1.00
R5RRCARE	2787	0.09	0.29	0.00	1.00
R6RRCARE	2775	0.08	0.28	0.00	1.00
R7RRCARE	2958	0.09	0.29	0.00	1.00
R8RRCARE	2881	0.09	0.28	0.00	1.00
R9RRCARE	2703	0.08	0.27	0.00	1.00
R10RRCARE	3564	0.11	0.32	0.00	1.00
R11RRCARE	3349	0.10	0.30	0.00	1.00
R12RRCARE	3238	0.10	0.30	0.00	1.00
R13RRCARE	3334	0.11	0.31	0.00	1.00
R14RRCARE	2673	0.10	0.31	0.00	1.00
R15RRCARE	2280	0.10	0.30	0.00	1.00
S2RRCARE	1097	0.04	0.19	0.00	1.00
S3RRCARE	1320	0.04	0.20	0.00	1.00
S4RRCARE	1501	0.03	0.17	0.00	1.00
S5RRCARE	1367	0.03	0.17	0.00	1.00
S6RRCARE	1287	0.03	0.17	0.00	1.00
S7RRCARE	1424	0.04	0.19	0.00	1.00
S8RRCARE	1381	0.03	0.18	0.00	1.00
S9RRCARE	1220	0.02	0.15	0.00	1.00
S10RRCARE	1743	0.05	0.21	0.00	1.00
S11RRCARE	1601	0.04	0.20	0.00	1.00
S12RRCARE	1539	0.05	0.21	0.00	1.00
S13RRCARE	1514	0.05	0.21	0.00	1.00
S14RRCARE	1216	0.04	0.19	0.00	1.00
S15RRCARE	979	0.03	0.16	0.00	1.00
R2RRCAREN	2274	0.08	0.29	0.00	2.00
R3RRCAREN	2656	0.11	0.37	0.00	3.00
R4RRCAREN	3040	0.12	0.42	0.00	4.00
R5RRCAREN	2787	0.12	0.44	0.00	6.00
R6RRCAREN	2775	0.10	0.38	0.00	4.00
R7RRCAREN	2958	0.11	0.41	0.00	4.00



R8RRCAREN	2881	0.11	0.38	0.00	4.00
R9RRCAREN	2703	0.10	0.38	0.00	6.00
R10RRCAREN	3564	0.14	0.46	0.00	6.00
R11RRCAREN	3349	0.13	0.43	0.00	6.00
R12RRCAREN	3238	0.13	0.45	0.00	6.00
R13RRCAREN	3334	0.14	0.45	0.00	6.00
R14RRCAREN	2673	0.14	0.45	0.00	6.00
R15RRCAREN	2280	0.12	0.42	0.00	4.00
S2RRCAREN	1097	0.05	0.24	0.00	2.00
S3RRCAREN	1320	0.04	0.22	0.00	2.00
S4RRCAREN	1501	0.04	0.22	0.00	3.00
S5RRCAREN	1367	0.03	0.20	0.00	2.00
S6RRCAREN	1287	0.03	0.22	0.00	4.00
S7RRCAREN	1424	0.05	0.25	0.00	3.00
S8RRCAREN	1381	0.04	0.21	0.00	3.00
S9RRCAREN	1220	0.03	0.20	0.00	3.00
S10RRCAREN	1743	0.05	0.24	0.00	2.00
S11RRCAREN	1601	0.05	0.24	0.00	2.00
S12RRCAREN	1539	0.06	0.28	0.00	3.00
S13RRCAREN	1514	0.05	0.28	0.00	4.00
S14RRCAREN	1216	0.05	0.25	0.00	3.00
S15RRCAREN	979	0.03	0.22	0.00	3.00
R3RRCAREDPM	2650	1.71	7.65	0.00	93.00
R4RRCAREDPM	3022	1.63	7.39	0.00	105.00
R5RRCAREDPM	2767	1.48	7.23	0.00	106.00
R6RRCAREDPM	2769	1.30	6.43	0.00	62.00
R7RRCAREDPM	2951	1.24	6.22	0.00	90.00
R8RRCAREDPM	2872	1.27	6.44	0.00	75.00
R9RRCAREDPM	2701	1.22	5.78	0.00	62.00
R10RRCAREDPM	3559	1.56	7.02	0.00	93.00
R11RRCAREDPM	3343	1.43	6.63	0.00	93.00
R12RRCAREDPM	3232	1.38	6.65	0.00	123.00
R13RRCAREDPM	3324	1.38	6.43	0.00	124.00
R14RRCAREDPM	2655	1.34	6.55	0.00	130.00
R15RRCAREDPM	2273	1.41	6.48	0.00	96.00
S3RRCAREDPM	1319	0.61	4.12	0.00	62.00
S4RRCAREDPM	1499	0.38	3.22	0.00	60.00
S5RRCAREDPM	1363	0.23	2.19	0.00	46.00
S6RRCAREDPM	1286	0.37	3.47	0.00	62.00
S7RRCAREDPM	1424	0.60	4.19	0.00	62.00
S8RRCAREDPM	1380	0.40	3.26	0.00	50.00
S9RRCAREDPM	1220	0.27	2.49	0.00	31.00
S10RRCAREDPM	1742	0.54	3.77	0.00	62.00
S11RRCAREDPM	1600	0.42	3.16	0.00	46.00
S12RRCAREDPM	1539	0.55	3.96	0.00	62.00
S13RRCAREDPM	1513	0.39	2.68	0.00	31.00
S14RRCAREDPM	1210	0.30	2.42	0.00	31.00
S15RRCAREDPM	977	0.37	2.93	0.00	35.00
R3RRCAREDPMM	2656	0.00	0.06	0.00	2.00
R4RRCAREDPMM	3040	0.00	0.07	0.00	2.00
R5RRCAREDPMM	2787	0.01	0.09	0.00	3.00
R6RRCAREDPMM	2775	0.00	0.05	0.00	1.00
R7RRCAREDPMM	2958	0.00	0.06	0.00	1.00
R8RRCAREDPMM	2881	0.00	0.06	0.00	1.00
R9RRCAREDPMM	2703	0.00	0.04	0.00	1.00
R10RRCAREDPMM	3564	0.00	0.05	0.00	1.00
R11RRCAREDPMM	3349	0.00	0.07	0.00	3.00
R12RRCAREDPMM	3238	0.00	0.06	0.00	1.00
R13RRCAREDPMM	3334	0.00	0.07	0.00	1.00

R14RRCAREDPMM	2673	0.01	0.11	0.00	3.00
R15RRCAREDPMM	2280	0.00	0.08	0.00	2.00
S3RRCAREDPMM	1320	0.00	0.00	0.00	0.00
S4RRCAREDPMM	1501	0.00	0.03	0.00	1.00
S5RRCAREDPMM	1367	0.00	0.05	0.00	1.00
S6RRCAREDPMM	1287	0.00	0.04	0.00	1.00
S7RRCAREDPMM	1424	0.00	0.00	0.00	0.00
S8RRCAREDPMM	1381	0.00	0.03	0.00	1.00
S9RRCAREDPMM	1220	0.00	0.00	0.00	0.00
S10RRCAREDPMM	1743	0.00	0.03	0.00	1.00
S11RRCAREDPMM	1601	0.00	0.02	0.00	1.00
S12RRCAREDPMM	1539	0.00	0.03	0.00	1.00
S13RRCAREDPMM	1514	0.00	0.03	0.00	1.00
S14RRCAREDPMM	1216	0.00	0.07	0.00	1.00
S15RRCAREDPMM	979	0.00	0.07	0.00	2.00
R2RRCAREHR	2224	0.17	1.29	0.00	24.00
R3RRCAREHR	2629	0.35	2.03	0.00	32.00
R4RRCAREHR	3011	0.44	2.80	0.00	72.00
R5RRCAREHR	2761	0.35	2.09	0.00	48.00
R6RRCAREHR	2752	0.39	2.38	0.00	48.00
R7RRCAREHR	2923	0.35	2.29	0.00	72.00
R8RRCAREHR	2848	0.34	2.09	0.00	48.00
R9RRCAREHR	2682	0.34	2.07	0.00	35.00
R10RRCAREHR	3516	0.44	2.29	0.00	48.00
R11RRCAREHR	3303	0.35	1.88	0.00	48.00
R12RRCAREHR	3198	0.37	2.10	0.00	48.00
R13RRCAREHR	3302	0.38	1.93	0.00	48.00
R14RRCAREHR	2638	0.36	1.86	0.00	37.00
R15RRCAREHR	2259	0.33	1.56	0.00	20.00
S2RRCAREHR	1085	0.14	1.38	0.00	24.00
S3RRCAREHR	1315	0.14	0.99	0.00	24.00
S4RRCAREHR	1496	0.09	0.88	0.00	26.00
S5RRCAREHR	1364	0.09	0.85	0.00	24.00
S6RRCAREHR	1283	0.12	1.15	0.00	24.00
S7RRCAREHR	1419	0.11	0.72	0.00	12.00
S8RRCAREHR	1376	0.10	0.74	0.00	10.00
S9RRCAREHR	1214	0.08	0.90	0.00	24.00
S10RRCAREHR	1736	0.13	0.87	0.00	16.00
S11RRCAREHR	1589	0.13	1.06	0.00	24.00
S12RRCAREHR	1527	0.16	1.20	0.00	24.00
S13RRCAREHR	1510	0.15	1.18	0.00	28.00
S14RRCAREHR	1207	0.10	0.89	0.00	24.00
S15RRCAREHR	977	0.10	0.92	0.00	18.00
R2RRCAREHRM	2274	0.02	0.16	0.00	2.00
R3RRCAREHRM	2656	0.01	0.11	0.00	2.00
R4RRCAREHRM	3040	0.01	0.12	0.00	2.00
R5RRCAREHRM	2787	0.01	0.13	0.00	3.00
R6RRCAREHRM	2775	0.01	0.11	0.00	2.00
R7RRCAREHRM	2958	0.02	0.14	0.00	2.00
R8RRCAREHRM	2881	0.02	0.14	0.00	2.00
R9RRCAREHRM	2703	0.01	0.13	0.00	3.00
R10RRCAREHRM	3564	0.02	0.18	0.00	4.00
R11RRCAREHRM	3349	0.02	0.16	0.00	3.00
R12RRCAREHRM	3238	0.02	0.18	0.00	4.00
R13RRCAREHRM	3334	0.02	0.13	0.00	2.00
R14RRCAREHRM	2673	0.02	0.16	0.00	3.00
R15RRCAREHRM	2280	0.01	0.12	0.00	2.00
S2RRCAREHRM	1097	0.01	0.11	0.00	1.00

S3RRCAREHRM	1320	0.00	0.06	0.00	1.00
S4RRCAREHRM	1501	0.00	0.06	0.00	1.00
S5RRCAREHRM	1367	0.00	0.07	0.00	2.00
S6RRCAREHRM	1287	0.01	0.07	0.00	1.00
S7RRCAREHRM	1424	0.01	0.07	0.00	1.00
S8RRCAREHRM	1381	0.00	0.06	0.00	1.00
S9RRCAREHRM	1220	0.01	0.08	0.00	1.00
S10RRCAREHRM	1743	0.00	0.06	0.00	1.00
S11RRCAREHRM	1601	0.01	0.09	0.00	1.00
S12RRCAREHRM	1539	0.01	0.13	0.00	3.00
S13RRCAREHRM	1514	0.00	0.06	0.00	1.00
S14RRCAREHRM	1216	0.01	0.11	0.00	2.00
S15RRCAREHRM	979	0.00	0.06	0.00	1.00
R2RRCAREPD	2231	0.00	0.07	0.00	1.00
R3RRCAREPD	2641	0.01	0.08	0.00	1.00
R4RRCAREPD	3025	0.01	0.09	0.00	1.00
R5RRCAREPD	2777	0.01	0.08	0.00	1.00
R6RRCAREPD	2758	0.01	0.09	0.00	1.00
R7RRCAREPD	2936	0.00	0.07	0.00	1.00
R8RRCAREPD	2858	0.01	0.09	0.00	1.00
R9RRCAREPD	2686	0.01	0.07	0.00	1.00
R10RRCAREPD	3535	0.01	0.10	0.00	1.00
R11RRCAREPD	3323	0.01	0.09	0.00	1.00
R12RRCAREPD	3216	0.01	0.09	0.00	1.00
R13RRCAREPD	3309	0.01	0.09	0.00	1.00
R14RRCAREPD	2650	0.01	0.09	0.00	1.00
R15RRCAREPD	2268	0.01	0.11	0.00	1.00
S2RRCAREPD	1087	0.00	0.07	0.00	1.00
S3RRCAREPD	1315	0.00	0.06	0.00	1.00
S4RRCAREPD	1499	0.00	0.06	0.00	1.00
S5RRCAREPD	1366	0.00	0.05	0.00	1.00
S6RRCAREPD	1285	0.00	0.06	0.00	1.00
S7RRCAREPD	1421	0.00	0.04	0.00	1.00
S8RRCAREPD	1376	0.01	0.08	0.00	1.00
S9RRCAREPD	1215	0.00	0.00	0.00	0.00
S10RRCAREPD	1739	0.00	0.07	0.00	1.00
S11RRCAREPD	1591	0.00	0.07	0.00	1.00
S12RRCAREPD	1531	0.01	0.08	0.00	1.00
S13RRCAREPD	1511	0.00	0.06	0.00	1.00
S14RRCAREPD	1212	0.00	0.05	0.00	1.00
S15RRCAREPD	978	0.00	0.06	0.00	1.00

### Categorical Variable Codes

Value-----	R2RRCARE	R3RRCARE	R4RRCARE	R5RRCARE
.d:DK	25	4	3	
.f:infrequent care	65			
.h:no help received	495	1580	1804	1754
.m:Missing	2	43	28	
.q:not asked this wave	11595			
.r:Refuse			1	1
.x:no difficulties	5361	13708	16508	15036
0.no	2121	2408	2751	2530
1.yes	153	248	289	257

Value-----	R6RRCARE	R7RRCARE	R8RRCARE	R9RRCARE	R10RRCARE
.d:DK	2	3		7	12
.h:no help received	1594	1671	1712	1594	1998
.m:Missing	7	10	7	2	2
.r:Refuse	3		1		3
.x:no difficulties	13784	15487	13868	12911	16455
0.no	2542	2693	2629	2482	3162
1.yes	233	265	252	221	402

Value-----	R11RRCARE	R12RRCARE	R13RRCARE	R14RRCARE	R15RRCARE
.d:DK	22	21	21	19	28
.h:no help received	1778	1760	1925	1594	1859
.m:Missing		1		1	5
.r:Refuse	3	8	3	7	2
.x:no difficulties	15402	13719	15629	12852	11549
0.no	3017	2921	2974	2393	2059
1.yes	332	317	360	280	221
Value-----	S2RRCARE	S3RRCARE	S4RRCARE	S5RRCARE	
.d:DK	6	2			
.f:infrequent care	29				
.h:no help received	199	838	956	934	
.m:Missing	1	15	7		
.q:not asked this wave	8738				
.u:not coupled	5976	5659	6870	6537	
.v:SP NR	578	416	536	311	
.x:no difficulties	3018	9741	11514	10429	
0.no	1055	1264	1454	1325	
1.yes	42	56	47	42	
Value-----	S6RRCARE	S7RRCARE	S8RRCARE	S9RRCARE	S10RRCARE
.d:DK	2	2		2	5
.h:no help received	797	824	851	767	929
.m:Missing	3	1	1	2	
.r:Refuse	1				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	9544	10717	9495	8649	10830
0.no	1249	1369	1336	1190	1663
1.yes	38	55	45	30	80
Value-----	S11RRCARE	S12RRCARE	S13RRCARE	S14RRCARE	S15RRCARE
.d:DK	8	7	9	2	8
.h:no help received	858	775	798	623	873
.m:Missing				1	2
.r:Refuse			1	2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10009	8691	9456	7514	6603
0.no	1531	1466	1444	1169	952
1.yes	70	73	70	47	27
Value-----	R2RRCAREPD	R3RRCAREPD	R4RRCAREPD	R5RRCAREPD	
.d:DK	25	4	3		
.f:infrequent care	65				
.h:no help received	495	1580	1804	1754	
.m:Missing	2	58	41	10	
.q:not asked this wave	11595				
.r:Refuse			3	1	
.w:less than weekly help	43				
.x:no difficulties	5361	13708	16508	15036	
0.no	2220	2624	3002	2761	
1.yes	11	17	23	16	
Value-----	R6RRCAREPD	R7RRCAREPD	R8RRCAREPD	R9RRCAREPD	R10RRCAREPD
.d:DK	3	5	1	7	13
.h:no help received	1594	1671	1712	1594	1998
.m:Missing	23	30	29	19	29
.r:Refuse	3	1	1		4
.x:no difficulties	13784	15487	13868	12911	16455
0.no	2735	2922	2833	2671	3498
1.yes	23	14	25	15	37
Value-----	R11RRCAREPD	R12RRCAREPD	R13RRCAREPD	R14RRCAREPD	R15RRCAREPD
.d:DK	22	22	24	19	28
.h:no help received	1778	1760	1925	1594	1859
.m:Missing	26	22	22	22	17
.r:Refuse	3	8	3	9	2
.x:no difficulties	15402	13719	15629	12852	11549
0.no	3297	3190	3281	2628	2239
1.yes	26	26	28	22	29
Value-----	S2RRCAREPD	S3RRCAREPD	S4RRCAREPD	S5RRCAREPD	
.d:DK	6	2			

.f:infrequent care			29				
.h:no help received			199	838	956	934	
.m:Missing			1	20	9	1	
.q:not asked this wave			8738				
.u:not coupled			5976	5659	6870	6537	
.v:SP NR			578	416	536	311	
.w:less than weekly help			10				
.x:no difficulties			3018	9741	11514	10429	
0.no			1082	1311	1494	1363	
1.yes			5	4	5	3	
Value-----		S6RRCAREPD	S7RRCAREPD	S8RRCAREPD	S9RRCAREPD	S10RRCAREPD	
.d:DK			2	1	2	5	
.h:no help received		797	824	851	767	929	
.m:Missing		5	4	5	7	4	
.r:Refuse		1				1	
.u:not coupled		6313	6781	6424	6212	7804	
.v:SP NR		220	380	317	365	722	
.x:no difficulties		9544	10717	9495	8649	10830	
0.no		1281	1419	1368	1215	1731	
1.yes		4	2	8		8	
Value-----		S11RRCAREPD	S12RRCAREPD	S13RRCAREPD	S14RRCAREPD	S15RRCAREPD	
.d:DK		8	7	9	2	8	
.h:no help received		858	775	798	623	873	
.m:Missing		10	8	3	5	3	
.r:Refuse				1	2	1	
.u:not coupled		7483	7125	8025	6684	6202	
.v:SP NR		595	610	1109	1104	1055	
.x:no difficulties		10009	8691	9456	7514	6603	
0.no		1584	1521	1505	1209	974	
1.yes		7	10	6	3	4	

## How Constructed:

The following variables indicate whether any of the respondent's relatives help the respondent with any ADL or IADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs, up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL or IADL, and are coded as special missing .h if the respondent reports difficulty with an ADL or IADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRRCARE, RwRRCAREN, RwRRCAREDP, RwRRCAREDPMM, RwRRCAREHR, RwRRCAREHRM, and RwRRCAREPD include help from the respondent's other relative in the AHEAD cohort in Wave 2. These variables include help from the respondent's sibling, sibling of spouse, parent or parent-in-law, and other relative in Waves 3 through 5. These variables include help from the respondent's father, father of spouse/partner, mother, mother of spouse/partner, parents, brother, brother of spouse/partner, sister, sister of spouse/partner, or other relative in Waves 6 and onward.

RwRRCARE indicates whether any of the respondent's relatives help the respondent with ADL or IADL needs. RwRRCAREN indicates the number of the respondent's relatives who help the respondent with ADL or IADL needs. RwRRCARE is coded as 0 if none of the respondent's relatives help the respondent with ADLs or IADLs, and is coded as 1 if at least one of the respondent's relatives help the respondent with ADLs or IADLs. In Wave 2, RwRRCARE and RwRRCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRRCARE and RwRRCAREN are not available in Wave 1.

RwRRCAREDPM indicates the number of total days per month the respondent's relatives help the respondent with ADL or IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRRCAREDPM is the sum of days per month for all relative helpers, and so values can be over 31 days. RwRRCAREDPM is calculated as long as there is one non-missing value. RwRRCAREDPMM indicates the number of relatives who helped the respondent for whom no value of days was reported and was not accounted for in RwRRCAREDPM. RwRRCAREDPMM is assigned special missing .m if the respondent was not helped by any relatives or prior information was missing. RwRRCAREDPM and RwRRCAREDPMM are not available in Waves 1 and 2.

RwRRCAREHR indicates the number of hours per day the respondent's relatives help the respondent with ADL or IADL needs. Respondents are asked, on days their relatives help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RwRRCAREHR is the sum of hours per day for all relative helpers, and so values can be over 24 hours. RwRRCAREHR is calculated as long as there is one non-missing value. RwRRCAREHRM indicates the number of relatives who helped the respondent for whom no value of hours was reported and was not accounted for in RwRRCAREHR. RwRRCAREHR is assigned a special missing .w in the AHEAD cohort in Wave 2 if this question is not asked because the respondent's relatives help less than once per week. RwRRCAREHRM is assigned special missing .m if the respondent was not helped by any relatives or prior information was missing. In Wave 2, RwRRCAREHR and RwRRCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRRCAREHR and RwRRCAREHRM are not available in Wave 1.

RwRRCAREPD indicates whether any of the respondent's relative helpers are paid for the care given to the respondent for ADL or IADL needs. RwRRCAREPD is assigned a value of 0 if the respondent receives no care from relatives, or the respondent does receive care from relatives and none of them are paid. RwRRCAREPD is assigned a value of 1 if the respondent receives care from relatives and at least one of them is paid for the care given to the respondent. RwRRCAREPD is assigned a special missing .w in the AHEAD cohort in Wave 2 if this question is not asked because the respondent's relatives help less than once per week. In Wave 2, RwRRCAREPD is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRRCAREPD is not available in Wave 1.

SwRRCARE, SwRRCAREN, SwRRCAREDPM, SwRRCAREHR, and SwRRCAREPD indicate whether the respondent's current wave's spouse receives help from relatives, the number, the frequency with which, and whether any are paid, and their values are taken from RwRRCARE, RwRRCAREN, RwRRCAREDPM, RwRRCAREHR, and RwRRCAREPD. SwRRCAREDPMM and SwRRCAREHRM indicate the number of relatives who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RwRRCAREDPMM and RwRRCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs or IADLs at all in Wave 1 and in the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs, up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Respondents are asked who helps them with ADLs or IADLs, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWRRCARE, RWRRCAREN, and RWRRCAREPD are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RWRRCARE, RWRRCAREN, and RWRRCAREPD are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a relative helps them with ADLs or IADLs, and were asked how frequently and the number of hours that the relative provides help. However, the frequency of help is not comparable to other waves and so RWRRCAREDPM and RWRRCAREDPMM are not available in this wave. The number of hours that the relative helps is comparable, and so RWRRCAREHR and RWRRCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RWRRCAREHR and RWRRCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with ADLs or IADLs, and are asked about the number of days or number of hours that the respondent's relative helps the respondent. As such, RWRRCAREDPM and RWRRCAREDPMM are available beginning in Wave 3.

In the AHEAD cohort in Wave 2, respondents are not asked whether the helper is paid if they help less than once per week. Starting in Wave 3, respondents are asked whether the helper is paid regardless of the frequency of the help.

### HRS Variables Used:

#### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10MEALSA	r10mealsa:w10 r any diff-prepare hot meal
R10MEDSA	r10medsa:w10 r any diff-take medications
R10MONEYA	r10moneya:w10 r any diff-managing money
R10PHONEA	r10phonea:w10 r any diff-use telephone
R10SHOPA	r10shopa:w10 r any diff-shop for grocery
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11MEALSA	r11mealsa:w11 r any diff-prepare hot meal
R11MEDSA	r11medsa:w11 r any diff-take medications
R11MONEYA	r11moneya:w11 r any diff-managing money
R11PHONEA	r11phonea:w11 r any diff-use telephone
R11SHOPA	r11shopa:w11 r any diff-shop for grocery
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed
R12DRESSA	r12dressa:w12 r any diff-dressing
R12EATA	r12eata:w12 r any diff-eating
R12MEALSA	r12mealsa:w12 r any diff-prepare hot meal
R12MEDSA	r12medsa:w12 r any diff-take medications
R12MONEYA	r12moneya:w12 r any diff-managing money
R12PHONEA	r12phonea:w12 r any diff-use telephone
R12SHOPA	r12shopa:w12 r any diff-shop for grocery
R12TOILTA	r12toilta:w12 r any diff-using the toilet
R12WALKRA	r12walkra:w12 r any diff-walk across room
R13BATHA	r13batha:w13 r any diff-bathing, shower
R13BEDA	r13beda:w13 r any diff-get in/out bed

R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13MEALSA r13mealsa:w13 r any diff-prepare hot meal  
R13MEDSA r13medsa:w13 r any diff-take medications  
R13MONEYA r13moneya:w13 r any diff-managing money  
R13PHONEA r13phonea:w13 r any diff-use telephone  
R13SHOPA r13shopa:w13 r any diff-shop for grocery  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14MEALSA r14mealsa:w14 r any diff-prepare hot meal  
R14MEDSA r14medsa:w14 r any diff-take medications  
R14MONEYA r14moneya:w14 r any diff-managing money  
R14PHONEA r14phonea:w14 r any diff-use telephone  
R14SHOPA r14shopa:w14 r any diff-shop for grocery  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15MEALSA r15mealsa:w15 r any diff-prepare hot meal  
R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
R5MEDSA r5medsa:w5 r any diff-take medications  
R5MONEYA r5moneya:w5 r any diff-managing money  
R5PHONEA r5phonea:w5 r any diff-use telephone  
R5SHOPA r5shopa:w5 r any diff-shop for grocery  
R5TOILTA r5toilta:w5 r any diff-using the toilet



R5WALKRA	r5walkra:w5 r any diff-walk across room
R6BATHA	r6batha:w6 r any diff-bathing, shower
R6BEDA	r6beda:w6 r any diff-get in/out bed
R6DRESSA	r6dressa:w6 r any diff-dressing
R6EATA	r6eata:w6 r any diff-eating
R6MEALSA	r6mealsa:w6 r any diff-prepare hot meal
R6MEDSA	r6medsa:w6 r any diff-take medications
R6MONEYA	r6moneya:w6 r any diff-managing money
R6PHONEA	r6phonea:w6 r any diff-use telephone
R6SHOPA	r6shopa:w6 r any diff-shop for grocery
R6TOILTA	r6toilta:w6 r any diff-using the toilet
R6WALKRA	r6walkra:w6 r any diff-walk across room
R7BATHA	r7batha:w7 r any diff-bathing, shower
R7BEDA	r7beda:w7 r any diff-get in/out bed
R7DRESSA	r7dressa:w7 r any diff-dressing
R7EATA	r7eata:w7 r any diff-eating
R7MEALSA	r7mealsa:w7 r any diff-prepare hot meal
R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R7TOILTA	r7toilta:w7 r any diff-using the toilet
R7WALKRA	r7walkra:w7 r any diff-walk across room
R8BATHA	r8batha:w8 r any diff-bathing, shower
R8BEDA	r8beda:w8 r any diff-get in/out bed
R8DRESSA	r8dressa:w8 r any diff-dressing
R8EATA	r8eata:w8 r any diff-eating
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty

B823 e45. toilet who helps  
 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  
 B913 e54. iadls-who helps most often  
 B924 e55a.iadls who other helper  
 B948 e57. iadl money  
 B950 e58. money who helps

## Wave 2 AHEAD Helper:

BRELATEP HELPER RELATION TO R  
 HN HELPER NUMBER  
 OPN OTHER PERSON NUMBER  
 OTHRHELP OTHER HELPER RELATION TO R  
 V992 E60. HELPER HOW OFTEN  
 V993 E61. HELPER HOURS PER DAY

## Wave 2 AHEAD HHLIST:

OPN OTHER PERSON NUMBER  
 RELATE\_F RELATIONSHIP TO FEMALE R  
 RELATE\_M RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN\_INHH hrs w2: # in hhold (r1/r2 only)

## Wave 3 AHEAD:

D1870 adlck.ckpt for skipping adl series  
 D1877 e72f.adl walk help  
 D1887 e73f.adl dress help  
 D1897 e74f.adl bathe help  
 D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7  
 D2024 e95c.iadl meals help  
 D2029 e96c.iadl groc help  
 D2034 e97c.iadl phone help  
 D2039 e98c.iadl med help  
 D2041 e99.iadls-who help,1  
 D2050 e100.iadls-who help,2  
 D2055 e101.iadls-who help,3  
 D2061 e102.iadls-who help,4  
 D2067 e103.iadls-who help,5  
 D2073 e104.iadls-who help,6  
 D2102 e106c.iadl money who help,1  
 D2107 e107. money help-1  
 D2115 e107c.iadl money who help,2  
 D2121 e108. money helper-2

## Wave 3 AHEAD Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
 E1901 e72f.adl walk help  
 E1911 e73f.adl dress help

E1921 e74f.adl bathe help  
 E1931 e75f.adl eat help  
 E1944 e76f.adl bed help  
 E1954 e77f.adl toilet help  
 E1976 e83.who help-11  
 E1990 e84.who help-2  
 E1999 e85.who help-3  
 E2003 e86.who help-4  
 E2007 e87.who help-5  
 E2011 e88.who help-6  
 E2015 e89.who help-7  
 E2039 e95c.iadl meals help  
 E2044 e96c.iadl groc help  
 E2049 e97c.iadl phone help  
 E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2426 e73f.adl dress help  
 F2431 e72.adl walk help  
 F2447 e74f.adl bathe help  
 F2457 e75f.adl eat help  
 F2470 e76f.adl bed help  
 F2480 e77f.adl toilet help  
 F2502 e83.who help-11  
 F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help  
 F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help

F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4  
 F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6  
 F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

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  
 F2658 E158-2. HELPER OFTEN  
 F2659 E158A-2.HELPER PER WEEK  
 F2660 E158B-2.HELPER EVERY DAY  
 F2662 E159-2. HELPER HOURS  
 F2665 E162-2. HELPER PAID  
 OPN OTHER PERSON NUMBER

## Wave 5:

G2724 e73f.adl dress help  
 G2729 e72y1.adl walk help  
 G2745 e74f.adl bathe help  
 G2755 e75f.adl eat help  
 G2768 e76f.adl bed help  
 G2778 e77f.adl toilet help  
 G2800 e83.who help-11  
 G2814 e84.who help-2  
 G2823 e85.who help-3  
 G2827 e86.who help-4  
 G2831 e87.who help-5  
 G2835 e88.who help-6  
 G2839 e89.who help-7  
 G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help  
 G2873 e97c.iadl phone help  
 G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2  
 G558 cs11.r in nursing home

## Wave 5 Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HA028 r in nursing home  
 HG013 chkpnt: count of hg001 through hg012  
 HG015 help w/dress  
 HG020 adl walk help  
 HG022 adl bathe help  
 HG024 adl eat help  
 HG029 adl bed help  
 HG031 adl toilet help  
 HG032\_1 who helps most- adl- 1  
 HG032\_2 who helps- adl- 2  
 HG032\_3 who helps- adl- 3  
 HG032\_4 who helps- adl- 4  
 HG032\_5 who helps- adl- 5  
 HG032\_6 who helps- adl- 6  
 HG032\_7 who helps- adl- 7  
 HG043 iadl meal preparation help  
 HG046 iadl groc shop help  
 HG049 iadl making phone calls help  
 HG053 iadl taking medications help  
 HG054\_1 iadls- who helps most-1  
 HG054\_2 iadls- who helps- 2  
 HG054\_3 iadls- who helps- 3  
 HG054\_4 iadls- who helps- 4  
 HG054\_5 iadls- who helps- 5  
 HG054\_6 iadls- who helps- 6  
 HG061 iadl managing money help  
 HG062\_1 who helps manage money-1  
 HG062\_2 who helps manage money-2

## Wave 6 Helper:

HADLNDX adl helper index  
 HG069 helper relationship  
 HG070 freq of help given- days in last month  
 HG071 freq of help given- days per week  
 HG072 did helper help every dy  
 HG073 #hrs of help  
 HG076 helper paid to help  
 HIADLNDX iadl helper index  
 HMNYNDX money helper index

## Wave 7:

JA028 r in nursing home  
 JG013 chkpnt: count of jg001 through jg012  
 JG015 help w/dress  
 JG020 adl walk help  
 JG022 adl bathe help  
 JG024 adl eat help  
 JG029 adl bed help  
 JG031 adl toilet help  
 JG032\_1 who helps most- adl- 1  
 JG032\_2 who helps- adl- 2  
 JG032\_3 who helps- adl- 3  
 JG032\_4 who helps- adl- 4  
 JG032\_5 who helps- adl- 5  
 JG032\_6 who helps- adl- 6  
 JG032\_7 who helps- adl- 7  
 JG043 iadl meal preparation help  
 JG046 iadl groc shop help  
 JG049 iadl making phone calls help  
 JG053 iadl taking medications help  
 JG054\_1 iadls- who helps most-1

JG054\_2 iadls- who helps- 2  
 JG054\_3 iadls- who helps- 3  
 JG054\_4 iadls- who helps- 4  
 JG054\_5 iadls- who helps- 5  
 JG054\_6 iadls- who helps- 6  
 JG061 iadl managing money help  
 JG062\_1 who helps manage money-1  
 JG062\_2 who helps manage money-2

## Wave 7 Helper:

JADLNDX index connection to the adl table  
 JG069 helper relationship  
 JG070 freq of help given-days last month  
 JG071 # days helper helped  
 JG072 did helper help every dy  
 JG073 #hrs of help  
 JG076 helper given money to help  
 JIADLNDX index connection to the iadl table  
 JMNYNDX index connection to the money table

## Wave 8:

KA028 r in nursing home  
 KG013 chkpnt: count of jg001 through jg012  
 KG015 help w/dress  
 KG020 adl walk help  
 KG022 adl bathe help  
 KG024 adl eat help  
 KG029 adl bed help  
 KG031 adl toilet help  
 KG032\_1 who helps most- adl- 1  
 KG032\_2 who helps- adl- 2  
 KG032\_3 who helps- adl- 3  
 KG032\_4 who helps- adl- 4  
 KG032\_5 who helps- adl- 5  
 KG032\_6 who helps- adl- 6  
 KG032\_7 who helps- adl- 7  
 KG043 iadl meal preparation help  
 KG046 iadl groc shop help  
 KG049 iadl making phone calls help  
 KG053 iadl taking medications help  
 KG054\_1 iadls- who helps most-1  
 KG054\_2 iadls- who helps- 2  
 KG054\_3 iadls- who helps- 3  
 KG054\_4 iadls- who helps- 4  
 KG054\_5 iadls- who helps- 5  
 KG054\_6 iadls- who helps- 6  
 KG061 iadl managing money help  
 KG062\_1 who helps manage money-1  
 KG062\_2 who helps manage money-2

## Wave 8 Helper:

KADLNDX index connection to the adl table  
 KG069 helper relationship  
 KG070 freq of help given-days last month  
 KG071 # days helper helped  
 KG072 did helper help every dy  
 KG073 #hrs of help  
 KG076 helper given money to help  
 KIADLNDX index connection to the iadl table  
 KMNYNDX index connection to the money table

## Wave 9:

LA028 r in nursing home  
 LG013 chkpnt: count of lg001 through lg012  
 LG015 help w/dress  
 LG020 adl walk help  
 LG022 adl bathe help

LG024	adl eat help
LG029	adl bed help
LG031	adl toilet help
LG032_1	who helps most- adl- 1
LG032_2	who helps- adl- 2
LG032_3	who helps- adl- 3
LG032_4	who helps- adl- 4
LG032_5	who helps- adl- 5
LG032_6	who helps- adl- 6
LG032_7	who helps- adl- 7
LG043	iadl meal preparation help
LG046	iadl groc shop help
LG049	iadl making phone calls help
LG053	iadl taking medications help
LG054_1	iadls- who helps most-1
LG054_2	iadls- who helps- 2
LG054_3	iadls- who helps- 3
LG054_4	iadls- who helps- 4
LG054_5	iadls- who helps- 5
LG054_6	iadls- who helps- 6
LG061	iadl managing money help
LG062_1	who helps manage money-1
LG062_2	who helps manage money-2
Wave 9 Helper:	
LADLNDX	index connection to the adl table
LG069	helper relationship
LG070	freq of help given-days last month
LG071	# days helper helped
LG072	did helper help every day
LG073	#hrs of help
LG076	helper given money to help
LIADLNDX	index connection to the iadl table
LMNYNDX	index connection to the money table
Wave 10:	
MA028	r in nursing home
MG013	chkpnt: count of mg001 through mg012
MG015	help w/dress
MG020	adl walk help
MG022	adl bathe help
MG024	adl eat help
MG029	adl bed help
MG031	adl toilet help
MG032_1	who helps most- adl- 1
MG032_2	who helps- adl- 2
MG032_3	who helps- adl- 3
MG032_4	who helps- adl- 4
MG032_5	who helps- adl- 5
MG032_6	who helps- adl- 6
MG032_7	who helps- adl- 7
MG043	iadl meal preparation help
MG046	iadl groc shop help
MG049	iadl making phone calls help
MG053	iadl taking medications help
MG054_1	iadls- who helps -1
MG054_2	iadls- who helps- 2
MG054_3	iadls- who helps- 3
MG054_4	iadls- who helps- 4
MG054_5	iadls- who helps- 5
MG054_6	iadls- who helps- 6
MG061	iadl managing money help
MG062_1	who helps manage money-1
MG062_2	who helps manage money-2
Wave 10 Helper:	

MADLNDX	index connection to the adl table
MG069	helper relationship -1
MG070	freq of help given -1
MG071	# days helper helped -1
MG072	did helper help every dy -1
MG073	#hrs of help -1
MG076	helper given money to help -1
MIADLNDX	index connection to the iadl table
MMNYNDX	index connection to the money table
Wave 11:	
NA028	r in nursing home
NG013	chkpnt: count of ng001 through ng012
NG015	help w/dress
NG020	adl walk help
NG022	adl bathe help
NG024	adl eat help
NG029	adl bed help
NG031	adl toilet help
NG032_1	who helps most- adl- 1
NG032_2	who helps- adl- 2
NG032_3	who helps- adl- 3
NG032_4	who helps- adl- 4
NG032_5	who helps- adl- 5
NG032_6	who helps- adl- 6
NG032_7	who helps- adl- 7
NG043	iadl meal preparation help
NG046	iadl groc shop help
NG049	iadl making phone calls help
NG053	iadl taking medications help
NG054_1	iadls- who helps -1
NG054_2	iadls- who helps- 2
NG054_3	iadls- who helps- 3
NG054_4	iadls- who helps- 4
NG054_5	iadls- who helps- 5
NG054_6	iadls- who helps- 6
NG061	iadl managing money help
NG062_1	who helps manage money-1
NG062_2	who helps manage money-2
Wave 11 Helper:	
NADLNDX	index connection to the adl table
NG069	helper relationship
NG070	freq of help given
NG071	# days helper helped
NG072	did helper help every dy
NG073	#hrs of help
NG076	helper given money to help
NIADLNDX	index connection to the iadl table
NMNYNDX	index connection to the money table
Wave 12:	
OA028	r in nursing home
OG013	chkpnt: count of g001 through g012
OG015	help w/dress
OG020	adl walk help
OG022	adl bathe help
OG024	adl eat help
OG029	adl bed help
OG031	adl toilet help
OG032_1	who helps most- adl- 1
OG032_2	who helps- adl- 2
OG032_3	who helps- adl- 3
OG032_4	who helps- adl- 4
OG032_5	who helps- adl- 5
OG032_6	who helps- adl- 6



OG032\_7 who helps- adl- 7  
 OG043 iadl meal preparation help  
 OG046 iadl groc shop help  
 OG049 iadl making phone calls help  
 OG053 iadl taking medications help  
 OG054\_1 iadls- who helps -1  
 OG054\_2 iadls- who helps- 2  
 OG054\_3 iadls- who helps- 3  
 OG054\_4 iadls- who helps- 4  
 OG054\_5 iadls- who helps- 5  
 OG054\_6 iadls- who helps- 6  
 OG061 iadl managing money help  
 OG062\_1 who helps manage money-1  
 OG062\_2 who helps manage money-2

## Wave 12 Helper:

OADLNDX index connection to the adl table  
 OG069 helper relationship  
 OG070 freq of help given  
 OG071 # days helper helped  
 OG072 did helper help every dy  
 OG073 #hrs of help  
 OG076 helper given money to help  
 OIADLNDX index connection to the iadl table  
 OMNYNDX index connection to the money table

## Wave 13:

PA028 r in nursing home  
 PG013 chkpnt: count of g001 through g012  
 PG015 help w/dress  
 PG020 adl walk help  
 PG022 adl bathe help  
 PG024 adl eat help  
 PG029 adl bed help  
 PG031 adl toilet help  
 PG032\_1 who helps most- adl- 1  
 PG032\_2 who helps- adl- 2  
 PG032\_3 who helps- adl- 3  
 PG032\_4 who helps- adl- 4  
 PG032\_5 who helps- adl- 5  
 PG032\_6 who helps- adl- 6  
 PG032\_7 who helps- adl- 7  
 PG043 iadl meal preparation help  
 PG046 iadl groc shop help  
 PG049 iadl making phone calls help  
 PG053 iadl taking medications help  
 PG054\_1 iadls- who helps -1  
 PG054\_2 iadls- who helps- 2  
 PG054\_3 iadls- who helps- 3  
 PG054\_4 iadls- who helps- 4  
 PG054\_5 iadls- who helps- 5  
 PG054\_6 iadls- who helps- 6  
 PG061 iadl managing money help  
 PG062\_1 who helps manage money-1  
 PG062\_2 who helps manage money-2

## Wave 13 Helper:

PADLNDX index connection to the adl table  
 PG069 helper relationship  
 PG070 freq of help given  
 PG071 # days helper helped  
 PG072 did helper help every dy  
 PG073 #hrs of help  
 PG076 helper given money to help  
 PIADLNDX index connection to the iadl table  
 PMNYNDX index connection to the money table

## Wave 14:

QA028 r in nursing home  
 QG013 chkpnt: count of g001 through g012  
 QG015 help w/dress  
 QG020 adl walk help  
 QG022 adl bathe help  
 QG024 adl eat help  
 QG029 adl bed help  
 QG031 adl toilet help  
 QG032\_1 who helps most- adl- 1  
 QG032\_2 who helps- adl- 2  
 QG032\_3 who helps- adl- 3  
 QG032\_4 who helps- adl- 4  
 QG032\_5 who helps- adl- 5  
 QG032\_6 who helps- adl- 6  
 QG032\_7 who helps- adl- 7  
 QG043 iadl meal preparation help  
 QG046 iadl groc shop help  
 QG049 iadl making phone calls help  
 QG053 iadl taking medications help  
 QG054\_1 iadls- who helps -1  
 QG054\_2 iadls- who helps- 2  
 QG054\_3 iadls- who helps- 3  
 QG054\_4 iadls- who helps- 4  
 QG054\_5 iadls- who helps- 5  
 QG054\_6 iadls- who helps- 6  
 QG061 iadl managing money help  
 QG062\_1 who helps manage money-1  
 QG062\_2 who helps manage money-2

## Wave 14 Helper:

QADLNDX INDEX CONNECTION TO THE ADL TABLE  
 QG069 HELPER RELATIONSHIP  
 QG070 FREQ OF HELP GIVEN  
 QG071 # DAYS HELPER HELPED  
 QG072 DID HELPER HELP EVERY DY  
 QG073 #HRS OF HELP  
 QG076 HELPER GIVEN MONEY TO HELP  
 QIADLNDX INDEX CONNECTION TO THE IADL TABLE  
 QMNYNDX INDEX CONNECTION TO THE MONEY TABLE

## Wave 15:

RA028 r in nursing home  
 RG013 chkpnt: count of g001 through g012  
 RG015 help w/dress  
 RG020 adl walk help  
 RG022 adl bathe help  
 RG024 adl eat help  
 RG029 adl bed help  
 RG031 adl toilet help  
 RG032\_1 who helps most- adl- 1  
 RG032\_2 who helps- adl- 2  
 RG032\_3 who helps- adl- 3  
 RG032\_4 who helps- adl- 4  
 RG032\_5 who helps- adl- 5  
 RG032\_6 who helps- adl- 6  
 RG032\_7 who helps- adl- 7  
 RG043 iadl meal preparation help  
 RG046 iadl groc shop help  
 RG049 iadl making phone calls help  
 RG053 iadl taking medications help  
 RG054\_1 iadls- who helps -1  
 RG054\_2 iadls- who helps- 2  
 RG054\_3 iadls- who helps- 3  
 RG054\_4 iadls- who helps- 4

RG054\_5 iadls- who helps- 5  
RG054\_6 iadls- who helps- 6  
RG061 iadl managing money help  
RG062\_1 who helps manage money-1  
RG062\_2 who helps manage money-2

## Wave 15 Helper:

RADLNDX INDEX CONNECTION TO THE ADL TABLE  
RG069 HELPER RELATIONSHIP  
RG070 FREQ OF HELP GIVEN  
RG071 # DAYS HELPER HELPED  
RG072 DID HELPER HELP EVERY DY  
RG073 #HRS OF HELP  
RG076 HELPER GIVEN MONEY TO HELP  
RIADLNDX INDEX CONNECTION TO THE IADL TABLE  
RMNYNDX INDEX CONNECTION TO THE MONEY TABLE

### Activities of Daily Living and Instrumental Activities of Daily Living: Receives Informal Care from Other Individuals

Wave	Variable	Label	Type
02	R2RFCARE	r2rfcare:w2 r receives informal care from non-relatives for	Categ
03	R3RFCARE	r3rfcare:w3 r receives informal care from non-relatives for	Categ
04	R4RFCARE	r4rfcare:w4 r receives informal care from non-relatives for	Categ
05	R5RFCARE	r5rfcare:w5 r receives informal care from non-relatives for	Categ
06	R6RFCARE	r6rfcare:w6 r receives informal care from non-relatives for	Categ
07	R7RFCARE	r7rfcare:w7 r receives informal care from non-relatives for	Categ
08	R8RFCARE	r8rfcare:w8 r receives informal care from non-relatives for	Categ
09	R9RFCARE	r9rfcare:w9 r receives informal care from non-relatives for	Categ
10	R10RFCARE	r10rfcare:w10 r receives informal care from non-relatives fo	Categ
11	R11RFCARE	r11rfcare:w11 r receives informal care from non-relatives fo	Categ
12	R12RFCARE	r12rfcare:w12 r receives informal care from non-relatives fo	Categ
13	R13RFCARE	r13rfcare:w13 r receives informal care from non-relatives fo	Categ
14	R14RFCARE	r14rfcare:w14 r receives informal care from non-relatives fo	Categ
15	R15RFCARE	r15rfcare:w15 r receives informal care from non-relatives fo	Categ
02	S2RFCARE	s2rfcare:w2 s receives informal care from non-relatives for	Categ
03	S3RFCARE	s3rfcare:w3 s receives informal care from non-relatives for	Categ
04	S4RFCARE	s4rfcare:w4 s receives informal care from non-relatives for	Categ
05	S5RFCARE	s5rfcare:w5 s receives informal care from non-relatives for	Categ
06	S6RFCARE	s6rfcare:w6 s receives informal care from non-relatives for	Categ
07	S7RFCARE	s7rfcare:w7 s receives informal care from non-relatives for	Categ
08	S8RFCARE	s8rfcare:w8 s receives informal care from non-relatives for	Categ
09	S9RFCARE	s9rfcare:w9 s receives informal care from non-relatives for	Categ
10	S10RFCARE	s10rfcare:w10 s receives informal care from non-relatives fo	Categ
11	S11RFCARE	s11rfcare:w11 s receives informal care from non-relatives fo	Categ
12	S12RFCARE	s12rfcare:w12 s receives informal care from non-relatives fo	Categ
13	S13RFCARE	s13rfcare:w13 s receives informal care from non-relatives fo	Categ
14	S14RFCARE	s14rfcare:w14 s receives informal care from non-relatives fo	Categ
15	S15RFCARE	s15rfcare:w15 s receives informal care from non-relatives fo	Categ
02	R2RFCAREN	r2rfcare:w2 # non-relatives who help r with adls/iadls	Cont
03	R3RFCAREN	r3rfcare:w3 # non-relatives who help r with adls/iadls	Cont
04	R4RFCAREN	r4rfcare:w4 # non-relatives who help r with adls/iadls	Cont
05	R5RFCAREN	r5rfcare:w5 # non-relatives who help r with adls/iadls	Cont
06	R6RFCAREN	r6rfcare:w6 # non-relatives who help r with adls/iadls	Cont
07	R7RFCAREN	r7rfcare:w7 # non-relatives who help r with adls/iadls	Cont
08	R8RFCAREN	r8rfcare:w8 # non-relatives who help r with adls/iadls	Cont
09	R9RFCAREN	r9rfcare:w9 # non-relatives who help r with adls/iadls	Cont
10	R10RFCAREN	r10rfcare:w10 # non-relatives who help r with adls/iadls	Cont
11	R11RFCAREN	r11rfcare:w11 # non-relatives who help r with adls/iadls	Cont
12	R12RFCAREN	r12rfcare:w12 # non-relatives who help r with adls/iadls	Cont
13	R13RFCAREN	r13rfcare:w13 # non-relatives who help r with adls/iadls	Cont
14	R14RFCAREN	r14rfcare:w14 # non-relatives who help r with adls/iadls	Cont
15	R15RFCAREN	r15rfcare:w15 # non-relatives who help r with adls/iadls	Cont
02	S2RFCAREN	s2rfcare:w2 # non-relatives who help s with adls/iadls	Cont
03	S3RFCAREN	s3rfcare:w3 # non-relatives who help s with adls/iadls	Cont
04	S4RFCAREN	s4rfcare:w4 # non-relatives who help s with adls/iadls	Cont
05	S5RFCAREN	s5rfcare:w5 # non-relatives who help s with adls/iadls	Cont
06	S6RFCAREN	s6rfcare:w6 # non-relatives who help s with adls/iadls	Cont
07	S7RFCAREN	s7rfcare:w7 # non-relatives who help s with adls/iadls	Cont
08	S8RFCAREN	s8rfcare:w8 # non-relatives who help s with adls/iadls	Cont
09	S9RFCAREN	s9rfcare:w9 # non-relatives who help s with adls/iadls	Cont
10	S10RFCAREN	s10rfcare:w10 # non-relatives who help s with adls/iadls	Cont
11	S11RFCAREN	s11rfcare:w11 # non-relatives who help s with adls/iadls	Cont
12	S12RFCAREN	s12rfcare:w12 # non-relatives who help s with adls/iadls	Cont

13	S13RFCAREN	s13rfcaren:w13 # non-relatives who help s with adls/iadls	Cont
14	S14RFCAREN	s14rfcaren:w14 # non-relatives who help s with adls/iadls	Cont
15	S15RFCAREN	s15rfcaren:w15 # non-relatives who help s with adls/iadls	Cont
03	R3RFCAREDPM	r3rfcaredpm:w3 days/month non-relatives help r with adls/iad	Cont
04	R4RFCAREDPM	r4rfcaredpm:w4 days/month non-relatives help r with adls/iad	Cont
05	R5RFCAREDPM	r5rfcaredpm:w5 days/month non-relatives help r with adls/iad	Cont
06	R6RFCAREDPM	r6rfcaredpm:w6 days/month non-relatives help r with adls/iad	Cont
07	R7RFCAREDPM	r7rfcaredpm:w7 days/month non-relatives help r with adls/iad	Cont
08	R8RFCAREDPM	r8rfcaredpm:w8 days/month non-relatives help r with adls/iad	Cont
09	R9RFCAREDPM	r9rfcaredpm:w9 days/month non-relatives help r with adls/iad	Cont
10	R10RFCAREDPM	r10rfcaredpm:w10 days/month non-relatives help r with adls/i	Cont
11	R11RFCAREDPM	r11rfcaredpm:w11 days/month non-relatives help r with adls/i	Cont
12	R12RFCAREDPM	r12rfcaredpm:w12 days/month non-relatives help r with adls/i	Cont
13	R13RFCAREDPM	r13rfcaredpm:w13 days/month non-relatives help r with adls/i	Cont
14	R14RFCAREDPM	r14rfcaredpm:w14 days/month non-relatives help r with adls/i	Cont
15	R15RFCAREDPM	r15rfcaredpm:w15 days/month non-relatives help r with adls/i	Cont
03	S3RFCAREDPM	s3rfcaredpm:w3 days/month non-relatives help s with adls/iad	Cont
04	S4RFCAREDPM	s4rfcaredpm:w4 days/month non-relatives help s with adls/iad	Cont
05	S5RFCAREDPM	s5rfcaredpm:w5 days/month non-relatives help s with adls/iad	Cont
06	S6RFCAREDPM	s6rfcaredpm:w6 days/month non-relatives help s with adls/iad	Cont
07	S7RFCAREDPM	s7rfcaredpm:w7 days/month non-relatives help s with adls/iad	Cont
08	S8RFCAREDPM	s8rfcaredpm:w8 days/month non-relatives help s with adls/iad	Cont
09	S9RFCAREDPM	s9rfcaredpm:w9 days/month non-relatives help s with adls/iad	Cont
10	S10RFCAREDPM	s10rfcaredpm:w10 days/month non-relatives help s with adls/i	Cont
11	S11RFCAREDPM	s11rfcaredpm:w11 days/month non-relatives help s with adls/i	Cont
12	S12RFCAREDPM	s12rfcaredpm:w12 days/month non-relatives help s with adls/i	Cont
13	S13RFCAREDPM	s13rfcaredpm:w13 days/month non-relatives help s with adls/i	Cont
14	S14RFCAREDPM	s14rfcaredpm:w14 days/month non-relatives help s with adls/i	Cont
15	S15RFCAREDPM	s15rfcaredpm:w15 days/month non-relatives help s with adls/i	Cont
03	R3RFCAREDPMM	r3rfcaredpmm:w3 r # non-relatives missing days of help for a	Cont
04	R4RFCAREDPMM	r4rfcaredpmm:w4 r # non-relatives missing days of help for a	Cont
05	R5RFCAREDPMM	r5rfcaredpmm:w5 r # non-relatives missing days of help for a	Cont
06	R6RFCAREDPMM	r6rfcaredpmm:w6 r # non-relatives missing days of help for a	Cont
07	R7RFCAREDPMM	r7rfcaredpmm:w7 r # non-relatives missing days of help for a	Cont
08	R8RFCAREDPMM	r8rfcaredpmm:w8 r # non-relatives missing days of help for a	Cont
09	R9RFCAREDPMM	r9rfcaredpmm:w9 r # non-relatives missing days of help for a	Cont
10	R10RFCAREDPMM	r10rfcaredpmm:w10 r # non-relatives missing days of help for	Cont
11	R11RFCAREDPMM	r11rfcaredpmm:w11 r # non-relatives missing days of help for	Cont
12	R12RFCAREDPMM	r12rfcaredpmm:w12 r # non-relatives missing days of help for	Cont
13	R13RFCAREDPMM	r13rfcaredpmm:w13 r # non-relatives missing days of help for	Cont
14	R14RFCAREDPMM	r14rfcaredpmm:w14 r # non-relatives missing days of help for	Cont
15	R15RFCAREDPMM	r15rfcaredpmm:w15 r # non-relatives missing days of help for	Cont
03	S3RFCAREDPMM	s3rfcaredpmm:w3 s # non-relatives missing days of help for a	Cont
04	S4RFCAREDPMM	s4rfcaredpmm:w4 s # non-relatives missing days of help for a	Cont
05	S5RFCAREDPMM	s5rfcaredpmm:w5 s # non-relatives missing days of help for a	Cont
06	S6RFCAREDPMM	s6rfcaredpmm:w6 s # non-relatives missing days of help for a	Cont
07	S7RFCAREDPMM	s7rfcaredpmm:w7 s # non-relatives missing days of help for a	Cont
08	S8RFCAREDPMM	s8rfcaredpmm:w8 s # non-relatives missing days of help for a	Cont
09	S9RFCAREDPMM	s9rfcaredpmm:w9 s # non-relatives missing days of help for a	Cont
10	S10RFCAREDPMM	s10rfcaredpmm:w10 s # non-relatives missing days of help for	Cont
11	S11RFCAREDPMM	s11rfcaredpmm:w11 s # non-relatives missing days of help for	Cont
12	S12RFCAREDPMM	s12rfcaredpmm:w12 s # non-relatives missing days of help for	Cont
13	S13RFCAREDPMM	s13rfcaredpmm:w13 s # non-relatives missing days of help for	Cont
14	S14RFCAREDPMM	s14rfcaredpmm:w14 s # non-relatives missing days of help for	Cont
15	S15RFCAREDPMM	s15rfcaredpmm:w15 s # non-relatives missing days of help for	Cont
02	R2RFCAREHR	r2rfcarehr:w2 hours/day non-relatives help r with adls/iadls	Cont
03	R3RFCAREHR	r3rfcarehr:w3 hours/day non-relatives help r with adls/iadls	Cont
04	R4RFCAREHR	r4rfcarehr:w4 hours/day non-relatives help r with adls/iadls	Cont

05	R5RFCAREHR	r5rfcarehr:w5 hours/day non-relatives help r with adls/iadls	Cont
06	R6RFCAREHR	r6rfcarehr:w6 hours/day non-relatives help r with adls/iadls	Cont
07	R7RFCAREHR	r7rfcarehr:w7 hours/day non-relatives help r with adls/iadls	Cont
08	R8RFCAREHR	r8rfcarehr:w8 hours/day non-relatives help r with adls/iadls	Cont
09	R9RFCAREHR	r9rfcarehr:w9 hours/day non-relatives help r with adls/iadls	Cont
10	R10RFCAREHR	r10rfcarehr:w10 hours/day non-relatives help r with adls/iad	Cont
11	R11RFCAREHR	r11rfcarehr:w11 hours/day non-relatives help r with adls/iad	Cont
12	R12RFCAREHR	r12rfcarehr:w12 hours/day non-relatives help r with adls/iad	Cont
13	R13RFCAREHR	r13rfcarehr:w13 hours/day non-relatives help r with adls/iad	Cont
14	R14RFCAREHR	r14rfcarehr:w14 hours/day non-relatives help r with adls/iad	Cont
15	R15RFCAREHR	r15rfcarehr:w15 hours/day non-relatives help r with adls/iad	Cont
02	S2RFCAREHR	s2rfcarehr:w2 hours/day non-relatives help s with adls/iadls	Cont
03	S3RFCAREHR	s3rfcarehr:w3 hours/day non-relatives help s with adls/iadls	Cont
04	S4RFCAREHR	s4rfcarehr:w4 hours/day non-relatives help s with adls/iadls	Cont
05	S5RFCAREHR	s5rfcarehr:w5 hours/day non-relatives help s with adls/iadls	Cont
06	S6RFCAREHR	s6rfcarehr:w6 hours/day non-relatives help s with adls/iadls	Cont
07	S7RFCAREHR	s7rfcarehr:w7 hours/day non-relatives help s with adls/iadls	Cont
08	S8RFCAREHR	s8rfcarehr:w8 hours/day non-relatives help s with adls/iadls	Cont
09	S9RFCAREHR	s9rfcarehr:w9 hours/day non-relatives help s with adls/iadls	Cont
10	S10RFCAREHR	s10rfcarehr:w10 hours/day non-relatives help s with adls/iad	Cont
11	S11RFCAREHR	s11rfcarehr:w11 hours/day non-relatives help s with adls/iad	Cont
12	S12RFCAREHR	s12rfcarehr:w12 hours/day non-relatives help s with adls/iad	Cont
13	S13RFCAREHR	s13rfcarehr:w13 hours/day non-relatives help s with adls/iad	Cont
14	S14RFCAREHR	s14rfcarehr:w14 hours/day non-relatives help s with adls/iad	Cont
15	S15RFCAREHR	s15rfcarehr:w15 hours/day non-relatives help s with adls/iad	Cont
02	R2RFCAREHRM	r2rfcarehrm:w2 r # non-relatives missing hours of help for a	Cont
03	R3RFCAREHRM	r3rfcarehrm:w3 r # non-relatives missing hours of help for a	Cont
04	R4RFCAREHRM	r4rfcarehrm:w4 r # non-relatives missing hours of help for a	Cont
05	R5RFCAREHRM	r5rfcarehrm:w5 r # non-relatives missing hours of help for a	Cont
06	R6RFCAREHRM	r6rfcarehrm:w6 r # non-relatives missing hours of help for a	Cont
07	R7RFCAREHRM	r7rfcarehrm:w7 r # non-relatives missing hours of help for a	Cont
08	R8RFCAREHRM	r8rfcarehrm:w8 r # non-relatives missing hours of help for a	Cont
09	R9RFCAREHRM	r9rfcarehrm:w9 r # non-relatives missing hours of help for a	Cont
10	R10RFCAREHRM	r10rfcarehrm:w10 r # non-relatives missing hours of help for	Cont
11	R11RFCAREHRM	r11rfcarehrm:w11 r # non-relatives missing hours of help for	Cont
12	R12RFCAREHRM	r12rfcarehrm:w12 r # non-relatives missing hours of help for	Cont
13	R13RFCAREHRM	r13rfcarehrm:w13 r # non-relatives missing hours of help for	Cont
14	R14RFCAREHRM	r14rfcarehrm:w14 r # non-relatives missing hours of help for	Cont
15	R15RFCAREHRM	r15rfcarehrm:w15 r # non-relatives missing hours of help for	Cont
02	S2RFCAREHRM	s2rfcarehrm:w2 s # non-relatives missing hours of help for a	Cont
03	S3RFCAREHRM	s3rfcarehrm:w3 s # non-relatives missing hours of help for a	Cont
04	S4RFCAREHRM	s4rfcarehrm:w4 s # non-relatives missing hours of help for a	Cont
05	S5RFCAREHRM	s5rfcarehrm:w5 s # non-relatives missing hours of help for a	Cont
06	S6RFCAREHRM	s6rfcarehrm:w6 s # non-relatives missing hours of help for a	Cont
07	S7RFCAREHRM	s7rfcarehrm:w7 s # non-relatives missing hours of help for a	Cont
08	S8RFCAREHRM	s8rfcarehrm:w8 s # non-relatives missing hours of help for a	Cont
09	S9RFCAREHRM	s9rfcarehrm:w9 s # non-relatives missing hours of help for a	Cont
10	S10RFCAREHRM	s10rfcarehrm:w10 s # non-relatives missing hours of help for	Cont
11	S11RFCAREHRM	s11rfcarehrm:w11 s # non-relatives missing hours of help for	Cont
12	S12RFCAREHRM	s12rfcarehrm:w12 s # non-relatives missing hours of help for	Cont
13	S13RFCAREHRM	s13rfcarehrm:w13 s # non-relatives missing hours of help for	Cont
14	S14RFCAREHRM	s14rfcarehrm:w14 s # non-relatives missing hours of help for	Cont
15	S15RFCAREHRM	s15rfcarehrm:w15 s # non-relatives missing hours of help for	Cont
02	R2RFCAREPD	r2rfcarepd:w2 any non-relative paid for care given to r for	Categ
03	R3RFCAREPD	r3rfcarepd:w3 any non-relative paid for care given to r for	Categ
04	R4RFCAREPD	r4rfcarepd:w4 any non-relative paid for care given to r for	Categ
05	R5RFCAREPD	r5rfcarepd:w5 any non-relative paid for care given to r for	Categ
06	R6RFCAREPD	r6rfcarepd:w6 any non-relative paid for care given to r for	Categ
07	R7RFCAREPD	r7rfcarepd:w7 any non-relative paid for care given to r for	Categ

08	R8RFCAREPD	r8rfcarepd:w8 any non-relative paid for care given to r for	Categ
09	R9RFCAREPD	r9rfcarepd:w9 any non-relative paid for care given to r for	Categ
10	R10RFCAREPD	r10rfcarepd:w10 any non-relative paid for care given to r fo	Categ
11	R11RFCAREPD	r11rfcarepd:w11 any non-relative paid for care given to r fo	Categ
12	R12RFCAREPD	r12rfcarepd:w12 any non-relative paid for care given to r fo	Categ
13	R13RFCAREPD	r13rfcarepd:w13 any non-relative paid for care given to r fo	Categ
14	R14RFCAREPD	r14rfcarepd:w14 any non-relative paid for care given to r fo	Categ
15	R15RFCAREPD	r15rfcarepd:w15 any non-relative paid for care given to r fo	Categ
02	S2RFCAREPD	s2rfcarepd:w2 any non-relative paid for care given to s for	Categ
03	S3RFCAREPD	s3rfcarepd:w3 any non-relative paid for care given to s for	Categ
04	S4RFCAREPD	s4rfcarepd:w4 any non-relative paid for care given to s for	Categ
05	S5RFCAREPD	s5rfcarepd:w5 any non-relative paid for care given to s for	Categ
06	S6RFCAREPD	s6rfcarepd:w6 any non-relative paid for care given to s for	Categ
07	S7RFCAREPD	s7rfcarepd:w7 any non-relative paid for care given to s for	Categ
08	S8RFCAREPD	s8rfcarepd:w8 any non-relative paid for care given to s for	Categ
09	S9RFCAREPD	s9rfcarepd:w9 any non-relative paid for care given to s for	Categ
10	S10RFCAREPD	s10rfcarepd:w10 any non-relative paid for care given to s fo	Categ
11	S11RFCAREPD	s11rfcarepd:w11 any non-relative paid for care given to s fo	Categ
12	S12RFCAREPD	s12rfcarepd:w12 any non-relative paid for care given to s fo	Categ
13	S13RFCAREPD	s13rfcarepd:w13 any non-relative paid for care given to s fo	Categ
14	S14RFCAREPD	s14rfcarepd:w14 any non-relative paid for care given to s fo	Categ
15	S15RFCAREPD	s15rfcarepd:w15 any non-relative paid for care given to s fo	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RFCARE	2274	0.15	0.35	0.00	1.00
R3RFCARE	2656	0.14	0.35	0.00	1.00
R4RFCARE	3040	0.15	0.35	0.00	1.00
R5RFCARE	2787	0.13	0.34	0.00	1.00
R6RFCARE	2775	0.14	0.34	0.00	1.00
R7RFCARE	2958	0.15	0.35	0.00	1.00
R8RFCARE	2881	0.14	0.35	0.00	1.00
R9RFCARE	2703	0.15	0.35	0.00	1.00
R10RFCARE	3563	0.17	0.38	0.00	1.00
R11RFCARE	3349	0.09	0.29	0.00	1.00
R12RFCARE	3238	0.11	0.32	0.00	1.00
R13RFCARE	3334	0.10	0.30	0.00	1.00
R14RFCARE	2673	0.10	0.30	0.00	1.00
R15RFCARE	2280	0.10	0.30	0.00	1.00
S2RFCARE	1097	0.06	0.23	0.00	1.00
S3RFCARE	1320	0.06	0.23	0.00	1.00
S4RFCARE	1501	0.07	0.26	0.00	1.00
S5RFCARE	1367	0.06	0.24	0.00	1.00
S6RFCARE	1287	0.06	0.24	0.00	1.00
S7RFCARE	1424	0.07	0.25	0.00	1.00
S8RFCARE	1381	0.07	0.26	0.00	1.00
S9RFCARE	1220	0.07	0.26	0.00	1.00
S10RFCARE	1743	0.08	0.26	0.00	1.00
S11RFCARE	1601	0.03	0.17	0.00	1.00
S12RFCARE	1539	0.05	0.21	0.00	1.00
S13RFCARE	1514	0.04	0.19	0.00	1.00
S14RFCARE	1216	0.04	0.20	0.00	1.00
S15RFCARE	979	0.04	0.19	0.00	1.00
R2RFCAREN	2274	0.17	0.45	0.00	4.00
R3RFCAREN	2656	0.18	0.49	0.00	5.00
R4RFCAREN	3040	0.19	0.50	0.00	9.00
R5RFCAREN	2787	0.16	0.46	0.00	4.00
R6RFCAREN	2775	0.16	0.42	0.00	4.00

R7RFCAREN	2958	0.19	0.51	0.00	5.00
R8RFCAREN	2881	0.17	0.49	0.00	7.00
R9RFCAREN	2703	0.19	0.55	0.00	7.00
R10RFCAREN	3563	0.23	0.58	0.00	7.00
R11RFCAREN	3349	0.11	0.40	0.00	5.00
R12RFCAREN	3238	0.14	0.44	0.00	5.00
R13RFCAREN	3334	0.13	0.43	0.00	5.00
R14RFCAREN	2673	0.12	0.41	0.00	5.00
R15RFCAREN	2280	0.12	0.40	0.00	5.00
S2RFCAREN	1097	0.06	0.27	0.00	2.00
S3RFCAREN	1320	0.06	0.28	0.00	3.00
S4RFCAREN	1501	0.09	0.35	0.00	3.00
S5RFCAREN	1367	0.07	0.29	0.00	3.00
S6RFCAREN	1287	0.07	0.27	0.00	2.00
S7RFCAREN	1424	0.09	0.36	0.00	3.00
S8RFCAREN	1381	0.08	0.34	0.00	4.00
S9RFCAREN	1220	0.09	0.33	0.00	3.00
S10RFCAREN	1743	0.10	0.38	0.00	4.00
S11RFCAREN	1601	0.03	0.21	0.00	3.00
S12RFCAREN	1539	0.05	0.25	0.00	3.00
S13RFCAREN	1514	0.05	0.31	0.00	5.00
S14RFCAREN	1216	0.05	0.25	0.00	3.00
S15RFCAREN	979	0.04	0.22	0.00	2.00
R3RFCAREDPM	2650	2.68	9.32	0.00	102.00
R4RFCAREDPM	3003	2.39	8.14	0.00	85.00
R5RFCAREDPM	2761	2.24	7.98	0.00	82.00
R6RFCAREDPM	2764	2.25	7.87	0.00	62.00
R7RFCAREDPM	2955	2.33	7.84	0.00	93.00
R8RFCAREDPM	2873	2.25	7.67	0.00	82.00
R9RFCAREDPM	2701	2.47	8.36	0.00	71.00
R10RFCAREDPM	3548	2.83	9.36	0.00	186.00
R11RFCAREDPM	3336	1.22	5.64	0.00	77.00
R12RFCAREDPM	3230	1.46	6.11	0.00	86.00
R13RFCAREDPM	3325	1.34	6.16	0.00	66.00
R14RFCAREDPM	2664	1.28	5.48	0.00	62.00
R15RFCAREDPM	2274	1.18	5.28	0.00	66.00
S3RFCAREDPM	1320	0.80	4.91	0.00	91.00
S4RFCAREDPM	1491	1.16	5.74	0.00	62.00
S5RFCAREDPM	1360	1.04	5.33	0.00	60.00
S6RFCAREDPM	1286	1.04	5.17	0.00	60.00
S7RFCAREDPM	1424	1.04	5.08	0.00	62.00
S8RFCAREDPM	1380	1.14	5.71	0.00	62.00
S9RFCAREDPM	1220	1.24	5.92	0.00	62.00
S10RFCAREDPM	1737	1.12	5.49	0.00	58.00
S11RFCAREDPM	1600	0.25	2.11	0.00	31.00
S12RFCAREDPM	1538	0.48	3.33	0.00	53.00
S13RFCAREDPM	1512	0.35	2.62	0.00	31.00
S14RFCAREDPM	1216	0.39	3.07	0.00	62.00
S15RFCAREDPM	977	0.42	3.26	0.00	31.00
R3RFCAREDPMM	2656	0.00	0.08	0.00	2.00
R4RFCAREDPMM	3040	0.01	0.11	0.00	3.00
R5RFCAREDPMM	2787	0.01	0.07	0.00	1.00
R6RFCAREDPMM	2775	0.00	0.07	0.00	1.00
R7RFCAREDPMM	2958	0.00	0.07	0.00	2.00
R8RFCAREDPMM	2881	0.00	0.07	0.00	2.00
R9RFCAREDPMM	2703	0.00	0.04	0.00	1.00
R10RFCAREDPMM	3563	0.01	0.09	0.00	2.00
R11RFCAREDPMM	3349	0.00	0.07	0.00	2.00
R12RFCAREDPMM	3238	0.00	0.06	0.00	1.00



R13RFCAREDPMM	3334	0.01	0.11	0.00	4.00
R14RFCAREDPMM	2673	0.01	0.08	0.00	2.00
R15RFCAREDPMM	2280	0.00	0.08	0.00	2.00
S3RFCAREDPMM	1320	0.00	0.03	0.00	1.00
S4RFCAREDPMM	1501	0.00	0.04	0.00	1.00
S5RFCAREDPMM	1367	0.00	0.03	0.00	1.00
S6RFCAREDPMM	1287	0.00	0.04	0.00	1.00
S7RFCAREDPMM	1424	0.00	0.04	0.00	1.00
S8RFCAREDPMM	1381	0.00	0.07	0.00	2.00
S9RFCAREDPMM	1220	0.00	0.00	0.00	0.00
S10RFCAREDPMM	1743	0.00	0.06	0.00	1.00
S11RFCAREDPMM	1601	0.00	0.02	0.00	1.00
S12RFCAREDPMM	1539	0.00	0.03	0.00	1.00
S13RFCAREDPMM	1514	0.00	0.11	0.00	4.00
S14RFCAREDPMM	1216	0.00	0.00	0.00	0.00
S15RFCAREDPMM	979	0.00	0.07	0.00	2.00
R2RFCAREHR	2196	0.59	2.70	0.00	50.00
R3RFCAREHR	2632	0.73	3.41	0.00	72.00
R4RFCAREHR	2997	0.73	3.35	0.00	72.00
R5RFCAREHR	2752	0.63	2.82	0.00	48.00
R6RFCAREHR	2748	0.74	3.21	0.00	48.00
R7RFCAREHR	2929	0.85	3.73	0.00	52.00
R8RFCAREHR	2841	0.71	3.73	0.00	120.00
R9RFCAREHR	2676	0.94	4.51	0.00	98.00
R10RFCAREHR	3501	0.97	4.70	0.00	144.00
R11RFCAREHR	3313	0.39	2.47	0.00	48.00
R12RFCAREHR	3199	0.48	2.57	0.00	48.00
R13RFCAREHR	3290	0.44	2.44	0.00	48.00
R14RFCAREHR	2642	0.41	2.23	0.00	48.00
R15RFCAREHR	2242	0.33	2.06	0.00	48.00
S2RFCAREHR	1087	0.25	1.74	0.00	24.00
S3RFCAREHR	1317	0.26	2.45	0.00	72.00
S4RFCAREHR	1491	0.34	1.97	0.00	32.00
S5RFCAREHR	1358	0.33	2.19	0.00	48.00
S6RFCAREHR	1282	0.36	2.38	0.00	48.00
S7RFCAREHR	1418	0.34	1.81	0.00	24.00
S8RFCAREHR	1370	0.38	2.18	0.00	32.00
S9RFCAREHR	1217	0.47	2.89	0.00	48.00
S10RFCAREHR	1731	0.34	2.04	0.00	42.00
S11RFCAREHR	1593	0.06	0.54	0.00	10.00
S12RFCAREHR	1526	0.14	1.07	0.00	24.00
S13RFCAREHR	1509	0.14	1.46	0.00	48.00
S14RFCAREHR	1210	0.18	1.81	0.00	48.00
S15RFCAREHR	972	0.08	0.61	0.00	8.00
R2RFCAREHRM	2274	0.04	0.21	0.00	2.00
R3RFCAREHRM	2656	0.01	0.10	0.00	2.00
R4RFCAREHRM	3040	0.02	0.18	0.00	4.00
R5RFCAREHRM	2787	0.02	0.15	0.00	2.00
R6RFCAREHRM	2775	0.01	0.11	0.00	2.00
R7RFCAREHRM	2958	0.02	0.16	0.00	3.00
R8RFCAREHRM	2881	0.02	0.15	0.00	3.00
R9RFCAREHRM	2703	0.02	0.14	0.00	2.00
R10RFCAREHRM	3563	0.03	0.18	0.00	3.00
R11RFCAREHRM	3349	0.01	0.14	0.00	3.00
R12RFCAREHRM	3238	0.02	0.15	0.00	2.00
R13RFCAREHRM	3334	0.02	0.17	0.00	4.00
R14RFCAREHRM	2673	0.01	0.13	0.00	2.00
R15RFCAREHRM	2280	0.02	0.17	0.00	2.00

S2RFCAREHRM	1097	0.01	0.11	0.00	1.00
S3RFCAREHRM	1320	0.00	0.05	0.00	1.00
S4RFCAREHRM	1501	0.01	0.10	0.00	1.00
S5RFCAREHRM	1367	0.01	0.08	0.00	1.00
S6RFCAREHRM	1287	0.00	0.06	0.00	1.00
S7RFCAREHRM	1424	0.01	0.10	0.00	2.00
S8RFCAREHRM	1381	0.01	0.11	0.00	2.00
S9RFCAREHRM	1220	0.00	0.06	0.00	1.00
S10RFCAREHRM	1743	0.01	0.11	0.00	2.00
S11RFCAREHRM	1601	0.00	0.07	0.00	1.00
S12RFCAREHRM	1539	0.01	0.12	0.00	2.00
S13RFCAREHRM	1514	0.01	0.13	0.00	4.00
S14RFCAREHRM	1216	0.01	0.09	0.00	2.00
S15RFCAREHRM	979	0.01	0.10	0.00	2.00
R2RFCAREPD	2204	0.07	0.26	0.00	1.00
R3RFCAREPD	2644	0.07	0.25	0.00	1.00
R4RFCAREPD	3010	0.07	0.26	0.00	1.00
R5RFCAREPD	2772	0.07	0.25	0.00	1.00
R6RFCAREPD	2762	0.08	0.26	0.00	1.00
R7RFCAREPD	2936	0.08	0.27	0.00	1.00
R8RFCAREPD	2858	0.08	0.27	0.00	1.00
R9RFCAREPD	2679	0.08	0.27	0.00	1.00
R10RFCAREPD	3518	0.09	0.28	0.00	1.00
R11RFCAREPD	3330	0.02	0.15	0.00	1.00
R12RFCAREPD	3210	0.03	0.16	0.00	1.00
R13RFCAREPD	3312	0.03	0.16	0.00	1.00
R14RFCAREPD	2655	0.03	0.17	0.00	1.00
R15RFCAREPD	2260	0.03	0.17	0.00	1.00
S2RFCAREPD	1088	0.03	0.17	0.00	1.00
S3RFCAREPD	1317	0.02	0.15	0.00	1.00
S4RFCAREPD	1492	0.04	0.20	0.00	1.00
S5RFCAREPD	1361	0.04	0.19	0.00	1.00
S6RFCAREPD	1284	0.04	0.20	0.00	1.00
S7RFCAREPD	1418	0.04	0.19	0.00	1.00
S8RFCAREPD	1376	0.05	0.21	0.00	1.00
S9RFCAREPD	1217	0.04	0.20	0.00	1.00
S10RFCAREPD	1733	0.04	0.20	0.00	1.00
S11RFCAREPD	1596	0.01	0.08	0.00	1.00
S12RFCAREPD	1529	0.01	0.10	0.00	1.00
S13RFCAREPD	1512	0.01	0.10	0.00	1.00
S14RFCAREPD	1213	0.01	0.12	0.00	1.00
S15RFCAREPD	974	0.01	0.11	0.00	1.00

### Categorical Variable Codes

Value-----	R2RFCARE	R3RFCARE	R4RFCARE	R5RFCARE	
.d:DK	25	4	3		
.f:infrequent care	65				
.h:no help received	495	1580	1804	1754	
.m:Missing	2	43	28		
.q:not asked this wave	11595				
.r:Refuse			1	1	
.x:no difficulties	5361	13708	16508	15036	
0.no	1941	2279	2591	2422	
1.yes	333	377	449	365	
Value-----	R6RFCARE	R7RFCARE	R8RFCARE	R9RFCARE	R10RFCARE
.d:DK	2	3		7	13
.h:no help received	1594	1671	1712	1594	1998
.m:Missing	7	10	7	2	2
.r:Refuse	3		1		3
.x:no difficulties	13784	15487	13868	12911	16455
0.no	2398	2523	2478	2308	2958

1.yes	377	435	403	395	605
Value-----	R11RFCARE	R12RFCARE	R13RFCARE	R14RFCARE	R15RFCARE
.d:DK	22	21	21	19	28
.h:no help received	1778	1760	1925	1594	1859
.m:Missing		1		1	5
.r:Refuse	3	8	3	7	2
.x:no difficulties	15402	13719	15629	12852	11549
0.no	3041	2874	2991	2398	2053
1.yes	308	364	343	275	227
Value-----		S2RFCARE	S3RFCARE	S4RFCARE	S5RFCARE
.d:DK		6	2		
.f:infrequent care		29			
.h:no help received		199	838	956	934
.m:Missing		1	15	7	
.q:not asked this wave		8738			
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.x:no difficulties		3018	9741	11514	10429
0.no		1035	1247	1389	1286
1.yes		62	73	112	81
Value-----	S6RFCARE	S7RFCARE	S8RFCARE	S9RFCARE	S10RFCARE
.d:DK		2		2	5
.h:no help received	797	824	851	767	929
.m:Missing	3	1	1	2	
.r:Refuse	1				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	9544	10717	9495	8649	10830
0.no	1209	1325	1284	1133	1611
1.yes	78	99	97	87	132
Value-----	S11RFCARE	S12RFCARE	S13RFCARE	S14RFCARE	S15RFCARE
.d:DK	8	7	9	2	8
.h:no help received	858	775	798	623	873
.m:Missing				1	2
.r:Refuse			1	2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10009	8691	9456	7514	6603
0.no	1556	1467	1455	1167	944
1.yes	45	72	59	49	35
Value-----		R2RFCAREPD	R3RFCAREPD	R4RFCAREPD	R5RFCAREPD
.d:DK		25	4	8	1
.f:infrequent care		65			
.h:no help received		495	1580	1804	1754
.m:Missing		2	55	51	14
.q:not asked this wave		11595			
.r:Refuse				3	1
.w:less than weekly help		70			
.x:no difficulties		5361	13708	16508	15036
0.no		2047	2461	2787	2587
1.yes		157	183	223	185
Value-----	R6RFCAREPD	R7RFCAREPD	R8RFCAREPD	R9RFCAREPD	R10RFCAREPD
.d:DK	3	3	2	7	18
.h:no help received	1594	1671	1712	1594	1998
.m:Missing	19	31	27	25	41
.r:Refuse	3	1	2	1	4
.x:no difficulties	13784	15487	13868	12911	16455
0.no	2554	2710	2633	2472	3218
1.yes	208	226	225	207	300
Value-----	R11RFCAREPD	R12RFCAREPD	R13RFCAREPD	R14RFCAREPD	R15RFCAREPD
.d:DK	22	22	21	19	29
.h:no help received	1778	1760	1925	1594	1859
.m:Missing	19	26	22	18	24
.r:Refuse	3	10	3	8	2
.x:no difficulties	15402	13719	15629	12852	11549
0.no	3251	3128	3227	2572	2196
1.yes	79	82	85	83	64
Value-----		S2RFCAREPD	S3RFCAREPD	S4RFCAREPD	S5RFCAREPD

.d:DK		6	2		
.f:infrequent care		29			
.h:no help received		199	838	956	934
.m:Missing		1	18	16	6
.q:not asked this wave		8738			
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.w:less than weekly help		9			
.x:no difficulties		3018	9741	11514	10429
0.no		1054	1286	1429	1312
1.yes		34	31	63	49

Value-----		S6RFCAREPD	S7RFCAREPD	S8RFCAREPD	S9RFCAREPD	S10RFCAREPD
.d:DK			2		2	5
.h:no help received		797	824	851	767	929
.m:Missing		6	7	6	5	10
.r:Refuse		1				1
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.x:no difficulties		9544	10717	9495	8649	10830
0.no		1232	1364	1311	1166	1664
1.yes		52	54	65	51	69

Value-----		S11RFCAREPD	S12RFCAREPD	S13RFCAREPD	S14RFCAREPD	S15RFCAREPD
.d:DK		8	7	9	2	9
.h:no help received		858	775	798	623	873
.m:Missing		5	10	2	4	6
.r:Refuse				1	2	1
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.x:no difficulties		10009	8691	9456	7514	6603
0.no		1585	1513	1496	1196	961
1.yes		11	16	16	17	13

## How Constructed:

The following variables indicate whether any non-relative helps the respondent with any ADL or IADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs, up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL or IADL, and are coded as special missing .h if the respondent reports difficulty with an ADL or IADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRFCARE, RwRFCAREN, RwRFCAREDP, RwRFCAREDPMM, RwRFCAREHR, RwRFCAREHRM, and RwRFCAREPD include help from other individuals in the AHEAD cohort in Wave 2 and in Waves 3 through 5. These variables include help from other individuals and persons of unknown relationships in Waves 6 and onward.

RwRFCARE indicates whether any of the respondent's non-relatives help the respondent with ADL or IADL needs. RwRFCAREN indicates the number of the respondent's non-relatives who help the respondent with ADL

or IADL needs. RwrFCARE is coded as 0 if none of the respondent's non-relatives help the respondent with ADLs or IADLs, and is coded as 1 if at least one of the respondent's non-relatives help the respondent with ADLs or IADLs. In Wave 2, RwrFCARE and RwrFCAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwrFCARE and RwrFCAREN are not available in Wave 1.

RwrFCAREDPM indicates the number of total days per month the respondent's non-relatives help the respondent with ADL or IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwrFCAREDPM is the sum of days per month for all non-relative helpers, and so values can be over 31 days. RwrFCAREDPM is calculated as long as there is one non-missing value. RwrFCAREDPMM indicates the number of non-relatives who helped the respondent for whom no value of days was reported and was not accounted for in RwrFCAREDPM. RwrFCAREDPMM is assigned special missing .m if the respondent was not helped by any non-relatives or prior information was missing. RwrFCAREDPM and RwrFCAREDPMM are not available in Waves 1 and 2.

RwrFCAREHR indicates the number of hours per day the respondent's non-relatives help the respondent with ADL or IADL needs. Respondents are asked, on days their non-relatives help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RwrFCAREHR is the sum of hours per day for all non-relative helpers, and so values can be over 24 hours. RwrFCAREHR is calculated as long as there is one non-missing value. RwrFCAREHRM indicates the number of non-relatives who helped the respondent for whom no value of hours was reported and was not accounted for in RwrFCAREHR. RwrFCAREHR is assigned a special missing .w in the AHEAD cohort in Wave 2 if this question is not asked because the respondent's non-relative helpers help less than once per week. RwrFCAREHRM is assigned special missing .m if the respondent was not helped by any non-relatives or prior information was missing. In Wave 2, RwrFCAREHR and RwrFCAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwrFCAREHR and RwrFCAREHRM are not available in Wave 1.

RwrFCAREPD indicates whether any of the respondent's non-relative helpers are paid for the care given to the respondent for ADL or IADL needs. RwrFCAREPD is assigned a value of 0 if the respondent receives no care from non-relatives, or the respondent does receive care from non-relatives and none of them are paid. RwrFCAREPD is assigned a value of 1 if the respondent receives care from non-relatives and at least one of them is paid for the care given to the respondent. RwrFCAREPD is assigned a special missing .w in the AHEAD cohort in Wave 2 if this question is not asked because the respondent's non-relative helpers help less than once per week. In Wave 2, RwrFCAREPD is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwrFCAREPD is not available in Wave 1.

SwrFCARE, SwrFCAREN, SwrFCAREDPM, SwrFCAREHR, and SwrFCAREPD indicate whether the respondent's current wave's spouse receives help from non-relatives, the number, the frequency with which, and whether any are paid, and their values are taken from RwrFCARE, RwrFCAREN, RwrFCAREDPM, RwrFCAREHR, and RwrFCAREPD. SwrFCAREDPMM and SwrFCAREHRM indicate the number of non-relatives who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RwrFCAREDPMM and RwrFCAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs or IADLs at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs, up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves. To make this wave more comparable with subsequent waves, we have assigned special

missing codes if the respondent reports receiving no help and having no difficulty with the ADL, and if the respondent reports receiving help but having no difficulty with the ADL in Wave 2.

Respondents are asked who helps them with ADLS or IADLS, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWRFCARE, RWRFCAREN, and RWRFCAREPD are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RWRFCARE, RWRFCAREN, and RWRFCAREPD are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a non-relative helps them with ADLS or IADLS, and were asked how frequently and the number of hours that the non-relative provides help. However, the frequency of help is not comparable to other waves and so RWRFCAREDPD and RWRFCAREDPMM are not available in this wave. The number of hours that the non-relative helps is comparable, and so RWRFCAREHR and RWRFCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RWRFCAREHR and RWRFCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with ADLS or IADLS, and are asked about the number of days or number of hours that the respondent's non-relative helps the respondent. As such, RWRFCAREDPD and RWRFCAREDPMM are available beginning in Wave 3.

In the AHEAD cohort in Wave 2, respondents are not asked whether the helper is paid if they help less than once per week. Starting in Wave 3, respondents are asked whether the helper is paid regardless of the frequency of the help.

### HRS Variables Used:

#### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10MEALSA	r10mealsa:w10 r any diff-prepare hot meal
R10MEDSA	r10medsa:w10 r any diff-take medications
R10MONEYA	r10moneya:w10 r any diff-managing money
R10PHONEA	r10phonea:w10 r any diff-use telephone
R10SHOPA	r10shopa:w10 r any diff-shop for grocery
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11MEALSA	r11mealsa:w11 r any diff-prepare hot meal
R11MEDSA	r11medsa:w11 r any diff-take medications
R11MONEYA	r11moneya:w11 r any diff-managing money
R11PHONEA	r11phonea:w11 r any diff-use telephone
R11SHOPA	r11shopa:w11 r any diff-shop for grocery
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed
R12DRESSA	r12dressa:w12 r any diff-dressing
R12EATA	r12eata:w12 r any diff-eating
R12MEALSA	r12mealsa:w12 r any diff-prepare hot meal
R12MEDSA	r12medsa:w12 r any diff-take medications
R12MONEYA	r12moneya:w12 r any diff-managing money
R12PHONEA	r12phonea:w12 r any diff-use telephone
R12SHOPA	r12shopa:w12 r any diff-shop for grocery
R12TOILTA	r12toilta:w12 r any diff-using the toilet
R12WALKRA	r12walkra:w12 r any diff-walk across room
R13BATHA	r13batha:w13 r any diff-bathing, shower
R13BEDA	r13beda:w13 r any diff-get in/out bed

R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13MEALSA r13mealsa:w13 r any diff-prepare hot meal  
R13MEDSA r13medsa:w13 r any diff-take medications  
R13MONEYA r13moneya:w13 r any diff-managing money  
R13PHONEA r13phonea:w13 r any diff-use telephone  
R13SHOPA r13shopa:w13 r any diff-shop for grocery  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14MEALSA r14mealsa:w14 r any diff-prepare hot meal  
R14MEDSA r14medsa:w14 r any diff-take medications  
R14MONEYA r14moneya:w14 r any diff-managing money  
R14PHONEA r14phonea:w14 r any diff-use telephone  
R14SHOPA r14shopa:w14 r any diff-shop for grocery  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15MEALSA r15mealsa:w15 r any diff-prepare hot meal  
R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
R5MEDSA r5medsa:w5 r any diff-take medications  
R5MONEYA r5moneya:w5 r any diff-managing money  
R5PHONEA r5phonea:w5 r any diff-use telephone  
R5SHOPA r5shopa:w5 r any diff-shop for grocery  
R5TOILTA r5toilta:w5 r any diff-using the toilet

R5WALKRA	r5walkra:w5 r any diff-walk across room
R6BATHA	r6batha:w6 r any diff-bathing, shower
R6BEDA	r6beda:w6 r any diff-get in/out bed
R6DRESSA	r6dressa:w6 r any diff-dressing
R6EATA	r6eata:w6 r any diff-eating
R6MEALSA	r6mealsa:w6 r any diff-prepare hot meal
R6MEDSA	r6medsa:w6 r any diff-take medications
R6MONEYA	r6moneya:w6 r any diff-managing money
R6PHONEA	r6phonea:w6 r any diff-use telephone
R6SHOPA	r6shopa:w6 r any diff-shop for grocery
R6TOILTA	r6toilta:w6 r any diff-using the toilet
R6WALKRA	r6walkra:w6 r any diff-walk across room
R7BATHA	r7batha:w7 r any diff-bathing, shower
R7BEDA	r7beda:w7 r any diff-get in/out bed
R7DRESSA	r7dressa:w7 r any diff-dressing
R7EATA	r7eata:w7 r any diff-eating
R7MEALSA	r7mealsa:w7 r any diff-prepare hot meal
R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R7TOILTA	r7toilta:w7 r any diff-using the toilet
R7WALKRA	r7walkra:w7 r any diff-walk across room
R8BATHA	r8batha:w8 r any diff-bathing, shower
R8BEDA	r8beda:w8 r any diff-get in/out bed
R8DRESSA	r8dressa:w8 r any diff-dressing
R8EATA	r8eata:w8 r any diff-eating
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty



B823 e45. toilet who helps  
 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  
 B913 e54. iadls-who helps most often  
 B924 e55a.iadls who other helper  
 B948 e57. iadl money  
 B950 e58. money who helps

## Wave 2 AHEAD Helper:

BRELATEP HELPER RELATION TO R  
 HN HELPER NUMBER  
 OPN OTHER PERSON NUMBER  
 OTHRHELP OTHER HELPER RELATION TO R  
 V992 E60. HELPER HOW OFTEN  
 V993 E61. HELPER HOURS PER DAY

## Wave 2 AHEAD HHLIST:

OPN OTHER PERSON NUMBER  
 RELATE\_F RELATIONSHIP TO FEMALE R  
 RELATE\_M RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN\_INHH hrs w2: # in hhold (r1/r2 only)

## Wave 3 AHEAD:

D1870 adlck.ckpt for skipping adl series  
 D1877 e72f.adl walk help  
 D1887 e73f.adl dress help  
 D1897 e74f.adl bathe help  
 D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7  
 D2024 e95c.iadl meals help  
 D2029 e96c.iadl groc help  
 D2034 e97c.iadl phone help  
 D2039 e98c.iadl med help  
 D2041 e99.iadls-who help,1  
 D2050 e100.iadls-who help,2  
 D2055 e101.iadls-who help,3  
 D2061 e102.iadls-who help,4  
 D2067 e103.iadls-who help,5  
 D2073 e104.iadls-who help,6  
 D2102 e106c.iadl money who help,1  
 D2107 e107. money help-1  
 D2115 e107c.iadl money who help,2  
 D2121 e108. money helper-2

## Wave 3 AHEAD Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
 E1901 e72f.adl walk help  
 E1911 e73f.adl dress help

E1921 e74f.adl bathe help  
 E1931 e75f.adl eat help  
 E1944 e76f.adl bed help  
 E1954 e77f.adl toilet help  
 E1976 e83.who help-11  
 E1990 e84.who help-2  
 E1999 e85.who help-3  
 E2003 e86.who help-4  
 E2007 e87.who help-5  
 E2011 e88.who help-6  
 E2015 e89.who help-7  
 E2039 e95c.iadl meals help  
 E2044 e96c.iadl groc help  
 E2049 e97c.iadl phone help  
 E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2426 e73f.adl dress help  
 F2431 e72.adl walk help  
 F2447 e74f.adl bathe help  
 F2457 e75f.adl eat help  
 F2470 e76f.adl bed help  
 F2480 e77f.adl toilet help  
 F2502 e83.who help-11  
 F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help  
 F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help

F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4  
 F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6  
 F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

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  
 F2658 E158-2. HELPER OFTEN  
 F2659 E158A-2.HELPER PER WEEK  
 F2660 E158B-2.HELPER EVERY DAY  
 F2662 E159-2. HELPER HOURS  
 F2665 E162-2. HELPER PAID  
 OPN OTHER PERSON NUMBER

## Wave 5:

G2724 e73f.adl dress help  
 G2729 e72y1.adl walk help  
 G2745 e74f.adl bathe help  
 G2755 e75f.adl eat help  
 G2768 e76f.adl bed help  
 G2778 e77f.adl toilet help  
 G2800 e83.who help-11  
 G2814 e84.who help-2  
 G2823 e85.who help-3  
 G2827 e86.who help-4  
 G2831 e87.who help-5  
 G2835 e88.who help-6  
 G2839 e89.who help-7  
 G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help  
 G2873 e97c.iadl phone help  
 G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2  
 G558 cs11.r in nursing home

## Wave 5 Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HA028 r in nursing home  
 HG013 chkpnt: count of hg001 through hg012  
 HG015 help w/dress  
 HG020 adl walk help  
 HG022 adl bathe help  
 HG024 adl eat help  
 HG029 adl bed help  
 HG031 adl toilet help  
 HG032\_1 who helps most- adl- 1  
 HG032\_2 who helps- adl- 2  
 HG032\_3 who helps- adl- 3  
 HG032\_4 who helps- adl- 4  
 HG032\_5 who helps- adl- 5  
 HG032\_6 who helps- adl- 6  
 HG032\_7 who helps- adl- 7  
 HG043 iadl meal preparation help  
 HG046 iadl groc shop help  
 HG049 iadl making phone calls help  
 HG053 iadl taking medications help  
 HG054\_1 iadls- who helps most-1  
 HG054\_2 iadls- who helps- 2  
 HG054\_3 iadls- who helps- 3  
 HG054\_4 iadls- who helps- 4  
 HG054\_5 iadls- who helps- 5  
 HG054\_6 iadls- who helps- 6  
 HG061 iadl managing money help  
 HG062\_1 who helps manage money-1  
 HG062\_2 who helps manage money-2

## Wave 6 Helper:

HADLNDX adl helper index  
 HG069 helper relationship  
 HG070 freq of help given- days in last month  
 HG071 freq of help given- days per week  
 HG072 did helper help every dy  
 HG073 #hrs of help  
 HG076 helper paid to help  
 HIADLNDX iadl helper index  
 HMNYNDX money helper index

## Wave 7:

JA028 r in nursing home  
 JG013 chkpnt: count of jg001 through jg012  
 JG015 help w/dress  
 JG020 adl walk help  
 JG022 adl bathe help  
 JG024 adl eat help  
 JG029 adl bed help  
 JG031 adl toilet help  
 JG032\_1 who helps most- adl- 1  
 JG032\_2 who helps- adl- 2  
 JG032\_3 who helps- adl- 3  
 JG032\_4 who helps- adl- 4  
 JG032\_5 who helps- adl- 5  
 JG032\_6 who helps- adl- 6  
 JG032\_7 who helps- adl- 7  
 JG043 iadl meal preparation help  
 JG046 iadl groc shop help  
 JG049 iadl making phone calls help  
 JG053 iadl taking medications help  
 JG054\_1 iadls- who helps most-1

JG054_2	iadls- who helps- 2
JG054_3	iadls- who helps- 3
JG054_4	iadls- who helps- 4
JG054_5	iadls- who helps- 5
JG054_6	iadls- who helps- 6
JG061	iadl managing money help
JG062_1	who helps manage money-1
JG062_2	who helps manage money-2
Wave 7 Helper:	
JADLNDX	index connection to the adl table
JG069	helper relationship
JG070	freq of help given-days last month
JG071	# days helper helped
JG072	did helper help every dy
JG073	#hrs of help
JG076	helper given money to help
JIADLNDX	index connection to the iadl table
JMNYNDX	index connection to the money table
Wave 8:	
KA028	r in nursing home
KG013	chkpnt: count of jg001 through jg012
KG015	help w/dress
KG020	adl walk help
KG022	adl bathe help
KG024	adl eat help
KG029	adl bed help
KG031	adl toilet help
KG032_1	who helps most- adl- 1
KG032_2	who helps- adl- 2
KG032_3	who helps- adl- 3
KG032_4	who helps- adl- 4
KG032_5	who helps- adl- 5
KG032_6	who helps- adl- 6
KG032_7	who helps- adl- 7
KG043	iadl meal preparation help
KG046	iadl groc shop help
KG049	iadl making phone calls help
KG053	iadl taking medications help
KG054_1	iadls- who helps most-1
KG054_2	iadls- who helps- 2
KG054_3	iadls- who helps- 3
KG054_4	iadls- who helps- 4
KG054_5	iadls- who helps- 5
KG054_6	iadls- who helps- 6
KG061	iadl managing money help
KG062_1	who helps manage money-1
KG062_2	who helps manage money-2
Wave 8 Helper:	
KADLNDX	index connection to the adl table
KG069	helper relationship
KG070	freq of help given-days last month
KG071	# days helper helped
KG072	did helper help every dy
KG073	#hrs of help
KG076	helper given money to help
KIADLNDX	index connection to the iadl table
KMNYNDX	index connection to the money table
Wave 9:	
LA028	r in nursing home
LG013	chkpnt: count of lg001 through lg012
LG015	help w/dress
LG020	adl walk help
LG022	adl bathe help

LG024	adl eat help
LG029	adl bed help
LG031	adl toilet help
LG032_1	who helps most- adl- 1
LG032_2	who helps- adl- 2
LG032_3	who helps- adl- 3
LG032_4	who helps- adl- 4
LG032_5	who helps- adl- 5
LG032_6	who helps- adl- 6
LG032_7	who helps- adl- 7
LG043	iadl meal preparation help
LG046	iadl groc shop help
LG049	iadl making phone calls help
LG053	iadl taking medications help
LG054_1	iadls- who helps most-1
LG054_2	iadls- who helps- 2
LG054_3	iadls- who helps- 3
LG054_4	iadls- who helps- 4
LG054_5	iadls- who helps- 5
LG054_6	iadls- who helps- 6
LG061	iadl managing money help
LG062_1	who helps manage money-1
LG062_2	who helps manage money-2
Wave 9 Helper:	
LADLNDX	index connection to the adl table
LG069	helper relationship
LG070	freq of help given-days last month
LG071	# days helper helped
LG072	did helper help every day
LG073	#hrs of help
LG076	helper given money to help
LIADLNDX	index connection to the iadl table
LMNYNDX	index connection to the money table
Wave 10:	
MA028	r in nursing home
MG013	chkpnt: count of mg001 through mg012
MG015	help w/dress
MG020	adl walk help
MG022	adl bathe help
MG024	adl eat help
MG029	adl bed help
MG031	adl toilet help
MG032_1	who helps most- adl- 1
MG032_2	who helps- adl- 2
MG032_3	who helps- adl- 3
MG032_4	who helps- adl- 4
MG032_5	who helps- adl- 5
MG032_6	who helps- adl- 6
MG032_7	who helps- adl- 7
MG043	iadl meal preparation help
MG046	iadl groc shop help
MG049	iadl making phone calls help
MG053	iadl taking medications help
MG054_1	iadls- who helps -1
MG054_2	iadls- who helps- 2
MG054_3	iadls- who helps- 3
MG054_4	iadls- who helps- 4
MG054_5	iadls- who helps- 5
MG054_6	iadls- who helps- 6
MG061	iadl managing money help
MG062_1	who helps manage money-1
MG062_2	who helps manage money-2
Wave 10 Helper:	

MADLNDX	index connection to the adl table
MG069	helper relationship -1
MG070	freq of help given -1
MG071	# days helper helped -1
MG072	did helper help every dy -1
MG073	#hrs of help -1
MG076	helper given money to help -1
MIADLNDX	index connection to the iadl table
MMNYNDX	index connection to the money table
Wave 11:	
NA028	r in nursing home
NG013	chkpnt: count of ng001 through ng012
NG015	help w/dress
NG020	adl walk help
NG022	adl bathe help
NG024	adl eat help
NG029	adl bed help
NG031	adl toilet help
NG032_1	who helps most- adl- 1
NG032_2	who helps- adl- 2
NG032_3	who helps- adl- 3
NG032_4	who helps- adl- 4
NG032_5	who helps- adl- 5
NG032_6	who helps- adl- 6
NG032_7	who helps- adl- 7
NG043	iadl meal preparation help
NG046	iadl groc shop help
NG049	iadl making phone calls help
NG053	iadl taking medications help
NG054_1	iadls- who helps -1
NG054_2	iadls- who helps- 2
NG054_3	iadls- who helps- 3
NG054_4	iadls- who helps- 4
NG054_5	iadls- who helps- 5
NG054_6	iadls- who helps- 6
NG061	iadl managing money help
NG062_1	who helps manage money-1
NG062_2	who helps manage money-2
Wave 11 Helper:	
NADLNDX	index connection to the adl table
NG069	helper relationship
NG070	freq of help given
NG071	# days helper helped
NG072	did helper help every dy
NG073	#hrs of help
NG076	helper given money to help
NIADLNDX	index connection to the iadl table
NMNYNDX	index connection to the money table
Wave 12:	
OA028	r in nursing home
OG013	chkpnt: count of g001 through g012
OG015	help w/dress
OG020	adl walk help
OG022	adl bathe help
OG024	adl eat help
OG029	adl bed help
OG031	adl toilet help
OG032_1	who helps most- adl- 1
OG032_2	who helps- adl- 2
OG032_3	who helps- adl- 3
OG032_4	who helps- adl- 4
OG032_5	who helps- adl- 5
OG032_6	who helps- adl- 6

OG032\_7 who helps- adl- 7  
 OG043 iadl meal preparation help  
 OG046 iadl groc shop help  
 OG049 iadl making phone calls help  
 OG053 iadl taking medications help  
 OG054\_1 iadls- who helps -1  
 OG054\_2 iadls- who helps- 2  
 OG054\_3 iadls- who helps- 3  
 OG054\_4 iadls- who helps- 4  
 OG054\_5 iadls- who helps- 5  
 OG054\_6 iadls- who helps- 6  
 OG061 iadl managing money help  
 OG062\_1 who helps manage money-1  
 OG062\_2 who helps manage money-2

## Wave 12 Helper:

OADLNDX index connection to the adl table  
 OG069 helper relationship  
 OG070 freq of help given  
 OG071 # days helper helped  
 OG072 did helper help every dy  
 OG073 #hrs of help  
 OG076 helper given money to help  
 OIADLNDX index connection to the iadl table  
 OMNYNDX index connection to the money table

## Wave 13:

PA028 r in nursing home  
 PG013 chkpnt: count of g001 through g012  
 PG015 help w/dress  
 PG020 adl walk help  
 PG022 adl bathe help  
 PG024 adl eat help  
 PG029 adl bed help  
 PG031 adl toilet help  
 PG032\_1 who helps most- adl- 1  
 PG032\_2 who helps- adl- 2  
 PG032\_3 who helps- adl- 3  
 PG032\_4 who helps- adl- 4  
 PG032\_5 who helps- adl- 5  
 PG032\_6 who helps- adl- 6  
 PG032\_7 who helps- adl- 7  
 PG043 iadl meal preparation help  
 PG046 iadl groc shop help  
 PG049 iadl making phone calls help  
 PG053 iadl taking medications help  
 PG054\_1 iadls- who helps -1  
 PG054\_2 iadls- who helps- 2  
 PG054\_3 iadls- who helps- 3  
 PG054\_4 iadls- who helps- 4  
 PG054\_5 iadls- who helps- 5  
 PG054\_6 iadls- who helps- 6  
 PG061 iadl managing money help  
 PG062\_1 who helps manage money-1  
 PG062\_2 who helps manage money-2

## Wave 13 Helper:

PADLNDX index connection to the adl table  
 PG069 helper relationship  
 PG070 freq of help given  
 PG071 # days helper helped  
 PG072 did helper help every dy  
 PG073 #hrs of help  
 PG076 helper given money to help  
 PIADLNDX index connection to the iadl table  
 PMNYNDX index connection to the money table



## Wave 14:

QA028 r in nursing home  
 QG013 chkpnt: count of g001 through g012  
 QG015 help w/dress  
 QG020 adl walk help  
 QG022 adl bathe help  
 QG024 adl eat help  
 QG029 adl bed help  
 QG031 adl toilet help  
 QG032\_1 who helps most- adl- 1  
 QG032\_2 who helps- adl- 2  
 QG032\_3 who helps- adl- 3  
 QG032\_4 who helps- adl- 4  
 QG032\_5 who helps- adl- 5  
 QG032\_6 who helps- adl- 6  
 QG032\_7 who helps- adl- 7  
 QG043 iadl meal preparation help  
 QG046 iadl groc shop help  
 QG049 iadl making phone calls help  
 QG053 iadl taking medications help  
 QG054\_1 iadls- who helps -1  
 QG054\_2 iadls- who helps- 2  
 QG054\_3 iadls- who helps- 3  
 QG054\_4 iadls- who helps- 4  
 QG054\_5 iadls- who helps- 5  
 QG054\_6 iadls- who helps- 6  
 QG061 iadl managing money help  
 QG062\_1 who helps manage money-1  
 QG062\_2 who helps manage money-2

## Wave 14 Helper:

QADLNDX INDEX CONNECTION TO THE ADL TABLE  
 QG069 HELPER RELATIONSHIP  
 QG070 FREQ OF HELP GIVEN  
 QG071 # DAYS HELPER HELPED  
 QG072 DID HELPER HELP EVERY DY  
 QG073 #HRS OF HELP  
 QG076 HELPER GIVEN MONEY TO HELP  
 QIADLNDX INDEX CONNECTION TO THE IADL TABLE  
 QMNYNDX INDEX CONNECTION TO THE MONEY TABLE

## Wave 15:

RA028 r in nursing home  
 RG013 chkpnt: count of g001 through g012  
 RG015 help w/dress  
 RG020 adl walk help  
 RG022 adl bathe help  
 RG024 adl eat help  
 RG029 adl bed help  
 RG031 adl toilet help  
 RG032\_1 who helps most- adl- 1  
 RG032\_2 who helps- adl- 2  
 RG032\_3 who helps- adl- 3  
 RG032\_4 who helps- adl- 4  
 RG032\_5 who helps- adl- 5  
 RG032\_6 who helps- adl- 6  
 RG032\_7 who helps- adl- 7  
 RG043 iadl meal preparation help  
 RG046 iadl groc shop help  
 RG049 iadl making phone calls help  
 RG053 iadl taking medications help  
 RG054\_1 iadls- who helps -1  
 RG054\_2 iadls- who helps- 2  
 RG054\_3 iadls- who helps- 3  
 RG054\_4 iadls- who helps- 4

RG054\_5 iadls- who helps- 5  
RG054\_6 iadls- who helps- 6  
RG061 iadl managing money help  
RG062\_1 who helps manage money-1  
RG062\_2 who helps manage money-2

## Wave 15 Helper:

RADLNDX INDEX CONNECTION TO THE ADL TABLE  
RG069 HELPER RELATIONSHIP  
RG070 FREQ OF HELP GIVEN  
RG071 # DAYS HELPER HELPED  
RG072 DID HELPER HELP EVERY DY  
RG073 #HRS OF HELP  
RG076 HELPER GIVEN MONEY TO HELP  
RIADLNDX INDEX CONNECTION TO THE IADL TABLE  
RMNYNDX INDEX CONNECTION TO THE MONEY TABLE

### Activities of Daily Living and Instrumental Activities of Daily Living: Whether Receives Any Formal Care

Wave	Variable	Label	Type
02	R2RFAANY	r2rfaany:w2 r receives any formal care for adls/iadls	Categ
03	R3RFAANY	r3rfaany:w3 r receives any formal care for adls/iadls	Categ
04	R4RFAANY	r4rfaany:w4 r receives any formal care for adls/iadls	Categ
05	R5RFAANY	r5rfaany:w5 r receives any formal care for adls/iadls	Categ
06	R6RFAANY	r6rfaany:w6 r receives any formal care for adls/iadls	Categ
07	R7RFAANY	r7rfaany:w7 r receives any formal care for adls/iadls	Categ
08	R8RFAANY	r8rfaany:w8 r receives any formal care for adls/iadls	Categ
09	R9RFAANY	r9rfaany:w9 r receives any formal care for adls/iadls	Categ
10	R10RFAANY	r10rfaany:w10 r receives any formal care for adls/iadls	Categ
11	R11RFAANY	r11rfaany:w11 r receives any formal care for adls/iadls	Categ
12	R12RFAANY	r12rfaany:w12 r receives any formal care for adls/iadls	Categ
13	R13RFAANY	r13rfaany:w13 r receives any formal care for adls/iadls	Categ
14	R14RFAANY	r14rfaany:w14 r receives any formal care for adls/iadls	Categ
15	R15RFAANY	r15rfaany:w15 r receives any formal care for adls/iadls	Categ
02	S2RFAANY	s2rfaany:w2 s receives any formal care for adls/iadls	Categ
03	S3RFAANY	s3rfaany:w3 s receives any formal care for adls/iadls	Categ
04	S4RFAANY	s4rfaany:w4 s receives any formal care for adls/iadls	Categ
05	S5RFAANY	s5rfaany:w5 s receives any formal care for adls/iadls	Categ
06	S6RFAANY	s6rfaany:w6 s receives any formal care for adls/iadls	Categ
07	S7RFAANY	s7rfaany:w7 s receives any formal care for adls/iadls	Categ
08	S8RFAANY	s8rfaany:w8 s receives any formal care for adls/iadls	Categ
09	S9RFAANY	s9rfaany:w9 s receives any formal care for adls/iadls	Categ
10	S10RFAANY	s10rfaany:w10 s receives any formal care for adls/iadls	Categ
11	S11RFAANY	s11rfaany:w11 s receives any formal care for adls/iadls	Categ
12	S12RFAANY	s12rfaany:w12 s receives any formal care for adls/iadls	Categ
13	S13RFAANY	s13rfaany:w13 s receives any formal care for adls/iadls	Categ
14	S14RFAANY	s14rfaany:w14 s receives any formal care for adls/iadls	Categ
15	S15RFAANY	s15rfaany:w15 s receives any formal care for adls/iadls	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RFAANY	2769	0.10	0.29	0.00	1.00
R3RFAANY	4236	0.05	0.21	0.00	1.00
R4RFAANY	4844	0.06	0.24	0.00	1.00
R5RFAANY	4541	0.06	0.23	0.00	1.00
R6RFAANY	4369	0.14	0.35	0.00	1.00
R7RFAANY	4629	0.13	0.33	0.00	1.00
R8RFAANY	4593	0.13	0.34	0.00	1.00
R9RFAANY	4297	0.14	0.35	0.00	1.00
R10RFAANY	5561	0.11	0.32	0.00	1.00
R11RFAANY	5127	0.16	0.37	0.00	1.00
R12RFAANY	4998	0.15	0.36	0.00	1.00
R13RFAANY	5259	0.14	0.35	0.00	1.00
R14RFAANY	4267	0.13	0.34	0.00	1.00
R15RFAANY	4139	0.10	0.30	0.00	1.00
S2RFAANY	1296	0.05	0.22	0.00	1.00
S3RFAANY	2158	0.03	0.18	0.00	1.00
S4RFAANY	2457	0.03	0.18	0.00	1.00
S5RFAANY	2301	0.03	0.17	0.00	1.00
S6RFAANY	2084	0.06	0.25	0.00	1.00
S7RFAANY	2248	0.06	0.23	0.00	1.00
S8RFAANY	2232	0.06	0.24	0.00	1.00
S9RFAANY	1987	0.05	0.22	0.00	1.00

S10RFAANY	2672	0.06	0.24	0.00	1.00
S11RFAANY	2459	0.08	0.28	0.00	1.00
S12RFAANY	2314	0.07	0.25	0.00	1.00
S13RFAANY	2312	0.08	0.27	0.00	1.00
S14RFAANY	1839	0.08	0.27	0.00	1.00
S15RFAANY	1852	0.05	0.22	0.00	1.00

### Categorical Variable Codes

Value-----	R2RFAANY	R3RFAANY	R4RFAANY	R5RFAANY
.d:DK	25	4	3	
.f:infrequent care	65			
.m:Missing	2	43	28	
.q:not asked this wave	11595			
.r:Refuse			1	1
.x:no difficulties	5361	13708	16508	15036
0.no	2503	4032	4551	4290
1.yes	266	204	293	251

Value-----	R6RFAANY	R7RFAANY	R8RFAANY	R9RFAANY	R10RFAANY
.d:DK	2	3		7	13
.m:Missing	7	10	7	2	2
.r:Refuse	3		1		3
.x:no difficulties	13784	15487	13868	12911	16455
0.no	3749	4045	3999	3702	4938
1.yes	620	584	594	595	623

Value-----	R11RFAANY	R12RFAANY	R13RFAANY	R14RFAANY	R15RFAANY
.d:DK	22	21	21	19	28
.m:Missing		1		1	5
.r:Refuse	3	8	3	7	2
.x:no difficulties	15402	13719	15629	12852	11549
0.no	4288	4250	4513	3716	3712
1.yes	839	748	746	551	427

Value-----	S2RFAANY	S3RFAANY	S4RFAANY	S5RFAANY
.d:DK	6	2		
.f:infrequent care	29			
.m:Missing	1	15	7	
.q:not asked this wave	8738			
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.x:no difficulties	3018	9741	11514	10429
0.no	1233	2089	2372	2235
1.yes	63	69	85	66

Value-----	S6RFAANY	S7RFAANY	S8RFAANY	S9RFAANY	S10RFAANY
.d:DK		2		2	5
.m:Missing	3	1	1	2	
.r:Refuse	1				1
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.x:no difficulties	9544	10717	9495	8649	10830
0.no	1949	2124	2097	1881	2513
1.yes	135	124	135	106	159

Value-----	S11RFAANY	S12RFAANY	S13RFAANY	S14RFAANY	S15RFAANY
.d:DK	8	7	9	2	8
.m:Missing				1	2
.r:Refuse			1	2	1
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.x:no difficulties	10009	8691	9456	7514	6603
0.no	2256	2157	2129	1699	1757
1.yes	203	157	183	140	95

### How Constructed:

RwRFAANY indicates whether the respondent receives any formal care for difficulties with activities of daily living (ADL) and/or instrumental activities of daily living (IADL). The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the

toilet. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, if the respondent reports having difficulty with an ADL, then they are asked whether someone helps them with that activity, and if so, who helps them with that activity. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs, up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The information used to derive this variable is taken from the respondent-level and helper-level HRS helper files.

For the AHEAD cohort in Wave 2, the following relationship is considered to provide formal care: organization/agency. In Waves 3 through 5, the following relationships are considered to provide formal care: professional, employee of institution, and organization. In Waves 6 and onward, the following relationships are considered to provide formal care: organization, employee of institution, paid helper, professional, and specified professional.

RwRFAANY is assigned a value of 0 if the respondent has difficulty with at least one ADL or IADL but receives no help with the activity from a formal caregiver or does not receive any help at all. RwRFAANY is assigned a value of 1 if the respondent has difficulty with at least one ADL or IADL and a formal caregiver helps with at least one of the activities. RwRFAANY is assigned special missing .x if the respondent has no difficulty with any ADLs or IADLs. Respondents in the AHEAD cohort in Wave 2 are not asked who helps them with ADLs if they report receiving help with the ADL some of the time or occasionally (as opposed to most/all of the time), in which case RwRFAANY is assigned special missing .f. These questions are not asked for the HRS cohort in Wave 2, so RwRFAANY is assigned special missing .q in this wave. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRFAANY is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRFAANY indicates whether the respondent's current wave's spouse receives any formal care for difficulties with ADLs or IADLs, and its values are taken from RwRFAANY. In addition to the special missing codes employed by RwRFAANY, SwRFAANY employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

These questions are not asked at all in Wave 1 and for the HRS cohort in Wave 2.

In the AHEAD cohort in Wave 2, if the respondent reports receiving help with an ADL, then they are asked how frequently they receive help with that activity. If the respondent reports receiving help most/all of the time, then they are asked who helps them with that activity. They are not asked who helps them if they report receiving help some of the time or occasionally. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help.

In Waves 3 and onward, if the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs, up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money.

The options for type of relationship change slightly between the AHEAD cohort in Wave 2, Waves 3 through 5, and Waves 6 and onward, but these categories have been combined to keep the definitions as similar as possible between waves for RwRFAANY.

**HRS Variables Used:**

## RAND HRS:

R10BATHA	r10batha:w10	r any diff-bathing, shower
R10BEDA	r10beda:w10	r any diff-get in/out bed
R10DRESSA	r10dressa:w10	r any diff-dressing
R10EATA	r10eata:w10	r any diff-eating
R10MEALSA	r10mealsa:w10	r any diff-prepare hot meal
R10MEDSA	r10medsa:w10	r any diff-take medications
R10MONEYA	r10moneya:w10	r any diff-managing money
R10PHONEA	r10phonea:w10	r any diff-use telephone
R10SHOPA	r10shopa:w10	r any diff-shop for grocery
R10TOILTA	r10toilta:w10	r any diff-using the toilet
R10WALKRA	r10walkra:w10	r any diff-walk across room
R11BATHA	r11batha:w11	r any diff-bathing, shower
R11BEDA	r11beda:w11	r any diff-get in/out bed
R11DRESSA	r11dressa:w11	r any diff-dressing
R11EATA	r11eata:w11	r any diff-eating
R11MEALSA	r11mealsa:w11	r any diff-prepare hot meal
R11MEDSA	r11medsa:w11	r any diff-take medications
R11MONEYA	r11moneya:w11	r any diff-managing money
R11PHONEA	r11phonea:w11	r any diff-use telephone
R11SHOPA	r11shopa:w11	r any diff-shop for grocery
R11TOILTA	r11toilta:w11	r any diff-using the toilet
R11WALKRA	r11walkra:w11	r any diff-walk across room
R12BATHA	r12batha:w12	r any diff-bathing, shower
R12BEDA	r12beda:w12	r any diff-get in/out bed
R12DRESSA	r12dressa:w12	r any diff-dressing
R12EATA	r12eata:w12	r any diff-eating
R12MEALSA	r12mealsa:w12	r any diff-prepare hot meal
R12MEDSA	r12medsa:w12	r any diff-take medications
R12MONEYA	r12moneya:w12	r any diff-managing money
R12PHONEA	r12phonea:w12	r any diff-use telephone
R12SHOPA	r12shopa:w12	r any diff-shop for grocery
R12TOILTA	r12toilta:w12	r any diff-using the toilet
R12WALKRA	r12walkra:w12	r any diff-walk across room
R13BATHA	r13batha:w13	r any diff-bathing, shower
R13BEDA	r13beda:w13	r any diff-get in/out bed
R13DRESSA	r13dressa:w13	r any diff-dressing
R13EATA	r13eata:w13	r any diff-eating
R13MEALSA	r13mealsa:w13	r any diff-prepare hot meal
R13MEDSA	r13medsa:w13	r any diff-take medications
R13MONEYA	r13moneya:w13	r any diff-managing money
R13PHONEA	r13phonea:w13	r any diff-use telephone
R13SHOPA	r13shopa:w13	r any diff-shop for grocery
R13TOILTA	r13toilta:w13	r any diff-using the toilet
R13WALKRA	r13walkra:w13	r any diff-walk across room
R14BATHA	r14batha:w14	r any diff-bathing, shower
R14BEDA	r14beda:w14	r any diff-get in/out bed
R14DRESSA	r14dressa:w14	r any diff-dressing
R14EATA	r14eata:w14	r any diff-eating
R14MEALSA	r14mealsa:w14	r any diff-prepare hot meal
R14MEDSA	r14medsa:w14	r any diff-take medications
R14MONEYA	r14moneya:w14	r any diff-managing money
R14PHONEA	r14phonea:w14	r any diff-use telephone
R14SHOPA	r14shopa:w14	r any diff-shop for grocery
R14TOILTA	r14toilta:w14	r any diff-using the toilet
R14WALKRA	r14walkra:w14	r any diff-walk across room
R15BATHA	r15batha:w15	r any diff-bathing, shower
R15BEDA	r15beda:w15	r any diff-get in/out bed
R15DRESSA	r15dressa:w15	r any diff-dressing
R15EATA	r15eata:w15	r any diff-eating
R15MEALSA	r15mealsa:w15	r any diff-prepare hot meal

R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
R5MEDSA r5medsa:w5 r any diff-take medications  
R5MONEYA r5moneya:w5 r any diff-managing money  
R5PHONEA r5phonea:w5 r any diff-use telephone  
R5SHOPA r5shopa:w5 r any diff-shop for grocery  
R5TOILTA r5toilta:w5 r any diff-using the toilet  
R5WALKRA r5walkra:w5 r any diff-walk across room  
R6BATHA r6batha:w6 r any diff-bathing, shower  
R6BEDA r6beda:w6 r any diff-get in/out bed  
R6DRESSA r6dressa:w6 r any diff-dressing  
R6EATA r6eata:w6 r any diff-eating  
R6MEALSA r6mealsa:w6 r any diff-prepare hot meal  
R6MEDSA r6medsa:w6 r any diff-take medications  
R6MONEYA r6moneya:w6 r any diff-managing money  
R6PHONEA r6phonea:w6 r any diff-use telephone  
R6SHOPA r6shopa:w6 r any diff-shop for grocery  
R6TOILTA r6toilta:w6 r any diff-using the toilet  
R6WALKRA r6walkra:w6 r any diff-walk across room  
R7BATHA r7batha:w7 r any diff-bathing, shower  
R7BEDA r7beda:w7 r any diff-get in/out bed  
R7DRESSA r7dressa:w7 r any diff-dressing  
R7EATA r7eata:w7 r any diff-eating  
R7MEALSA r7mealsa:w7 r any diff-prepare hot meal  
R7MEDSA r7medsa:w7 r any diff-take medications  
R7MONEYA r7moneya:w7 r any diff-managing money  
R7PHONEA r7phonea:w7 r any diff-use telephone  
R7SHOPA r7shopa:w7 r any diff-shop for grocery  
R7TOILTA r7toilta:w7 r any diff-using the toilet  
R7WALKRA r7walkra:w7 r any diff-walk across room  
R8BATHA r8batha:w8 r any diff-bathing, shower  
R8BEDA r8beda:w8 r any diff-get in/out bed

R8DRESSA	r8dressa:w8 r any diff-dressing
R8EATA	r8eata:w8 r any diff-eating
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps
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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R

## Wave 2 AHEAD HHLIST:

OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN_INHH	hrs w2: # in hhold (r1/r2 only)
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## Wave 3 AHEAD:

D1870	adlck.ckpt for skipping adl series
D1877	e72f.adl walk help
D1887	e73f.adl dress help
D1897	e74f.adl bathe help



D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7  
 D2024 e95c.iadl meals help  
 D2029 e96c.iadl groc help  
 D2034 e97c.iadl phone help  
 D2039 e98c.iadl med help  
 D2041 e99.iadls-who help,1  
 D2050 e100.iadls-who help,2  
 D2055 e101.iadls-who help,3  
 D2061 e102.iadls-who help,4  
 D2067 e103.iadls-who help,5  
 D2073 e104.iadls-who help,6  
 D2102 e106c.iadl money who help,1  
 D2107 e107. money help-1  
 D2115 e107c.iadl money who help,2  
 D2121 e108. money helper-2

## Wave 3 AHEAD Helper:

D2135A HELPER RELATIONSHIP COMBINED SOURCE  
 OPN OTHER PERSON NUMBER

## Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
 E1901 e72f.adl walk help  
 E1911 e73f.adl dress help  
 E1921 e74f.adl bathe help  
 E1931 e75f.adl eat help  
 E1944 e76f.adl bed help  
 E1954 e77f.adl toilet help  
 E1976 e83.who help-11  
 E1990 e84.who help-2  
 E1999 e85.who help-3  
 E2003 e86.who help-4  
 E2007 e87.who help-5  
 E2011 e88.who help-6  
 E2015 e89.who help-7  
 E2039 e95c.iadl meals help  
 E2044 e96c.iadl groc help  
 E2049 e97c.iadl phone help  
 E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

## Wave 3 HRS Helper:

E2120A HELPER RELATIONSHIP COMBINED SOURCE  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2426 e73f.adl dress help  
 F2431 e72.adl walk help  
 F2447 e74f.adl bathe help

F2457 e75f.adl eat help  
 F2470 e76f.adl bed help  
 F2480 e77f.adl toilet help  
 F2502 e83.who help-11  
 F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help  
 F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help  
 F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4  
 F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6  
 F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

F2639A HELPER RELATIONSHIP COMBINED SOURCE  
 OPN OTHER PERSON NUMBER

## Wave 5:

G2724 e73f.adl dress help  
 G2729 e72y1.adl walk help  
 G2745 e74f.adl bathe help  
 G2755 e75f.adl eat help  
 G2768 e76f.adl bed help  
 G2778 e77f.adl toilet help  
 G2800 e83.who help-11  
 G2814 e84.who help-2  
 G2823 e85.who help-3  
 G2827 e86.who help-4  
 G2831 e87.who help-5  
 G2835 e88.who help-6  
 G2839 e89.who help-7  
 G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help  
 G2873 e97c.iadl phone help  
 G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2

G558 cs11.r in nursing home

Wave 5 Helper:  
G2947A HELPER RELATIONSHIP COMBINED SOURCE  
OPN OTHER PERSON NUMBER

Wave 6:

HA028 r in nursing home  
HG013 chkpnt: count of hg001 through hg012  
HG015 help w/dress  
HG020 adl walk help  
HG022 adl bathe help  
HG024 adl eat help  
HG029 adl bed help  
HG031 adl toilet help  
HG032\_1 who helps most- adl- 1  
HG032\_2 who helps- adl- 2  
HG032\_3 who helps- adl- 3  
HG032\_4 who helps- adl- 4  
HG032\_5 who helps- adl- 5  
HG032\_6 who helps- adl- 6  
HG032\_7 who helps- adl- 7  
HG043 iadl meal preparation help  
HG046 iadl groc shop help  
HG049 iadl making phone calls help  
HG053 iadl taking medications help  
HG054\_1 iadls- who helps most-1  
HG054\_2 iadls- who helps- 2  
HG054\_3 iadls- who helps- 3  
HG054\_4 iadls- who helps- 4  
HG054\_5 iadls- who helps- 5  
HG054\_6 iadls- who helps- 6  
HG061 iadl managing money help  
HG062\_1 who helps manage money-1  
HG062\_2 who helps manage money-2

Wave 6 Helper:  
HADLNDX adl helper index  
HG069 helper relationship  
HIADLNDX iadl helper index  
HMNYNDX money helper index

Wave 7:

JA028 r in nursing home  
JG013 chkpnt: count of jg001 through jg012  
JG015 help w/dress  
JG020 adl walk help  
JG022 adl bathe help  
JG024 adl eat help  
JG029 adl bed help  
JG031 adl toilet help  
JG032\_1 who helps most- adl- 1  
JG032\_2 who helps- adl- 2  
JG032\_3 who helps- adl- 3  
JG032\_4 who helps- adl- 4  
JG032\_5 who helps- adl- 5  
JG032\_6 who helps- adl- 6  
JG032\_7 who helps- adl- 7  
JG043 iadl meal preparation help  
JG046 iadl groc shop help  
JG049 iadl making phone calls help  
JG053 iadl taking medications help  
JG054\_1 iadls- who helps most-1  
JG054\_2 iadls- who helps- 2  
JG054\_3 iadls- who helps- 3  
JG054\_4 iadls- who helps- 4  
JG054\_5 iadls- who helps- 5

JG054\_6 iadls- who helps- 6  
JG061 iadl managing money help  
JG062\_1 who helps manage money-1  
JG062\_2 who helps manage money-2

Wave 7 Helper:  
JADLNDX index connection to the adl table  
JG069 helper relationship  
JIADLNDX index connection to the iadl table  
JMNYNDX index connection to the money table

Wave 8:  
KA028 r in nursing home  
KG013 chkpnt: count of jg001 through jg012  
KG015 help w/dress  
KG020 adl walk help  
KG022 adl bathe help  
KG024 adl eat help  
KG029 adl bed help  
KG031 adl toilet help  
KG032\_1 who helps most- adl- 1  
KG032\_2 who helps- adl- 2  
KG032\_3 who helps- adl- 3  
KG032\_4 who helps- adl- 4  
KG032\_5 who helps- adl- 5  
KG032\_6 who helps- adl- 6  
KG032\_7 who helps- adl- 7  
KG043 iadl meal preparation help  
KG046 iadl groc shop help  
KG049 iadl making phone calls help  
KG053 iadl taking medications help  
KG054\_1 iadls- who helps most-1  
KG054\_2 iadls- who helps- 2  
KG054\_3 iadls- who helps- 3  
KG054\_4 iadls- who helps- 4  
KG054\_5 iadls- who helps- 5  
KG054\_6 iadls- who helps- 6  
KG061 iadl managing money help  
KG062\_1 who helps manage money-1  
KG062\_2 who helps manage money-2

Wave 8 Helper:  
KADLNDX index connection to the adl table  
KG069 helper relationship  
KIADLNDX index connection to the iadl table  
KMNYNDX index connection to the money table

Wave 9:  
LA028 r in nursing home  
LG013 chkpnt: count of lg001 through lg012  
LG015 help w/dress  
LG020 adl walk help  
LG022 adl bathe help  
LG024 adl eat help  
LG029 adl bed help  
LG031 adl toilet help  
LG032\_1 who helps most- adl- 1  
LG032\_2 who helps- adl- 2  
LG032\_3 who helps- adl- 3  
LG032\_4 who helps- adl- 4  
LG032\_5 who helps- adl- 5  
LG032\_6 who helps- adl- 6  
LG032\_7 who helps- adl- 7  
LG043 iadl meal preparation help  
LG046 iadl groc shop help  
LG049 iadl making phone calls help  
LG053 iadl taking medications help

LG054_1	iadls- who helps most-1
LG054_2	iadls- who helps- 2
LG054_3	iadls- who helps- 3
LG054_4	iadls- who helps- 4
LG054_5	iadls- who helps- 5
LG054_6	iadls- who helps- 6
LG061	iadl managing money help
LG062_1	who helps manage money-1
LG062_2	who helps manage money-2
Wave 9 Helper:	
LADLNDX	index connection to the adl table
LG069	helper relationship
LIADLNDX	index connection to the iadl table
LMNYNDX	index connection to the money table
Wave 10:	
MA028	r in nursing home
MG013	chkpnt: count of mg001 through mg012
MG015	help w/dress
MG020	adl walk help
MG022	adl bathe help
MG024	adl eat help
MG029	adl bed help
MG031	adl toilet help
MG032_1	who helps most- adl- 1
MG032_2	who helps- adl- 2
MG032_3	who helps- adl- 3
MG032_4	who helps- adl- 4
MG032_5	who helps- adl- 5
MG032_6	who helps- adl- 6
MG032_7	who helps- adl- 7
MG043	iadl meal preparation help
MG046	iadl groc shop help
MG049	iadl making phone calls help
MG053	iadl taking medications help
MG054_1	iadls- who helps -1
MG054_2	iadls- who helps- 2
MG054_3	iadls- who helps- 3
MG054_4	iadls- who helps- 4
MG054_5	iadls- who helps- 5
MG054_6	iadls- who helps- 6
MG061	iadl managing money help
MG062_1	who helps manage money-1
MG062_2	who helps manage money-2
Wave 10 Helper:	
MADLNDX	index connection to the adl table
MG069	helper relationship -1
MIADLNDX	index connection to the iadl table
MMNYNDX	index connection to the money table
Wave 11:	
NA028	r in nursing home
NG013	chkpnt: count of ng001 through ng012
NG015	help w/dress
NG020	adl walk help
NG022	adl bathe help
NG024	adl eat help
NG029	adl bed help
NG031	adl toilet help
NG032_1	who helps most- adl- 1
NG032_2	who helps- adl- 2
NG032_3	who helps- adl- 3
NG032_4	who helps- adl- 4
NG032_5	who helps- adl- 5
NG032_6	who helps- adl- 6

NG032_7	who helps- adl- 7
NG043	iadl meal preparation help
NG046	iadl groc shop help
NG049	iadl making phone calls help
NG053	iadl taking medications help
NG054_1	iadls- who helps -1
NG054_2	iadls- who helps- 2
NG054_3	iadls- who helps- 3
NG054_4	iadls- who helps- 4
NG054_5	iadls- who helps- 5
NG054_6	iadls- who helps- 6
NG061	iadl managing money help
NG062_1	who helps manage money-1
NG062_2	who helps manage money-2
Wave 11 Helper:	
NADLNDX	index connection to the adl table
NG069	helper relationship
NIADLNDX	index connection to the iadl table
NMNYNDX	index connection to the money table
Wave 12:	
OA028	r in nursing home
OG013	chkpnt: count of g001 through g012
OG015	help w/dress
OG020	adl walk help
OG022	adl bathe help
OG024	adl eat help
OG029	adl bed help
OG031	adl toilet help
OG032_1	who helps most- adl- 1
OG032_2	who helps- adl- 2
OG032_3	who helps- adl- 3
OG032_4	who helps- adl- 4
OG032_5	who helps- adl- 5
OG032_6	who helps- adl- 6
OG032_7	who helps- adl- 7
OG043	iadl meal preparation help
OG046	iadl groc shop help
OG049	iadl making phone calls help
OG053	iadl taking medications help
OG054_1	iadls- who helps -1
OG054_2	iadls- who helps- 2
OG054_3	iadls- who helps- 3
OG054_4	iadls- who helps- 4
OG054_5	iadls- who helps- 5
OG054_6	iadls- who helps- 6
OG061	iadl managing money help
OG062_1	who helps manage money-1
OG062_2	who helps manage money-2
Wave 12 Helper:	
OADLNDX	index connection to the adl table
OG069	helper relationship
OIADLNDX	index connection to the iadl table
OMNYNDX	index connection to the money table
Wave 13:	
PA028	r in nursing home
PG013	chkpnt: count of g001 through g012
PG015	help w/dress
PG020	adl walk help
PG022	adl bathe help
PG024	adl eat help
PG029	adl bed help
PG031	adl toilet help
PG032_1	who helps most- adl- 1

PG032\_2 who helps- adl- 2  
 PG032\_3 who helps- adl- 3  
 PG032\_4 who helps- adl- 4  
 PG032\_5 who helps- adl- 5  
 PG032\_6 who helps- adl- 6  
 PG032\_7 who helps- adl- 7  
 PG043 iadl meal preparation help  
 PG046 iadl groc shop help  
 PG049 iadl making phone calls help  
 PG053 iadl taking medications help  
 PG054\_1 iadls- who helps -1  
 PG054\_2 iadls- who helps- 2  
 PG054\_3 iadls- who helps- 3  
 PG054\_4 iadls- who helps- 4  
 PG054\_5 iadls- who helps- 5  
 PG054\_6 iadls- who helps- 6  
 PG061 iadl managing money help  
 PG062\_1 who helps manage money-1  
 PG062\_2 who helps manage money-2

## Wave 13 Helper:

PADLNDX index connection to the adl table  
 PG069 helper relationship  
 PIADLNDX index connection to the iadl table  
 PMNYNDX index connection to the money table

## Wave 14:

QA028 r in nursing home  
 QG013 chkpnt: count of g001 through g012  
 QG015 help w/dress  
 QG020 adl walk help  
 QG022 adl bathe help  
 QG024 adl eat help  
 QG029 adl bed help  
 QG031 adl toilet help  
 QG032\_1 who helps most- adl- 1  
 QG032\_2 who helps- adl- 2  
 QG032\_3 who helps- adl- 3  
 QG032\_4 who helps- adl- 4  
 QG032\_5 who helps- adl- 5  
 QG032\_6 who helps- adl- 6  
 QG032\_7 who helps- adl- 7  
 QG043 iadl meal preparation help  
 QG046 iadl groc shop help  
 QG049 iadl making phone calls help  
 QG053 iadl taking medications help  
 QG054\_1 iadls- who helps -1  
 QG054\_2 iadls- who helps- 2  
 QG054\_3 iadls- who helps- 3  
 QG054\_4 iadls- who helps- 4  
 QG054\_5 iadls- who helps- 5  
 QG054\_6 iadls- who helps- 6  
 QG061 iadl managing money help  
 QG062\_1 who helps manage money-1  
 QG062\_2 who helps manage money-2

## Wave 14 Helper:

QADLNDX INDEX CONNECTION TO THE ADL TABLE  
 QG069 HELPER RELATIONSHIP  
 QIADLNDX INDEX CONNECTION TO THE IADL TABLE  
 QMNYNDX INDEX CONNECTION TO THE MONEY TABLE

## Wave 15:

RA028 r in nursing home  
 RG013 chkpnt: count of g001 through g012  
 RG015 help w/dress  
 RG020 adl walk help

RG022	adl bathe help
RG024	adl eat help
RG029	adl bed help
RG031	adl toilet help
RG032_1	who helps most- adl- 1
RG032_2	who helps- adl- 2
RG032_3	who helps- adl- 3
RG032_4	who helps- adl- 4
RG032_5	who helps- adl- 5
RG032_6	who helps- adl- 6
RG032_7	who helps- adl- 7
RG043	iadl meal preparation help
RG046	iadl groc shop help
RG049	iadl making phone calls help
RG053	iadl taking medications help
RG054_1	iadls- who helps -1
RG054_2	iadls- who helps- 2
RG054_3	iadls- who helps- 3
RG054_4	iadls- who helps- 4
RG054_5	iadls- who helps- 5
RG054_6	iadls- who helps- 6
RG061	iadl managing money help
RG062_1	who helps manage money-1
RG062_2	who helps manage money-2

## Wave 15 Helper:

RADLNDX	INDEX CONNECTION TO THE ADL TABLE
RG069	HELPER RELATIONSHIP
RIADLNDX	INDEX CONNECTION TO THE IADL TABLE
RMNYNDX	INDEX CONNECTION TO THE MONEY TABLE



### Activities of Daily Living and Instrumental Activities of Daily Living: Receives Formal Care from Paid Professionals

Wave	Variable	Label	Type
02	R2RPFCARE	r2rpfcare:w2 r receives formal care from paid professional f	Categ
03	R3RPFCARE	r3rpfcare:w3 r receives formal care from paid professional f	Categ
04	R4RPFCARE	r4rpfcare:w4 r receives formal care from paid professional f	Categ
05	R5RPFCARE	r5rpfcare:w5 r receives formal care from paid professional f	Categ
06	R6RPFCARE	r6rpfcare:w6 r receives formal care from paid professional f	Categ
07	R7RPFCARE	r7rpfcare:w7 r receives formal care from paid professional f	Categ
08	R8RPFCARE	r8rpfcare:w8 r receives formal care from paid professional f	Categ
09	R9RPFCARE	r9rpfcare:w9 r receives formal care from paid professional f	Categ
10	R10RPFCARE	r10rpfcare:w10 r receives formal care from paid professional	Categ
11	R11RPFCARE	r11rpfcare:w11 r receives formal care from paid professional	Categ
12	R12RPFCARE	r12rpfcare:w12 r receives formal care from paid professional	Categ
13	R13RPFCARE	r13rpfcare:w13 r receives formal care from paid professional	Categ
14	R14RPFCARE	r14rpfcare:w14 r receives formal care from paid professional	Categ
15	R15RPFCARE	r15rpfcare:w15 r receives formal care from paid professional	Categ
02	S2RPFCARE	s2rpfcare:w2 s receives formal care from paid professional f	Categ
03	S3RPFCARE	s3rpfcare:w3 s receives formal care from paid professional f	Categ
04	S4RPFCARE	s4rpfcare:w4 s receives formal care from paid professional f	Categ
05	S5RPFCARE	s5rpfcare:w5 s receives formal care from paid professional f	Categ
06	S6RPFCARE	s6rpfcare:w6 s receives formal care from paid professional f	Categ
07	S7RPFCARE	s7rpfcare:w7 s receives formal care from paid professional f	Categ
08	S8RPFCARE	s8rpfcare:w8 s receives formal care from paid professional f	Categ
09	S9RPFCARE	s9rpfcare:w9 s receives formal care from paid professional f	Categ
10	S10RPFCARE	s10rpfcare:w10 s receives formal care from paid professional	Categ
11	S11RPFCARE	s11rpfcare:w11 s receives formal care from paid professional	Categ
12	S12RPFCARE	s12rpfcare:w12 s receives formal care from paid professional	Categ
13	S13RPFCARE	s13rpfcare:w13 s receives formal care from paid professional	Categ
14	S14RPFCARE	s14rpfcare:w14 s receives formal care from paid professional	Categ
15	S15RPFCARE	s15rpfcare:w15 s receives formal care from paid professional	Categ
02	R2RPFCAREN	r2rpfcare:w2 # paid professionals who help r with adls/iadl	Cont
03	R3RPFCAREN	r3rpfcare:w3 # paid professionals who help r with adls/iadl	Cont
04	R4RPFCAREN	r4rpfcare:w4 # paid professionals who help r with adls/iadl	Cont
05	R5RPFCAREN	r5rpfcare:w5 # paid professionals who help r with adls/iadl	Cont
06	R6RPFCAREN	r6rpfcare:w6 # paid professionals who help r with adls/iadl	Cont
07	R7RPFCAREN	r7rpfcare:w7 # paid professionals who help r with adls/iadl	Cont
08	R8RPFCAREN	r8rpfcare:w8 # paid professionals who help r with adls/iadl	Cont
09	R9RPFCAREN	r9rpfcare:w9 # paid professionals who help r with adls/iadl	Cont
10	R10RPFCAREN	r10rpfcare:w10 # paid professionals who help r with adls/ia	Cont
11	R11RPFCAREN	r11rpfcare:w11 # paid professionals who help r with adls/ia	Cont
12	R12RPFCAREN	r12rpfcare:w12 # paid professionals who help r with adls/ia	Cont
13	R13RPFCAREN	r13rpfcare:w13 # paid professionals who help r with adls/ia	Cont
14	R14RPFCAREN	r14rpfcare:w14 # paid professionals who help r with adls/ia	Cont
15	R15RPFCAREN	r15rpfcare:w15 # paid professionals who help r with adls/ia	Cont
02	S2RPFCAREN	s2rpfcare:w2 # paid professionals who help s with adls/iadl	Cont
03	S3RPFCAREN	s3rpfcare:w3 # paid professionals who help s with adls/iadl	Cont
04	S4RPFCAREN	s4rpfcare:w4 # paid professionals who help s with adls/iadl	Cont
05	S5RPFCAREN	s5rpfcare:w5 # paid professionals who help s with adls/iadl	Cont
06	S6RPFCAREN	s6rpfcare:w6 # paid professionals who help s with adls/iadl	Cont
07	S7RPFCAREN	s7rpfcare:w7 # paid professionals who help s with adls/iadl	Cont
08	S8RPFCAREN	s8rpfcare:w8 # paid professionals who help s with adls/iadl	Cont
09	S9RPFCAREN	s9rpfcare:w9 # paid professionals who help s with adls/iadl	Cont
10	S10RPFCAREN	s10rpfcare:w10 # paid professionals who help s with adls/ia	Cont
11	S11RPFCAREN	s11rpfcare:w11 # paid professionals who help s with adls/ia	Cont
12	S12RPFCAREN	s12rpfcare:w12 # paid professionals who help s with adls/ia	Cont

13	S13RPFACAREN	s13rpfacaren:w13 # paid professionals who help s with adls/ia	Cont
14	S14RPFACAREN	s14rpfacaren:w14 # paid professionals who help s with adls/ia	Cont
15	S15RPFACAREN	s15rpfacaren:w15 # paid professionals who help s with adls/ia	Cont
03	R3RPFACAREDPM	r3rpfacaredpm:w3 days/month paid professionals help r with ad	Cont
04	R4RPFACAREDPM	r4rpfacaredpm:w4 days/month paid professionals help r with ad	Cont
05	R5RPFACAREDPM	r5rpfacaredpm:w5 days/month paid professionals help r with ad	Cont
06	R6RPFACAREDPM	r6rpfacaredpm:w6 days/month paid professionals help r with ad	Cont
07	R7RPFACAREDPM	r7rpfacaredpm:w7 days/month paid professionals help r with ad	Cont
08	R8RPFACAREDPM	r8rpfacaredpm:w8 days/month paid professionals help r with ad	Cont
09	R9RPFACAREDPM	r9rpfacaredpm:w9 days/month paid professionals help r with ad	Cont
10	R10RPFACAREDPM	r10rpfacaredpm:w10 days/month paid professionals help r with	Cont
11	R11RPFACAREDPM	r11rpfacaredpm:w11 days/month paid professionals help r with	Cont
12	R12RPFACAREDPM	r12rpfacaredpm:w12 days/month paid professionals help r with	Cont
13	R13RPFACAREDPM	r13rpfacaredpm:w13 days/month paid professionals help r with	Cont
14	R14RPFACAREDPM	r14rpfacaredpm:w14 days/month paid professionals help r with	Cont
15	R15RPFACAREDPM	r15rpfacaredpm:w15 days/month paid professionals help r with	Cont
03	S3RPFACAREDPM	s3rpfacaredpm:w3 days/month paid professionals help s with ad	Cont
04	S4RPFACAREDPM	s4rpfacaredpm:w4 days/month paid professionals help s with ad	Cont
05	S5RPFACAREDPM	s5rpfacaredpm:w5 days/month paid professionals help s with ad	Cont
06	S6RPFACAREDPM	s6rpfacaredpm:w6 days/month paid professionals help s with ad	Cont
07	S7RPFACAREDPM	s7rpfacaredpm:w7 days/month paid professionals help s with ad	Cont
08	S8RPFACAREDPM	s8rpfacaredpm:w8 days/month paid professionals help s with ad	Cont
09	S9RPFACAREDPM	s9rpfacaredpm:w9 days/month paid professionals help s with ad	Cont
10	S10RPFACAREDPM	s10rpfacaredpm:w10 days/month paid professionals help s with	Cont
11	S11RPFACAREDPM	s11rpfacaredpm:w11 days/month paid professionals help s with	Cont
12	S12RPFACAREDPM	s12rpfacaredpm:w12 days/month paid professionals help s with	Cont
13	S13RPFACAREDPM	s13rpfacaredpm:w13 days/month paid professionals help s with	Cont
14	S14RPFACAREDPM	s14rpfacaredpm:w14 days/month paid professionals help s with	Cont
15	S15RPFACAREDPM	s15rpfacaredpm:w15 days/month paid professionals help s with	Cont
03	R3RPFACAREDPMM	r3rpfacaredpmm:w3 r # paid professionals missing days of help	Cont
04	R4RPFACAREDPMM	r4rpfacaredpmm:w4 r # paid professionals missing days of help	Cont
05	R5RPFACAREDPMM	r5rpfacaredpmm:w5 r # paid professionals missing days of help	Cont
06	R6RPFACAREDPMM	r6rpfacaredpmm:w6 r # paid professionals missing days of help	Cont
07	R7RPFACAREDPMM	r7rpfacaredpmm:w7 r # paid professionals missing days of help	Cont
08	R8RPFACAREDPMM	r8rpfacaredpmm:w8 r # paid professionals missing days of help	Cont
09	R9RPFACAREDPMM	r9rpfacaredpmm:w9 r # paid professionals missing days of help	Cont
10	R10RPFACAREDPMM	r10rpfacaredpmm:w10 r # paid professionals missing days of he	Cont
11	R11RPFACAREDPMM	r11rpfacaredpmm:w11 r # paid professionals missing days of he	Cont
12	R12RPFACAREDPMM	r12rpfacaredpmm:w12 r # paid professionals missing days of he	Cont
13	R13RPFACAREDPMM	r13rpfacaredpmm:w13 r # paid professionals missing days of he	Cont
14	R14RPFACAREDPMM	r14rpfacaredpmm:w14 r # paid professionals missing days of he	Cont
15	R15RPFACAREDPMM	r15rpfacaredpmm:w15 r # paid professionals missing days of he	Cont
03	S3RPFACAREDPMM	s3rpfacaredpmm:w3 s # paid professionals missing days of help	Cont
04	S4RPFACAREDPMM	s4rpfacaredpmm:w4 s # paid professionals missing days of help	Cont
05	S5RPFACAREDPMM	s5rpfacaredpmm:w5 s # paid professionals missing days of help	Cont
06	S6RPFACAREDPMM	s6rpfacaredpmm:w6 s # paid professionals missing days of help	Cont
07	S7RPFACAREDPMM	s7rpfacaredpmm:w7 s # paid professionals missing days of help	Cont
08	S8RPFACAREDPMM	s8rpfacaredpmm:w8 s # paid professionals missing days of help	Cont
09	S9RPFACAREDPMM	s9rpfacaredpmm:w9 s # paid professionals missing days of help	Cont
10	S10RPFACAREDPMM	s10rpfacaredpmm:w10 s # paid professionals missing days of he	Cont
11	S11RPFACAREDPMM	s11rpfacaredpmm:w11 s # paid professionals missing days of he	Cont
12	S12RPFACAREDPMM	s12rpfacaredpmm:w12 s # paid professionals missing days of he	Cont
13	S13RPFACAREDPMM	s13rpfacaredpmm:w13 s # paid professionals missing days of he	Cont
14	S14RPFACAREDPMM	s14rpfacaredpmm:w14 s # paid professionals missing days of he	Cont
15	S15RPFACAREDPMM	s15rpfacaredpmm:w15 s # paid professionals missing days of he	Cont
02	R2RPFACAREHR	r2rpfacarehr:w2 hours/day paid professionals help r with adls	Cont
03	R3RPFACAREHR	r3rpfacarehr:w3 hours/day paid professionals help r with adls	Cont
04	R4RPFACAREHR	r4rpfacarehr:w4 hours/day paid professionals help r with adls	Cont

05	R5RPFPCAREHR	r5rpfpcarehr:w5 hours/day paid professionals help r with adls	Cont
06	R6RPFPCAREHR	r6rpfpcarehr:w6 hours/day paid professionals help r with adls	Cont
07	R7RPFPCAREHR	r7rpfpcarehr:w7 hours/day paid professionals help r with adls	Cont
08	R8RPFPCAREHR	r8rpfpcarehr:w8 hours/day paid professionals help r with adls	Cont
09	R9RPFPCAREHR	r9rpfpcarehr:w9 hours/day paid professionals help r with adls	Cont
10	R10RPFPCAREHR	r10rpfpcarehr:w10 hours/day paid professionals help r with ad	Cont
11	R11RPFPCAREHR	r11rpfpcarehr:w11 hours/day paid professionals help r with ad	Cont
12	R12RPFPCAREHR	r12rpfpcarehr:w12 hours/day paid professionals help r with ad	Cont
13	R13RPFPCAREHR	r13rpfpcarehr:w13 hours/day paid professionals help r with ad	Cont
14	R14RPFPCAREHR	r14rpfpcarehr:w14 hours/day paid professionals help r with ad	Cont
15	R15RPFPCAREHR	r15rpfpcarehr:w15 hours/day paid professionals help r with ad	Cont
02	S2RPFPCAREHR	s2rpfpcarehr:w2 hours/day paid professionals help s with adls	Cont
03	S3RPFPCAREHR	s3rpfpcarehr:w3 hours/day paid professionals help s with adls	Cont
04	S4RPFPCAREHR	s4rpfpcarehr:w4 hours/day paid professionals help s with adls	Cont
05	S5RPFPCAREHR	s5rpfpcarehr:w5 hours/day paid professionals help s with adls	Cont
06	S6RPFPCAREHR	s6rpfpcarehr:w6 hours/day paid professionals help s with adls	Cont
07	S7RPFPCAREHR	s7rpfpcarehr:w7 hours/day paid professionals help s with adls	Cont
08	S8RPFPCAREHR	s8rpfpcarehr:w8 hours/day paid professionals help s with adls	Cont
09	S9RPFPCAREHR	s9rpfpcarehr:w9 hours/day paid professionals help s with adls	Cont
10	S10RPFPCAREHR	s10rpfpcarehr:w10 hours/day paid professionals help s with ad	Cont
11	S11RPFPCAREHR	s11rpfpcarehr:w11 hours/day paid professionals help s with ad	Cont
12	S12RPFPCAREHR	s12rpfpcarehr:w12 hours/day paid professionals help s with ad	Cont
13	S13RPFPCAREHR	s13rpfpcarehr:w13 hours/day paid professionals help s with ad	Cont
14	S14RPFPCAREHR	s14rpfpcarehr:w14 hours/day paid professionals help s with ad	Cont
15	S15RPFPCAREHR	s15rpfpcarehr:w15 hours/day paid professionals help s with ad	Cont
02	R2RPFPCAREHRM	r2rpfpcarehrm:w2 r # paid professionals missing hours of help	Cont
03	R3RPFPCAREHRM	r3rpfpcarehrm:w3 r # paid professionals missing hours of help	Cont
04	R4RPFPCAREHRM	r4rpfpcarehrm:w4 r # paid professionals missing hours of help	Cont
05	R5RPFPCAREHRM	r5rpfpcarehrm:w5 r # paid professionals missing hours of help	Cont
06	R6RPFPCAREHRM	r6rpfpcarehrm:w6 r # paid professionals missing hours of help	Cont
07	R7RPFPCAREHRM	r7rpfpcarehrm:w7 r # paid professionals missing hours of help	Cont
08	R8RPFPCAREHRM	r8rpfpcarehrm:w8 r # paid professionals missing hours of help	Cont
09	R9RPFPCAREHRM	r9rpfpcarehrm:w9 r # paid professionals missing hours of help	Cont
10	R10RPFPCAREHRM	r10rpfpcarehrm:w10 r # paid professionals missing hours of he	Cont
11	R11RPFPCAREHRM	r11rpfpcarehrm:w11 r # paid professionals missing hours of he	Cont
12	R12RPFPCAREHRM	r12rpfpcarehrm:w12 r # paid professionals missing hours of he	Cont
13	R13RPFPCAREHRM	r13rpfpcarehrm:w13 r # paid professionals missing hours of he	Cont
14	R14RPFPCAREHRM	r14rpfpcarehrm:w14 r # paid professionals missing hours of he	Cont
15	R15RPFPCAREHRM	r15rpfpcarehrm:w15 r # paid professionals missing hours of he	Cont
02	S2RPFPCAREHRM	s2rpfpcarehrm:w2 s # paid professionals missing hours of help	Cont
03	S3RPFPCAREHRM	s3rpfpcarehrm:w3 s # paid professionals missing hours of help	Cont
04	S4RPFPCAREHRM	s4rpfpcarehrm:w4 s # paid professionals missing hours of help	Cont
05	S5RPFPCAREHRM	s5rpfpcarehrm:w5 s # paid professionals missing hours of help	Cont
06	S6RPFPCAREHRM	s6rpfpcarehrm:w6 s # paid professionals missing hours of help	Cont
07	S7RPFPCAREHRM	s7rpfpcarehrm:w7 s # paid professionals missing hours of help	Cont
08	S8RPFPCAREHRM	s8rpfpcarehrm:w8 s # paid professionals missing hours of help	Cont
09	S9RPFPCAREHRM	s9rpfpcarehrm:w9 s # paid professionals missing hours of help	Cont
10	S10RPFPCAREHRM	s10rpfpcarehrm:w10 s # paid professionals missing hours of he	Cont
11	S11RPFPCAREHRM	s11rpfpcarehrm:w11 s # paid professionals missing hours of he	Cont
12	S12RPFPCAREHRM	s12rpfpcarehrm:w12 s # paid professionals missing hours of he	Cont
13	S13RPFPCAREHRM	s13rpfpcarehrm:w13 s # paid professionals missing hours of he	Cont
14	S14RPFPCAREHRM	s14rpfpcarehrm:w14 s # paid professionals missing hours of he	Cont
15	S15RPFPCAREHRM	s15rpfpcarehrm:w15 s # paid professionals missing hours of he	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RPFPCARE	2274	0.08	0.27	0.00	1.00
R3RPFPCARE	2656	0.06	0.24	0.00	1.00

R4RPFCARE	3040	0.08	0.27	0.00	1.00
R5RPFCARE	2787	0.07	0.26	0.00	1.00
R6RPFCARE	2775	0.21	0.41	0.00	1.00
R7RPFCARE	2958	0.18	0.39	0.00	1.00
R8RPFCARE	2881	0.19	0.39	0.00	1.00
R9RPFCARE	2703	0.20	0.40	0.00	1.00
R10RPFCARE	3563	0.16	0.37	0.00	1.00
R11RPFCARE	3349	0.23	0.42	0.00	1.00
R12RPFCARE	3238	0.21	0.41	0.00	1.00
R13RPFCARE	3334	0.21	0.41	0.00	1.00
R14RPFCARE	2673	0.19	0.40	0.00	1.00
R15RPFCARE	2280	0.17	0.38	0.00	1.00
S2RPFCARE	1097	0.04	0.19	0.00	1.00
S3RPFCARE	1320	0.04	0.21	0.00	1.00
S4RPFCARE	1501	0.05	0.21	0.00	1.00
S5RPFCARE	1367	0.04	0.19	0.00	1.00
S6RPFCARE	1287	0.09	0.29	0.00	1.00
S7RPFCARE	1424	0.08	0.27	0.00	1.00
S8RPFCARE	1381	0.09	0.28	0.00	1.00
S9RPFCARE	1220	0.08	0.27	0.00	1.00
S10RPFCARE	1743	0.08	0.28	0.00	1.00
S11RPFCARE	1601	0.11	0.32	0.00	1.00
S12RPFCARE	1539	0.09	0.28	0.00	1.00
S13RPFCARE	1514	0.11	0.31	0.00	1.00
S14RPFCARE	1216	0.11	0.31	0.00	1.00
S15RPFCARE	979	0.09	0.29	0.00	1.00
R2RPFCAREN	2274	0.08	0.29	0.00	3.00
R3RPFCAREN	2656	0.07	0.29	0.00	3.00
R4RPFCAREN	3040	0.09	0.31	0.00	4.00
R5RPFCAREN	2787	0.08	0.29	0.00	3.00
R6RPFCAREN	2775	0.22	0.44	0.00	4.00
R7RPFCAREN	2958	0.19	0.40	0.00	2.00
R8RPFCAREN	2881	0.20	0.42	0.00	2.00
R9RPFCAREN	2703	0.21	0.44	0.00	5.00
R10RPFCAREN	3563	0.17	0.39	0.00	3.00
R11RPFCAREN	3349	0.26	0.52	0.00	5.00
R12RPFCAREN	3238	0.25	0.54	0.00	5.00
R13RPFCAREN	3334	0.24	0.53	0.00	5.00
R14RPFCAREN	2673	0.22	0.48	0.00	6.00
R15RPFCAREN	2280	0.19	0.46	0.00	4.00
S2RPFCAREN	1097	0.04	0.19	0.00	1.00
S3RPFCAREN	1320	0.05	0.25	0.00	2.00
S4RPFCAREN	1501	0.05	0.23	0.00	2.00
S5RPFCAREN	1367	0.04	0.20	0.00	2.00
S6RPFCAREN	1287	0.10	0.33	0.00	4.00
S7RPFCAREN	1424	0.08	0.28	0.00	2.00
S8RPFCAREN	1381	0.09	0.30	0.00	2.00
S9RPFCAREN	1220	0.08	0.28	0.00	2.00
S10RPFCAREN	1743	0.09	0.29	0.00	2.00
S11RPFCAREN	1601	0.13	0.37	0.00	3.00
S12RPFCAREN	1539	0.11	0.39	0.00	5.00
S13RPFCAREN	1514	0.13	0.41	0.00	5.00
S14RPFCAREN	1216	0.13	0.41	0.00	6.00
S15RPFCAREN	979	0.10	0.32	0.00	2.00
R3RPFCAREDPM	2656	1.37	6.42	0.00	82.00
R4RPFCAREDPM	3038	1.72	6.81	0.00	102.00
R5RPFCAREDPM	2786	1.62	6.73	0.00	93.00
R6RPFCAREDPM	2392	1.60	6.59	0.00	93.00
R7RPFCAREDPM	2573	1.20	5.50	0.00	62.00

R8RPFCAREDPM	2513	1.52	6.31	0.00	62.00
R9RPFCAREDPM	2347	1.70	7.27	0.00	150.00
R10RPFCAREDPM	3182	1.26	5.67	0.00	62.00
R11RPFCAREDPM	2966	2.73	8.50	0.00	62.00
R12RPFCAREDPM	2906	2.55	8.34	0.00	72.00
R13RPFCAREDPM	3012	2.54	8.58	0.00	113.00
R14RPFCAREDPM	2451	2.27	7.36	0.00	60.00
R15RPFCAREDPM	2119	2.16	7.73	0.00	62.00
S3RPFCAREDPM	1320	1.05	5.63	0.00	62.00
S4RPFCAREDPM	1500	0.94	4.91	0.00	61.00
S5RPFCAREDPM	1367	0.77	4.50	0.00	62.00
S6RPFCAREDPM	1217	0.79	4.83	0.00	93.00
S7RPFCAREDPM	1359	0.74	4.42	0.00	54.00
S8RPFCAREDPM	1304	0.76	4.62	0.00	60.00
S9RPFCAREDPM	1157	0.56	3.73	0.00	35.00
S10RPFCAREDPM	1647	0.49	3.34	0.00	39.00
S11RPFCAREDPM	1526	1.38	6.00	0.00	61.00
S12RPFCAREDPM	1480	1.15	5.90	0.00	62.00
S13RPFCAREDPM	1448	1.43	6.67	0.00	80.00
S14RPFCAREDPM	1173	1.51	6.14	0.00	56.00
S15RPFCAREDPM	949	1.05	5.11	0.00	62.00
R3RPFCAREDPMM	2656	0.00	0.02	0.00	1.00
R4RPFCAREDPMM	3040	0.00	0.03	0.00	1.00
R5RPFCAREDPMM	2787	0.00	0.03	0.00	1.00
R6RPFCAREDPMM	2775	0.14	0.35	0.00	1.00
R7RPFCAREDPMM	2958	0.13	0.34	0.00	1.00
R8RPFCAREDPMM	2881	0.13	0.34	0.00	2.00
R9RPFCAREDPMM	2703	0.14	0.34	0.00	2.00
R10RPFCAREDPMM	3563	0.11	0.31	0.00	2.00
R11RPFCAREDPMM	3349	0.12	0.33	0.00	2.00
R12RPFCAREDPMM	3238	0.11	0.32	0.00	3.00
R13RPFCAREDPMM	3334	0.10	0.31	0.00	2.00
R14RPFCAREDPMM	2673	0.09	0.28	0.00	2.00
R15RPFCAREDPMM	2280	0.08	0.27	0.00	2.00
S3RPFCAREDPMM	1320	0.00	0.03	0.00	1.00
S4RPFCAREDPMM	1501	0.00	0.03	0.00	1.00
S5RPFCAREDPMM	1367	0.00	0.00	0.00	0.00
S6RPFCAREDPMM	1287	0.06	0.23	0.00	1.00
S7RPFCAREDPMM	1424	0.05	0.21	0.00	1.00
S8RPFCAREDPMM	1381	0.06	0.23	0.00	1.00
S9RPFCAREDPMM	1220	0.05	0.23	0.00	2.00
S10RPFCAREDPMM	1743	0.06	0.23	0.00	1.00
S11RPFCAREDPMM	1601	0.05	0.21	0.00	1.00
S12RPFCAREDPMM	1539	0.04	0.21	0.00	3.00
S13RPFCAREDPMM	1514	0.05	0.21	0.00	2.00
S14RPFCAREDPMM	1216	0.04	0.18	0.00	1.00
S15RPFCAREDPMM	979	0.03	0.18	0.00	1.00
R2RPFCAREHR	2269	0.22	1.28	0.00	24.00
R3RPFCAREHR	2653	0.32	2.09	0.00	26.00
R4RPFCAREHR	3033	0.32	1.90	0.00	24.00
R5RPFCAREHR	2780	0.37	2.68	0.00	72.00
R6RPFCAREHR	2390	0.51	3.23	0.00	72.00
R7RPFCAREHR	2561	0.31	1.98	0.00	24.00
R8RPFCAREHR	2509	0.44	2.81	0.00	48.00
R9RPFCAREHR	2342	0.38	2.36	0.00	48.00
R10RPFCAREHR	3171	0.31	1.94	0.00	24.00
R11RPFCAREHR	2957	0.94	4.55	0.00	97.00
R12RPFCAREHR	2902	0.84	3.85	0.00	72.00
R13RPFCAREHR	3008	0.81	4.05	0.00	84.00

R14RPFPCAREHR	2451	0.74	3.38	0.00	72.00
R15RPFPCAREHR	2105	0.56	2.62	0.00	44.00
S2RPFPCAREHR	1096	0.10	0.86	0.00	24.00
S3RPFPCAREHR	1320	0.20	1.47	0.00	24.00
S4RPFPCAREHR	1499	0.14	1.07	0.00	24.00
S5RPFPCAREHR	1366	0.13	1.24	0.00	24.00
S6RPFPCAREHR	1217	0.28	2.72	0.00	72.00
S7RPFPCAREHR	1355	0.19	1.49	0.00	24.00
S8RPFPCAREHR	1304	0.27	2.38	0.00	48.00
S9RPFPCAREHR	1157	0.10	0.89	0.00	24.00
S10RPFPCAREHR	1645	0.14	1.34	0.00	24.00
S11RPFPCAREHR	1524	0.45	2.50	0.00	48.00
S12RPFPCAREHR	1477	0.41	2.87	0.00	56.00
S13RPFPCAREHR	1444	0.43	3.00	0.00	60.00
S14RPFPCAREHR	1174	0.55	3.51	0.00	72.00
S15RPFPCAREHR	943	0.30	1.95	0.00	36.00
R2RPFPCAREHRM	2274	0.00	0.05	0.00	1.00
R3RPFPCAREHRM	2656	0.00	0.02	0.00	1.00
R4RPFPCAREHRM	3040	0.00	0.09	0.00	4.00
R5RPFPCAREHRM	2787	0.00	0.06	0.00	1.00
R6RPFPCAREHRM	2775	0.14	0.35	0.00	2.00
R7RPFPCAREHRM	2958	0.14	0.34	0.00	2.00
R8RPFPCAREHRM	2881	0.13	0.34	0.00	2.00
R9RPFPCAREHRM	2703	0.14	0.35	0.00	2.00
R10RPFPCAREHRM	3563	0.11	0.32	0.00	1.00
R11RPFPCAREHRM	3349	0.12	0.33	0.00	3.00
R12RPFPCAREHRM	3238	0.11	0.31	0.00	2.00
R13RPFPCAREHRM	3334	0.10	0.31	0.00	2.00
R14RPFPCAREHRM	2673	0.08	0.28	0.00	2.00
R15RPFPCAREHRM	2280	0.08	0.27	0.00	2.00
S2RPFPCAREHRM	1097	0.00	0.03	0.00	1.00
S3RPFPCAREHRM	1320	0.00	0.00	0.00	0.00
S4RPFPCAREHRM	1501	0.00	0.04	0.00	1.00
S5RPFPCAREHRM	1367	0.00	0.04	0.00	1.00
S6RPFPCAREHRM	1287	0.06	0.23	0.00	1.00
S7RPFPCAREHRM	1424	0.05	0.22	0.00	1.00
S8RPFPCAREHRM	1381	0.06	0.23	0.00	1.00
S9RPFPCAREHRM	1220	0.05	0.23	0.00	2.00
S10RPFPCAREHRM	1743	0.06	0.23	0.00	1.00
S11RPFPCAREHRM	1601	0.05	0.22	0.00	1.00
S12RPFPCAREHRM	1539	0.04	0.20	0.00	1.00
S13RPFPCAREHRM	1514	0.05	0.22	0.00	2.00
S14RPFPCAREHRM	1216	0.03	0.18	0.00	1.00
S15RPFPCAREHRM	979	0.04	0.19	0.00	1.00

### Categorical Variable Codes

Value-----	R2RPFPCARE	R3RPFPCARE	R4RPFPCARE	R5RPFPCARE
.d:DK	25	4	3	
.f:infrequent care	65			
.h:no help received	495	1580	1804	1754
.m:Missing	2	43	28	
.q:not asked this wave	11595			
.r:Refuse			1	1
.x:no difficulties	5361	13708	16508	15036
0.no	2098	2497	2799	2586
1.yes	176	159	241	201

Value-----	R6RPFPCARE	R7RPFPCARE	R8RPFPCARE	R9RPFPCARE	R10RPFPCARE
.d:DK	2	3		7	13
.h:no help received	1594	1671	1712	1594	1998
.m:Missing	7	10	7	2	2

.r:Refuse		3		1		3
.x:no difficulties		13784	15487	13868	12911	16455
0.no		2200	2413	2335	2163	2978
1.yes		575	545	546	540	585
Value-----		R11RPF CARE	R12RPF CARE	R13RPF CARE	R14RPF CARE	R15RPF CARE
.d:DK		22	21	21	19	28
.h:no help received		1778	1760	1925	1594	1859
.m:Missing			1		1	5
.r:Refuse		3	8	3	7	2
.x:no difficulties		15402	13719	15629	12852	11549
0.no		2568	2544	2639	2155	1888
1.yes		781	694	695	518	392
Value-----			S2RPF CARE	S3RPF CARE	S4RPF CARE	S5RPF CARE
.d:DK			6	2		
.f:infrequent care			29			
.h:no help received			199	838	956	934
.m:Missing			1	15	7	
.q:not asked this wave			8738			
.u:not coupled			5976	5659	6870	6537
.v:SP NR			578	416	536	311
.x:no difficulties			3018	9741	11514	10429
0.no			1055	1261	1432	1318
1.yes			42	59	69	49
Value-----		S6RPF CARE	S7RPF CARE	S8RPF CARE	S9RPF CARE	S10RPF CARE
.d:DK			2		2	5
.h:no help received		797	824	851	767	929
.m:Missing		3	1	1	2	
.r:Refuse		1				1
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.x:no difficulties		9544	10717	9495	8649	10830
0.no		1165	1311	1259	1124	1597
1.yes		122	113	122	96	146
Value-----		S11RPF CARE	S12RPF CARE	S13RPF CARE	S14RPF CARE	S15RPF CARE
.d:DK		8	7	9	2	8
.h:no help received		858	775	798	623	873
.m:Missing					1	2
.r:Refuse				1	2	1
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.x:no difficulties		10009	8691	9456	7514	6603
0.no		1418	1402	1346	1084	889
1.yes		183	137	168	132	90

## How Constructed:

The following variables indicate whether paid formal caregivers help the respondent with any ADL or IADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs, up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL or IADL, and are coded as special missing .h if the respondent reports difficulty with an ADL or IADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special

missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRPF CARE, RwRPF CAREN, RwRPF CAREDPM, RwRPF CAREDPMM, RwRPF CAREHR, and RwRPF CAREHRM include help from an organization/agency if they are reported to be paid for the AHEAD cohort in Wave 2. These variables include help from a professional, employee of institution, and organization if they are reported to be paid in Waves 3 through 5. These variables include help from organizations, paid helpers, professionals, or specified professionals if they are reported to be paid in Wave 6 and onward. These variables also include help from employees of institutions, who are assumed to be paid but are not explicitly asked about in Waves 6 and onward.

RwRPF CARE indicates whether any paid professionals help the respondent with ADL or IADL needs. RwRPF CAREN indicates the number of paid professionals who help the respondent with ADL or IADL needs. RwRPF CARE is coded as 0 if no paid professionals help the respondent with ADLs or IADLs, and is coded as 1 if at least one paid professional helps the respondent with ADLs or IADLs. In Wave 2, RwRPF CARE and RwRPF CAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRPF CARE and RwRPF CAREN are not available in Wave 1.

RwRPF CAREDPM indicates the number of total days per month paid professionals help the respondent with ADL or IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRPF CAREDPM is the sum of days per month for all paid professional helpers, and so values can be over 31 days. RwRPF CAREDPM is calculated as long as there is one non-missing value. If the respondent's only paid professional helper is an employee of an institution, then the respondent is not asked how many days the respondent receives help, and RwRPF CAREDPM is assigned special missing .e starting in Wave 6. RwRPF CAREDPMM indicates the number of paid professionals who helped the respondent for whom no value of days was reported and was not accounted for in RwRPF CAREDPM, including if the respondent is helped by an employee of an institution. RwRPF CAREDPMM is assigned special missing .m if the respondent was not helped by any paid professionals or prior information was missing. RwRPF CAREDPM and RwRPF CAREDPMM are not available in Waves 1 and 2.

RwRPF CAREHR indicates the number of hours per day paid professionals help the respondent with ADL or IADL needs. Respondents are asked, on days paid professionals help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RwRPF CAREHR is the sum of hours per day for all paid professional helpers, and so values can be over 24 hours. RwRPF CAREHR is calculated as long as there is one non-missing value. If the respondent's only paid professional helper is an employee of an institution, then the respondent is not asked how many hours the respondent receives help, and RwRPF CAREHR is assigned special missing .e starting in Wave 6. RwRPF CAREHRM indicates the number of paid professionals who helped the respondent for whom no value of hours was reported and was not accounted for in RwRPF CAREHR, including if the respondent is helped by an employee of an institution. RwRPF CAREHRM is assigned special missing .m if the respondent was not helped by any paid professionals or prior information was missing. In Wave 2, RwRPF CAREHR and RwRPF CAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRPF CAREHR and RwRPF CAREHRM are not available in Wave 1.

SwRPF CARE, SwRPF CAREN, SwRPF CAREDPM, and SwRPF CAREHR indicate whether the respondent's current wave's spouse receives help from paid professionals, the number, and the frequency with which, and their values are taken from RwRPF CARE, RwRPF CAREN, RwRPF CAREDPM, and RwRPF CAREHR. SwRPF CAREDPMM and SwRPF CAREHRM indicate the number of paid professionals who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RwRPF CAREDPMM and RwRPF CAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs or IADLs at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.



In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs, up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Respondents are asked who helps them with ADLS or IADLS, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWRPFCARE and RWRPFCAREN are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RWRPFCARE and RWRPFCAREN are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that a paid professional helps them with ADLs or IADLs, and were asked how frequently and the number of hours that the paid professional provides help. However, the frequency of help is not comparable to other waves and so RWRPFCAREDPM and RWRPFCAREDPMM are not available in this wave. The number of hours that the paid professional helps is comparable, and so RWRPFCAREHR and RWRPFCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RWRPFCAREHR and RWRPFCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with ADLs or IADLs, and are asked about the number of days or number of hours that a paid professional helps the respondent. As such, RWRPFCAREDPM and RWRPFCAREDPMM are available beginning in Wave 3.

Starting in Wave 6, if the respondent's helper is an employee of an institution, then the respondent is not asked for the number of days or hours that the respondent receives help from that helper, and RWRPFCAREDPM and RWRPFCAREHR are assigned special missing .e if this is the only type of paid professional helper the respondent has.

### HRS Variables Used:

#### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10MEALSA	r10mealsa:w10 r any diff-prepare hot meal
R10MEDSA	r10medsa:w10 r any diff-take medications
R10MONEYA	r10moneya:w10 r any diff-managing money
R10PHONEA	r10phonea:w10 r any diff-use telephone
R10SHOPA	r10shopa:w10 r any diff-shop for grocery
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11MEALSA	r11mealsa:w11 r any diff-prepare hot meal
R11MEDSA	r11medsa:w11 r any diff-take medications
R11MONEYA	r11moneya:w11 r any diff-managing money
R11PHONEA	r11phonea:w11 r any diff-use telephone
R11SHOPA	r11shopa:w11 r any diff-shop for grocery
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed
R12DRESSA	r12dressa:w12 r any diff-dressing

R12EATA r12eata:w12 r any diff-eating  
R12MEALSA r12mealsa:w12 r any diff-prepare hot meal  
R12MEDSA r12medsa:w12 r any diff-take medications  
R12MONEYA r12moneya:w12 r any diff-managing money  
R12PHONEA r12phonea:w12 r any diff-use telephone  
R12SHOPA r12shopa:w12 r any diff-shop for grocery  
R12TOILTA r12toilta:w12 r any diff-using the toilet  
R12WALKRA r12walkra:w12 r any diff-walk across room  
R13BATHA r13batha:w13 r any diff-bathing, shower  
R13BEDA r13beda:w13 r any diff-get in/out bed  
R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13MEALSA r13mealsa:w13 r any diff-prepare hot meal  
R13MEDSA r13medsa:w13 r any diff-take medications  
R13MONEYA r13moneya:w13 r any diff-managing money  
R13PHONEA r13phonea:w13 r any diff-use telephone  
R13SHOPA r13shopa:w13 r any diff-shop for grocery  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14MEALSA r14mealsa:w14 r any diff-prepare hot meal  
R14MEDSA r14medsa:w14 r any diff-take medications  
R14MONEYA r14moneya:w14 r any diff-managing money  
R14PHONEA r14phonea:w14 r any diff-use telephone  
R14SHOPA r14shopa:w14 r any diff-shop for grocery  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15MEALSA r15mealsa:w15 r any diff-prepare hot meal  
R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room

R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
R5MEDSA r5medsa:w5 r any diff-take medications  
R5MONEYA r5moneya:w5 r any diff-managing money  
R5PHONEA r5phonea:w5 r any diff-use telephone  
R5SHOPA r5shopa:w5 r any diff-shop for grocery  
R5TOILTA r5toilta:w5 r any diff-using the toilet  
R5WALKRA r5walkra:w5 r any diff-walk across room  
R6BATHA r6batha:w6 r any diff-bathing, shower  
R6BEDA r6beda:w6 r any diff-get in/out bed  
R6DRESSA r6dressa:w6 r any diff-dressing  
R6EATA r6eata:w6 r any diff-eating  
R6MEALSA r6mealsa:w6 r any diff-prepare hot meal  
R6MEDSA r6medsa:w6 r any diff-take medications  
R6MONEYA r6moneya:w6 r any diff-managing money  
R6PHONEA r6phonea:w6 r any diff-use telephone  
R6SHOPA r6shopa:w6 r any diff-shop for grocery  
R6TOILTA r6toilta:w6 r any diff-using the toilet  
R6WALKRA r6walkra:w6 r any diff-walk across room  
R7BATHA r7batha:w7 r any diff-bathing, shower  
R7BEDA r7beda:w7 r any diff-get in/out bed  
R7DRESSA r7dressa:w7 r any diff-dressing  
R7EATA r7eata:w7 r any diff-eating  
R7MEALSA r7mealsa:w7 r any diff-prepare hot meal  
R7MEDSA r7medsa:w7 r any diff-take medications  
R7MONEYA r7moneya:w7 r any diff-managing money  
R7PHONEA r7phonea:w7 r any diff-use telephone  
R7SHOPA r7shopa:w7 r any diff-shop for grocery  
R7TOILTA r7toilta:w7 r any diff-using the toilet  
R7WALKRA r7walkra:w7 r any diff-walk across room  
R8BATHA r8batha:w8 r any diff-bathing, shower  
R8BEDA r8beda:w8 r any diff-get in/out bed  
R8DRESSA r8dressa:w8 r any diff-dressing  
R8EATA r8eata:w8 r any diff-eating  
R8MEALSA r8mealsa:w8 r any diff-prepare hot meal  
R8MEDSA r8medsa:w8 r any diff-take medications  
R8MONEYA r8moneya:w8 r any diff-managing money  
R8PHONEA r8phonea:w8 r any diff-use telephone  
R8SHOPA r8shopa:w8 r any diff-shop for grocery  
R8TOILTA r8toilta:w8 r any diff-using the toilet  
R8WALKRA r8walkra:w8 r any diff-walk across room  
R9BATHA r9batha:w9 r any diff-bathing, shower  
R9BEDA r9beda:w9 r any diff-get in/out bed  
R9DRESSA r9dressa:w9 r any diff-dressing  
R9EATA r9eata:w9 r any diff-eating  
R9MEALSA r9mealsa:w9 r any diff-prepare hot meal  
R9MEDSA r9medsa:w9 r any diff-take medications  
R9MONEYA r9moneya:w9 r any diff-managing money  
R9PHONEA r9phonea:w9 r any diff-use telephone  
R9SHOPA r9shopa:w9 r any diff-shop for grocery  
R9TOILTA r9toilta:w9 r any diff-using the toilet  
R9WALKRA r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768 e33. adl walk help ever  
B773 e33e. walk any difficulty  
B775 e34. walk who helps  
B779 e35. adl dress help ever  
B781 e35b. dress any difficulty  
B783 e36. dress who helps  
B787 e37. adl bathe help ever

B789 e37b. bathe any difficulty  
 B791 e38. bathe who helps  
 B795 e39. adl eat get help ever  
 B797 e39b. eat difficulty  
 B799 e40. eat who helps  
 B803 e41. adl in/out bed help ever  
 B805 e42. in/out bed-who helps  
 B811 e43c. bed any difficulty  
 B814 e44. adl toilet help ever  
 B816 e44b. toilet any difficulty  
 B823 e45. toilet who helps  
 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  
 B913 e54. iadls-who helps most often  
 B924 e55a.iadls who other helper  
 B948 e57. iadl money  
 B950 e58. money who helps

## Wave 2 AHEAD Helper:

BRELATEP HELPER RELATION TO R  
 HN HELPER NUMBER  
 OPN OTHER PERSON NUMBER  
 OTHRHELP OTHER HELPER RELATION TO R  
 V992 E60. HELPER HOW OFTEN  
 V993 E61. HELPER HOURS PER DAY

## Wave 2 AHEAD HHLIST:

OPN OTHER PERSON NUMBER  
 RELATE\_F RELATIONSHIP TO FEMALE R  
 RELATE\_M RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN\_INHH hrs w2: # in hhold (r1/r2 only)

## Wave 3 AHEAD:

D1870 adlck.ckpt for skipping adl series  
 D1877 e72f.adl walk help  
 D1887 e73f.adl dress help  
 D1897 e74f.adl bathe help  
 D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7  
 D2024 e95c.iadl meals help  
 D2029 e96c.iadl groc help  
 D2034 e97c.iadl phone help  
 D2039 e98c.iadl med help  
 D2041 e99.iadls-who help,1  
 D2050 e100.iadls-who help,2  
 D2055 e101.iadls-who help,3  
 D2061 e102.iadls-who help,4  
 D2067 e103.iadls-who help,5  
 D2073 e104.iadls-who help,6  
 D2102 e106c.iadl money who help,1  
 D2107 e107. money help-1  
 D2115 e107c.iadl money who help,2  
 D2121 e108. money helper-2

## Wave 3 AHEAD Helper:

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
OPN	OTHER PERSON NUMBER

## Wave 3 HRS:

E1894	adlck.ckpt for skipping adl series
E1901	e72f.adl walk help
E1911	e73f.adl dress help
E1921	e74f.adl bathe help
E1931	e75f.adl eat help
E1944	e76f.adl bed help
E1954	e77f.adl toilet help
E1976	e83.who help-11
E1990	e84.who help-2
E1999	e85.who help-3
E2003	e86.who help-4
E2007	e87.who help-5
E2011	e88.who help-6
E2015	e89.who help-7
E2039	e95c.iadl meals help
E2044	e96c.iadl groc help
E2049	e97c.iadl phone help
E2054	e98c.iadl med help
E2056	e99.iadls-who help,1
E2065	e100.iadls-who help,2
E2070	e101.iadls-who help,3
E2076	e102.iadls-who help,4
E2082	e103.iadls-who help,5
E2088	e104.iadls-who help,6
E2096	e106c.iadl money who help,1
E2101	e107. money help-1
E2105	e107c.iadl money who help,2
E2109	e108. money helper-2

## Wave 3 HRS Helper:

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
E2142	E158-2. HELPER-SP OFTEN
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
OPN	OTHER PERSON NUMBER

## Wave 4:

F2426	e73f.adl dress help
F2431	e72.adl walk help
F2447	e74f.adl bathe help
F2457	e75f.adl eat help
F2470	e76f.adl bed help
F2480	e77f.adl toilet help
F2502	e83.who help-11
F2502	e83.who help-11
F2516	e84.who help-2
F2516	e84.who help-2
F2525	e85.who help-3
F2525	e85.who help-3
F2529	e86.who help-4
F2529	e86.who help-4

F2533	e87.who help-5
F2533	e87.who help-5
F2537	e88.who help-6
F2537	e88.who help-6
F2541	e89.who help-7
F2541	e89.who help-7
F2565	e95c.iadl meals help
F2570	e96c.iadl groc help
F2575	e97c.iadl phone help
F2580	e98c.iadl med help
F2582	e99.iadls-who help,1
F2591	e100.iadls-who help,2
F2596	e101.iadls-who help,3
F2602	e102.iadls-who help,4
F2608	e103.iadls-who help,5
F2614	e104.iadls-who help,6
F2620	e106c.iadl money who help,1
F2621	e107. money help-1
F2624	e107c.iadl money who help,2
F2625	e108. money helper-2
F517	cs11.r in nursing home

## Wave 4 Helper:

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
F2658	E158-2. HELPER OFTEN
F2659	E158A-2.HELPER PER WEEK
F2660	E158B-2.HELPER EVERY DAY
F2662	E159-2. HELPER HOURS
F2665	E162-2. HELPER PAID
OPN	OTHER PERSON NUMBER

## Wave 5:

G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4
G2831	e87.who help-5
G2835	e88.who help-6
G2839	e89.who help-7
G2863	e95c.iadl meals help
G2868	e96c.iadl groc help
G2873	e97c.iadl phone help
G2878	e98c.iadl med help
G2880	e99.iadls-who help-1
G2889	e100.iadls-who help-2
G2894	e101.iadls-who help-3
G2900	e102.iadls-who help-4
G2906	e103.iadls-who help-5
G2912	e104.iadls-who help-6
G2918	e106c.iadl money who help-1
G2919	e107. money help-1
G2922	e107c.iadl money who help-2
G2923	e108. money helper-2
G558	cs11.r in nursing home

## Wave 5 Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HA028 r in nursing home  
 HG013 chkpnt: count of hg001 through hg012  
 HG015 help w/dress  
 HG020 adl walk help  
 HG022 adl bathe help  
 HG024 adl eat help  
 HG029 adl bed help  
 HG031 adl toilet help  
 HG032\_1 who helps most- adl- 1  
 HG032\_2 who helps- adl- 2  
 HG032\_3 who helps- adl- 3  
 HG032\_4 who helps- adl- 4  
 HG032\_5 who helps- adl- 5  
 HG032\_6 who helps- adl- 6  
 HG032\_7 who helps- adl- 7  
 HG043 iadl meal preparation help  
 HG046 iadl groc shop help  
 HG049 iadl making phone calls help  
 HG053 iadl taking medications help  
 HG054\_1 iadls- who helps most-1  
 HG054\_2 iadls- who helps- 2  
 HG054\_3 iadls- who helps- 3  
 HG054\_4 iadls- who helps- 4  
 HG054\_5 iadls- who helps- 5  
 HG054\_6 iadls- who helps- 6  
 HG061 iadl managing money help  
 HG062\_1 who helps manage money-1  
 HG062\_2 who helps manage money-2

## Wave 6 Helper:

HADLNDX adl helper index  
 HG069 helper relationship  
 HG070 freq of help given- days in last month  
 HG071 freq of help given- days per week  
 HG072 did helper help every dy  
 HG073 #hrs of help  
 HG076 helper paid to help  
 HIADLNDX iadl helper index  
 HMNYNDX money helper index

## Wave 7:

JA028 r in nursing home  
 JG013 chkpnt: count of jg001 through jg012  
 JG015 help w/dress  
 JG020 adl walk help  
 JG022 adl bathe help  
 JG024 adl eat help  
 JG029 adl bed help  
 JG031 adl toilet help  
 JG032\_1 who helps most- adl- 1  
 JG032\_2 who helps- adl- 2

JG032\_3 who helps- adl- 3  
 JG032\_4 who helps- adl- 4  
 JG032\_5 who helps- adl- 5  
 JG032\_6 who helps- adl- 6  
 JG032\_7 who helps- adl- 7  
 JG043 iadl meal preparation help  
 JG046 iadl groc shop help  
 JG049 iadl making phone calls help  
 JG053 iadl taking medications help  
 JG054\_1 iadls- who helps most-1  
 JG054\_2 iadls- who helps- 2  
 JG054\_3 iadls- who helps- 3  
 JG054\_4 iadls- who helps- 4  
 JG054\_5 iadls- who helps- 5  
 JG054\_6 iadls- who helps- 6  
 JG061 iadl managing money help  
 JG062\_1 who helps manage money-1  
 JG062\_2 who helps manage money-2

## Wave 7 Helper:

JADLNDX index connection to the adl table  
 JG069 helper relationship  
 JG070 freq of help given-days last month  
 JG071 # days helper helped  
 JG072 did helper help every dy  
 JG073 #hrs of help  
 JG076 helper given money to help  
 JIADLNDX index connection to the iadl table  
 JMNYNDX index connection to the money table

## Wave 8:

KA028 r in nursing home  
 KG013 chkpnt: count of jg001 through jg012  
 KG015 help w/dress  
 KG020 adl walk help  
 KG022 adl bathe help  
 KG024 adl eat help  
 KG029 adl bed help  
 KG031 adl toilet help  
 KG032\_1 who helps most- adl- 1  
 KG032\_2 who helps- adl- 2  
 KG032\_3 who helps- adl- 3  
 KG032\_4 who helps- adl- 4  
 KG032\_5 who helps- adl- 5  
 KG032\_6 who helps- adl- 6  
 KG032\_7 who helps- adl- 7  
 KG043 iadl meal preparation help  
 KG046 iadl groc shop help  
 KG049 iadl making phone calls help  
 KG053 iadl taking medications help  
 KG054\_1 iadls- who helps most-1  
 KG054\_2 iadls- who helps- 2  
 KG054\_3 iadls- who helps- 3  
 KG054\_4 iadls- who helps- 4  
 KG054\_5 iadls- who helps- 5  
 KG054\_6 iadls- who helps- 6  
 KG061 iadl managing money help  
 KG062\_1 who helps manage money-1  
 KG062\_2 who helps manage money-2

## Wave 8 Helper:

KADLNDX index connection to the adl table  
 KG069 helper relationship  
 KG070 freq of help given-days last month  
 KG071 # days helper helped  
 KG072 did helper help every dy



KG073 #hrs of help  
KG076 helper given money to help  
KIADLNDX index connection to the iadl table  
KMNYNDX index connection to the money table

Wave 9:

LA028 r in nursing home  
LG013 chkpnt: count of lg001 through lg012  
LG015 help w/dress  
LG020 adl walk help  
LG022 adl bathe help  
LG024 adl eat help  
LG029 adl bed help  
LG031 adl toilet help  
LG032\_1 who helps most- adl- 1  
LG032\_2 who helps- adl- 2  
LG032\_3 who helps- adl- 3  
LG032\_4 who helps- adl- 4  
LG032\_5 who helps- adl- 5  
LG032\_6 who helps- adl- 6  
LG032\_7 who helps- adl- 7  
LG043 iadl meal preparation help  
LG046 iadl groc shop help  
LG049 iadl making phone calls help  
LG053 iadl taking medications help  
LG054\_1 iadls- who helps most-1  
LG054\_2 iadls- who helps- 2  
LG054\_3 iadls- who helps- 3  
LG054\_4 iadls- who helps- 4  
LG054\_5 iadls- who helps- 5  
LG054\_6 iadls- who helps- 6  
LG061 iadl managing money help  
LG062\_1 who helps manage money-1  
LG062\_2 who helps manage money-2

Wave 9 Helper:

LADLNDX index connection to the adl table  
LG069 helper relationship  
LG070 freq of help given-days last month  
LG071 # days helper helped  
LG072 did helper help every day  
LG073 #hrs of help  
LG076 helper given money to help  
LIADLNDX index connection to the iadl table  
LMNYNDX index connection to the money table

Wave 10:

MA028 r in nursing home  
MG013 chkpnt: count of mg001 through mg012  
MG015 help w/dress  
MG020 adl walk help  
MG022 adl bathe help  
MG024 adl eat help  
MG029 adl bed help  
MG031 adl toilet help  
MG032\_1 who helps most- adl- 1  
MG032\_2 who helps- adl- 2  
MG032\_3 who helps- adl- 3  
MG032\_4 who helps- adl- 4  
MG032\_5 who helps- adl- 5  
MG032\_6 who helps- adl- 6  
MG032\_7 who helps- adl- 7  
MG043 iadl meal preparation help  
MG046 iadl groc shop help  
MG049 iadl making phone calls help  
MG053 iadl taking medications help

MG054\_1 iadls- who helps -1  
MG054\_2 iadls- who helps- 2  
MG054\_3 iadls- who helps- 3  
MG054\_4 iadls- who helps- 4  
MG054\_5 iadls- who helps- 5  
MG054\_6 iadls- who helps- 6  
MG061 iadl managing money help  
MG062\_1 who helps manage money-1  
MG062\_2 who helps manage money-2

Wave 10 Helper:  
MADLNDX index connection to the adl table  
MG069 helper relationship -1  
MG070 freq of help given -1  
MG071 # days helper helped -1  
MG072 did helper help every dy -1  
MG073 #hrs of help -1  
MG076 helper given money to help -1  
MIADLNDX index connection to the iadl table  
MMNYNDX index connection to the money table

Wave 11:  
NA028 r in nursing home  
NG013 chkpnt: count of ng001 through ng012  
NG015 help w/dress  
NG020 adl walk help  
NG022 adl bathe help  
NG024 adl eat help  
NG029 adl bed help  
NG031 adl toilet help  
NG032\_1 who helps most- adl- 1  
NG032\_2 who helps- adl- 2  
NG032\_3 who helps- adl- 3  
NG032\_4 who helps- adl- 4  
NG032\_5 who helps- adl- 5  
NG032\_6 who helps- adl- 6  
NG032\_7 who helps- adl- 7  
NG043 iadl meal preparation help  
NG046 iadl groc shop help  
NG049 iadl making phone calls help  
NG053 iadl taking medications help  
NG054\_1 iadls- who helps -1  
NG054\_2 iadls- who helps- 2  
NG054\_3 iadls- who helps- 3  
NG054\_4 iadls- who helps- 4  
NG054\_5 iadls- who helps- 5  
NG054\_6 iadls- who helps- 6  
NG061 iadl managing money help  
NG062\_1 who helps manage money-1  
NG062\_2 who helps manage money-2

Wave 11 Helper:  
NADLNDX index connection to the adl table  
NG069 helper relationship  
NG070 freq of help given  
NG071 # days helper helped  
NG072 did helper help every dy  
NG073 #hrs of help  
NG076 helper given money to help  
NIADLNDX index connection to the iadl table  
NMNYNDX index connection to the money table

Wave 12:  
OA028 r in nursing home  
OG013 chkpnt: count of g001 through g012  
OG015 help w/dress  
OG020 adl walk help

OG022 adl bathe help  
 OG024 adl eat help  
 OG029 adl bed help  
 OG031 adl toilet help  
 OG032\_1 who helps most- adl- 1  
 OG032\_2 who helps- adl- 2  
 OG032\_3 who helps- adl- 3  
 OG032\_4 who helps- adl- 4  
 OG032\_5 who helps- adl- 5  
 OG032\_6 who helps- adl- 6  
 OG032\_7 who helps- adl- 7  
 OG043 iadl meal preparation help  
 OG046 iadl groc shop help  
 OG049 iadl making phone calls help  
 OG053 iadl taking medications help  
 OG054\_1 iadls- who helps -1  
 OG054\_2 iadls- who helps- 2  
 OG054\_3 iadls- who helps- 3  
 OG054\_4 iadls- who helps- 4  
 OG054\_5 iadls- who helps- 5  
 OG054\_6 iadls- who helps- 6  
 OG061 iadl managing money help  
 OG062\_1 who helps manage money-1  
 OG062\_2 who helps manage money-2

## Wave 12 Helper:

OADLNDX index connection to the adl table  
 OG069 helper relationship  
 OG070 freq of help given  
 OG071 # days helper helped  
 OG072 did helper help every dy  
 OG073 #hrs of help  
 OG076 helper given money to help  
 OIADLNDX index connection to the iadl table  
 OMNYNDX index connection to the money table

## Wave 13:

PA028 r in nursing home  
 PG013 chkpnt: count of g001 through g012  
 PG015 help w/dress  
 PG020 adl walk help  
 PG022 adl bathe help  
 PG024 adl eat help  
 PG029 adl bed help  
 PG031 adl toilet help  
 PG032\_1 who helps most- adl- 1  
 PG032\_2 who helps- adl- 2  
 PG032\_3 who helps- adl- 3  
 PG032\_4 who helps- adl- 4  
 PG032\_5 who helps- adl- 5  
 PG032\_6 who helps- adl- 6  
 PG032\_7 who helps- adl- 7  
 PG043 iadl meal preparation help  
 PG046 iadl groc shop help  
 PG049 iadl making phone calls help  
 PG053 iadl taking medications help  
 PG054\_1 iadls- who helps -1  
 PG054\_2 iadls- who helps- 2  
 PG054\_3 iadls- who helps- 3  
 PG054\_4 iadls- who helps- 4  
 PG054\_5 iadls- who helps- 5  
 PG054\_6 iadls- who helps- 6  
 PG061 iadl managing money help  
 PG062\_1 who helps manage money-1  
 PG062\_2 who helps manage money-2

## Wave 13 Helper:

PADLNDX index connection to the adl table  
 PG069 helper relationship  
 PG070 freq of help given  
 PG071 # days helper helped  
 PG072 did helper help every dy  
 PG073 #hrs of help  
 PG076 helper given money to help  
 PIADLNDX index connection to the iadl table  
 PMNYNDX index connection to the money table

## Wave 14:

QA028 r in nursing home  
 QG013 chkpnt: count of g001 through g012  
 QG015 help w/dress  
 QG020 adl walk help  
 QG022 adl bathe help  
 QG024 adl eat help  
 QG029 adl bed help  
 QG031 adl toilet help  
 QG032\_1 who helps most- adl- 1  
 QG032\_2 who helps- adl- 2  
 QG032\_3 who helps- adl- 3  
 QG032\_4 who helps- adl- 4  
 QG032\_5 who helps- adl- 5  
 QG032\_6 who helps- adl- 6  
 QG032\_7 who helps- adl- 7  
 QG043 iadl meal preparation help  
 QG046 iadl groc shop help  
 QG049 iadl making phone calls help  
 QG053 iadl taking medications help  
 QG054\_1 iadls- who helps -1  
 QG054\_2 iadls- who helps- 2  
 QG054\_3 iadls- who helps- 3  
 QG054\_4 iadls- who helps- 4  
 QG054\_5 iadls- who helps- 5  
 QG054\_6 iadls- who helps- 6  
 QG061 iadl managing money help  
 QG062\_1 who helps manage money-1  
 QG062\_2 who helps manage money-2

## Wave 14 Helper:

QADLNDX INDEX CONNECTION TO THE ADL TABLE  
 QG069 HELPER RELATIONSHIP  
 QG070 FREQ OF HELP GIVEN  
 QG071 # DAYS HELPER HELPED  
 QG072 DID HELPER HELP EVERY DY  
 QG073 #HRS OF HELP  
 QG076 HELPER GIVEN MONEY TO HELP  
 QIADLNDX INDEX CONNECTION TO THE IADL TABLE  
 QMNYNDX INDEX CONNECTION TO THE MONEY TABLE

## Wave 15:

RA028 r in nursing home  
 RG013 chkpnt: count of g001 through g012  
 RG015 help w/dress  
 RG020 adl walk help  
 RG022 adl bathe help  
 RG024 adl eat help  
 RG029 adl bed help  
 RG031 adl toilet help  
 RG032\_1 who helps most- adl- 1  
 RG032\_2 who helps- adl- 2  
 RG032\_3 who helps- adl- 3  
 RG032\_4 who helps- adl- 4  
 RG032\_5 who helps- adl- 5

RG032\_6 who helps- adl- 6  
RG032\_7 who helps- adl- 7  
RG043 iadl meal preparation help  
RG046 iadl groc shop help  
RG049 iadl making phone calls help  
RG053 iadl taking medications help  
RG054\_1 iadls- who helps -1  
RG054\_2 iadls- who helps- 2  
RG054\_3 iadls- who helps- 3  
RG054\_4 iadls- who helps- 4  
RG054\_5 iadls- who helps- 5  
RG054\_6 iadls- who helps- 6  
RG061 iadl managing money help  
RG062\_1 who helps manage money-1  
RG062\_2 who helps manage money-2

## Wave 15 Helper:

RADLNDX INDEX CONNECTION TO THE ADL TABLE  
RG069 HELPER RELATIONSHIP  
RG070 FREQ OF HELP GIVEN  
RG071 # DAYS HELPER HELPED  
RG072 DID HELPER HELP EVERY DY  
RG073 #HRS OF HELP  
RG076 HELPER GIVEN MONEY TO HELP  
RIADLNDX INDEX CONNECTION TO THE IADL TABLE  
RMNYNDX INDEX CONNECTION TO THE MONEY TABLE

### Activities of Daily Living and Instrumental Activities of Daily Living: Receives Informal Care from Unpaid Professionals

Wave	Variable	Label	Type
02	R2RUF CARE	r2rufcare:w2 r receives formal care from unpaid professional	Categ
03	R3RUF CARE	r3rufcare:w3 r receives formal care from unpaid professional	Categ
04	R4RUF CARE	r4rufcare:w4 r receives formal care from unpaid professional	Categ
05	R5RUF CARE	r5rufcare:w5 r receives formal care from unpaid professional	Categ
06	R6RUF CARE	r6rufcare:w6 r receives formal care from unpaid professional	Categ
07	R7RUF CARE	r7rufcare:w7 r receives formal care from unpaid professional	Categ
08	R8RUF CARE	r8rufcare:w8 r receives formal care from unpaid professional	Categ
09	R9RUF CARE	r9rufcare:w9 r receives formal care from unpaid professional	Categ
10	R10RUF CARE	r10rufcare:w10 r receives formal care from unpaid profession	Categ
11	R11RUF CARE	r11rufcare:w11 r receives formal care from unpaid profession	Categ
12	R12RUF CARE	r12rufcare:w12 r receives formal care from unpaid profession	Categ
13	R13RUF CARE	r13rufcare:w13 r receives formal care from unpaid profession	Categ
14	R14RUF CARE	r14rufcare:w14 r receives formal care from unpaid profession	Categ
15	R15RUF CARE	r15rufcare:w15 r receives formal care from unpaid profession	Categ
02	S2RUF CARE	s2rufcare:w2 s receives formal care from unpaid professional	Categ
03	S3RUF CARE	s3rufcare:w3 s receives formal care from unpaid professional	Categ
04	S4RUF CARE	s4rufcare:w4 s receives formal care from unpaid professional	Categ
05	S5RUF CARE	s5rufcare:w5 s receives formal care from unpaid professional	Categ
06	S6RUF CARE	s6rufcare:w6 s receives formal care from unpaid professional	Categ
07	S7RUF CARE	s7rufcare:w7 s receives formal care from unpaid professional	Categ
08	S8RUF CARE	s8rufcare:w8 s receives formal care from unpaid professional	Categ
09	S9RUF CARE	s9rufcare:w9 s receives formal care from unpaid professional	Categ
10	S10RUF CARE	s10rufcare:w10 s receives formal care from unpaid profession	Categ
11	S11RUF CARE	s11rufcare:w11 s receives formal care from unpaid profession	Categ
12	S12RUF CARE	s12rufcare:w12 s receives formal care from unpaid profession	Categ
13	S13RUF CARE	s13rufcare:w13 s receives formal care from unpaid profession	Categ
14	S14RUF CARE	s14rufcare:w14 s receives formal care from unpaid profession	Categ
15	S15RUF CARE	s15rufcare:w15 s receives formal care from unpaid profession	Categ
02	R2RUF CAREN	r2rufcaren:w2 # unpaid professionals who help r with adls/ia	Cont
03	R3RUF CAREN	r3rufcaren:w3 # unpaid professionals who help r with adls/ia	Cont
04	R4RUF CAREN	r4rufcaren:w4 # unpaid professionals who help r with adls/ia	Cont
05	R5RUF CAREN	r5rufcaren:w5 # unpaid professionals who help r with adls/ia	Cont
06	R6RUF CAREN	r6rufcaren:w6 # unpaid professionals who help r with adls/ia	Cont
07	R7RUF CAREN	r7rufcaren:w7 # unpaid professionals who help r with adls/ia	Cont
08	R8RUF CAREN	r8rufcaren:w8 # unpaid professionals who help r with adls/ia	Cont
09	R9RUF CAREN	r9rufcaren:w9 # unpaid professionals who help r with adls/ia	Cont
10	R10RUF CAREN	r10rufcaren:w10 # unpaid professionals who help r with adls/	Cont
11	R11RUF CAREN	r11rufcaren:w11 # unpaid professionals who help r with adls/	Cont
12	R12RUF CAREN	r12rufcaren:w12 # unpaid professionals who help r with adls/	Cont
13	R13RUF CAREN	r13rufcaren:w13 # unpaid professionals who help r with adls/	Cont
14	R14RUF CAREN	r14rufcaren:w14 # unpaid professionals who help r with adls/	Cont
15	R15RUF CAREN	r15rufcaren:w15 # unpaid professionals who help r with adls/	Cont
02	S2RUF CAREN	s2rufcaren:w2 # unpaid professionals who help s with adls/ia	Cont
03	S3RUF CAREN	s3rufcaren:w3 # unpaid professionals who help s with adls/ia	Cont
04	S4RUF CAREN	s4rufcaren:w4 # unpaid professionals who help s with adls/ia	Cont
05	S5RUF CAREN	s5rufcaren:w5 # unpaid professionals who help s with adls/ia	Cont
06	S6RUF CAREN	s6rufcaren:w6 # unpaid professionals who help s with adls/ia	Cont
07	S7RUF CAREN	s7rufcaren:w7 # unpaid professionals who help s with adls/ia	Cont
08	S8RUF CAREN	s8rufcaren:w8 # unpaid professionals who help s with adls/ia	Cont
09	S9RUF CAREN	s9rufcaren:w9 # unpaid professionals who help s with adls/ia	Cont
10	S10RUF CAREN	s10rufcaren:w10 # unpaid professionals who help s with adls/	Cont
11	S11RUF CAREN	s11rufcaren:w11 # unpaid professionals who help s with adls/	Cont
12	S12RUF CAREN	s12rufcaren:w12 # unpaid professionals who help s with adls/	Cont

13	S13RUFCAREN	s13rufcareen:w13 # unpaid professionals who help s with adls/	Cont
14	S14RUFCAREN	s14rufcareen:w14 # unpaid professionals who help s with adls/	Cont
15	S15RUFCAREN	s15rufcareen:w15 # unpaid professionals who help s with adls/	Cont
03	R3RUFCAREDPM	r3rufcaredpm:w3 days/month unpaid professionals help r with	Cont
04	R4RUFCAREDPM	r4rufcaredpm:w4 days/month unpaid professionals help r with	Cont
05	R5RUFCAREDPM	r5rufcaredpm:w5 days/month unpaid professionals help r with	Cont
06	R6RUFCAREDPM	r6rufcaredpm:w6 days/month unpaid professionals help r with	Cont
07	R7RUFCAREDPM	r7rufcaredpm:w7 days/month unpaid professionals help r with	Cont
08	R8RUFCAREDPM	r8rufcaredpm:w8 days/month unpaid professionals help r with	Cont
09	R9RUFCAREDPM	r9rufcaredpm:w9 days/month unpaid professionals help r with	Cont
10	R10RUFCAREDPM	r10rufcaredpm:w10 days/month unpaid professionals help r wit	Cont
11	R11RUFCAREDPM	r11rufcaredpm:w11 days/month unpaid professionals help r wit	Cont
12	R12RUFCAREDPM	r12rufcaredpm:w12 days/month unpaid professionals help r wit	Cont
13	R13RUFCAREDPM	r13rufcaredpm:w13 days/month unpaid professionals help r wit	Cont
14	R14RUFCAREDPM	r14rufcaredpm:w14 days/month unpaid professionals help r wit	Cont
15	R15RUFCAREDPM	r15rufcaredpm:w15 days/month unpaid professionals help r wit	Cont
03	S3RUFCAREDPM	s3rufcaredpm:w3 days/month unpaid professionals help s with	Cont
04	S4RUFCAREDPM	s4rufcaredpm:w4 days/month unpaid professionals help s with	Cont
05	S5RUFCAREDPM	s5rufcaredpm:w5 days/month unpaid professionals help s with	Cont
06	S6RUFCAREDPM	s6rufcaredpm:w6 days/month unpaid professionals help s with	Cont
07	S7RUFCAREDPM	s7rufcaredpm:w7 days/month unpaid professionals help s with	Cont
08	S8RUFCAREDPM	s8rufcaredpm:w8 days/month unpaid professionals help s with	Cont
09	S9RUFCAREDPM	s9rufcaredpm:w9 days/month unpaid professionals help s with	Cont
10	S10RUFCAREDPM	s10rufcaredpm:w10 days/month unpaid professionals help s wit	Cont
11	S11RUFCAREDPM	s11rufcaredpm:w11 days/month unpaid professionals help s wit	Cont
12	S12RUFCAREDPM	s12rufcaredpm:w12 days/month unpaid professionals help s wit	Cont
13	S13RUFCAREDPM	s13rufcaredpm:w13 days/month unpaid professionals help s wit	Cont
14	S14RUFCAREDPM	s14rufcaredpm:w14 days/month unpaid professionals help s wit	Cont
15	S15RUFCAREDPM	s15rufcaredpm:w15 days/month unpaid professionals help s wit	Cont
03	R3RUFCAREDPMM	r3rufcaredpmm:w3 r # unpaid professionals missing days of he	Cont
04	R4RUFCAREDPMM	r4rufcaredpmm:w4 r # unpaid professionals missing days of he	Cont
05	R5RUFCAREDPMM	r5rufcaredpmm:w5 r # unpaid professionals missing days of he	Cont
06	R6RUFCAREDPMM	r6rufcaredpmm:w6 r # unpaid professionals missing days of he	Cont
07	R7RUFCAREDPMM	r7rufcaredpmm:w7 r # unpaid professionals missing days of he	Cont
08	R8RUFCAREDPMM	r8rufcaredpmm:w8 r # unpaid professionals missing days of he	Cont
09	R9RUFCAREDPMM	r9rufcaredpmm:w9 r # unpaid professionals missing days of he	Cont
10	R10RUFCAREDPMM	r10rufcaredpmm:w10 r # unpaid professionals missing days of	Cont
11	R11RUFCAREDPMM	r11rufcaredpmm:w11 r # unpaid professionals missing days of	Cont
12	R12RUFCAREDPMM	r12rufcaredpmm:w12 r # unpaid professionals missing days of	Cont
13	R13RUFCAREDPMM	r13rufcaredpmm:w13 r # unpaid professionals missing days of	Cont
14	R14RUFCAREDPMM	r14rufcaredpmm:w14 r # unpaid professionals missing days of	Cont
15	R15RUFCAREDPMM	r15rufcaredpmm:w15 r # unpaid professionals missing days of	Cont
03	S3RUFCAREDPMM	s3rufcaredpmm:w3 s # unpaid professionals missing days of he	Cont
04	S4RUFCAREDPMM	s4rufcaredpmm:w4 s # unpaid professionals missing days of he	Cont
05	S5RUFCAREDPMM	s5rufcaredpmm:w5 s # unpaid professionals missing days of he	Cont
06	S6RUFCAREDPMM	s6rufcaredpmm:w6 s # unpaid professionals missing days of he	Cont
07	S7RUFCAREDPMM	s7rufcaredpmm:w7 s # unpaid professionals missing days of he	Cont
08	S8RUFCAREDPMM	s8rufcaredpmm:w8 s # unpaid professionals missing days of he	Cont
09	S9RUFCAREDPMM	s9rufcaredpmm:w9 s # unpaid professionals missing days of he	Cont
10	S10RUFCAREDPMM	s10rufcaredpmm:w10 s # unpaid professionals missing days of	Cont
11	S11RUFCAREDPMM	s11rufcaredpmm:w11 s # unpaid professionals missing days of	Cont
12	S12RUFCAREDPMM	s12rufcaredpmm:w12 s # unpaid professionals missing days of	Cont
13	S13RUFCAREDPMM	s13rufcaredpmm:w13 s # unpaid professionals missing days of	Cont
14	S14RUFCAREDPMM	s14rufcaredpmm:w14 s # unpaid professionals missing days of	Cont
15	S15RUFCAREDPMM	s15rufcaredpmm:w15 s # unpaid professionals missing days of	Cont
02	R2RUFCAREHR	r2rufcarehr:w2 hours/day unpaid professionals help r with ad	Cont
03	R3RUFCAREHR	r3rufcarehr:w3 hours/day unpaid professionals help r with ad	Cont
04	R4RUFCAREHR	r4rufcarehr:w4 hours/day unpaid professionals help r with ad	Cont

05	R5RUF CAREHR	r5rufcarehr:w5 hours/day unpaid professionals help r with ad	Cont
06	R6RUF CAREHR	r6rufcarehr:w6 hours/day unpaid professionals help r with ad	Cont
07	R7RUF CAREHR	r7rufcarehr:w7 hours/day unpaid professionals help r with ad	Cont
08	R8RUF CAREHR	r8rufcarehr:w8 hours/day unpaid professionals help r with ad	Cont
09	R9RUF CAREHR	r9rufcarehr:w9 hours/day unpaid professionals help r with ad	Cont
10	R10RUF CAREHR	r10rufcarehr:w10 hours/day unpaid professionals help r with	Cont
11	R11RUF CAREHR	r11rufcarehr:w11 hours/day unpaid professionals help r with	Cont
12	R12RUF CAREHR	r12rufcarehr:w12 hours/day unpaid professionals help r with	Cont
13	R13RUF CAREHR	r13rufcarehr:w13 hours/day unpaid professionals help r with	Cont
14	R14RUF CAREHR	r14rufcarehr:w14 hours/day unpaid professionals help r with	Cont
15	R15RUF CAREHR	r15rufcarehr:w15 hours/day unpaid professionals help r with	Cont
02	S2RUF CAREHR	s2rufcarehr:w2 hours/day unpaid professionals help s with ad	Cont
03	S3RUF CAREHR	s3rufcarehr:w3 hours/day unpaid professionals help s with ad	Cont
04	S4RUF CAREHR	s4rufcarehr:w4 hours/day unpaid professionals help s with ad	Cont
05	S5RUF CAREHR	s5rufcarehr:w5 hours/day unpaid professionals help s with ad	Cont
06	S6RUF CAREHR	s6rufcarehr:w6 hours/day unpaid professionals help s with ad	Cont
07	S7RUF CAREHR	s7rufcarehr:w7 hours/day unpaid professionals help s with ad	Cont
08	S8RUF CAREHR	s8rufcarehr:w8 hours/day unpaid professionals help s with ad	Cont
09	S9RUF CAREHR	s9rufcarehr:w9 hours/day unpaid professionals help s with ad	Cont
10	S10RUF CAREHR	s10rufcarehr:w10 hours/day unpaid professionals help s with	Cont
11	S11RUF CAREHR	s11rufcarehr:w11 hours/day unpaid professionals help s with	Cont
12	S12RUF CAREHR	s12rufcarehr:w12 hours/day unpaid professionals help s with	Cont
13	S13RUF CAREHR	s13rufcarehr:w13 hours/day unpaid professionals help s with	Cont
14	S14RUF CAREHR	s14rufcarehr:w14 hours/day unpaid professionals help s with	Cont
15	S15RUF CAREHR	s15rufcarehr:w15 hours/day unpaid professionals help s with	Cont
02	R2RUF CAREHRM	r2rufcarehrm:w2 r # unpaid professionals missing hours of he	Cont
03	R3RUF CAREHRM	r3rufcarehrm:w3 r # unpaid professionals missing hours of he	Cont
04	R4RUF CAREHRM	r4rufcarehrm:w4 r # unpaid professionals missing hours of he	Cont
05	R5RUF CAREHRM	r5rufcarehrm:w5 r # unpaid professionals missing hours of he	Cont
06	R6RUF CAREHRM	r6rufcarehrm:w6 r # unpaid professionals missing hours of he	Cont
07	R7RUF CAREHRM	r7rufcarehrm:w7 r # unpaid professionals missing hours of he	Cont
08	R8RUF CAREHRM	r8rufcarehrm:w8 r # unpaid professionals missing hours of he	Cont
09	R9RUF CAREHRM	r9rufcarehrm:w9 r # unpaid professionals missing hours of he	Cont
10	R10RUF CAREHRM	r10rufcarehrm:w10 r # unpaid professionals missing hours of	Cont
11	R11RUF CAREHRM	r11rufcarehrm:w11 r # unpaid professionals missing hours of	Cont
12	R12RUF CAREHRM	r12rufcarehrm:w12 r # unpaid professionals missing hours of	Cont
13	R13RUF CAREHRM	r13rufcarehrm:w13 r # unpaid professionals missing hours of	Cont
14	R14RUF CAREHRM	r14rufcarehrm:w14 r # unpaid professionals missing hours of	Cont
15	R15RUF CAREHRM	r15rufcarehrm:w15 r # unpaid professionals missing hours of	Cont
02	S2RUF CAREHRM	s2rufcarehrm:w2 s # unpaid professionals missing hours of he	Cont
03	S3RUF CAREHRM	s3rufcarehrm:w3 s # unpaid professionals missing hours of he	Cont
04	S4RUF CAREHRM	s4rufcarehrm:w4 s # unpaid professionals missing hours of he	Cont
05	S5RUF CAREHRM	s5rufcarehrm:w5 s # unpaid professionals missing hours of he	Cont
06	S6RUF CAREHRM	s6rufcarehrm:w6 s # unpaid professionals missing hours of he	Cont
07	S7RUF CAREHRM	s7rufcarehrm:w7 s # unpaid professionals missing hours of he	Cont
08	S8RUF CAREHRM	s8rufcarehrm:w8 s # unpaid professionals missing hours of he	Cont
09	S9RUF CAREHRM	s9rufcarehrm:w9 s # unpaid professionals missing hours of he	Cont
10	S10RUF CAREHRM	s10rufcarehrm:w10 s # unpaid professionals missing hours of	Cont
11	S11RUF CAREHRM	s11rufcarehrm:w11 s # unpaid professionals missing hours of	Cont
12	S12RUF CAREHRM	s12rufcarehrm:w12 s # unpaid professionals missing hours of	Cont
13	S13RUF CAREHRM	s13rufcarehrm:w13 s # unpaid professionals missing hours of	Cont
14	S14RUF CAREHRM	s14rufcarehrm:w14 s # unpaid professionals missing hours of	Cont
15	S15RUF CAREHRM	s15rufcarehrm:w15 s # unpaid professionals missing hours of	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2RUF CARE	2274	0.02	0.15	0.00	1.00
R3RUF CARE	2656	0.02	0.12	0.00	1.00



R4RUF CARE	3040	0.02	0.12	0.00	1.00
R5RUF CARE	2787	0.02	0.12	0.00	1.00
R6RUF CARE	2775	0.02	0.12	0.00	1.00
R7RUF CARE	2958	0.01	0.10	0.00	1.00
R8RUF CARE	2881	0.01	0.12	0.00	1.00
R9RUF CARE	2703	0.02	0.12	0.00	1.00
R10RUF CARE	3563	0.01	0.10	0.00	1.00
R11RUF CARE	3349	0.01	0.11	0.00	1.00
R12RUF CARE	3238	0.01	0.11	0.00	1.00
R13RUF CARE	3334	0.01	0.10	0.00	1.00
R14RUF CARE	2673	0.01	0.10	0.00	1.00
R15RUF CARE	2280	0.01	0.09	0.00	1.00
S2RUF CARE	1097	0.01	0.11	0.00	1.00
S3RUF CARE	1320	0.01	0.09	0.00	1.00
S4RUF CARE	1501	0.01	0.11	0.00	1.00
S5RUF CARE	1367	0.01	0.10	0.00	1.00
S6RUF CARE	1287	0.01	0.09	0.00	1.00
S7RUF CARE	1424	0.01	0.07	0.00	1.00
S8RUF CARE	1381	0.01	0.09	0.00	1.00
S9RUF CARE	1220	0.01	0.08	0.00	1.00
S10RUF CARE	1743	0.01	0.08	0.00	1.00
S11RUF CARE	1601	0.01	0.11	0.00	1.00
S12RUF CARE	1539	0.01	0.09	0.00	1.00
S13RUF CARE	1514	0.01	0.08	0.00	1.00
S14RUF CARE	1216	0.01	0.09	0.00	1.00
S15RUF CARE	979	0.00	0.05	0.00	1.00
R2RUF CAREN	2274	0.02	0.16	0.00	2.00
R3RUF CAREN	2656	0.02	0.14	0.00	2.00
R4RUF CAREN	3040	0.02	0.14	0.00	2.00
R5RUF CAREN	2787	0.02	0.13	0.00	2.00
R6RUF CAREN	2775	0.02	0.14	0.00	3.00
R7RUF CAREN	2958	0.01	0.10	0.00	1.00
R8RUF CAREN	2881	0.02	0.13	0.00	2.00
R9RUF CAREN	2703	0.02	0.14	0.00	2.00
R10RUF CAREN	3563	0.01	0.11	0.00	3.00
R11RUF CAREN	3349	0.02	0.15	0.00	4.00
R12RUF CAREN	3238	0.01	0.11	0.00	2.00
R13RUF CAREN	3334	0.01	0.13	0.00	3.00
R14RUF CAREN	2673	0.01	0.10	0.00	2.00
R15RUF CAREN	2280	0.01	0.09	0.00	1.00
S2RUF CAREN	1097	0.01	0.12	0.00	2.00
S3RUF CAREN	1320	0.01	0.11	0.00	2.00
S4RUF CAREN	1501	0.01	0.12	0.00	2.00
S5RUF CAREN	1367	0.01	0.11	0.00	2.00
S6RUF CAREN	1287	0.01	0.13	0.00	3.00
S7RUF CAREN	1424	0.01	0.07	0.00	1.00
S8RUF CAREN	1381	0.01	0.09	0.00	1.00
S9RUF CAREN	1220	0.01	0.09	0.00	2.00
S10RUF CAREN	1743	0.01	0.09	0.00	2.00
S11RUF CAREN	1601	0.01	0.17	0.00	4.00
S12RUF CAREN	1539	0.01	0.09	0.00	1.00
S13RUF CAREN	1514	0.01	0.08	0.00	1.00
S14RUF CAREN	1216	0.01	0.09	0.00	1.00
S15RUF CAREN	979	0.00	0.05	0.00	1.00
R3RUF CARE DPM	2656	0.37	3.61	0.00	62.00
R4RUF CARE DPM	3039	0.29	2.91	0.00	62.00
R5RUF CARE DPM	2786	0.18	2.04	0.00	44.00
R6RUF CARE DPM	2773	0.27	3.10	0.00	93.00
R7RUF CARE DPM	2956	0.17	2.00	0.00	31.00

R8RUFCAREDPM	2881	0.23	2.35	0.00	31.00
R9RUFCAREDPM	2703	0.24	2.54	0.00	62.00
R10RUFCAREDPM	3562	0.11	1.61	0.00	43.00
R11RUFCAREDPM	3348	0.19	2.37	0.00	74.00
R12RUFCAREDPM	3237	0.15	1.83	0.00	31.00
R13RUFCAREDPM	3332	0.12	1.64	0.00	31.00
R14RUFCAREDPM	2672	0.11	1.70	0.00	60.00
R15RUFCAREDPM	2279	0.10	1.49	0.00	31.00
S3RUFCAREDPM	1320	0.22	2.85	0.00	62.00
S4RUFCAREDPM	1501	0.18	2.11	0.00	35.00
S5RUFCAREDPM	1367	0.17	2.15	0.00	44.00
S6RUFCAREDPM	1286	0.18	3.25	0.00	93.00
S7RUFCAREDPM	1423	0.13	1.88	0.00	31.00
S8RUFCAREDPM	1381	0.10	1.43	0.00	31.00
S9RUFCAREDPM	1220	0.14	1.95	0.00	43.00
S10RUFCAREDPM	1743	0.09	1.44	0.00	31.00
S11RUFCAREDPM	1601	0.14	2.32	0.00	74.00
S12RUFCAREDPM	1539	0.08	1.22	0.00	31.00
S13RUFCAREDPM	1513	0.10	1.63	0.00	31.00
S14RUFCAREDPM	1216	0.09	1.31	0.00	30.00
S15RUFCAREDPM	979	0.01	0.27	0.00	6.00
R3RUFCAREDPMM	2656	0.00	0.00	0.00	0.00
R4RUFCAREDPMM	3040	0.00	0.00	0.00	0.00
R5RUFCAREDPMM	2787	0.00	0.02	0.00	1.00
R6RUFCAREDPMM	2775	0.00	0.03	0.00	1.00
R7RUFCAREDPMM	2958	0.00	0.03	0.00	1.00
R8RUFCAREDPMM	2881	0.00	0.00	0.00	0.00
R9RUFCAREDPMM	2703	0.00	0.00	0.00	0.00
R10RUFCAREDPMM	3563	0.00	0.02	0.00	1.00
R11RUFCAREDPMM	3349	0.00	0.02	0.00	1.00
R12RUFCAREDPMM	3238	0.00	0.04	0.00	2.00
R13RUFCAREDPMM	3334	0.00	0.06	0.00	3.00
R14RUFCAREDPMM	2673	0.00	0.02	0.00	1.00
R15RUFCAREDPMM	2280	0.00	0.02	0.00	1.00
S3RUFCAREDPMM	1320	0.00	0.00	0.00	0.00
S4RUFCAREDPMM	1501	0.00	0.00	0.00	0.00
S5RUFCAREDPMM	1367	0.00	0.00	0.00	0.00
S6RUFCAREDPMM	1287	0.00	0.03	0.00	1.00
S7RUFCAREDPMM	1424	0.00	0.03	0.00	1.00
S8RUFCAREDPMM	1381	0.00	0.00	0.00	0.00
S9RUFCAREDPMM	1220	0.00	0.00	0.00	0.00
S10RUFCAREDPMM	1743	0.00	0.00	0.00	0.00
S11RUFCAREDPMM	1601	0.00	0.00	0.00	0.00
S12RUFCAREDPMM	1539	0.00	0.00	0.00	0.00
S13RUFCAREDPMM	1514	0.00	0.03	0.00	1.00
S14RUFCAREDPMM	1216	0.00	0.00	0.00	0.00
S15RUFCAREDPMM	979	0.00	0.00	0.00	0.00
R2RUFCAREHR	2270	0.04	0.35	0.00	8.00
R3RUFCAREHR	2654	0.06	0.82	0.00	26.00
R4RUFCAREHR	3038	0.06	1.08	0.00	48.00
R5RUFCAREHR	2785	0.04	0.59	0.00	24.00
R6RUFCAREHR	2770	0.07	1.26	0.00	48.00
R7RUFCAREHR	2955	0.02	0.31	0.00	8.00
R8RUFCAREHR	2880	0.04	0.47	0.00	10.00
R9RUFCAREHR	2701	0.05	1.03	0.00	48.00
R10RUFCAREHR	3560	0.02	0.28	0.00	8.00
R11RUFCAREHR	3346	0.03	0.46	0.00	16.00
R12RUFCAREHR	3234	0.04	0.71	0.00	24.00
R13RUFCAREHR	3330	0.04	0.62	0.00	20.00

R14RUF CAREHR	2669	0.02	0.36	0.00	12.00
R15RUF CAREHR	2279	0.02	0.33	0.00	12.00
S2RUF CAREHR	1096	0.02	0.26	0.00	4.00
S3RUF CAREHR	1319	0.02	0.26	0.00	7.00
S4RUF CAREHR	1500	0.02	0.28	0.00	6.00
S5RUF CAREHR	1367	0.04	0.78	0.00	24.00
S6RUF CAREHR	1286	0.07	1.51	0.00	48.00
S7RUF CAREHR	1423	0.02	0.31	0.00	8.00
S8RUF CAREHR	1381	0.02	0.30	0.00	7.00
S9RUF CAREHR	1219	0.01	0.15	0.00	4.00
S10RUF CAREHR	1742	0.02	0.33	0.00	8.00
S11RUF CAREHR	1600	0.04	0.59	0.00	16.00
S12RUF CAREHR	1538	0.03	0.63	0.00	24.00
S13RUF CAREHR	1511	0.01	0.23	0.00	7.00
S14RUF CAREHR	1215	0.01	0.19	0.00	5.00
S15RUF CAREHR	979	0.00	0.10	0.00	3.00
R2RUF CAREHRM	2274	0.00	0.04	0.00	1.00
R3RUF CAREHRM	2656	0.00	0.05	0.00	2.00
R4RUF CAREHRM	3040	0.00	0.03	0.00	1.00
R5RUF CAREHRM	2787	0.00	0.03	0.00	1.00
R6RUF CAREHRM	2775	0.00	0.04	0.00	1.00
R7RUF CAREHRM	2958	0.00	0.03	0.00	1.00
R8RUF CAREHRM	2881	0.00	0.02	0.00	1.00
R9RUF CAREHRM	2703	0.00	0.03	0.00	1.00
R10RUF CAREHRM	3563	0.00	0.03	0.00	1.00
R11RUF CAREHRM	3349	0.00	0.04	0.00	2.00
R12RUF CAREHRM	3238	0.00	0.05	0.00	2.00
R13RUF CAREHRM	3334	0.00	0.04	0.00	1.00
R14RUF CAREHRM	2673	0.00	0.04	0.00	1.00
R15RUF CAREHRM	2280	0.00	0.02	0.00	1.00
S2RUF CAREHRM	1097	0.00	0.03	0.00	1.00
S3RUF CAREHRM	1320	0.00	0.06	0.00	2.00
S4RUF CAREHRM	1501	0.00	0.03	0.00	1.00
S5RUF CAREHRM	1367	0.00	0.00	0.00	0.00
S6RUF CAREHRM	1287	0.00	0.03	0.00	1.00
S7RUF CAREHRM	1424	0.00	0.03	0.00	1.00
S8RUF CAREHRM	1381	0.00	0.00	0.00	0.00
S9RUF CAREHRM	1220	0.00	0.03	0.00	1.00
S10RUF CAREHRM	1743	0.00	0.02	0.00	1.00
S11RUF CAREHRM	1601	0.00	0.02	0.00	1.00
S12RUF CAREHRM	1539	0.00	0.03	0.00	1.00
S13RUF CAREHRM	1514	0.00	0.04	0.00	1.00
S14RUF CAREHRM	1216	0.00	0.03	0.00	1.00
S15RUF CAREHRM	979	0.00	0.00	0.00	0.00

**Categorical Variable Codes**

Value-----	R2RUF CARE	R3RUF CARE	R4RUF CARE	R5RUF CARE
.d:DK	25	4	3	
.f:infrequent care	65			
.h:no help received	495	1580	1804	1754
.m:Missing	2	43	28	
.q:not asked this wave	11595			
.r:Refuse			1	1
.x:no difficulties	5361	13708	16508	15036
0.no	2224	2616	2994	2744
1.yes	50	40	46	43

Value-----	R6RUF CARE	R7RUF CARE	R8RUF CARE	R9RUF CARE	R10RUF CARE
.d:DK	2	3		7	13
.h:no help received	1594	1671	1712	1594	1998
.m:Missing	7	10	7	2	2

.r:Refuse		3		1		3
.x:no difficulties		13784	15487	13868	12911	16455
0.no		2731	2927	2838	2661	3530
1.yes		44	31	43	42	33
Value-----		R11RUF CARE	R12RUF CARE	R13RUF CARE	R14RUF CARE	R15RUF CARE
.d:DK		22	21	21	19	28
.h:no help received		1778	1760	1925	1594	1859
.m:Missing			1		1	5
.r:Refuse		3	8	3	7	2
.x:no difficulties		15402	13719	15629	12852	11549
0.no		3306	3199	3298	2647	2261
1.yes		43	39	36	26	19
Value-----			S2RUF CARE	S3RUF CARE	S4RUF CARE	S5RUF CARE
.d:DK			6	2		
.f:infrequent care			29			
.h:no help received			199	838	956	934
.m:Missing			1	15	7	
.q:not asked this wave			8738			
.u:not coupled			5976	5659	6870	6537
.v:SP NR			578	416	536	311
.x:no difficulties			3018	9741	11514	10429
0.no			1084	1309	1484	1354
1.yes			13	11	17	13
Value-----		S6RUF CARE	S7RUF CARE	S8RUF CARE	S9RUF CARE	S10RUF CARE
.d:DK			2		2	5
.h:no help received		797	824	851	767	929
.m:Missing		3	1	1	2	
.r:Refuse		1				1
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
.x:no difficulties		9544	10717	9495	8649	10830
0.no		1276	1416	1369	1212	1731
1.yes		11	8	12	8	12
Value-----		S11RUF CARE	S12RUF CARE	S13RUF CARE	S14RUF CARE	S15RUF CARE
.d:DK		8	7	9	2	8
.h:no help received		858	775	798	623	873
.m:Missing					1	2
.r:Refuse				1	2	1
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.x:no difficulties		10009	8691	9456	7514	6603
0.no		1583	1526	1504	1207	977
1.yes		18	13	10	9	2

## How Constructed:

The following variables indicate whether unpaid formal caregivers help the respondent with any ADL or IADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs, up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL or IADL, and are coded as special missing .h if the respondent reports difficulty with an ADL or IADL but does not receive any help. For the AHEAD cohort in Wave 2, these variables are assigned special

missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRUF CARE, RwRUF CAREN, RwRUF CAREDPM, RwRUF CAREDPMM, RwRUF CAREHR, and RwRUF CAREHRM include help from an organization/agency if they are reported to not be paid for the AHEAD cohort in Wave 2. These variables include help from a professional, employee of institution, and organization if they are reported to not be paid in Waves 3 through 5. These variables include help from organizations, paid helpers, professionals, or specified professionals if they are reported to not be paid in Wave 6 and onward.

RwRUF CARE indicates whether any unpaid professionals help the respondent with ADL or IADL needs. RwRUF CAREN indicates the number of unpaid professionals who help the respondent with ADL or IADL needs. RwRUF CARE is coded as 0 if no unpaid professionals help the respondent with ADLs or IADLs, and is coded as 1 if at least one unpaid professional helps the respondent with ADLs or IADLs. In Wave 2, RwRUF CARE and RwRUF CAREN are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRUF CARE and RwRUF CAREN are not available in Wave 1.

RwRUF CAREDPM indicates the number of total days per month unpaid professionals help the respondent with ADL or IADL needs. This variable comprises converted responses reported in terms of 'Days in last month', 'Days per week', and 'Everyday'. Respondents were allowed to report the amount of time each helper assists in one of the three mentioned frequencies. RwRUF CAREDPM is the sum of days per month for all unpaid professional helpers, and so values can be over 31 days. RwRUF CAREDPM is calculated as long as there is one non-missing value. RwRUF CAREDPMM indicates the number of unpaid professionals who helped the respondent for whom no value of days was reported and was not accounted for in RwRUF CAREDPM. RwRUF CAREDPMM is assigned special missing .m if the respondent was not helped by any unpaid professionals or prior information was missing. RwRUF CAREDPM and RwRUF CAREDPMM are not available in Waves 1 and 2.

RwRUF CAREHR indicates the number of hours per day unpaid professionals help the respondent with ADL or IADL needs. Respondents are asked, on days unpaid professionals help, how many hours per day that is. If the respondent reports less than an hour, then a 1 is recorded. RwRUF CAREHR is the sum of hours per day for all unpaid professional helpers, and so values can be over 24 hours. RwRUF CAREHR is calculated as long as there is one non-missing value. RwRUF CAREHRM indicates the number of unpaid professionals who helped the respondent for whom no value of hours was reported and was not accounted for in RwRUF CAREHR. RwRUF CAREHRM is assigned special missing .m if the respondent was not helped by any unpaid professionals or prior information was missing. In Wave 2, RwRUF CAREHR and RwRUF CAREHRM are assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwRUF CAREHR and RwRUF CAREHRM are not available in Wave 1.

SwRUF CARE, SwRUF CAREN, SwRUF CAREDPM, and SwRUF CAREHR indicate whether the respondent's current wave's spouse receives help from unpaid professionals, the number, and the frequency with which, and their values are taken from RwRUF CARE, RwRUF CAREN, RwRUF CAREDPM, and RwRUF CAREHR. SwRUF CAREDPMM and SwRUF CAREHRM indicate the number of unpaid professionals who helped the respondent's current spouse for whom a value was not reported for the number of days and hours and are taken from RwRUF CAREDPMM and RwRUF CAREHRM. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs or IADLs at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs, up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Respondents are asked who helps them with ADLs or IADLs, and whether they are paid starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RWRUFCARE and RWRUFCAREN are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RWRUFCARE and RWRUFCAREN are assigned special missing .q in Wave 2 because they were not asked these questions.

In the AHEAD cohort in Wave 2, respondents can report that an unpaid professional helps them with ADLs or IADLs, and were asked how frequently and the number of hours that the unpaid professional provides help. However, the frequency of help is not comparable to other waves and so RWRUFCAREDPM and RWRUFCAREDPMM are not available in this wave. The number of hours that the unpaid professional helps is comparable, and so RWRUFCAREHR and RWRUFCAREHRM are available in this wave. If the respondent participated in the HRS cohort in Wave 2, then RWRUFCAREHR and RWRUFCAREHRM are assigned special missing .q in Wave 2 because they were not asked this question.

Starting in Wave 3, respondents are asked who helps them with ADLs or IADLs, and are asked about the number of days or number of hours that an unpaid professional helps the respondent. As such, RWRUFCAREDPM and RWRUFCAREDPMM are available beginning in Wave 3.

### HRS Variables Used:

#### RAND HRS:

R10BATHA	r10batha:w10 r any diff-bathing, shower
R10BEDA	r10beda:w10 r any diff-get in/out bed
R10DRESSA	r10dressa:w10 r any diff-dressing
R10EATA	r10eata:w10 r any diff-eating
R10MEALSA	r10mealsa:w10 r any diff-prepare hot meal
R10MEDSA	r10medsa:w10 r any diff-take medications
R10MONEYA	r10moneya:w10 r any diff-managing money
R10PHONEA	r10phonea:w10 r any diff-use telephone
R10SHOPA	r10shopa:w10 r any diff-shop for grocery
R10TOILTA	r10toilta:w10 r any diff-using the toilet
R10WALKRA	r10walkra:w10 r any diff-walk across room
R11BATHA	r11batha:w11 r any diff-bathing, shower
R11BEDA	r11beda:w11 r any diff-get in/out bed
R11DRESSA	r11dressa:w11 r any diff-dressing
R11EATA	r11eata:w11 r any diff-eating
R11MEALSA	r11mealsa:w11 r any diff-prepare hot meal
R11MEDSA	r11medsa:w11 r any diff-take medications
R11MONEYA	r11moneya:w11 r any diff-managing money
R11PHONEA	r11phonea:w11 r any diff-use telephone
R11SHOPA	r11shopa:w11 r any diff-shop for grocery
R11TOILTA	r11toilta:w11 r any diff-using the toilet
R11WALKRA	r11walkra:w11 r any diff-walk across room
R12BATHA	r12batha:w12 r any diff-bathing, shower
R12BEDA	r12beda:w12 r any diff-get in/out bed
R12DRESSA	r12dressa:w12 r any diff-dressing
R12EATA	r12eata:w12 r any diff-eating
R12MEALSA	r12mealsa:w12 r any diff-prepare hot meal
R12MEDSA	r12medsa:w12 r any diff-take medications
R12MONEYA	r12moneya:w12 r any diff-managing money
R12PHONEA	r12phonea:w12 r any diff-use telephone
R12SHOPA	r12shopa:w12 r any diff-shop for grocery
R12TOILTA	r12toilta:w12 r any diff-using the toilet
R12WALKRA	r12walkra:w12 r any diff-walk across room
R13BATHA	r13batha:w13 r any diff-bathing, shower
R13BEDA	r13beda:w13 r any diff-get in/out bed
R13DRESSA	r13dressa:w13 r any diff-dressing
R13EATA	r13eata:w13 r any diff-eating
R13MEALSA	r13mealsa:w13 r any diff-prepare hot meal
R13MEDSA	r13medsa:w13 r any diff-take medications

R13MONEYA r13moneya:w13 r any diff-managing money  
R13PHONEA r13phonea:w13 r any diff-use telephone  
R13SHOPA r13shopa:w13 r any diff-shop for grocery  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14MEALSA r14mealsa:w14 r any diff-prepare hot meal  
R14MEDSA r14medsa:w14 r any diff-take medications  
R14MONEYA r14moneya:w14 r any diff-managing money  
R14PHONEA r14phonea:w14 r any diff-use telephone  
R14SHOPA r14shopa:w14 r any diff-shop for grocery  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15MEALSA r15mealsa:w15 r any diff-prepare hot meal  
R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15TOILTA r15toilta:w15 r any diff-using the toilet  
R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
R5MEDSA r5medsa:w5 r any diff-take medications  
R5MONEYA r5moneya:w5 r any diff-managing money  
R5PHONEA r5phonea:w5 r any diff-use telephone  
R5SHOPA r5shopa:w5 r any diff-shop for grocery  
R5TOILTA r5toilta:w5 r any diff-using the toilet  
R5WALKRA r5walkra:w5 r any diff-walk across room  
R6BATHA r6batha:w6 r any diff-bathing, shower  
R6BEDA r6beda:w6 r any diff-get in/out bed  
R6DRESSA r6dressa:w6 r any diff-dressing

R6EATA	r6eata:w6 r any diff-eating
R6MEALSA	r6mealsa:w6 r any diff-prepare hot meal
R6MEDSA	r6medsa:w6 r any diff-take medications
R6MONEYA	r6moneya:w6 r any diff-managing money
R6PHONEA	r6phonea:w6 r any diff-use telephone
R6SHOPA	r6shopa:w6 r any diff-shop for grocery
R6TOILTA	r6toilta:w6 r any diff-using the toilet
R6WALKRA	r6walkra:w6 r any diff-walk across room
R7BATHA	r7batha:w7 r any diff-bathing, shower
R7BEDA	r7beda:w7 r any diff-get in/out bed
R7DRESSA	r7dressa:w7 r any diff-dressing
R7EATA	r7eata:w7 r any diff-eating
R7MEALSA	r7mealsa:w7 r any diff-prepare hot meal
R7MEDSA	r7medsa:w7 r any diff-take medications
R7MONEYA	r7moneya:w7 r any diff-managing money
R7PHONEA	r7phonea:w7 r any diff-use telephone
R7SHOPA	r7shopa:w7 r any diff-shop for grocery
R7TOILTA	r7toilta:w7 r any diff-using the toilet
R7WALKRA	r7walkra:w7 r any diff-walk across room
R8BATHA	r8batha:w8 r any diff-bathing, shower
R8BEDA	r8beda:w8 r any diff-get in/out bed
R8DRESSA	r8dressa:w8 r any diff-dressing
R8EATA	r8eata:w8 r any diff-eating
R8MEALSA	r8mealsa:w8 r any diff-prepare hot meal
R8MEDSA	r8medsa:w8 r any diff-take medications
R8MONEYA	r8moneya:w8 r any diff-managing money
R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps
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  
 B913 e54. iadls-who helps most often  
 B924 e55a.iadls who other helper  
 B948 e57. iadl money  
 B950 e58. money who helps

Wave 2 AHEAD Helper:

BRELATEP HELPER RELATION TO R  
 HN HELPER NUMBER  
 OPN OTHER PERSON NUMBER  
 OTHRHELP OTHER HELPER RELATION TO R  
 V992 E60. HELPER HOW OFTEN  
 V993 E61. HELPER HOURS PER DAY

Wave 2 AHEAD HHLIST:

OPN OTHER PERSON NUMBER  
 RELATE\_F RELATIONSHIP TO FEMALE R  
 RELATE\_M RELATIONSHIP TO MALE R

Wave 2 HRS:

WN\_INHH hrs w2: # in hhold (r1/r2 only)

Wave 3 AHEAD:

D1870 adlck.ckpt for skipping adl series  
 D1877 e72f.adl walk help  
 D1887 e73f.adl dress help  
 D1897 e74f.adl bathe help  
 D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7  
 D2024 e95c.iadl meals help  
 D2029 e96c.iadl groc help  
 D2034 e97c.iadl phone help  
 D2039 e98c.iadl med help  
 D2041 e99.iadls-who help,1  
 D2050 e100.iadls-who help,2  
 D2055 e101.iadls-who help,3  
 D2061 e102.iadls-who help,4  
 D2067 e103.iadls-who help,5  
 D2073 e104.iadls-who help,6  
 D2102 e106c.iadl money who help,1  
 D2107 e107. money help-1  
 D2115 e107c.iadl money who help,2  
 D2121 e108. money helper-2

Wave 3 AHEAD Helper:

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  
 OPN OTHER PERSON NUMBER

Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
 E1901 e72f.adl walk help  
 E1911 e73f.adl dress help  
 E1921 e74f.adl bathe help  
 E1931 e75f.adl eat help  
 E1944 e76f.adl bed help  
 E1954 e77f.adl toilet help

E1976 e83.who help-11  
 E1990 e84.who help-2  
 E1999 e85.who help-3  
 E2003 e86.who help-4  
 E2007 e87.who help-5  
 E2011 e88.who help-6  
 E2015 e89.who help-7  
 E2039 e95c.iadl meals help  
 E2044 e96c.iadl groc help  
 E2049 e97c.iadl phone help  
 E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2  
 E2109 e108. money helper-2

## Wave 3 HRS Helper:

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  
 E2142 E158-2. HELPER-SP OFTEN  
 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  
 OPN OTHER PERSON NUMBER

## Wave 4:

F2426 e73f.adl dress help  
 F2431 e72.adl walk help  
 F2447 e74f.adl bathe help  
 F2457 e75f.adl eat help  
 F2470 e76f.adl bed help  
 F2480 e77f.adl toilet help  
 F2502 e83.who help-11  
 F2502 e83.who help-11  
 F2516 e84.who help-2  
 F2516 e84.who help-2  
 F2525 e85.who help-3  
 F2525 e85.who help-3  
 F2529 e86.who help-4  
 F2529 e86.who help-4  
 F2533 e87.who help-5  
 F2533 e87.who help-5  
 F2537 e88.who help-6  
 F2537 e88.who help-6  
 F2541 e89.who help-7  
 F2541 e89.who help-7  
 F2565 e95c.iadl meals help  
 F2570 e96c.iadl groc help  
 F2575 e97c.iadl phone help  
 F2580 e98c.iadl med help  
 F2582 e99.iadls-who help,1  
 F2591 e100.iadls-who help,2  
 F2596 e101.iadls-who help,3  
 F2602 e102.iadls-who help,4

F2608 e103.iadls-who help,5  
 F2614 e104.iadls-who help,6  
 F2620 e106c.iadl money who help,1  
 F2621 e107. money help-1  
 F2624 e107c.iadl money who help,2  
 F2625 e108. money helper-2  
 F517 cs11.r in nursing home

## Wave 4 Helper:

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  
 F2658 E158-2. HELPER OFTEN  
 F2659 E158A-2.HELPER PER WEEK  
 F2660 E158B-2.HELPER EVERY DAY  
 F2662 E159-2. HELPER HOURS  
 F2665 E162-2. HELPER PAID  
 OPN OTHER PERSON NUMBER

## Wave 5:

G2724 e73f.adl dress help  
 G2729 e72y1.adl walk help  
 G2745 e74f.adl bathe help  
 G2755 e75f.adl eat help  
 G2768 e76f.adl bed help  
 G2778 e77f.adl toilet help  
 G2800 e83.who help-11  
 G2814 e84.who help-2  
 G2823 e85.who help-3  
 G2827 e86.who help-4  
 G2831 e87.who help-5  
 G2835 e88.who help-6  
 G2839 e89.who help-7  
 G2863 e95c.iadl meals help  
 G2868 e96c.iadl groc help  
 G2873 e97c.iadl phone help  
 G2878 e98c.iadl med help  
 G2880 e99.iadls-who help-1  
 G2889 e100.iadls-who help-2  
 G2894 e101.iadls-who help-3  
 G2900 e102.iadls-who help-4  
 G2906 e103.iadls-who help-5  
 G2912 e104.iadls-who help-6  
 G2918 e106c.iadl money who help-1  
 G2919 e107. money help-1  
 G2922 e107c.iadl money who help-2  
 G2923 e108. money helper-2  
 G558 cs11.r in nursing home

## Wave 5 Helper:

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  
 OPN OTHER PERSON NUMBER

## Wave 6:

HA028 r in nursing home  
 HG013 chkpnt: count of hg001 through hg012  
 HG015 help w/dress  
 HG020 adl walk help  
 HG022 adl bathe help  
 HG024 adl eat help  
 HG029 adl bed help  
 HG031 adl toilet help  
 HG032\_1 who helps most- adl- 1  
 HG032\_2 who helps- adl- 2  
 HG032\_3 who helps- adl- 3  
 HG032\_4 who helps- adl- 4  
 HG032\_5 who helps- adl- 5  
 HG032\_6 who helps- adl- 6  
 HG032\_7 who helps- adl- 7  
 HG043 iadl meal preparation help  
 HG046 iadl groc shop help  
 HG049 iadl making phone calls help  
 HG053 iadl taking medications help  
 HG054\_1 iadls- who helps most-1  
 HG054\_2 iadls- who helps- 2  
 HG054\_3 iadls- who helps- 3  
 HG054\_4 iadls- who helps- 4  
 HG054\_5 iadls- who helps- 5  
 HG054\_6 iadls- who helps- 6  
 HG061 iadl managing money help  
 HG062\_1 who helps manage money-1  
 HG062\_2 who helps manage money-2

## Wave 6 Helper:

HADLNDX adl helper index  
 HG069 helper relationship  
 HG070 freq of help given- days in last month  
 HG071 freq of help given- days per week  
 HG072 did helper help every dy  
 HG073 #hrs of help  
 HG076 helper paid to help  
 HIADLNDX iadl helper index  
 HMNYNDX money helper index

## Wave 7:

JA028 r in nursing home  
 JG013 chkpnt: count of jg001 through jg012  
 JG015 help w/dress  
 JG020 adl walk help  
 JG022 adl bathe help  
 JG024 adl eat help  
 JG029 adl bed help  
 JG031 adl toilet help  
 JG032\_1 who helps most- adl- 1  
 JG032\_2 who helps- adl- 2  
 JG032\_3 who helps- adl- 3  
 JG032\_4 who helps- adl- 4  
 JG032\_5 who helps- adl- 5  
 JG032\_6 who helps- adl- 6  
 JG032\_7 who helps- adl- 7  
 JG043 iadl meal preparation help  
 JG046 iadl groc shop help  
 JG049 iadl making phone calls help  
 JG053 iadl taking medications help  
 JG054\_1 iadls- who helps most-1  
 JG054\_2 iadls- who helps- 2  
 JG054\_3 iadls- who helps- 3  
 JG054\_4 iadls- who helps- 4  
 JG054\_5 iadls- who helps- 5

JG054_6	iadls- who helps- 6
JG061	iadl managing money help
JG062_1	who helps manage money-1
JG062_2	who helps manage money-2
Wave 7 Helper:	
JADLNDX	index connection to the adl table
JG069	helper relationship
JG070	freq of help given-days last month
JG071	# days helper helped
JG072	did helper help every dy
JG073	#hrs of help
JG076	helper given money to help
JIADLNDX	index connection to the iadl table
JMNYNDX	index connection to the money table
Wave 8:	
KA028	r in nursing home
KG013	chkpnt: count of jg001 through jg012
KG015	help w/dress
KG020	adl walk help
KG022	adl bathe help
KG024	adl eat help
KG029	adl bed help
KG031	adl toilet help
KG032_1	who helps most- adl- 1
KG032_2	who helps- adl- 2
KG032_3	who helps- adl- 3
KG032_4	who helps- adl- 4
KG032_5	who helps- adl- 5
KG032_6	who helps- adl- 6
KG032_7	who helps- adl- 7
KG043	iadl meal preparation help
KG046	iadl groc shop help
KG049	iadl making phone calls help
KG053	iadl taking medications help
KG054_1	iadls- who helps most-1
KG054_2	iadls- who helps- 2
KG054_3	iadls- who helps- 3
KG054_4	iadls- who helps- 4
KG054_5	iadls- who helps- 5
KG054_6	iadls- who helps- 6
KG061	iadl managing money help
KG062_1	who helps manage money-1
KG062_2	who helps manage money-2
Wave 8 Helper:	
KADLNDX	index connection to the adl table
KG069	helper relationship
KG070	freq of help given-days last month
KG071	# days helper helped
KG072	did helper help every dy
KG073	#hrs of help
KG076	helper given money to help
KIADLNDX	index connection to the iadl table
KMNYNDX	index connection to the money table
Wave 9:	
LA028	r in nursing home
LG013	chkpnt: count of lg001 through lg012
LG015	help w/dress
LG020	adl walk help
LG022	adl bathe help
LG024	adl eat help
LG029	adl bed help
LG031	adl toilet help
LG032_1	who helps most- adl- 1

LG032\_2 who helps- adl- 2  
 LG032\_3 who helps- adl- 3  
 LG032\_4 who helps- adl- 4  
 LG032\_5 who helps- adl- 5  
 LG032\_6 who helps- adl- 6  
 LG032\_7 who helps- adl- 7  
 LG043 iadl meal preparation help  
 LG046 iadl groc shop help  
 LG049 iadl making phone calls help  
 LG053 iadl taking medications help  
 LG054\_1 iadls- who helps most-1  
 LG054\_2 iadls- who helps- 2  
 LG054\_3 iadls- who helps- 3  
 LG054\_4 iadls- who helps- 4  
 LG054\_5 iadls- who helps- 5  
 LG054\_6 iadls- who helps- 6  
 LG061 iadl managing money help  
 LG062\_1 who helps manage money-1  
 LG062\_2 who helps manage money-2

## Wave 9 Helper:

LADLNDX index connection to the adl table  
 LG069 helper relationship  
 LG070 freq of help given-days last month  
 LG071 # days helper helped  
 LG072 did helper help every day  
 LG073 #hrs of help  
 LG076 helper given money to help  
 LIADLNDX index connection to the iadl table  
 LMNYNDX index connection to the money table

## Wave 10:

MA028 r in nursing home  
 MG013 chkpnt: count of mg001 through mg012  
 MG015 help w/dress  
 MG020 adl walk help  
 MG022 adl bathe help  
 MG024 adl eat help  
 MG029 adl bed help  
 MG031 adl toilet help  
 MG032\_1 who helps most- adl- 1  
 MG032\_2 who helps- adl- 2  
 MG032\_3 who helps- adl- 3  
 MG032\_4 who helps- adl- 4  
 MG032\_5 who helps- adl- 5  
 MG032\_6 who helps- adl- 6  
 MG032\_7 who helps- adl- 7  
 MG043 iadl meal preparation help  
 MG046 iadl groc shop help  
 MG049 iadl making phone calls help  
 MG053 iadl taking medications help  
 MG054\_1 iadls- who helps -1  
 MG054\_2 iadls- who helps- 2  
 MG054\_3 iadls- who helps- 3  
 MG054\_4 iadls- who helps- 4  
 MG054\_5 iadls- who helps- 5  
 MG054\_6 iadls- who helps- 6  
 MG061 iadl managing money help  
 MG062\_1 who helps manage money-1  
 MG062\_2 who helps manage money-2

## Wave 10 Helper:

MADLNDX index connection to the adl table  
 MG069 helper relationship -1  
 MG070 freq of help given -1  
 MG071 # days helper helped -1

MG072 did helper help every dy -1  
 MG073 #hrs of help -1  
 MG076 helper given money to help -1  
 MIADLNDX index connection to the iadl table  
 MMNYNDX index connection to the money table

## Wave 11:

NA028 r in nursing home  
 NG013 chkpnt: count of ng001 through ng012  
 NG015 help w/dress  
 NG020 adl walk help  
 NG022 adl bathe help  
 NG024 adl eat help  
 NG029 adl bed help  
 NG031 adl toilet help  
 NG032\_1 who helps most- adl- 1  
 NG032\_2 who helps- adl- 2  
 NG032\_3 who helps- adl- 3  
 NG032\_4 who helps- adl- 4  
 NG032\_5 who helps- adl- 5  
 NG032\_6 who helps- adl- 6  
 NG032\_7 who helps- adl- 7  
 NG043 iadl meal preparation help  
 NG046 iadl groc shop help  
 NG049 iadl making phone calls help  
 NG053 iadl taking medications help  
 NG054\_1 iadls- who helps -1  
 NG054\_2 iadls- who helps- 2  
 NG054\_3 iadls- who helps- 3  
 NG054\_4 iadls- who helps- 4  
 NG054\_5 iadls- who helps- 5  
 NG054\_6 iadls- who helps- 6  
 NG061 iadl managing money help  
 NG062\_1 who helps manage money-1  
 NG062\_2 who helps manage money-2

## Wave 11 Helper:

NADLNDX index connection to the adl table  
 NG069 helper relationship  
 NG070 freq of help given  
 NG071 # days helper helped  
 NG072 did helper help every dy  
 NG073 #hrs of help  
 NG076 helper given money to help  
 NIADLNDX index connection to the iadl table  
 NMNYNDX index connection to the money table

## Wave 12:

OA028 r in nursing home  
 OG013 chkpnt: count of g001 through g012  
 OG015 help w/dress  
 OG020 adl walk help  
 OG022 adl bathe help  
 OG024 adl eat help  
 OG029 adl bed help  
 OG031 adl toilet help  
 OG032\_1 who helps most- adl- 1  
 OG032\_2 who helps- adl- 2  
 OG032\_3 who helps- adl- 3  
 OG032\_4 who helps- adl- 4  
 OG032\_5 who helps- adl- 5  
 OG032\_6 who helps- adl- 6  
 OG032\_7 who helps- adl- 7  
 OG043 iadl meal preparation help  
 OG046 iadl groc shop help  
 OG049 iadl making phone calls help

OG053 iadl taking medications help  
 OG054\_1 iadls- who helps -1  
 OG054\_2 iadls- who helps- 2  
 OG054\_3 iadls- who helps- 3  
 OG054\_4 iadls- who helps- 4  
 OG054\_5 iadls- who helps- 5  
 OG054\_6 iadls- who helps- 6  
 OG061 iadl managing money help  
 OG062\_1 who helps manage money-1  
 OG062\_2 who helps manage money-2

## Wave 12 Helper:

OADLNDX index connection to the adl table  
 OG069 helper relationship  
 OG070 freq of help given  
 OG071 # days helper helped  
 OG072 did helper help every dy  
 OG073 #hrs of help  
 OG076 helper given money to help  
 OIADLNDX index connection to the iadl table  
 OMNYNDX index connection to the money table

## Wave 13:

PA028 r in nursing home  
 PG013 chkpnt: count of g001 through g012  
 PG015 help w/dress  
 PG020 adl walk help  
 PG022 adl bathe help  
 PG024 adl eat help  
 PG029 adl bed help  
 PG031 adl toilet help  
 PG032\_1 who helps most- adl- 1  
 PG032\_2 who helps- adl- 2  
 PG032\_3 who helps- adl- 3  
 PG032\_4 who helps- adl- 4  
 PG032\_5 who helps- adl- 5  
 PG032\_6 who helps- adl- 6  
 PG032\_7 who helps- adl- 7  
 PG043 iadl meal preparation help  
 PG046 iadl groc shop help  
 PG049 iadl making phone calls help  
 PG053 iadl taking medications help  
 PG054\_1 iadls- who helps -1  
 PG054\_2 iadls- who helps- 2  
 PG054\_3 iadls- who helps- 3  
 PG054\_4 iadls- who helps- 4  
 PG054\_5 iadls- who helps- 5  
 PG054\_6 iadls- who helps- 6  
 PG061 iadl managing money help  
 PG062\_1 who helps manage money-1  
 PG062\_2 who helps manage money-2

## Wave 13 Helper:

PADLNDX index connection to the adl table  
 PG069 helper relationship  
 PG070 freq of help given  
 PG071 # days helper helped  
 PG072 did helper help every dy  
 PG073 #hrs of help  
 PG076 helper given money to help  
 PIADLNDX index connection to the iadl table  
 PMNYNDX index connection to the money table

## Wave 14:

QA028 r in nursing home  
 QG013 chkpnt: count of g001 through g012  
 QG015 help w/dress



QG020 adl walk help  
 QG022 adl bathe help  
 QG024 adl eat help  
 QG029 adl bed help  
 QG031 adl toilet help  
 QG032\_1 who helps most- adl- 1  
 QG032\_2 who helps- adl- 2  
 QG032\_3 who helps- adl- 3  
 QG032\_4 who helps- adl- 4  
 QG032\_5 who helps- adl- 5  
 QG032\_6 who helps- adl- 6  
 QG032\_7 who helps- adl- 7  
 QG043 iadl meal preparation help  
 QG046 iadl groc shop help  
 QG049 iadl making phone calls help  
 QG053 iadl taking medications help  
 QG054\_1 iadls- who helps -1  
 QG054\_2 iadls- who helps- 2  
 QG054\_3 iadls- who helps- 3  
 QG054\_4 iadls- who helps- 4  
 QG054\_5 iadls- who helps- 5  
 QG054\_6 iadls- who helps- 6  
 QG061 iadl managing money help  
 QG062\_1 who helps manage money-1  
 QG062\_2 who helps manage money-2

## Wave 14 Helper:

QADLNDX INDEX CONNECTION TO THE ADL TABLE  
 QG069 HELPER RELATIONSHIP  
 QG070 FREQ OF HELP GIVEN  
 QG071 # DAYS HELPER HELPED  
 QG072 DID HELPER HELP EVERY DY  
 QG073 #HRS OF HELP  
 QG076 HELPER GIVEN MONEY TO HELP  
 QIADLNDX INDEX CONNECTION TO THE IADL TABLE  
 QMNYNDX INDEX CONNECTION TO THE MONEY TABLE

## Wave 15:

RA028 r in nursing home  
 RG013 chkpnt: count of g001 through g012  
 RG015 help w/dress  
 RG020 adl walk help  
 RG022 adl bathe help  
 RG024 adl eat help  
 RG029 adl bed help  
 RG031 adl toilet help  
 RG032\_1 who helps most- adl- 1  
 RG032\_2 who helps- adl- 2  
 RG032\_3 who helps- adl- 3  
 RG032\_4 who helps- adl- 4  
 RG032\_5 who helps- adl- 5  
 RG032\_6 who helps- adl- 6  
 RG032\_7 who helps- adl- 7  
 RG043 iadl meal preparation help  
 RG046 iadl groc shop help  
 RG049 iadl making phone calls help  
 RG053 iadl taking medications help  
 RG054\_1 iadls- who helps -1  
 RG054\_2 iadls- who helps- 2  
 RG054\_3 iadls- who helps- 3  
 RG054\_4 iadls- who helps- 4  
 RG054\_5 iadls- who helps- 5  
 RG054\_6 iadls- who helps- 6  
 RG061 iadl managing money help  
 RG062\_1 who helps manage money-1

RG062\_2            who helps manage money-2  
Wave 15 Helper:  
RADLNDX            INDEX CONNECTION TO THE ADL TABLE  
RG069              HELPER RELATIONSHIP  
RG070              FREQ OF HELP GIVEN  
RG071              # DAYS HELPER HELPED  
RG072              DID HELPER HELP EVERY DY  
RG073              #HRS OF HELP  
RG076              HELPER GIVEN MONEY TO HELP  
RIADLNDX            INDEX CONNECTION TO THE IADL TABLE  
RMNYNDX            INDEX CONNECTION TO THE MONEY TABLE

<b>Activities of Daily Living and Instrumental Activities of Daily Living: Paid Help</b>
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Wave	Variable	Label	Type
02	R2HLPPDN	r2hlppdn:w2 r # paid helpers for adls/iadls	Cont
03	R3HLPPDN	r3hlppdn:w3 r # paid helpers for adls/iadls	Cont
04	R4HLPPDN	r4hlppdn:w4 r # paid helpers for adls/iadls	Cont
05	R5HLPPDN	r5hlppdn:w5 r # paid helpers for adls/iadls	Cont
06	R6HLPPDN	r6hlppdn:w6 r # paid helpers for adls/iadls	Cont
07	R7HLPPDN	r7hlppdn:w7 r # paid helpers for adls/iadls	Cont
08	R8HLPPDN	r8hlppdn:w8 r # paid helpers for adls/iadls	Cont
09	R9HLPPDN	r9hlppdn:w9 r # paid helpers for adls/iadls	Cont
10	R10HLPPDN	r10hlppdn:w10 r # paid helpers for adls/iadls	Cont
11	R11HLPPDN	r11hlppdn:w11 r # paid helpers for adls/iadls	Cont
12	R12HLPPDN	r12hlppdn:w12 r # paid helpers for adls/iadls	Cont
13	R13HLPPDN	r13hlppdn:w13 r # paid helpers for adls/iadls	Cont
14	R14HLPPDN	r14hlppdn:w14 r # paid helpers for adls/iadls	Cont
15	R15HLPPDN	r15hlppdn:w15 r # paid helpers for adls/iadls	Cont
02	S2HLPPDN	s2hlppdn:w2 s # paid helpers for adls/iadls	Cont
03	S3HLPPDN	s3hlppdn:w3 s # paid helpers for adls/iadls	Cont
04	S4HLPPDN	s4hlppdn:w4 s # paid helpers for adls/iadls	Cont
05	S5HLPPDN	s5hlppdn:w5 s # paid helpers for adls/iadls	Cont
06	S6HLPPDN	s6hlppdn:w6 s # paid helpers for adls/iadls	Cont
07	S7HLPPDN	s7hlppdn:w7 s # paid helpers for adls/iadls	Cont
08	S8HLPPDN	s8hlppdn:w8 s # paid helpers for adls/iadls	Cont
09	S9HLPPDN	s9hlppdn:w9 s # paid helpers for adls/iadls	Cont
10	S10HLPPDN	s10hlppdn:w10 s # paid helpers for adls/iadls	Cont
11	S11HLPPDN	s11hlppdn:w11 s # paid helpers for adls/iadls	Cont
12	S12HLPPDN	s12hlppdn:w12 s # paid helpers for adls/iadls	Cont
13	S13HLPPDN	s13hlppdn:w13 s # paid helpers for adls/iadls	Cont
14	S14HLPPDN	s14hlppdn:w14 s # paid helpers for adls/iadls	Cont
15	S15HLPPDN	s15hlppdn:w15 s # paid helpers for adls/iadls	Cont
02	R2HLPPDIN	r2hlppdin:w2 r # paid helpers for adls/iadls insurance helps	Cont
03	R3HLPPDIN	r3hlppdin:w3 r # paid helpers for adls/iadls insurance helps	Cont
04	R4HLPPDIN	r4hlppdin:w4 r # paid helpers for adls/iadls insurance helps	Cont
05	R5HLPPDIN	r5hlppdin:w5 r # paid helpers for adls/iadls insurance helps	Cont
06	R6HLPPDIN	r6hlppdin:w6 r # paid helpers for adls/iadls insurance helps	Cont
07	R7HLPPDIN	r7hlppdin:w7 r # paid helpers for adls/iadls insurance helps	Cont
08	R8HLPPDIN	r8hlppdin:w8 r # paid helpers for adls/iadls insurance helps	Cont
09	R9HLPPDIN	r9hlppdin:w9 r # paid helpers for adls/iadls insurance helps	Cont
10	R10HLPPDIN	r10hlppdin:w10 r # paid helpers for adls/iadls insurance hel	Cont
11	R11HLPPDIN	r11hlppdin:w11 r # paid helpers for adls/iadls insurance hel	Cont
12	R12HLPPDIN	r12hlppdin:w12 r # paid helpers for adls/iadls insurance hel	Cont
13	R13HLPPDIN	r13hlppdin:w13 r # paid helpers for adls/iadls insurance hel	Cont
14	R14HLPPDIN	r14hlppdin:w14 r # paid helpers for adls/iadls insurance hel	Cont
15	R15HLPPDIN	r15hlppdin:w15 r # paid helpers for adls/iadls insurance hel	Cont
02	S2HLPPDIN	s2hlppdin:w2 s # paid helpers for adls/iadls insurance helps	Cont
03	S3HLPPDIN	s3hlppdin:w3 s # paid helpers for adls/iadls insurance helps	Cont
04	S4HLPPDIN	s4hlppdin:w4 s # paid helpers for adls/iadls insurance helps	Cont
05	S5HLPPDIN	s5hlppdin:w5 s # paid helpers for adls/iadls insurance helps	Cont
06	S6HLPPDIN	s6hlppdin:w6 s # paid helpers for adls/iadls insurance helps	Cont
07	S7HLPPDIN	s7hlppdin:w7 s # paid helpers for adls/iadls insurance helps	Cont
08	S8HLPPDIN	s8hlppdin:w8 s # paid helpers for adls/iadls insurance helps	Cont
09	S9HLPPDIN	s9hlppdin:w9 s # paid helpers for adls/iadls insurance helps	Cont
10	S10HLPPDIN	s10hlppdin:w10 s # paid helpers for adls/iadls insurance hel	Cont
11	S11HLPPDIN	s11hlppdin:w11 s # paid helpers for adls/iadls insurance hel	Cont
12	S12HLPPDIN	s12hlppdin:w12 s # paid helpers for adls/iadls insurance hel	Cont
13	S13HLPPDIN	s13hlppdin:w13 s # paid helpers for adls/iadls insurance hel	Cont

14	S14HLPPDIN	s14hlppdin:w14 s # paid helpers for adls/iadls insurance hel	Cont
15	S15HLPPDIN	s15hlppdin:w15 s # paid helpers for adls/iadls insurance hel	Cont
02	R2HLPPDAMT	r2hlppdamt:w2 r total monthly oop cost for paid care for adl	Cont
03	R3HLPPDAMT	r3hlppdamt:w3 r total monthly oop cost for paid care for adl	Cont
04	R4HLPPDAMT	r4hlppdamt:w4 r total monthly oop cost for paid care for adl	Cont
05	R5HLPPDAMT	r5hlppdamt:w5 r total monthly oop cost for paid care for adl	Cont
06	R6HLPPDAMT	r6hlppdamt:w6 r total monthly oop cost for paid care for adl	Cont
07	R7HLPPDAMT	r7hlppdamt:w7 r total monthly oop cost for paid care for adl	Cont
08	R8HLPPDAMT	r8hlppdamt:w8 r total monthly oop cost for paid care for adl	Cont
09	R9HLPPDAMT	r9hlppdamt:w9 r total monthly oop cost for paid care for adl	Cont
10	R10HLPPDAMT	r10hlppdamt:w10 r total monthly oop cost for paid care for a	Cont
11	R11HLPPDAMT	r11hlppdamt:w11 r total monthly oop cost for paid care for a	Cont
12	R12HLPPDAMT	r12hlppdamt:w12 r total monthly oop cost for paid care for a	Cont
13	R13HLPPDAMT	r13hlppdamt:w13 r total monthly oop cost for paid care for a	Cont
14	R14HLPPDAMT	r14hlppdamt:w14 r total monthly oop cost for paid care for a	Cont
15	R15HLPPDAMT	r15hlppdamt:w15 r total monthly oop cost for paid care for a	Cont
02	S2HLPPDAMT	s2hlppdamt:w2 s total monthly oop cost for paid care for adl	Cont
03	S3HLPPDAMT	s3hlppdamt:w3 s total monthly oop cost for paid care for adl	Cont
04	S4HLPPDAMT	s4hlppdamt:w4 s total monthly oop cost for paid care for adl	Cont
05	S5HLPPDAMT	s5hlppdamt:w5 s total monthly oop cost for paid care for adl	Cont
06	S6HLPPDAMT	s6hlppdamt:w6 s total monthly oop cost for paid care for adl	Cont
07	S7HLPPDAMT	s7hlppdamt:w7 s total monthly oop cost for paid care for adl	Cont
08	S8HLPPDAMT	s8hlppdamt:w8 s total monthly oop cost for paid care for adl	Cont
09	S9HLPPDAMT	s9hlppdamt:w9 s total monthly oop cost for paid care for adl	Cont
10	S10HLPPDAMT	s10hlppdamt:w10 s total monthly oop cost for paid care for a	Cont
11	S11HLPPDAMT	s11hlppdamt:w11 s total monthly oop cost for paid care for a	Cont
12	S12HLPPDAMT	s12hlppdamt:w12 s total monthly oop cost for paid care for a	Cont
13	S13HLPPDAMT	s13hlppdamt:w13 s total monthly oop cost for paid care for a	Cont
14	S14HLPPDAMT	s14hlppdamt:w14 s total monthly oop cost for paid care for a	Cont
15	S15HLPPDAMT	s15hlppdamt:w15 s total monthly oop cost for paid care for a	Cont
02	R2HLPPDAMTM	r2hlppdamtm:w2 r # paid helpers missing cost of help for adl	Cont
03	R3HLPPDAMTM	r3hlppdamtm:w3 r # paid helpers missing cost of help for adl	Cont
04	R4HLPPDAMTM	r4hlppdamtm:w4 r # paid helpers missing cost of help for adl	Cont
05	R5HLPPDAMTM	r5hlppdamtm:w5 r # paid helpers missing cost of help for adl	Cont
06	R6HLPPDAMTM	r6hlppdamtm:w6 r # paid helpers missing cost of help for adl	Cont
07	R7HLPPDAMTM	r7hlppdamtm:w7 r # paid helpers missing cost of help for adl	Cont
08	R8HLPPDAMTM	r8hlppdamtm:w8 r # paid helpers missing cost of help for adl	Cont
09	R9HLPPDAMTM	r9hlppdamtm:w9 r # paid helpers missing cost of help for adl	Cont
10	R10HLPPDAMTM	r10hlppdamtm:w10 r # paid helpers missing cost of help for a	Cont
11	R11HLPPDAMTM	r11hlppdamtm:w11 r # paid helpers missing cost of help for a	Cont
12	R12HLPPDAMTM	r12hlppdamtm:w12 r # paid helpers missing cost of help for a	Cont
13	R13HLPPDAMTM	r13hlppdamtm:w13 r # paid helpers missing cost of help for a	Cont
14	R14HLPPDAMTM	r14hlppdamtm:w14 r # paid helpers missing cost of help for a	Cont
15	R15HLPPDAMTM	r15hlppdamtm:w15 r # paid helpers missing cost of help for a	Cont
02	S2HLPPDAMTM	s2hlppdamtm:w2 s # paid helpers missing cost of help for adl	Cont
03	S3HLPPDAMTM	s3hlppdamtm:w3 s # paid helpers missing cost of help for adl	Cont
04	S4HLPPDAMTM	s4hlppdamtm:w4 s # paid helpers missing cost of help for adl	Cont
05	S5HLPPDAMTM	s5hlppdamtm:w5 s # paid helpers missing cost of help for adl	Cont
06	S6HLPPDAMTM	s6hlppdamtm:w6 s # paid helpers missing cost of help for adl	Cont
07	S7HLPPDAMTM	s7hlppdamtm:w7 s # paid helpers missing cost of help for adl	Cont
08	S8HLPPDAMTM	s8hlppdamtm:w8 s # paid helpers missing cost of help for adl	Cont
09	S9HLPPDAMTM	s9hlppdamtm:w9 s # paid helpers missing cost of help for adl	Cont
10	S10HLPPDAMTM	s10hlppdamtm:w10 s # paid helpers missing cost of help for a	Cont
11	S11HLPPDAMTM	s11hlppdamtm:w11 s # paid helpers missing cost of help for a	Cont
12	S12HLPPDAMTM	s12hlppdamtm:w12 s # paid helpers missing cost of help for a	Cont
13	S13HLPPDAMTM	s13hlppdamtm:w13 s # paid helpers missing cost of help for a	Cont
14	S14HLPPDAMTM	s14hlppdamtm:w14 s # paid helpers missing cost of help for a	Cont
15	S15HLPPDAMTM	s15hlppdamtm:w15 s # paid helpers missing cost of help for a	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R2HLPPDN	1294	0.33	0.55	0.00	4.00
R3HLPPDN	1703	0.27	0.55	0.00	4.00
R4HLPPDN	1975	0.32	0.58	0.00	4.00
R5HLPPDN	1771	0.28	0.54	0.00	4.00
R6HLPPDN	1946	0.48	0.60	0.00	4.00
R7HLPPDN	2038	0.46	0.61	0.00	4.00
R8HLPPDN	1996	0.47	0.61	0.00	4.00
R9HLPPDN	1882	0.50	0.65	0.00	7.00
R10HLPPDN	2470	0.48	0.66	0.00	5.00
R11HLPPDN	2367	0.50	0.67	0.00	5.00
R12HLPPDN	2310	0.48	0.69	0.00	5.00
R13HLPPDN	2417	0.47	0.68	0.00	5.00
R14HLPPDN	1854	0.47	0.66	0.00	6.00
R15HLPPDN	1615	0.43	0.65	0.00	5.00
S2HLPPDN	286	0.33	0.51	0.00	2.00
S3HLPPDN	489	0.26	0.52	0.00	3.00
S4HLPPDN	585	0.31	0.55	0.00	3.00
S5HLPPDN	466	0.29	0.53	0.00	4.00
S6HLPPDN	500	0.44	0.60	0.00	4.00
S7HLPPDN	558	0.40	0.60	0.00	4.00
S8HLPPDN	532	0.44	0.59	0.00	4.00
S9HLPPDN	443	0.42	0.56	0.00	3.00
S10HLPPDN	727	0.41	0.63	0.00	5.00
S11HLPPDN	676	0.42	0.62	0.00	4.00
S12HLPPDN	674	0.39	0.67	0.00	5.00
S13HLPPDN	691	0.43	0.67	0.00	5.00
S14HLPPDN	504	0.46	0.68	0.00	6.00
S15HLPPDN	418	0.40	0.67	0.00	5.00
R2HLPPDIN	1294	0.14	0.36	0.00	2.00
R3HLPPDIN	1703	0.11	0.36	0.00	4.00
R4HLPPDIN	1975	0.14	0.38	0.00	3.00
R5HLPPDIN	1771	0.12	0.36	0.00	3.00
R6HLPPDIN	1862	0.13	0.38	0.00	3.00
R7HLPPDIN	1925	0.11	0.34	0.00	2.00
R8HLPPDIN	1903	0.13	0.37	0.00	3.00
R9HLPPDIN	1790	0.14	0.42	0.00	7.00
R10HLPPDIN	2396	0.13	0.38	0.00	3.00
R11HLPPDIN	2276	0.16	0.43	0.00	4.00
R12HLPPDIN	2246	0.15	0.42	0.00	5.00
R13HLPPDIN	2343	0.17	0.45	0.00	5.00
R14HLPPDIN	1796	0.17	0.47	0.00	6.00
R15HLPPDIN	1577	0.17	0.44	0.00	5.00
S2HLPPDIN	286	0.19	0.42	0.00	2.00
S3HLPPDIN	489	0.13	0.38	0.00	3.00
S4HLPPDIN	585	0.12	0.37	0.00	3.00
S5HLPPDIN	466	0.13	0.38	0.00	3.00
S6HLPPDIN	489	0.16	0.43	0.00	3.00
S7HLPPDIN	544	0.12	0.36	0.00	2.00
S8HLPPDIN	517	0.11	0.33	0.00	2.00
S9HLPPDIN	430	0.12	0.36	0.00	3.00
S10HLPPDIN	709	0.10	0.34	0.00	3.00
S11HLPPDIN	661	0.15	0.42	0.00	4.00
S12HLPPDIN	664	0.11	0.38	0.00	5.00
S13HLPPDIN	680	0.16	0.42	0.00	4.00
S14HLPPDIN	496	0.21	0.56	0.00	6.00
S15HLPPDIN	412	0.18	0.50	0.00	5.00

R2HLPPDAMT	1282	81.94	416.38	0.00	7200.00
R3HLPPDAMT	1487	73.03	367.62	0.00	4330.00
R4HLPPDAMT	1682	106.68	536.52	0.00	11000.00
R5HLPPDAMT	1525	111.70	570.25	0.00	14400.00
R6HLPPDAMT	1325	170.54	874.00	0.00	18000.00
R7HLPPDAMT	1409	137.21	628.22	0.00	10912.00
R8HLPPDAMT	1367	159.35	695.76	0.00	14000.00
R9HLPPDAMT	1277	205.72	927.89	0.00	13000.00
R10HLPPDAMT	1741	182.87	803.14	0.00	10800.00
R11HLPPDAMT	1621	203.61	930.48	0.00	11108.00
R12HLPPDAMT	1628	177.54	878.20	0.00	10800.00
R13HLPPDAMT	1728	196.88	1085.09	0.00	22000.00
R14HLPPDAMT	1331	172.29	860.54	0.00	15833.00
R15HLPPDAMT	1197	151.31	781.61	0.00	15411.00
S2HLPPDAMT	285	64.35	456.25	0.00	7200.00
S3HLPPDAMT	424	79.02	428.48	0.00	4330.00
S4HLPPDAMT	495	95.06	391.36	0.00	4330.00
S5HLPPDAMT	395	105.07	496.09	0.00	5240.00
S6HLPPDAMT	357	202.18	1152.37	0.00	18000.00
S7HLPPDAMT	424	143.53	568.53	0.00	4764.00
S8HLPPDAMT	392	213.85	936.21	0.00	14000.00
S9HLPPDAMT	326	197.89	999.28	0.00	12960.00
S10HLPPDAMT	551	141.55	617.12	0.00	7180.00
S11HLPPDAMT	511	161.91	839.11	0.00	8640.00
S12HLPPDAMT	522	114.22	649.13	0.00	8300.00
S13HLPPDAMT	512	173.41	1057.60	0.00	15000.00
S14HLPPDAMT	367	154.15	763.49	0.00	7800.00
S15HLPPDAMT	318	100.16	410.27	0.00	3060.00
R2HLPPDAMTM	1294	2.40	0.68	0.00	4.00
R3HLPPDAMTM	1703	0.00	0.02	0.00	1.00
R4HLPPDAMTM	1975	0.05	0.26	0.00	4.00
R5HLPPDAMTM	1771	0.05	0.24	0.00	2.00
R6HLPPDAMTM	2739	0.59	0.55	0.00	5.00
R7HLPPDAMTM	2905	0.60	0.55	0.00	3.00
R8HLPPDAMTM	2854	0.60	0.55	0.00	4.00
R9HLPPDAMTM	2671	0.58	0.55	0.00	3.00
R10HLPPDAMTM	3515	0.60	0.56	0.00	4.00
R11HLPPDAMTM	3310	0.59	0.54	0.00	4.00
R12HLPPDAMTM	3192	0.58	0.56	0.00	6.00
R13HLPPDAMTM	3283	0.55	0.55	0.00	5.00
R14HLPPDAMTM	2606	0.55	0.54	0.00	3.00
R15HLPPDAMTM	2228	0.49	0.52	0.00	2.00
S2HLPPDAMTM	286	2.16	0.68	0.00	4.00
S3HLPPDAMTM	489	0.00	0.05	0.00	1.00
S4HLPPDAMTM	585	0.05	0.26	0.00	3.00
S5HLPPDAMTM	466	0.04	0.20	0.00	1.00
S6HLPPDAMTM	1283	0.94	0.41	0.00	5.00
S7HLPPDAMTM	1411	0.93	0.38	0.00	2.00
S8HLPPDAMTM	1378	0.96	0.37	0.00	3.00
S9HLPPDAMTM	1216	0.94	0.37	0.00	2.00
S10HLPPDAMTM	1740	0.95	0.38	0.00	3.00
S11HLPPDAMTM	1593	0.93	0.37	0.00	3.00
S12HLPPDAMTM	1528	0.94	0.40	0.00	6.00
S13HLPPDAMTM	1506	0.92	0.39	0.00	3.00
S14HLPPDAMTM	1195	0.93	0.36	0.00	3.00
S15HLPPDAMTM	973	0.89	0.38	0.00	2.00

**How Constructed:**

The following variables indicate whether a paid helper helps the respondent with any ADL or IADL needs. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. The instrumental activities of daily living include preparing meals, grocery shopping, making phone calls, taking medications, and managing money. In the AHEAD cohort in Wave 2, the respondent is first asked whether anyone helps them with each ADL activity, then whether they have difficulty with it, and then who helps if they report receiving help with that activity. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. In Waves 3 and onward, if the respondent reports having difficulty with an ADL or IADL, then they are asked whether someone helps them with that activity. If someone helps with the activity, they are asked for the relationships of up to 7 people who help them with ADLs, up to 6 people who help them with IADLs (preparing meals, grocery shopping, making phone calls, and taking medications), and up to 2 people who help them with managing money. The respondent is asked whether each reported helper is paid, unless that helper is the respondent's spouse or an employee of an institution. The information used to derive these variables is taken from the respondent-level and helper-level HRS helper files.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL or IADL, and are coded as special missing .h if the respondent reports difficulty with an ADL or IADL but does not receive any help. They are coded as special missing .s if the respondent's spouse is the only person who helps with ADL or IADL difficulties. For the AHEAD cohort in Wave 2, these variables are assigned special missing .f if the respondent reports receiving help from someone for difficulties with ADL activities "some of the time" or "occasionally", and not "most (all) of the time". Don't know, refused, or otherwise missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwHLPPDN indicates the number of helpers who are paid to help the respondent with ADL or IADL needs. This question is asked for every helper the respondent reported helped them (children and grandchildren, relatives, non-relatives, and professionals), but is not asked for help from spouses or from employees of an institution starting in Wave 6. Employees of institutions are included in the count of helpers who are paid to help the respondent. In the AHEAD cohort in Wave 2, if the respondent is helped less than once per week, then the question is not asked and RwHLPPDN is assigned special missing .w in Wave 2. In Wave 2, RwHLPPDN is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwHLPPDN is not available in Wave 1.

SwHLPPDN indicates the number of helpers who are paid to help the respondent's current wave's spouse and is taken directly from RwHLPPDN. In addition to the special missing codes employed by RwHLPPDN, SwHLPPDN employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHLPPDIN indicates the number of paid helpers for ADLs or IADLs for whom Medicaid, the state's version of Medicaid, or insurance helps pay for. RwHLPPDIN is assigned a value of 0 if the respondent has no paid helpers for ADLs or IADLs. This question is asked for every helper the respondent reported was paid to help them (children and grandchildren, relatives, non-relatives, and professionals), but is not asked for help from spouses or from employees of an institution starting in Wave 6. As such, if the respondent's only helper is their spouse, then special missing .s is assigned, and if the respondent's only helper is an employee of an institution, then special missing .e is assigned. In the AHEAD cohort in Wave 2, if the respondent is helped less than once per week, then the question is not asked and RwHLPPDIN is assigned special missing .w in Wave 2. In Wave 2, RwHLPPDIN is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwHLPPDIN is not available in Wave 1.

SwHLPPDIN indicates the number of paid helpers of the respondent's current wave's spouse for whom Medicaid, the state's version of Medicaid, or insurance helps pay for and is taken directly from RwHLPPDIN. In addition to the special missing codes employed by RwHLPPDIN, SwHLPPDIN employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHLPPDAMT indicates the total monthly out-of-pocket cost for the respondent's paid caregiving for ADLs or IADLs. RwHLPPDAMT is the sum of the out-of-pocket monthly costs paid for all paid helpers. RwHLPPDAMT is assigned a value of 0 if the respondent has no paid helpers for ADLs or IADLs. The amount the

respondent and their spouse paid for each caregiver (not accounting expenses paid by Medicaid, the state's version of Medicaid, or insurance) is asked for every paid helper the respondent reported helped them (children and grandchildren, relatives, non-relatives, and professionals), but is not asked for help from spouses or from employees of an institution starting in Wave 6. As such, if the respondent's only helper is their spouse, then special missing .s is assigned, and if the respondent's only helper is an employee of an institution, then special missing .e is assigned. In the AHEAD cohort in Wave 2, if the respondent is helped less than once per week, then the question is not asked and RwHLPPDAMT is assigned special missing .w in Wave 2. RwHLPPDAMTM indicates the number of paid helpers who helped the respondent for whom no amount of out-of-pocket cost was reported and was not accounted for in RwHLPPDAMT, including if the helper was the respondent's spouse or an employee of an institution. In Wave 2, RwHLPPDAMT is assigned special missing .q if the respondent participated in the HRS cohort in Wave 2. RwHLPPDAMT is not available in Wave 1.

SwHLPPDAMT indicates the total monthly out-of-pocket cost for the respondent's current wave's spouse's paid caregiving, and its values are taken from RwHLPPDAMT. SwHLPPDAMTM indicates the number of paid helpers who helped the respondent's current spouse for whom no amount of out-of-pocket cost was reported and is taken from RwHLPPDAMTM. In addition to the special missing codes employed by RwHLPPDAMT and RwHLPPDAMTM, SwHLPPDAMT and SwHLPPDAMTM employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

Respondents are not asked who helps them with ADLs or IADLs at all in Wave 1 and for the HRS cohort in Wave 2. All variables listed above are not available in Wave 1.

In Wave 2 for those in the AHEAD cohort, respondents are asked to report one person who helps them with each individual ADL that they report someone helping them with. In this wave, respondents are asked whether they are able to do each IADL activity without help, and if not, are asked for the two people who help most often with preparing meals, grocery shopping, making phone calls, and taking medications, and for one person who usually helps manage money if they are not able to manage money without help. Starting in Wave 3, respondents are asked to report up to 7 people who help with ADLs, up to 6 people who help with preparing meals, grocery shopping, making phone calls, and taking medication, and up to 2 people who help with managing money.

In Wave 2, AHEAD respondents are asked whether anyone helps the respondent with each ADL prior to being asked if they have difficulty with each ADL, making this wave not completely comparable with the subsequent waves, although the coding has been adjusted to make this wave as comparable as possible.

Only in the AHEAD cohort in Wave 2, the respondent is not asked these questions if their helper helps less than once per week. In this wave, RwHLPPDN, RwHLPPDIN, and RwHLPPDAMT are assigned special missing .w in Wave 2 if the respondent is not asked these questions because their helper helps less than once per week.

Respondents are asked who helps them with ADLs or IADLs starting in the AHEAD cohorts in Wave 2 and Wave 3. As such, RwHLPPDN, RwHLPPDIN, RwHLPPDAMT, and RwHLPPDAMTM are available starting in the AHEAD cohorts in Wave 2 and Wave 3. If the respondent participated in the HRS cohort in Wave 2, then RwHLPPDN, RwHLPPDIN, RwHLPPDAMT, and RwHLPPDAMTM are assigned special missing .q in Wave 2 because they were not asked this question.

In all available waves, the respondent is not asked these questions if their spouse is their only helper, and these variables are assigned special missing .s. The respondent is also not asked these questions if their only helper is an employee of an institution starting in Wave 6, in which case, these helpers are added to the count of paid helpers in RwHLPPDN, are assigned special missing .e in RwHLPPDIN and RwHLPPDAMT, and add to the count of missing values in RwHLPPDAMTM.

### HRS Variables Used:

RAND HRS:  
 R10BATHA            r10batha:w10 r any diff-bathing, shower  
 R10BEDA            r10beda:w10 r any diff-get in/out bed



R10DRESSA r10dressa:w10 r any diff-dressing  
R10EATA r10eata:w10 r any diff-eating  
R10MEALSA r10mealsa:w10 r any diff-prepare hot meal  
R10MEDSA r10medsa:w10 r any diff-take medications  
R10MONEYA r10moneya:w10 r any diff-managing money  
R10PHONEA r10phonea:w10 r any diff-use telephone  
R10SHOPA r10shopa:w10 r any diff-shop for grocery  
R10TOILTA r10toilta:w10 r any diff-using the toilet  
R10WALKRA r10walkra:w10 r any diff-walk across room  
R11BATHA r11batha:w11 r any diff-bathing, shower  
R11BEDA r11beda:w11 r any diff-get in/out bed  
R11DRESSA r11dressa:w11 r any diff-dressing  
R11EATA r11eata:w11 r any diff-eating  
R11MEALSA r11mealsa:w11 r any diff-prepare hot meal  
R11MEDSA r11medsa:w11 r any diff-take medications  
R11MONEYA r11moneya:w11 r any diff-managing money  
R11PHONEA r11phonea:w11 r any diff-use telephone  
R11SHOPA r11shopa:w11 r any diff-shop for grocery  
R11TOILTA r11toilta:w11 r any diff-using the toilet  
R11WALKRA r11walkra:w11 r any diff-walk across room  
R12BATHA r12batha:w12 r any diff-bathing, shower  
R12BEDA r12beda:w12 r any diff-get in/out bed  
R12DRESSA r12dressa:w12 r any diff-dressing  
R12EATA r12eata:w12 r any diff-eating  
R12MEALSA r12mealsa:w12 r any diff-prepare hot meal  
R12MEDSA r12medsa:w12 r any diff-take medications  
R12MONEYA r12moneya:w12 r any diff-managing money  
R12PHONEA r12phonea:w12 r any diff-use telephone  
R12SHOPA r12shopa:w12 r any diff-shop for grocery  
R12TOILTA r12toilta:w12 r any diff-using the toilet  
R12WALKRA r12walkra:w12 r any diff-walk across room  
R13BATHA r13batha:w13 r any diff-bathing, shower  
R13BEDA r13beda:w13 r any diff-get in/out bed  
R13DRESSA r13dressa:w13 r any diff-dressing  
R13EATA r13eata:w13 r any diff-eating  
R13MEALSA r13mealsa:w13 r any diff-prepare hot meal  
R13MEDSA r13medsa:w13 r any diff-take medications  
R13MONEYA r13moneya:w13 r any diff-managing money  
R13PHONEA r13phonea:w13 r any diff-use telephone  
R13SHOPA r13shopa:w13 r any diff-shop for grocery  
R13TOILTA r13toilta:w13 r any diff-using the toilet  
R13WALKRA r13walkra:w13 r any diff-walk across room  
R14BATHA r14batha:w14 r any diff-bathing, shower  
R14BEDA r14beda:w14 r any diff-get in/out bed  
R14DRESSA r14dressa:w14 r any diff-dressing  
R14EATA r14eata:w14 r any diff-eating  
R14MEALSA r14mealsa:w14 r any diff-prepare hot meal  
R14MEDSA r14medsa:w14 r any diff-take medications  
R14MONEYA r14moneya:w14 r any diff-managing money  
R14PHONEA r14phonea:w14 r any diff-use telephone  
R14SHOPA r14shopa:w14 r any diff-shop for grocery  
R14TOILTA r14toilta:w14 r any diff-using the toilet  
R14WALKRA r14walkra:w14 r any diff-walk across room  
R15BATHA r15batha:w15 r any diff-bathing, shower  
R15BEDA r15beda:w15 r any diff-get in/out bed  
R15DRESSA r15dressa:w15 r any diff-dressing  
R15EATA r15eata:w15 r any diff-eating  
R15MEALSA r15mealsa:w15 r any diff-prepare hot meal  
R15MEDSA r15medsa:w15 r any diff-take medications  
R15MONEYA r15moneya:w15 r any diff-managing money  
R15PHONEA r15phonea:w15 r any diff-use telephone  
R15SHOPA r15shopa:w15 r any diff-shop for grocery  
R15TOILTA r15toilta:w15 r any diff-using the toilet

R15WALKRA r15walkra:w15 r any diff-walk across room  
R3BATHA r3batha:w3 r any diff-bathing, shower  
R3BEDA r3beda:w3 r any diff-get in/out bed  
R3DRESSA r3dressa:w3 r any diff-dressing  
R3EATA r3eata:w3 r any diff-eating  
R3MEALSA r3mealsa:w3 r any diff-prepare hot meal  
R3MEDSA r3medsa:w3 r any diff-take medications  
R3MONEYA r3moneya:w3 r any diff-managing money  
R3PHONEA r3phonea:w3 r any diff-use telephone  
R3SHOPA r3shopa:w3 r any diff-shop for grocery  
R3TOILTA r3toilta:w3 r any diff-using the toilet  
R3WALKRA r3walkra:w3 r any diff-walk across room  
R4BATHA r4batha:w4 r any diff-bathing, shower  
R4BEDA r4beda:w4 r any diff-get in/out bed  
R4DRESSA r4dressa:w4 r any diff-dressing  
R4EATA r4eata:w4 r any diff-eating  
R4MEALSA r4mealsa:w4 r any diff-prepare hot meal  
R4MEDSA r4medsa:w4 r any diff-take medications  
R4MONEYA r4moneya:w4 r any diff-managing money  
R4PHONEA r4phonea:w4 r any diff-use telephone  
R4SHOPA r4shopa:w4 r any diff-shop for grocery  
R4TOILTA r4toilta:w4 r any diff-using the toilet  
R4WALKRA r4walkra:w4 r any diff-walk across room  
R5BATHA r5batha:w5 r any diff-bathing, shower  
R5BEDA r5beda:w5 r any diff-get in/out bed  
R5DRESSA r5dressa:w5 r any diff-dressing  
R5EATA r5eata:w5 r any diff-eating  
R5MEALSA r5mealsa:w5 r any diff-prepare hot meal  
R5MEDSA r5medsa:w5 r any diff-take medications  
R5MONEYA r5moneya:w5 r any diff-managing money  
R5PHONEA r5phonea:w5 r any diff-use telephone  
R5SHOPA r5shopa:w5 r any diff-shop for grocery  
R5TOILTA r5toilta:w5 r any diff-using the toilet  
R5WALKRA r5walkra:w5 r any diff-walk across room  
R6BATHA r6batha:w6 r any diff-bathing, shower  
R6BEDA r6beda:w6 r any diff-get in/out bed  
R6DRESSA r6dressa:w6 r any diff-dressing  
R6EATA r6eata:w6 r any diff-eating  
R6MEALSA r6mealsa:w6 r any diff-prepare hot meal  
R6MEDSA r6medsa:w6 r any diff-take medications  
R6MONEYA r6moneya:w6 r any diff-managing money  
R6PHONEA r6phonea:w6 r any diff-use telephone  
R6SHOPA r6shopa:w6 r any diff-shop for grocery  
R6TOILTA r6toilta:w6 r any diff-using the toilet  
R6WALKRA r6walkra:w6 r any diff-walk across room  
R7BATHA r7batha:w7 r any diff-bathing, shower  
R7BEDA r7beda:w7 r any diff-get in/out bed  
R7DRESSA r7dressa:w7 r any diff-dressing  
R7EATA r7eata:w7 r any diff-eating  
R7MEALSA r7mealsa:w7 r any diff-prepare hot meal  
R7MEDSA r7medsa:w7 r any diff-take medications  
R7MONEYA r7moneya:w7 r any diff-managing money  
R7PHONEA r7phonea:w7 r any diff-use telephone  
R7SHOPA r7shopa:w7 r any diff-shop for grocery  
R7TOILTA r7toilta:w7 r any diff-using the toilet  
R7WALKRA r7walkra:w7 r any diff-walk across room  
R8BATHA r8batha:w8 r any diff-bathing, shower  
R8BEDA r8beda:w8 r any diff-get in/out bed  
R8DRESSA r8dressa:w8 r any diff-dressing  
R8EATA r8eata:w8 r any diff-eating  
R8MEALSA r8mealsa:w8 r any diff-prepare hot meal  
R8MEDSA r8medsa:w8 r any diff-take medications  
R8MONEYA r8moneya:w8 r any diff-managing money

R8PHONEA	r8phonea:w8 r any diff-use telephone
R8SHOPA	r8shopa:w8 r any diff-shop for grocery
R8TOILTA	r8toilta:w8 r any diff-using the toilet
R8WALKRA	r8walkra:w8 r any diff-walk across room
R9BATHA	r9batha:w9 r any diff-bathing, shower
R9BEDA	r9beda:w9 r any diff-get in/out bed
R9DRESSA	r9dressa:w9 r any diff-dressing
R9EATA	r9eata:w9 r any diff-eating
R9MEALSA	r9mealsa:w9 r any diff-prepare hot meal
R9MEDSA	r9medsa:w9 r any diff-take medications
R9MONEYA	r9moneya:w9 r any diff-managing money
R9PHONEA	r9phonea:w9 r any diff-use telephone
R9SHOPA	r9shopa:w9 r any diff-shop for grocery
R9TOILTA	r9toilta:w9 r any diff-using the toilet
R9WALKRA	r9walkra:w9 r any diff-walk across room

## Wave 2 AHEAD:

B768	e33. adl walk help ever
B773	e33e. walk any difficulty
B775	e34. walk who helps
B779	e35. adl dress help ever
B781	e35b. dress any difficulty
B783	e36. dress who helps
B787	e37. adl bathe help ever
B789	e37b. bathe any difficulty
B791	e38. bathe who helps
B795	e39. adl eat get help ever
B797	e39b. eat difficulty
B799	e40. eat who helps
B803	e41. adl in/out bed help ever
B805	e42. in/out bed-who helps
B811	e43c. bed any difficulty
B814	e44. adl toilet help ever
B816	e44b. toilet any difficulty
B823	e45. toilet who helps
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
B913	e54. iadls-who helps most often
B924	e55a.iadls who other helper
B948	e57. iadl money
B950	e58. money who helps

## Wave 2 AHEAD Helper:

BRELATEP	HELPER RELATION TO R
HN	HELPER NUMBER
OPN	OTHER PERSON NUMBER
OTHRHELP	OTHER HELPER RELATION TO R
V992	E60. HELPER HOW OFTEN
V993	E61. HELPER HOURS PER DAY
V994	E62. HELPER PAID?
V995	E63. MEDICAID/INSUR PAY HELPER?
V996R	HELPER: MONTHLY \$ PAID

## Wave 2 AHEAD HHLIST:

OPN	OTHER PERSON NUMBER
RELATE_F	RELATIONSHIP TO FEMALE R
RELATE_M	RELATIONSHIP TO MALE R

## Wave 2 HRS:

WN_INHH	hrs w2: # in hhold (r1/r2 only)
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## Wave 3 AHEAD:

D1870	adlck.ckpt for skipping adl series
D1877	e72f.adl walk help
D1887	e73f.adl dress help
D1897	e74f.adl bathe help

D1907 e75f.adl eat help  
 D1920 e76f.adl bed help  
 D1930 e77f.adl toilet help  
 D1961 e83.who help-11  
 D1975 e84.who help-2  
 D1984 e85.who help-3  
 D1988 e86.who help-4  
 D1992 e87.who help-5  
 D1996 e88.who help-6  
 D2000 e89.who help-7  
 D2024 e95c.iadl meals help  
 D2029 e96c.iadl groc help  
 D2034 e97c.iadl phone help  
 D2039 e98c.iadl med help  
 D2041 e99.iadls-who help,1  
 D2050 e100.iadls-who help,2  
 D2055 e101.iadls-who help,3  
 D2061 e102.iadls-who help,4  
 D2067 e103.iadls-who help,5  
 D2073 e104.iadls-who help,6  
 D2102 e106c.iadl money who help,1  
 D2107 e107. money help-1  
 D2115 e107c.iadl money who help,2  
 D2121 e108. money helper-2

## Wave 3 AHEAD Helper:

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  
 D2147 E163.HELPER INS PAY  
 D2148 E164.HELPER \$ R PAY  
 D2149 E165.HELPER, PER  
 OPN OTHER PERSON NUMBER

## Wave 3 HRS:

E1894 adlck.ckpt for skipping adl series  
 E1901 e72f.adl walk help  
 E1911 e73f.adl dress help  
 E1921 e74f.adl bathe help  
 E1931 e75f.adl eat help  
 E1944 e76f.adl bed help  
 E1954 e77f.adl toilet help  
 E1976 e83.who help-11  
 E1990 e84.who help-2  
 E1999 e85.who help-3  
 E2003 e86.who help-4  
 E2007 e87.who help-5  
 E2011 e88.who help-6  
 E2015 e89.who help-7  
 E2039 e95c.iadl meals help  
 E2044 e96c.iadl groc help  
 E2049 e97c.iadl phone help  
 E2054 e98c.iadl med help  
 E2056 e99.iadls-who help,1  
 E2065 e100.iadls-who help,2  
 E2070 e101.iadls-who help,3  
 E2076 e102.iadls-who help,4  
 E2082 e103.iadls-who help,5  
 E2088 e104.iadls-who help,6  
 E2096 e106c.iadl money who help,1  
 E2101 e107. money help-1  
 E2105 e107c.iadl money who help,2

E2109	e108. money helper-2
Wave 3 HRS Helper:	
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
E2131	E163-1. HELPER INS PAY
E2132	E164-1. HELPER \$ R PAY
E2133	E165-1. HELPER, PER
E2142	E158-2. HELPER-SP OFTEN
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
E2150	E163-2.HELPER-SP INS PAY
E2151	E164-2.HELPER-SP \$ R PAY
E2152	E165-2.HELPER-SP, PER
OPN	OTHER PERSON NUMBER
Wave 4:	
F2426	e73f.adl dress help
F2431	e72.adl walk help
F2447	e74f.adl bathe help
F2457	e75f.adl eat help
F2470	e76f.adl bed help
F2480	e77f.adl toilet help
F2502	e83.who help-11
F2502	e83.who help-11
F2516	e84.who help-2
F2516	e84.who help-2
F2525	e85.who help-3
F2525	e85.who help-3
F2529	e86.who help-4
F2529	e86.who help-4
F2533	e87.who help-5
F2533	e87.who help-5
F2537	e88.who help-6
F2537	e88.who help-6
F2541	e89.who help-7
F2541	e89.who help-7
F2565	e95c.iadl meals help
F2570	e96c.iadl groc help
F2575	e97c.iadl phone help
F2580	e98c.iadl med help
F2582	e99.iadls-who help,1
F2591	e100.iadls-who help,2
F2596	e101.iadls-who help,3
F2602	e102.iadls-who help,4
F2608	e103.iadls-who help,5
F2614	e104.iadls-who help,6
F2620	e106c.iadl money who help,1
F2621	e107. money help-1
F2624	e107c.iadl money who help,2
F2625	e108. money helper-2
F517	cs11.r in nursing home
Wave 4 Helper:	
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

F2650	E163-1. HELPER INS PAY
F2651	E164-1. HELPER \$ R PAY
F2652	E165-1. HELPER, PER
F2658	E158-2. HELPER OFTEN
F2659	E158A-2.HELPER PER WEEK
F2660	E158B-2.HELPER EVERY DAY
F2662	E159-2. HELPER HOURS
F2665	E162-2. HELPER PAID
F2666	E163-2. HELPER INS PAY
F2667	E164-2. HELPER \$ R PAY
F2668	E165-2. HELPER, PER
OPN	OTHER PERSON NUMBER

## Wave 5:

G2724	e73f.adl dress help
G2729	e72y1.adl walk help
G2745	e74f.adl bathe help
G2755	e75f.adl eat help
G2768	e76f.adl bed help
G2778	e77f.adl toilet help
G2800	e83.who help-11
G2814	e84.who help-2
G2823	e85.who help-3
G2827	e86.who help-4
G2831	e87.who help-5
G2835	e88.who help-6
G2839	e89.who help-7
G2863	e95c.iadl meals help
G2868	e96c.iadl groc help
G2873	e97c.iadl phone help
G2878	e98c.iadl med help
G2880	e99.iadls-who help-1
G2889	e100.iadls-who help-2
G2894	e101.iadls-who help-3
G2900	e102.iadls-who help-4
G2906	e103.iadls-who help-5
G2912	e104.iadls-who help-6
G2918	e106c.iadl money who help-1
G2919	e107. money help-1
G2922	e107c.iadl money who help-2
G2923	e108. money helper-2
G558	cs11.r in nursing home

## Wave 5 Helper:

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
G2958	E163-1. HELPER INS PAY
G2959	E164-1. HELPER \$ R PAY
G2960	E165-1. HELPER, PER
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
G2984	E163-2. HELPER INS PAY
G2985	E164-2. HELPER \$ R PAY
G2986	E165-2. HELPER, PER
OPN	OTHER PERSON NUMBER

## Wave 6:

HA028	r in nursing home
HG013	chkpnt: count of hg001 through hg012

HG015	help w/dress
HG020	adl walk help
HG022	adl bathe help
HG024	adl eat help
HG029	adl bed help
HG031	adl toilet help
HG032_1	who helps most- adl- 1
HG032_2	who helps- adl- 2
HG032_3	who helps- adl- 3
HG032_4	who helps- adl- 4
HG032_5	who helps- adl- 5
HG032_6	who helps- adl- 6
HG032_7	who helps- adl- 7
HG043	iadl meal preparation help
HG046	iadl groc shop help
HG049	iadl making phone calls help
HG053	iadl taking medications help
HG054_1	iadls- who helps most-1
HG054_2	iadls- who helps- 2
HG054_3	iadls- who helps- 3
HG054_4	iadls- who helps- 4
HG054_5	iadls- who helps- 5
HG054_6	iadls- who helps- 6
HG061	iadl managing money help
HG062_1	who helps manage money-1
HG062_2	who helps manage money-2
Wave 6 Helper:	
HADLNDX	adl helper index
HG069	helper relationship
HG070	freq of help given- days in last month
HG071	freq of help given- days per week
HG072	did helper help every dy
HG073	#hrs of help
HG076	helper paid to help
HG077	does ins pay
HG078	amount r/sp/p paid helper
HG079	amount r/sp/p paid helper- per
HIADLNDX	iadl helper index
HMNYNDX	money helper index
Wave 7:	
JA028	r in nursing home
JG013	chkpnt: count of jg001 through jg012
JG015	help w/dress
JG020	adl walk help
JG022	adl bathe help
JG024	adl eat help
JG029	adl bed help
JG031	adl toilet help
JG032_1	who helps most- adl- 1
JG032_2	who helps- adl- 2
JG032_3	who helps- adl- 3
JG032_4	who helps- adl- 4
JG032_5	who helps- adl- 5
JG032_6	who helps- adl- 6
JG032_7	who helps- adl- 7
JG043	iadl meal preparation help
JG046	iadl groc shop help
JG049	iadl making phone calls help
JG053	iadl taking medications help
JG054_1	iadls- who helps most-1
JG054_2	iadls- who helps- 2
JG054_3	iadls- who helps- 3
JG054_4	iadls- who helps- 4

JG054_5	iadls- who helps- 5
JG054_6	iadls- who helps- 6
JG061	iadl managing money help
JG062_1	who helps manage money-1
JG062_2	who helps manage money-2
Wave 7 Helper:	
JADLNDX	index connection to the adl table
JG069	helper relationship
JG070	freq of help given-days last month
JG071	# days helper helped
JG072	did helper help every dy
JG073	#hrs of help
JG076	helper given money to help
JG077	does ins pay
JG078	amt r/sp/p paid
JG079	amt r/sp/p paid helper
JIADLNDX	index connection to the iadl table
JMNYNDX	index connection to the money table
Wave 8:	
KA028	r in nursing home
KG013	chkpnt: count of jg001 through jg012
KG015	help w/dress
KG020	adl walk help
KG022	adl bathe help
KG024	adl eat help
KG029	adl bed help
KG031	adl toilet help
KG032_1	who helps most- adl- 1
KG032_2	who helps- adl- 2
KG032_3	who helps- adl- 3
KG032_4	who helps- adl- 4
KG032_5	who helps- adl- 5
KG032_6	who helps- adl- 6
KG032_7	who helps- adl- 7
KG043	iadl meal preparation help
KG046	iadl groc shop help
KG049	iadl making phone calls help
KG053	iadl taking medications help
KG054_1	iadls- who helps most-1
KG054_2	iadls- who helps- 2
KG054_3	iadls- who helps- 3
KG054_4	iadls- who helps- 4
KG054_5	iadls- who helps- 5
KG054_6	iadls- who helps- 6
KG061	iadl managing money help
KG062_1	who helps manage money-1
KG062_2	who helps manage money-2
Wave 8 Helper:	
KADLNDX	index connection to the adl table
KG069	helper relationship
KG070	freq of help given-days last month
KG071	# days helper helped
KG072	did helper help every dy
KG073	#hrs of help
KG076	helper given money to help
KG077	does ins pay
KG078	amt r/sp/p paid
KG079	amt r/sp/p paid helper
KIADLNDX	index connection to the iadl table
KMNYNDX	index connection to the money table
Wave 9:	
LA028	r in nursing home
LG013	chkpnt: count of lg001 through lg012



LG015	help w/dress
LG020	adl walk help
LG022	adl bathe help
LG024	adl eat help
LG029	adl bed help
LG031	adl toilet help
LG032_1	who helps most- adl- 1
LG032_2	who helps- adl- 2
LG032_3	who helps- adl- 3
LG032_4	who helps- adl- 4
LG032_5	who helps- adl- 5
LG032_6	who helps- adl- 6
LG032_7	who helps- adl- 7
LG043	iadl meal preparation help
LG046	iadl groc shop help
LG049	iadl making phone calls help
LG053	iadl taking medications help
LG054_1	iadls- who helps most-1
LG054_2	iadls- who helps- 2
LG054_3	iadls- who helps- 3
LG054_4	iadls- who helps- 4
LG054_5	iadls- who helps- 5
LG054_6	iadls- who helps- 6
LG061	iadl managing money help
LG062_1	who helps manage money-1
LG062_2	who helps manage money-2
Wave 9 Helper:	
LADLNDX	index connection to the adl table
LG069	helper relationship
LG070	freq of help given-days last month
LG071	# days helper helped
LG072	did helper help every day
LG073	#hrs of help
LG076	helper given money to help
LG077	does ins pay
LG078	amt r/sp/p paid
LG079	amt r/sp/p paid helper - per
LIADLNDX	index connection to the iadl table
LMNYNDX	index connection to the money table
Wave 10:	
MA028	r in nursing home
MG013	chkpnt: count of mg001 through mg012
MG015	help w/dress
MG020	adl walk help
MG022	adl bathe help
MG024	adl eat help
MG029	adl bed help
MG031	adl toilet help
MG032_1	who helps most- adl- 1
MG032_2	who helps- adl- 2
MG032_3	who helps- adl- 3
MG032_4	who helps- adl- 4
MG032_5	who helps- adl- 5
MG032_6	who helps- adl- 6
MG032_7	who helps- adl- 7
MG043	iadl meal preparation help
MG046	iadl groc shop help
MG049	iadl making phone calls help
MG053	iadl taking medications help
MG054_1	iadls- who helps -1
MG054_2	iadls- who helps- 2
MG054_3	iadls- who helps- 3
MG054_4	iadls- who helps- 4

MG054_5	iadls- who helps- 5
MG054_6	iadls- who helps- 6
MG061	iadl managing money help
MG062_1	who helps manage money-1
MG062_2	who helps manage money-2
Wave 10 Helper:	
MADLNDX	index connection to the adl table
MG069	helper relationship -1
MG070	freq of help given -1
MG071	# days helper helped -1
MG072	did helper help every dy -1
MG073	#hrs of help -1
MG076	helper given money to help -1
MG077	does ins pay -1
MG078	amt r/sp/p paid -1
MG079	amt r/sp/p paid helper -1
MIADLNDX	index connection to the iadl table
MMNYNDX	index connection to the money table
Wave 11:	
NA028	r in nursing home
NG013	chkpnt: count of ng001 through ng012
NG015	help w/dress
NG020	adl walk help
NG022	adl bathe help
NG024	adl eat help
NG029	adl bed help
NG031	adl toilet help
NG032_1	who helps most- adl- 1
NG032_2	who helps- adl- 2
NG032_3	who helps- adl- 3
NG032_4	who helps- adl- 4
NG032_5	who helps- adl- 5
NG032_6	who helps- adl- 6
NG032_7	who helps- adl- 7
NG043	iadl meal preparation help
NG046	iadl groc shop help
NG049	iadl making phone calls help
NG053	iadl taking medications help
NG054_1	iadls- who helps -1
NG054_2	iadls- who helps- 2
NG054_3	iadls- who helps- 3
NG054_4	iadls- who helps- 4
NG054_5	iadls- who helps- 5
NG054_6	iadls- who helps- 6
NG061	iadl managing money help
NG062_1	who helps manage money-1
NG062_2	who helps manage money-2
Wave 11 Helper:	
NADLNDX	index connection to the adl table
NG069	helper relationship
NG070	freq of help given
NG071	# days helper helped
NG072	did helper help every dy
NG073	#hrs of help
NG076	helper given money to help
NG077	does ins pay
NG078	amt r/sp/p paid
NG079	amt r/sp/p paid helper
NIADLNDX	index connection to the iadl table
NMNYNDX	index connection to the money table
Wave 12:	
OA028	r in nursing home
OG013	chkpnt: count of g001 through g012

OG015 help w/dress  
 OG020 adl walk help  
 OG022 adl bathe help  
 OG024 adl eat help  
 OG029 adl bed help  
 OG031 adl toilet help  
 OG032\_1 who helps most- adl- 1  
 OG032\_2 who helps- adl- 2  
 OG032\_3 who helps- adl- 3  
 OG032\_4 who helps- adl- 4  
 OG032\_5 who helps- adl- 5  
 OG032\_6 who helps- adl- 6  
 OG032\_7 who helps- adl- 7  
 OG043 iadl meal preparation help  
 OG046 iadl groc shop help  
 OG049 iadl making phone calls help  
 OG053 iadl taking medications help  
 OG054\_1 iadls- who helps -1  
 OG054\_2 iadls- who helps- 2  
 OG054\_3 iadls- who helps- 3  
 OG054\_4 iadls- who helps- 4  
 OG054\_5 iadls- who helps- 5  
 OG054\_6 iadls- who helps- 6  
 OG061 iadl managing money help  
 OG062\_1 who helps manage money-1  
 OG062\_2 who helps manage money-2

## Wave 12 Helper:

OADLNDX index connection to the adl table  
 OG069 helper relationship  
 OG070 freq of help given  
 OG071 # days helper helped  
 OG072 did helper help every dy  
 OG073 #hrs of help  
 OG076 helper given money to help  
 OG077 does ins pay  
 OG078 amt r/sp/p paid  
 OG079 amt r/sp/p paid helper  
 OIADLNDX index connection to the iadl table  
 OMNYNDX index connection to the money table

## Wave 13:

PA028 r in nursing home  
 PG013 chkpnt: count of g001 through g012  
 PG015 help w/dress  
 PG020 adl walk help  
 PG022 adl bathe help  
 PG024 adl eat help  
 PG029 adl bed help  
 PG031 adl toilet help  
 PG032\_1 who helps most- adl- 1  
 PG032\_2 who helps- adl- 2  
 PG032\_3 who helps- adl- 3  
 PG032\_4 who helps- adl- 4  
 PG032\_5 who helps- adl- 5  
 PG032\_6 who helps- adl- 6  
 PG032\_7 who helps- adl- 7  
 PG043 iadl meal preparation help  
 PG046 iadl groc shop help  
 PG049 iadl making phone calls help  
 PG053 iadl taking medications help  
 PG054\_1 iadls- who helps -1  
 PG054\_2 iadls- who helps- 2  
 PG054\_3 iadls- who helps- 3  
 PG054\_4 iadls- who helps- 4

PG054_5	iadls- who helps- 5
PG054_6	iadls- who helps- 6
PG061	iadl managing money help
PG062_1	who helps manage money-1
PG062_2	who helps manage money-2
Wave 13 Helper:	
PADLNDX	index connection to the adl table
PG069	helper relationship
PG070	freq of help given
PG071	# days helper helped
PG072	did helper help every dy
PG073	#hrs of help
PG076	helper given money to help
PG077	does ins pay
PG078	amt r/sp/p paid
PG079	amt r/sp/p paid helper
PIADLNDX	index connection to the iadl table
PMNYNDX	index connection to the money table
Wave 14:	
QA028	r in nursing home
QG013	chkpnt: count of g001 through g012
QG015	help w/dress
QG020	adl walk help
QG022	adl bathe help
QG024	adl eat help
QG029	adl bed help
QG031	adl toilet help
QG032_1	who helps most- adl- 1
QG032_2	who helps- adl- 2
QG032_3	who helps- adl- 3
QG032_4	who helps- adl- 4
QG032_5	who helps- adl- 5
QG032_6	who helps- adl- 6
QG032_7	who helps- adl- 7
QG043	iadl meal preparation help
QG046	iadl groc shop help
QG049	iadl making phone calls help
QG053	iadl taking medications help
QG054_1	iadls- who helps -1
QG054_2	iadls- who helps- 2
QG054_3	iadls- who helps- 3
QG054_4	iadls- who helps- 4
QG054_5	iadls- who helps- 5
QG054_6	iadls- who helps- 6
QG061	iadl managing money help
QG062_1	who helps manage money-1
QG062_2	who helps manage money-2
Wave 14 Helper:	
QADLNDX	INDEX CONNECTION TO THE ADL TABLE
QG069	HELPER RELATIONSHIP
QG070	FREQ OF HELP GIVEN
QG071	# DAYS HELPER HELPED
QG072	DID HELPER HELP EVERY DY
QG073	#HRS OF HELP
QG076	HELPER GIVEN MONEY TO HELP
QG077	DOES INS PAY
QG078	AMT R/SP/P PAID
QG079	AMT R/SP/P PAID HELPER
QIADLNDX	INDEX CONNECTION TO THE IADL TABLE
QMNYNDX	INDEX CONNECTION TO THE MONEY TABLE
Wave 15:	
RA028	r in nursing home
RG013	chkpnt: count of g001 through g012

RG015 help w/dress  
 RG020 adl walk help  
 RG022 adl bathe help  
 RG024 adl eat help  
 RG029 adl bed help  
 RG031 adl toilet help  
 RG032\_1 who helps most- adl- 1  
 RG032\_2 who helps- adl- 2  
 RG032\_3 who helps- adl- 3  
 RG032\_4 who helps- adl- 4  
 RG032\_5 who helps- adl- 5  
 RG032\_6 who helps- adl- 6  
 RG032\_7 who helps- adl- 7  
 RG043 iadl meal preparation help  
 RG046 iadl groc shop help  
 RG049 iadl making phone calls help  
 RG053 iadl taking medications help  
 RG054\_1 iadls- who helps -1  
 RG054\_2 iadls- who helps- 2  
 RG054\_3 iadls- who helps- 3  
 RG054\_4 iadls- who helps- 4  
 RG054\_5 iadls- who helps- 5  
 RG054\_6 iadls- who helps- 6  
 RG061 iadl managing money help  
 RG062\_1 who helps manage money-1  
 RG062\_2 who helps manage money-2

## Wave 15 Helper:

RADLNDX INDEX CONNECTION TO THE ADL TABLE  
 RG069 HELPER RELATIONSHIP  
 RG070 FREQ OF HELP GIVEN  
 RG071 # DAYS HELPER HELPED  
 RG072 DID HELPER HELP EVERY DY  
 RG073 #HRS OF HELP  
 RG076 HELPER GIVEN MONEY TO HELP  
 RG077 DOES INS PAY  
 RG078 AMT R/SP/P PAID  
 RG079 AMT R/SP/P PAID HELPER  
 RIADLNDX INDEX CONNECTION TO THE IADL TABLE  
 RMNYNDX INDEX CONNECTION TO THE MONEY TABLE

## **Section M: Stress**

<b>Karasek Job Content</b>
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Wave	Variable	Label	Type
08	R8SATJOB	r8satjob:w8 whether r is satisfied with their job	Categ
09	R9SATJOB	r9satjob:w9 whether r is satisfied with their job	Categ
10	R10SATJOB	r10satjob:w10 whether r is satisfied with their job	Categ
11	R11SATJOB	r11satjob:w11 whether r is satisfied with their job	Categ
12	R12SATJOB	r12satjob:w12 whether r is satisfied with their job	Categ
13	R13SATJOB	r13satjob:w13 whether r is satisfied with their job	Categ
14	R14SATJOB	r14satjob:w14 whether r is satisfied with their job	Categ
14	R14SATJOB	r14satjob:w14 whether r is satisfied with their job	Categ
15	R15SATJOB	r15satjob:w15 whether r is satisfied with their job	Categ
08	S8SATJOB	s8satjob:w8 whether s is satisfied with their job	Categ
09	S9SATJOB	s9satjob:w9 whether s is satisfied with their job	Categ
10	S10SATJOB	s10satjob:w10 whether s is satisfied with their job	Categ
11	S11SATJOB	s11satjob:w11 whether s is satisfied with their job	Categ
12	S12SATJOB	s12satjob:w12 whether s is satisfied with their job	Categ
13	S13SATJOB	s13satjob:w13 whether s is satisfied with their job	Categ
14	S14SATJOB	s14satjob:w14 whether s is satisfied with their job	Categ
15	S15SATJOB	s15satjob:w15 whether s is satisfied with their job	Categ
08	R8DEMAND	r8demand:w8 whether r's job is physically demanding	Categ
09	R9DEMAND	r9demand:w9 whether r's job is physically demanding	Categ
10	R10DEMAND	r10demand:w10 whether r's job is physically demanding	Categ
11	R11DEMAND	r11demand:w11 whether r's job is physically demanding	Categ
08	S8DEMAND	s8demand:w8 whether s's job is physically demanding	Categ
09	S9DEMAND	s9demand:w9 whether s's job is physically demanding	Categ
10	S10DEMAND	s10demand:w10 whether s's job is physically demanding	Categ
11	S11DEMAND	s11demand:w11 whether s's job is physically demanding	Categ
08	R8DESERVE	r8deserve:w8 whether r received deserved recognition from wo	Categ
09	R9DESERVE	r9deserve:w9 whether r received deserved recognition from wo	Categ
10	R10DESERVE	r10deserve:w10 whether r received deserved recognition from	Categ
11	R11DESERVE	r11deserve:w11 whether r received deserved recognition from	Categ
08	S8DESERVE	s8deserve:w8 whether s received deserved recognition from wo	Categ
09	S9DESERVE	s9deserve:w9 whether s received deserved recognition from wo	Categ
10	S10DESERVE	s10deserve:w10 whether s received deserved recognition from	Categ
11	S11DESERVE	s11deserve:w11 whether s received deserved recognition from	Categ
08	R8SALARY	r8salary:w8 whether r's salary is adequate	Categ
09	R9SALARY	r9salary:w9 whether r's salary is adequate	Categ
10	R10SALARY	r10salary:w10 whether r's salary is adequate	Categ
11	R11SALARY	r11salary:w11 whether r's salary is adequate	Categ
08	S8SALARY	s8salary:w8 whether s's salary is adequate	Categ
09	S9SALARY	s9salary:w9 whether s's salary is adequate	Categ
10	S10SALARY	s10salary:w10 whether s's salary is adequate	Categ
11	S11SALARY	s11salary:w11 whether s's salary is adequate	Categ
08	R8PROMOT	r8promot:w8 whether r's job promotion prospects are poor	Categ
09	R9PROMOT	r9promot:w9 whether r's job promotion prospects are poor	Categ
10	R10PROMOT	r10promot:w10 whether r's job promotion prospects are poor	Categ
11	R11PROMOT	r11promot:w11 whether r's job promotion prospects are poor	Categ
08	S8PROMOT	s8promot:w8 whether s's job promotion prospects are poor	Categ
09	S9PROMOT	s9promot:w9 whether s's job promotion prospects are poor	Categ
10	S10PROMOT	s10promot:w10 whether s's job promotion prospects are poor	Categ

11	S11PROMOT	s11promot:w11 whether s's job promotion prospects are poor	Categ
08	R8SECURE	r8secure:w8 whether r's job security is poor	Categ
09	R9SECURE	r9secure:w9 whether r's job security is poor	Categ
10	R10SECURE	r10secure:w10 whether r's job security is poor	Categ
11	R11SECURE	r11secure:w11 whether r's job security is poor	Categ
08	S8SECURE	s8secure:w8 whether s's job security is poor	Categ
09	S9SECURE	s9secure:w9 whether s's job security is poor	Categ
10	S10SECURE	s10secure:w10 whether s's job security is poor	Categ
11	S11SECURE	s11secure:w11 whether s's job security is poor	Categ
08	R8TIMEPRE	r8timepre:w8 whether r is under constant time pressure due t	Categ
09	R9TIMEPRE	r9timepre:w9 whether r is under constant time pressure due t	Categ
10	R10TIMEPRE	r10timepre:w10 whether r is under constant time pressure due	Categ
11	R11TIMEPRE	r11timepre:w11 whether r is under constant time pressure due	Categ
08	S8TIMEPRE	s8timepre:w8 whether s is under constant time pressure due t	Categ
09	S9TIMEPRE	s9timepre:w9 whether s is under constant time pressure due t	Categ
10	S10TIMEPRE	s10timepre:w10 whether s is under constant time pressure due	Categ
11	S11TIMEPRE	s11timepre:w11 whether s is under constant time pressure due	Categ
08	R8LTLFREE	r8ltlfree:w8 whether r has very little freedom to do work	Categ
09	R9LTLFREE	r9ltlfree:w9 whether r has very little freedom to do work	Categ
10	R10LTLFREE	r10ltlfree:w10 whether r has very little freedom to do work	Categ
11	R11LTLFREE	r11ltlfree:w11 whether r has very little freedom to do work	Categ
08	S8LTLFREE	s8ltlfree:w8 whether s has very little freedom to do work	Categ
09	S9LTLFREE	s9ltlfree:w9 whether s has very little freedom to do work	Categ
10	S10LTLFREE	s10ltlfree:w10 whether s has very little freedom to do work	Categ
11	S11LTLFREE	s11ltlfree:w11 whether s has very little freedom to do work	Categ
08	R8NSKILLS	r8nskills:w8 whether r has the opportunity to develop new sk	Categ
09	R9NSKILLS	r9nskills:w9 whether r has the opportunity to develop new sk	Categ
10	R10NSKILLS	r10nskills:w10 whether r has the opportunity to develop new	Categ
11	R11NSKILLS	r11nskills:w11 whether r has the opportunity to develop new	Categ
08	S8NSKILLS	s8nskills:w8 whether s has the opportunity to develop new sk	Categ
09	S9NSKILLS	s9nskills:w9 whether s has the opportunity to develop new sk	Categ
10	S10NSKILLS	s10nskills:w10 whether s has the opportunity to develop new	Categ
11	S11NSKILLS	s11nskills:w11 whether s has the opportunity to develop new	Categ
08	R8SUPPORT	r8support:w8 whether r received adequate support in difficul	Categ
09	R9SUPPORT	r9support:w9 whether r received adequate support in difficul	Categ
10	R10SUPPORT	r10support:w10 whether r received adequate support in diffic	Categ
11	R11SUPPORT	r11support:w11 whether r received adequate support in diffic	Categ
08	S8SUPPORT	s8support:w8 whether s received adequate support in difficul	Categ
09	S9SUPPORT	s9support:w9 whether s received adequate support in difficul	Categ
10	S10SUPPORT	s10support:w10 whether s received adequate support in diffic	Categ
11	S11SUPPORT	s11support:w11 whether s received adequate support in diffic	Categ
08	R8CONTROL	r8control:w8 whether r feels control over what happens in mo	Categ
09	R9CONTROL	r9control:w9 whether r feels control over what happens in mo	Categ
10	R10CONTROL	r10control:w10 whether r feels control over what happens in	Categ
11	R11CONTROL	r11control:w11 whether r feels control over what happens in	Categ
08	S8CONTROL	s8control:w8 whether s feels control over what happens in mo	Categ
09	S9CONTROL	s9control:w9 whether s feels control over what happens in mo	Categ
10	S10CONTROL	s10control:w10 whether s feels control over what happens in	Categ
11	S11CONTROL	s11control:w11 whether s feels control over what happens in	Categ
08	R8WORKFAST	r8workfast:w8 whether r has to work very fast	Categ



09	R9WORKFAST	r9workfast:w9 whether r has to work very fast	Categ
10	R10WORKFAST	r10workfast:w10 whether r has to work very fast	Categ
11	R11WORKFAST	r11workfast:w11 whether r has to work very fast	Categ
08	S8WORKFAST	s8workfast:w8 whether s has to work very fast	Categ
09	S9WORKFAST	s9workfast:w9 whether s has to work very fast	Categ
10	S10WORKFAST	s10workfast:w10 whether s has to work very fast	Categ
11	S11WORKFAST	s11workfast:w11 whether s has to work very fast	Categ
08	R8UPSET	r8upset:w8 whether r feels bothered or upset in their work	Categ
09	R9UPSET	r9upset:w9 whether r feels bothered or upset in their work	Categ
10	R10UPSET	r10upset:w10 whether r feels bothered or upset in their work	Categ
11	R11UPSET	r11upset:w11 whether r feels bothered or upset in their work	Categ
08	S8UPSET	s8upset:w8 whether s feels bothered or upset in their work	Categ
09	S9UPSET	s9upset:w9 whether s feels bothered or upset in their work	Categ
10	S10UPSET	s10upset:w10 whether s feels bothered or upset in their work	Categ
11	S11UPSET	s11upset:w11 whether s feels bothered or upset in their work	Categ
08	R8NCONFLIC	r8nconflic:w8 whether r is free from conflicting demands tha	Categ
09	R9NCONFLIC	r9nconflic:w9 whether r is free from conflicting demands tha	Categ
10	R10NCONFLIC	r10nconflic:w10 whether r is free from conflicting demands t	Categ
11	R11NCONFLIC	r11nconflic:w11 whether r is free from conflicting demands t	Categ
08	S8NCONFLIC	s8nconflic:w8 whether s is free from conflicting demands tha	Categ
09	S9NCONFLIC	s9nconflic:w9 whether s is free from conflicting demands tha	Categ
10	S10NCONFLIC	s10nconflic:w10 whether s is free from conflicting demands t	Categ
11	S11NCONFLIC	s11nconflic:w11 whether s is free from conflicting demands t	Categ
08	R8INTERF	r8interf:w8 whether r's job interferes with personal life	Categ
09	R9INTERF	r9interf:w9 whether r's job interferes with personal life	Categ
10	R10INTERF	r10interf:w10 whether r's job interferes with personal life	Categ
11	R11INTERF	r11interf:w11 whether r's job interferes with personal life	Categ
08	S8INTERF	s8interf:w8 whether s's job interferes with personal life	Categ
09	S9INTERF	s9interf:w9 whether s's job interferes with personal life	Categ
10	S10INTERF	s10interf:w10 whether s's job interferes with personal life	Categ
11	S11INTERF	s11interf:w11 whether s's job interferes with personal life	Categ
08	R8JOBSUM	r8jobsum:w8 r job stress summary mean score	Cont
09	R9JOBSUM	r9jobsum:w9 r job stress summary mean score	Cont
10	R10JOBSUM	r10jobsum:w10 r job stress summary mean score	Cont
11	R11JOBSUM	r11jobsum:w11 r job stress summary mean score	Cont
08	S8JOBSUM	s8jobsum:w8 s job stress summary mean score	Cont
09	S9JOBSUM	s9jobsum:w9 s job stress summary mean score	Cont
10	S10JOBSUM	s10jobsum:w10 s job stress summary mean score	Cont
11	S11JOBSUM	s11jobsum:w11 s job stress summary mean score	Cont
08	R8JOBSUMM	r8jobsumm:w8 missings in r job stress summary mean score	Cont
09	R9JOBSUMM	r9jobsumm:w9 missings in r job stress summary mean score	Cont
10	R10JOBSUMM	r10jobsumm:w10 missings in r job stress summary mean score	Cont
11	R11JOBSUMM	r11jobsumm:w11 missings in r job stress summary mean score	Cont
08	S8JOBSUMM	s8jobsumm:w8 missings in s job stress summary mean score	Cont
09	S9JOBSUMM	s9jobsumm:w9 missings in s job stress summary mean score	Cont
10	S10JOBSUMM	s10jobsumm:w10 missings in s job stress summary mean score	Cont
11	S11JOBSUMM	s11jobsumm:w11 missings in s job stress summary mean score	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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R8SATJOB	2609	1.71	0.72	1.00	4.00
R9SATJOB	2114	1.68	0.74	1.00	4.00
R10SATJOB	2897	1.63	0.73	1.00	4.00
R11SATJOB	2356	1.65	0.78	1.00	4.00
R12SATJOB	2361	1.66	0.80	1.00	4.00
R13SATJOB	2263	1.66	0.79	1.00	4.00
R14SATJOB	1838	1.61	0.76	1.00	4.00
R15SATJOB	1264	1.56	0.72	1.00	4.00
S8SATJOB	1962	1.70	0.71	1.00	4.00
S9SATJOB	1501	1.66	0.71	1.00	4.00
S10SATJOB	2065	1.60	0.71	1.00	4.00
S11SATJOB	1649	1.61	0.75	1.00	4.00
S12SATJOB	1659	1.64	0.79	1.00	4.00
S13SATJOB	1497	1.61	0.76	1.00	4.00
S14SATJOB	1199	1.59	0.73	1.00	4.00
S15SATJOB	800	1.54	0.72	1.00	4.00
R8DEMAND	2604	2.32	0.98	1.00	4.00
R9DEMAND	2106	2.36	0.99	1.00	4.00
R10DEMAND	2729	2.44	1.02	1.00	4.00
R11DEMAND	2254	2.45	1.01	1.00	4.00
S8DEMAND	1960	2.33	0.97	1.00	4.00
S9DEMAND	1499	2.36	0.99	1.00	4.00
S10DEMAND	1942	2.43	1.00	1.00	4.00
S11DEMAND	1579	2.49	1.01	1.00	4.00
R8DESERVE	2579	2.05	0.77	1.00	4.00
R9DESERVE	2095	2.02	0.79	1.00	4.00
R10DESERVE	2818	1.98	0.81	1.00	4.00
R11DESERVE	2300	2.02	0.84	1.00	4.00
S8DESERVE	1945	2.03	0.76	1.00	4.00
S9DESERVE	1492	2.02	0.78	1.00	4.00
S10DESERVE	2003	1.95	0.79	1.00	4.00
S11DESERVE	1610	2.00	0.83	1.00	4.00
R8SALARY	2577	2.25	0.81	1.00	4.00
R9SALARY	2087	2.25	0.87	1.00	4.00
R10SALARY	2828	2.25	0.87	1.00	4.00
R11SALARY	2301	2.30	0.93	1.00	4.00
S8SALARY	1947	2.23	0.81	1.00	4.00
S9SALARY	1490	2.22	0.86	1.00	4.00
S10SALARY	2015	2.20	0.85	1.00	4.00
S11SALARY	1617	2.26	0.91	1.00	4.00
R8PROMOT	2541	2.55	0.95	1.00	4.00
R9PROMOT	2038	2.53	0.99	1.00	4.00
R10PROMOT	2297	2.69	0.94	1.00	4.00
R11PROMOT	1921	2.69	0.97	1.00	4.00
S8PROMOT	1920	2.54	0.95	1.00	4.00
S9PROMOT	1461	2.54	0.99	1.00	4.00
S10PROMOT	1634	2.67	0.94	1.00	4.00
S11PROMOT	1346	2.69	0.97	1.00	4.00
R8SECURE	2580	1.86	0.83	1.00	4.00
R9SECURE	2079	1.89	0.87	1.00	4.00
R10SECURE	2629	2.02	0.86	1.00	4.00
R11SECURE	2143	2.04	0.90	1.00	4.00

S8SECURE	1946	1.84	0.81	1.00	4.00
S9SECURE	1485	1.87	0.86	1.00	4.00
S10SECURE	1871	1.99	0.86	1.00	4.00
S11SECURE	1507	2.00	0.88	1.00	4.00
R8TIMEPRE	2587	2.04	0.90	1.00	4.00
R9TIMEPRE	2086	2.00	0.92	1.00	4.00
R10TIMEPRE	2684	2.14	0.95	1.00	4.00
R11TIMEPRE	2201	2.19	0.96	1.00	4.00
S8TIMEPRE	1949	2.06	0.90	1.00	4.00
S9TIMEPRE	1490	2.03	0.91	1.00	4.00
S10TIMEPRE	1922	2.16	0.96	1.00	4.00
S11TIMEPRE	1546	2.21	0.97	1.00	4.00
R8LTLFREE	2597	1.73	0.75	1.00	4.00
R9LTLFREE	2096	1.75	0.81	1.00	4.00
R10LTLFREE	2743	1.82	0.82	1.00	4.00
R11LTLFREE	2225	1.85	0.84	1.00	4.00
S8LTLFREE	1955	1.72	0.75	1.00	4.00
S9LTLFREE	1495	1.76	0.80	1.00	4.00
S10LTLFREE	1960	1.80	0.82	1.00	4.00
S11LTLFREE	1563	1.85	0.85	1.00	4.00
R8NSKILLS	2581	2.09	0.80	1.00	4.00
R9NSKILLS	2095	2.08	0.81	1.00	4.00
R10NSKILLS	2682	2.01	0.83	1.00	4.00
R11NSKILLS	2167	2.02	0.84	1.00	4.00
S8NSKILLS	1946	2.06	0.78	1.00	4.00
S9NSKILLS	1496	2.06	0.80	1.00	4.00
S10NSKILLS	1919	1.97	0.80	1.00	4.00
S11NSKILLS	1529	2.01	0.83	1.00	4.00
R8SUPPORT	2568	2.01	0.70	1.00	4.00
R9SUPPORT	2090	1.98	0.72	1.00	4.00
R10SUPPORT	2735	1.93	0.76	1.00	4.00
R11SUPPORT	2226	1.98	0.79	1.00	4.00
S8SUPPORT	1940	2.00	0.68	1.00	4.00
S9SUPPORT	1491	1.97	0.71	1.00	4.00
S10SUPPORT	1950	1.91	0.74	1.00	4.00
S11SUPPORT	1569	1.95	0.78	1.00	4.00
R8CONTROL	2589	1.98	0.69	1.00	4.00
R9CONTROL	2092	1.96	0.74	1.00	4.00
R10CONTROL	2822	1.91	0.74	1.00	4.00
R11CONTROL	2301	1.94	0.80	1.00	4.00
S8CONTROL	1950	1.96	0.67	1.00	4.00
S9CONTROL	1490	1.94	0.73	1.00	4.00
S10CONTROL	2022	1.88	0.74	1.00	4.00
S11CONTROL	1623	1.91	0.79	1.00	4.00
R8WORKFAST	2588	2.40	0.78	1.00	4.00
R9WORKFAST	2088	2.38	0.82	1.00	4.00
R10WORKFAST	2725	2.54	0.85	1.00	4.00
R11WORKFAST	2225	2.51	0.86	1.00	4.00
S8WORKFAST	1951	2.42	0.77	1.00	4.00
S9WORKFAST	1491	2.40	0.82	1.00	4.00
S10WORKFAST	1942	2.55	0.84	1.00	4.00

S11WORKFAST	1560	2.54	0.86	1.00	4.00
R8UPSET	2590	1.87	0.72	1.00	4.00
R9UPSET	2101	1.85	0.76	1.00	4.00
R10UPSET	2784	1.89	0.75	1.00	4.00
R11UPSET	2279	1.92	0.81	1.00	4.00
S8UPSET	1949	1.88	0.71	1.00	4.00
S9UPSET	1497	1.85	0.75	1.00	4.00
S10UPSET	1987	1.89	0.76	1.00	4.00
S11UPSET	1596	1.91	0.80	1.00	4.00
R8NCONFLIC	2580	2.42	0.84	1.00	4.00
R9NCONFLIC	2081	2.35	0.87	1.00	4.00
R10NCONFLIC	2672	2.37	0.86	1.00	4.00
R11NCONFLIC	2170	2.43	0.90	1.00	4.00
S8NCONFLIC	1944	2.42	0.84	1.00	4.00
S9NCONFLIC	1483	2.37	0.87	1.00	4.00
S10NCONFLIC	1906	2.37	0.87	1.00	4.00
S11NCONFLIC	1523	2.42	0.89	1.00	4.00
R8INTERF	2594	1.81	0.78	1.00	4.00
R9INTERF	1980	1.90	0.80	1.00	4.00
R10INTERF	2778	1.92	0.81	1.00	4.00
R11INTERF	2286	1.92	0.83	1.00	4.00
S8INTERF	1951	1.82	0.79	1.00	4.00
S9INTERF	1419	1.91	0.80	1.00	4.00
S10INTERF	1986	1.94	0.82	1.00	4.00
S11INTERF	1603	1.93	0.82	1.00	4.00
R8JOBSUM	2621	2.05	0.48	1.00	4.00
R9JOBSUM	2120	2.04	0.51	1.00	4.00
R10JOBSUM	2926	2.07	0.52	1.00	4.00
R11JOBSUM	2392	2.10	0.54	1.00	4.00
S8JOBSUM	1969	2.04	0.48	1.00	4.00
S9JOBSUM	1505	2.04	0.50	1.00	4.00
S10JOBSUM	2083	2.05	0.51	1.00	4.00
S11JOBSUM	1677	2.09	0.52	1.00	4.00
R8JOBSUMM	2855	0.56	1.67	0.00	6.00
R9JOBSUMM	2344	0.64	1.79	0.00	6.00
R10JOBSUMM	3178	0.82	1.72	0.00	6.00
R11JOBSUMM	2788	1.19	2.12	0.00	6.00
S8JOBSUMM	2099	0.42	1.47	0.00	6.00
S9JOBSUMM	1613	0.44	1.52	0.00	6.00
S10JOBSUMM	2211	0.69	1.55	0.00	6.00
S11JOBSUMM	1895	1.03	1.97	0.00	6.00

### Categorical Variable Codes

Value-----	R8SATJOB	R9SATJOB	R10SATJOB
.a:does not apply			38
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	117	115	116
.m:Missing	246	230	243
.w:Not working	4758	4614	5038
1.strongly agree	1098	951	1412
2.agree	1240	954	1213
3.disagree	202	141	194
4.strongly disagree	69	68	78

Value-----	R11SATJOB	R12SATJOB	R13SATJOB	R14SATJOB	R15SATJOB
.a:does not apply	45	49	42	31	12
.c:not in self-completion m	13142	11206	14542	11407	11053
.e:Skip pattern error	58	80	90	68	138
.m:Missing	387	396	246	290	334
.w:Not working	4566	4655	3729	3512	2922
1.strongly agree	1177	1183	1135	969	694
2.agree	915	901	862	675	458
3.disagree	175	174	177	134	80
4.strongly disagree	89	103	89	60	32

Value-----	S8SATJOB	S9SATJOB	S10SATJOB
.a:does not apply			22
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	71	69	67
.m:Missing	137	112	124
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3020	2747	3057
1.strongly agree	835	682	1046
2.agree	936	683	850
3.disagree	141	97	120
4.strongly disagree	50	39	49

Value-----	S11SATJOB	S12SATJOB	S13SATJOB	S14SATJOB	S15SATJOB
.a:does not apply	34	31	25	14	9
.c:not in self-completion m	7840	6377	7998	5960	5798
.e:Skip pattern error	29	45	50	38	83
.m:Missing	212	212	130	160	180
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:Not working	2712	2688	2078	1987	1596
1.strongly agree	862	858	793	636	453
2.agree	623	614	547	447	281
3.disagree	111	118	109	85	45
4.strongly disagree	53	69	48	31	21

Value-----	R8DEMAND	R9DEMAND	R10DEMAND
.a:does not apply			202
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	110	115	114
.m:Missing	251	238	247
.w:Not working	4765	4614	5040
1.strongly disagree	619	481	589
2.disagree	881	705	850
3.agree	761	606	800
4.strongly agree	343	314	490

Value-----	R11DEMAND
.a:does not apply	145
.c:not in self-completion m	13142
.e:Skip pattern error	47
.m:Missing	389
.w:Not working	4577
1.strongly disagree	460
2.disagree	732
3.agree	653
4.strongly agree	409

Value-----	S8DEMAND	S9DEMAND	S10DEMAND
.a:does not apply			144
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	68	68	66
.m:Missing	139	114	125
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3023	2748	3058
1.strongly disagree	450	335	406
2.disagree	683	505	631
3.agree	562	436	572
4.strongly agree	265	223	333

Value-----	S11DEMAND
.a:does not apply	103
.c:not in self-completion m	7840

.e:Skip pattern error		25
.m:Missing		213
.u:not coupled		7483
.v:SP NR		595
.w:Not working		2716
1.strongly disagree		307
2.disagree		494
3.agree		475
4.strongly agree		303

Value-----		R8DESERVE	R9DESERVE	R10DESERVE
.a:does not apply				103
.c:not in self-completion m		10739	10144	13702
.e:Skip pattern error		106	108	117
.m:Missing		276	249	257
.w:Not working		4769	4621	5037
1.strongly agree		573	524	800
2.agree		1455	1113	1420
3.disagree		408	353	453
4.strongly disagree		143	105	145

Value-----		R11DESERVE
.a:does not apply		92
.c:not in self-completion m		13142
.e:Skip pattern error		53
.m:Missing		396
.w:Not working		4571
1.strongly agree		657
2.agree		1082
3.disagree		427
4.strongly disagree		134

Value-----		S8DESERVE	S9DESERVE	S10DESERVE
.a:does not apply				76
.c:not in self-completion m		6538	6211	8173
.e:Skip pattern error		62	65	75
.m:Missing		154	121	132
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
.w:Not working		3029	2751	3049
1.strongly agree		434	366	588
2.agree		1107	802	1021
3.disagree		310	252	302
4.strongly disagree		94	72	92

Value-----		S11DESERVE
.a:does not apply		70
.c:not in self-completion m		7840
.e:Skip pattern error		27
.m:Missing		215
.u:not coupled		7483
.v:SP NR		595
.w:Not working		2714
1.strongly agree		474
2.agree		747
3.disagree		310
4.strongly disagree		79

Value-----		R8SALARY	R9SALARY	R10SALARY
.a:does not apply				96
.c:not in self-completion m		10739	10144	13702
.e:Skip pattern error		106	113	112
.m:Missing		278	257	254
.w:Not working		4769	4616	5042
1.strongly agree		396	388	532
2.agree		1342	991	1313
3.disagree		625	498	723
4.strongly disagree		214	210	260

Value-----		R11SALARY
.a:does not apply		90
.c:not in self-completion m		13142
.e:Skip pattern error		51
.m:Missing		397
.w:Not working		4573
1.strongly agree		456

2.agree		995
3.disagree		553
4.strongly disagree		297

Value-----	S8SALARY	S9SALARY	S10SALARY
.a:does not apply			67
.c:not in self-completion m		6538	8173
.e:Skip pattern error		63	72
.m:Missing		152	129
.u:not coupled		6424	7804
.v:SP NR		317	722
.w:Not working		3028	3052
1.strongly agree		314	403
2.agree		1017	954
3.disagree		468	500
4.strongly disagree		148	158

Value-----	S11SALARY	
.a:does not apply		62
.c:not in self-completion m		7840
.e:Skip pattern error		25
.m:Missing		216
.u:not coupled		7483
.v:SP NR		595
.w:Not working		2716
1.strongly agree		329
2.agree		720
3.disagree		383
4.strongly disagree		185

Value-----	R8PROMOT	R9PROMOT	R10PROMOT
.a:does not apply			588
.c:not in self-completion m		10739	13702
.e:Skip pattern error		102	101
.m:Missing		314	293
.w:Not working		4773	5053
1.strongly disagree		403	269
2.disagree		757	672
3.agree		953	856
4.strongly agree		428	500

Value-----	R11PROMOT	
.a:does not apply		456
.c:not in self-completion m		13142
.e:Skip pattern error		46
.m:Missing		411
.w:Not working		4578
1.strongly disagree		257
2.disagree		527
3.agree		689
4.strongly agree		448

Value-----	S8PROMOT	S9PROMOT	S10PROMOT
.a:does not apply			424
.c:not in self-completion m		6538	8173
.e:Skip pattern error		59	66
.m:Missing		179	153
.u:not coupled		6424	7804
.v:SP NR		317	722
.w:Not working		3032	3058
1.strongly disagree		308	194
2.disagree		576	498
3.agree		719	603
4.strongly agree		317	339

Value-----	S11PROMOT	
.a:does not apply		327
.c:not in self-completion m		7840
.e:Skip pattern error		21
.m:Missing		222
.u:not coupled		7483
.v:SP NR		595
.w:Not working		2720
1.strongly disagree		182
2.disagree		365
3.agree		489

4.strongly agree | 310

Value-----	R8SECURE	R9SECURE	R10SECURE
.a:does not apply			286
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	102	103	113
.m:Missing	275	265	263
.w:Not working	4773	4626	5041
1.strongly disagree	954	792	773
2.disagree	1151	847	1216
3.agree	346	314	458
4.strongly agree	129	126	182

Value-----	R11SECURE
.a:does not apply	244
.c:not in self-completion m	13142
.e:Skip pattern error	49
.m:Missing	401
.w:Not working	4575
1.strongly disagree	646
2.disagree	941
3.agree	375
4.strongly agree	181

Value-----	S8SECURE	S9SECURE	S10SECURE
.a:does not apply			205
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	60	62	70
.m:Missing	153	128	135
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3031	2754	3054
1.strongly disagree	731	581	579
2.disagree	881	598	858
3.agree	247	225	313
4.strongly agree	87	81	121

Value-----	S11SECURE
.a:does not apply	171
.c:not in self-completion m	7840
.e:Skip pattern error	23
.m:Missing	217
.u:not coupled	7483
.v:SP NR	595
.w:Not working	2718
1.strongly disagree	472
2.disagree	670
3.agree	252
4.strongly agree	113

Value-----	R8TIMEPRE	R9TIMEPRE	R10TIMEPRE
.a:does not apply			241
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	99	110	102
.m:Missing	268	258	253
.w:Not working	4776	4619	5052
1.strongly disagree	802	728	766
2.disagree	1063	769	1054
3.agree	532	443	583
4.strongly agree	190	146	281

Value-----	R11TIMEPRE
.a:does not apply	191
.c:not in self-completion m	13142
.e:Skip pattern error	45
.m:Missing	396
.w:Not working	4579
1.strongly disagree	600
2.disagree	839
3.agree	510
4.strongly agree	252

Value-----	S8TIMEPRE	S9TIMEPRE	S10TIMEPRE
.a:does not apply			159
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	59	63	64



.m:Missing	150	123	130
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3032	2753	3060
1.strongly disagree	588	493	545
2.disagree	808	558	739
3.agree	406	335	431
4.strongly agree	147	104	207

Value-----	S11TIMEPRE
.a:does not apply	130
.c:not in self-completion m	7840
.e:Skip pattern error	23
.m:Missing	219
.u:not coupled	7483
.v:SP NR	595
.w:Not working	2718
1.strongly disagree	405
2.disagree	595
3.agree	357
4.strongly agree	189

Value-----	R8LTLFREE	R9LTLFREE	R10LTLFREE
.a:does not apply			190
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	103	110	109
.m:Missing	258	248	245
.w:Not working	4772	4619	5045
1.strongly disagree	1121	924	1095
2.disagree	1119	852	1191
3.agree	295	233	325
4.strongly agree	62	87	132

Value-----	R11LTLFREE
.a:does not apply	170
.c:not in self-completion m	13142
.e:Skip pattern error	47
.m:Missing	393
.w:Not working	4577
1.strongly disagree	865
2.disagree	952
3.agree	287
4.strongly agree	121

Value-----	S8LTLFREE	S9LTLFREE	S10LTLFREE
.a:does not apply			127
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	61	63	67
.m:Missing	144	118	124
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3030	2753	3057
1.strongly disagree	847	645	802
2.disagree	858	624	846
3.agree	200	167	218
4.strongly agree	50	59	94

Value-----	S11LTLFREE
.a:does not apply	116
.c:not in self-completion m	7840
.e:Skip pattern error	22
.m:Missing	216
.u:not coupled	7483
.v:SP NR	595
.w:Not working	2719
1.strongly disagree	608
2.disagree	672
3.agree	190
4.strongly agree	93

Value-----	R8NSKILLS	R9NSKILLS	R10NSKILLS
.a:does not apply			243
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	103	109	112
.m:Missing	274	249	253
.w:Not working	4772	4620	5042

1.strongly agree		552	479	741
2.agree		1420	1111	1325
3.disagree		440	368	458
4.strongly disagree		169	137	158

Value-----	R11NSKILLS
.a:does not apply	225
.c:not in self-completion m	13142
.e:Skip pattern error	52
.m:Missing	396
.w:Not working	4572
1.strongly agree	607
2.agree	1036
3.disagree	388
4.strongly disagree	136

Value-----	S8NSKILLS	S9NSKILLS	S10NSKILLS
.a:does not apply			161
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	62	63	70
.m:Missing	153	117	131
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3029	2753	3054
1.strongly agree	422	338	557
2.agree	1088	814	952
3.disagree	327	253	321
4.strongly disagree	109	91	89

Value-----	S11NSKILLS
.a:does not apply	148
.c:not in self-completion m	7840
.e:Skip pattern error	24
.m:Missing	218
.u:not coupled	7483
.v:SP NR	595
.w:Not working	2717
1.strongly agree	434
2.agree	744
3.disagree	258
4.strongly disagree	93

Value-----	R8SUPPORT	R9SUPPORT	R10SUPPORT
.a:does not apply			183
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	104	108	114
.m:Missing	287	254	260
.w:Not working	4771	4621	5040
1.strongly agree	525	486	774
2.agree	1586	1233	1476
3.disagree	367	291	376
4.strongly disagree	90	80	109

Value-----	R11SUPPORT
.a:does not apply	161
.c:not in self-completion m	13142
.e:Skip pattern error	51
.m:Missing	401
.w:Not working	4573
1.strongly agree	610
2.agree	1170
3.disagree	337
4.strongly disagree	109

Value-----	S8SUPPORT	S9SUPPORT	S10SUPPORT
.a:does not apply			124
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	62	63	71
.m:Missing	159	122	137
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3029	2753	3053
1.strongly agree	393	346	564
2.agree	1211	900	1065
3.disagree	282	192	255
4.strongly disagree	54	53	66

Value-----	S11SUPPORT
.a:does not apply	111
.c:not in self-completion m	7840
.e:Skip pattern error	24
.m:Missing	215
.u:not coupled	7483
.v:SP NR	595
.w:Not working	2717
1.strongly agree	446
2.agree	821
3.disagree	235
4.strongly disagree	67

Value-----	R8CONTROL	R9CONTROL	R10CONTROL
.a:does not apply			103
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	110	108	118
.m:Missing	266	252	253
.w:Not working	4765	4621	5036
1.strongly agree	561	540	824
2.agree	1594	1182	1518
3.disagree	358	294	392
4.strongly disagree	76	76	88

Value-----	R11CONTROL
.a:does not apply	90
.c:not in self-completion m	13142
.e:Skip pattern error	50
.m:Missing	397
.w:Not working	4574
1.strongly agree	700
2.agree	1152
3.disagree	339
4.strongly disagree	110

Value-----	S8CONTROL	S9CONTROL	S10CONTROL
.a:does not apply			58
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	66	63	74
.m:Missing	149	123	131
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3025	2753	3050
1.strongly agree	428	396	629
2.agree	1209	842	1057
3.disagree	267	204	277
4.strongly disagree	46	48	59

Value-----	S11CONTROL
.a:does not apply	55
.c:not in self-completion m	7840
.e:Skip pattern error	23
.m:Missing	217
.u:not coupled	7483
.v:SP NR	595
.w:Not working	2718
1.strongly agree	515
2.agree	811
3.disagree	227
4.strongly disagree	70

Value-----	R8WORKFAST	R9WORKFAST	R10WORKFAST
.a:does not apply			201
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	108	109	112
.m:Missing	267	256	252
.w:Not working	4767	4620	5042
1.strongly disagree	279	292	273
2.disagree	1206	886	1074
3.agree	896	739	1011
4.strongly agree	207	171	367

Value-----	R11WORKFAST
.a:does not apply	167
.c:not in self-completion m	13142

.e:Skip pattern error		48
.m:Missing		396
.w:Not working		4576
1.strongly disagree		246
2.disagree		893
3.agree		791
4.strongly agree		295

Value-----		S8WORKFAST	S9WORKFAST	S10WORKFAST
.a:does not apply				142
.c:not in self-completion m		6538	6211	8173
.e:Skip pattern error		64	64	71
.m:Missing		148	122	127
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
.w:Not working		3027	2752	3053
1.strongly disagree		184	196	179
2.disagree		923	624	772
3.agree		686	548	731
4.strongly agree		158	123	260

Value-----		S11WORKFAST
.a:does not apply		121
.c:not in self-completion m		7840
.e:Skip pattern error		23
.m:Missing		214
.u:not coupled		7483
.v:SP NR		595
.w:Not working		2718
1.strongly disagree		160
2.disagree		624
3.agree		554
4.strongly agree		222

Value-----		R8UPSET	R9UPSET	R10UPSET
.a:does not apply				144
.c:not in self-completion m		10739	10144	13702
.e:Skip pattern error		105	110	109
.m:Missing		265	243	250
.w:Not working		4770	4619	5045
1.strongly disagree		810	733	873
2.disagree		1359	1017	1438
3.agree		371	291	384
4.strongly agree		50	60	89

Value-----		R11UPSET
.a:does not apply		115
.c:not in self-completion m		13142
.e:Skip pattern error		48
.m:Missing		394
.w:Not working		4576
1.strongly disagree		749
2.disagree		1068
3.agree		365
4.strongly agree		97

Value-----		S8UPSET	S9UPSET	S10UPSET
.a:does not apply				94
.c:not in self-completion m		6538	6211	8173
.e:Skip pattern error		63	65	63
.m:Missing		150	116	130
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
.w:Not working		3028	2751	3061
1.strongly disagree		592	512	631
2.disagree		1043	741	1014
3.agree		278	201	276
4.strongly agree		36	43	66

Value-----		S11UPSET
.a:does not apply		81
.c:not in self-completion m		7840
.e:Skip pattern error		24
.m:Missing		218
.u:not coupled		7483
.v:SP NR		595

.w:Not working		2717
1.strongly disagree		513
2.disagree		777
3.agree		237
4.strongly agree		69

Value-----		R8NCONFLIC	R9NCONFLIC	R10NCONFLIC
.a:does not apply				256
.c:not in self-completion m		10739	10144	13702
.e:Skip pattern error		110	112	110
.m:Missing		275	263	250
.w:Not working		4765	4617	5044
1.strongly agree		339	351	429
2.agree		1086	855	1079
3.disagree		897	676	916
4.strongly disagree		258	199	248

Value-----		R11NCONFLIC
.a:does not apply		221
.c:not in self-completion m		13142
.e:Skip pattern error		48
.m:Missing		397
.w:Not working		4576
1.strongly agree		355
2.agree		778
3.disagree		783
4.strongly disagree		254

Value-----		S8NCONFLIC	S9NCONFLIC	S10NCONFLIC
.a:does not apply				177
.c:not in self-completion m		6538	6211	8173
.e:Skip pattern error		65	66	66
.m:Missing		155	130	128
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
.w:Not working		3026	2750	3058
1.strongly agree		254	239	318
2.agree		797	601	746
3.disagree		707	497	664
4.strongly disagree		186	146	178

Value-----		S11NCONFLIC
.a:does not apply		151
.c:not in self-completion m		7840
.e:Skip pattern error		22
.m:Missing		221
.u:not coupled		7483
.v:SP NR		595
.w:Not working		2719
1.strongly agree		255
2.agree		543
3.disagree		557
4.strongly disagree		168

Value-----		R8INTERF	R9INTERF	R10INTERF
.a:does not apply			121	150
.c:not in self-completion m		10739	10144	13702
.e:Skip pattern error		112	118	105
.m:Missing		261	243	250
.w:Not working		4763	4611	5049
1.strongly disagree		1000	662	904
2.disagree		1166	938	1295
3.agree		343	300	464
4.strongly agree		85	80	115

Value-----		R11INTERF
.a:does not apply		119
.c:not in self-completion m		13142
.e:Skip pattern error		58
.m:Missing		383
.w:Not working		4566
1.strongly disagree		776
2.disagree		1009
3.agree		400
4.strongly agree		101

Value-----	S8INTERF	S9INTERF	S10INTERF
.a:does not apply		76	93
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	66	69	61
.m:Missing	148	118	132
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3025	2747	3063
1.strongly disagree	744	464	639
2.disagree	881	678	917
3.agree	259	220	343
4.strongly agree	67	57	87

Value-----	S11INTERF
.a:does not apply	77
.c:not in self-completion m	7840
.e:Skip pattern error	27
.m:Missing	215
.u:not coupled	7483
.v:SP NR	595
.w:Not working	2714
1.strongly disagree	530
2.disagree	725
3.agree	275
4.strongly agree	73

### How Constructed:

RwSATJOB indicates how much the respondent agrees that they are satisfied with their job, all things considered.

RwDEMAND indicates how much the respondent agrees that their job is physically demanding.

RwDESERVE indicates how much the respondent agrees that they receive the recognition they deserve from work.

RwSALARY indicates how much the respondent agrees that their salary is adequate.

RwPROMOT indicates how much the respondent agrees that their job promotion prospects are poor.

RwSECURE indicates how much the respondent agrees that their job security is poor.

RwTIMEPRE indicates how much the respondent agrees that their job is under constant time pressure due to a heavy workload.

RwLTLFREE indicates how much the respondent agrees that they have very little freedom to decide how to do the work.

RwNSKILLS indicates how much the respondent agrees that they have the opportunity to develop new skills.

RwSUPPORT indicates how much the respondent agrees that they receive adequate support in difficult situations.

RwCONTROL indicates how much the respondent agrees that they feel they have control over what happens in most situations at work.

RwWORKFAST indicates how much the respondent agrees that they have to work very fast after considering the things they have to do at work.

RwUPSET indicates how much the respondent agrees that they often feel bothered or upset by their work.

RwNCONFLIC indicates how much the respondent agrees that they are free from conflicting demands that others make in their work.

RwINTERF indicates how much the respondent agrees that their job interferes with their personal life.

These variables are coded so that a higher score indicates a higher level of stress from their job. RwsATJOB, RwsDESERVE, RwsSALARY, RwsNSKILLS, RwsSUPPORT, RwsCONTROL, and RwsNCONFLIC are coded as follows: 1.strongly agree, 2.agree, 3.disagree, 4.strongly disagree. RwsDEMAND, RwsPROMOT, RwsSECURE, RwsTIMEPRE, RwsLTLFREE, RwsWORKFAST, RwsUPSET, and RwsINTERF are coded as follows: 1.strongly disagree, 2.disagree, 3.agree, 4.strongly agree. Special missing .w is assigned if the respondent indicates they are not currently working. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .a is assigned if the respondent reports that the statement does not apply to them. Special missing .e is assigned if the respondent answered the question when they reported not working. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwSATJOB, SwDEMAND, SwDESERVE, SwSALARY, SwPROMOT, SwSECURE, SwTIMEPRE, SwLTLFREE, SwNSKILLS, SwSUPPORT, SwCONTROL, SwWORKFAST, SwUPSET, SwNCONFLIC and SwINTERF indicate the current wave's spouse's level of agreement with statements about their job and are taken from the spouse's values to RwsATJOB, RwsDEMAND, RwsDESERVE, RwsSALARY, RwsPROMOT, RwsSECURE, RwsTIMEPRE, RwsLTLFREE, RwsNSKILLS, RwsSUPPORT, RwsCONTROL, RwsWORKFAST, RwsUPSET, RwsNCONFLIC and RwsINTERF. In addition to the special missing codes used in RwsATJOB, RwsDEMAND, RwsDESERVE, RwsSALARY, RwsPROMOT, RwsSECURE, RwsTIMEPRE, RwsLTLFREE, RwsNSKILLS, RwsSUPPORT, RwsCONTROL, RwsWORKFAST, RwsUPSET, RwsNCONFLIC and RwsINTERF, SwSATJOB, SwDEMAND, SwDESERVE, SwSALARY, SwPROMOT, SwSECURE, SwTIMEPRE, SwLTLFREE, SwNSKILLS, SwSUPPORT, SwCONTROL, SwWORKFAST, SwUPSET, SwNCONFLIC and SwINTERF employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwJOBSUM indicates the mean of the six different job stress questions (RwsATJOB, RwsDEMAND, RwsSALARY, RwsSECURE, RwsTIMEPRE and RwsNSKILLS) and can be used as a summary score. RwJOBSUM is coded so that higher scores indicate more stress that the respondent feels about their job. RwJOBSUM is calculated for any respondent with at least one non-missing value for its six components. RwJOBSUMM counts the number of components with missing values in RwJOBSUM, which could be between no missing components (0) and six missing components (6). Special missing .w is assigned to RwJOBSUM and RwJOBSUMM if the respondent indicates they are not currently working. Special missing .c is assigned to RwJOBSUM and RwJOBSUMM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .a is assigned to RwJOBSUM if the respondent reports that the statement does not apply to them. Special missing .e is assigned to RwJOBSUM if the respondent answered the question when they reported not working. Special missing .m is assigned to RwJOBSUM if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwJOBSUM and SwJOBSUMM indicate the mean summary score of six different job stress questions and the count of any missing components in that score for the current wave's spouse and is taken from the spouse's values to RwJOBSUM and RwJOBSUMM. In addition to the special missing codes used in RwJOBSUM and RwJOBSUMM, SwJOBSUM and SwJOBSUMM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The Karasek Job Content questions were added to the HRS survey starting at Wave 8.

Starting in Wave 9, "Does not apply" is available as an option for the question "The demands of my job interfere with my personal life."

Starting in Wave 10, HRS added one more option, "Does not apply", for the respondent to select for all statements.

RwsATJOB, which indicates how much the respondent agrees that they are satisfied with their job all things considered, is the only question asked starting in Wave 12. Thus, RwJOBSUM is not able to be generated starting in Wave 12.

## HRS Variables Used:

## Wave 8:

KLB045 q45. currently working  
 KLB050A q50a. satisfied with job  
 KLB050B q50b. job is physically demanding  
 KLB050C q50c. recognition for work  
 KLB050D q50d. salary is adequate  
 KLB050E q50e. job promotion prospects are poor  
 KLB050F q50f. job security is poor  
 KLB050G q50g. pressure due to a heavy workload  
 KLB050H q50h. little freedom how work done  
 KLB050I q50i. opportunity to develop new skills  
 KLB050J q50j. adequate support in diff situ  
 KLB050K q50k. have control over what happens  
 KLB050L q50l. have to work very fast  
 KLB050M q50m. feel bothered or upset in work  
 KLB050N q50n. free from conflictiong demands  
 KLB050O q50o. job interferes with personal life  
 KLBCOMP mode completed leave behind qnaire

## Wave 9:

LLB045 q45. currently working  
 LLB050A q50a. satisfied with job  
 LLB050B q50b. job is physically demanding  
 LLB050C q50c. recognition for work  
 LLB050D q50d. salary is adequate  
 LLB050E q50e. job promotion prospects are poor  
 LLB050F q50f. job security is poor  
 LLB050G q50g. pressure due to a heavy workload  
 LLB050H q50h. little freedom how work done  
 LLB050I q50i. opportunity to develop new skills  
 LLB050J q50j. adequate support in diff situ  
 LLB050K q50k. have control over what happens  
 LLB050L q50l. have to work very fast  
 LLB050M q50m. feel bothered or upset in work  
 LLB050N q50n. free from conflictiong demands  
 LLB050O q50o. job interferes with personal life  
 LLBCOMP mode completed leave behind qnaire

## Wave 10:

MLB045 q45. currently working  
 MLB050A q50a. satisfied with job  
 MLB050B q50b. job is physically demanding  
 MLB050C q50c. recognition for work  
 MLB050D q50d. salary is adequate  
 MLB050E q50e. job promotion prospects are poor  
 MLB050F q50f. job security is poor  
 MLB050G q50g. pressure due to a heavy workload  
 MLB050H q50h. little freedom how work done  
 MLB050I q50i. opportunity to develop new skills  
 MLB050J q50j. adequate support in diff situ  
 MLB050K q50k. have control over what happens  
 MLB050L q50l. have to work very fast  
 MLB050M q50m. feel bothered or upset in work  
 MLB050N q50n. free from conflictiong demands  
 MLB050O q50o. job interferes with personal life  
 MLBCOMP mode completed leave behind qnaire

## Wave 11:

NLB079 q79. currently working  
 NLB084A q84a. satisfied with job  
 NLB084B q84b. job is physically demanding  
 NLB084C q84c. recognition for work  
 NLB084D q84d. salary is adequate  
 NLB084E q84e. job promotion prospects are poor  
 NLB084F q84f. job security is poor  
 NLB084G q84g. pressure due to a heavy workload



NLB084H	q84h. little freedom how work done
NLB084I	q84i. opportunity to develop new skills
NLB084J	q84j. adequate support in diff situ
NLB084K	q84k. have control over what happens
NLB084L	q84l. have to work very fast
NLB084M	q84m. feel bothered or upset in work
NLB084N	q84n. free from conflictiong demands
NLB084O	q84o. job interferes with personal life
NLBCOMP	mode completed leave behind qnaire
Wave 12:	
OLB072	q72. currently working
OLB076	q76. satisfied with job
OLBCOMP	mode completed leave behind qnaire
Wave 13:	
PLB072	q72. currently working
PLB076	q76. satisfied with job
PLBCOMP	mode completed leave behind qnaire
Wave 14:	
QLB072	q72. currently working
QLB076	q76. satisfied with job
QLBCOMP	mode completed leave behind qnaire
Wave 15:	
RLB054	q54. how satisfied with job
RLB072	q72. work for pay
RLBCOMP	mode completed leave behind qnaire

<b>Neighborhood Physical Disorder/Neighborhood Social Cohesion</b>
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Wave	Variable	Label	Type
08	R8BELONG	r8belong:w8 whether r feels part of/doesn't belong in this a	Cont
09	R9BELONG	r9belong:w9 whether r feels part of/doesn't belong in this a	Cont
10	R10BELONG	r10belong:w10 whether r feels part of/doesn't belong in this a	Cont
11	R11BELONG	r11belong:w11 whether r feels part of/doesn't belong in this a	Cont
12	R12BELONG	r12belong:w12 whether r feels part of/doesn't belong in this a	Cont
13	R13BELONG	r13belong:w13 whether r feels part of/doesn't belong in this a	Cont
14	R14BELONG	r14belong:w14 whether r feels part of/doesn't belong in this a	Cont
15	R15BELONG	r15belong:w15 whether r feels part of/doesn't belong in this a	Cont
08	S8BELONG	s8belong:w8 whether s feels part of/doesn't belong in this a	Cont
09	S9BELONG	s9belong:w9 whether s feels part of/doesn't belong in this a	Cont
10	S10BELONG	s10belong:w10 whether s feels part of/doesn't belong in this a	Cont
11	S11BELONG	s11belong:w11 whether s feels part of/doesn't belong in this a	Cont
12	S12BELONG	s12belong:w12 whether s feels part of/doesn't belong in this a	Cont
13	S13BELONG	s13belong:w13 whether s feels part of/doesn't belong in this a	Cont
14	S14BELONG	s14belong:w14 whether s feels part of/doesn't belong in this a	Cont
15	S15BELONG	s15belong:w15 whether s feels part of/doesn't belong in this a	Cont
08	R8VANDAL	r8vandal:w8 whether r feels vandalism is no problem/big prob	Cont
09	R9VANDAL	r9vandal:w9 whether r feels vandalism is no problem/big prob	Cont
10	R10VANDAL	r10vandal:w10 whether r feels vandalism is no problem/big pr	Cont
11	R11VANDAL	r11vandal:w11 whether r feels vandalism is no problem/big pr	Cont
12	R12VANDAL	r12vandal:w12 whether r feels vandalism is no problem/big pr	Cont
13	R13VANDAL	r13vandal:w13 whether r feels vandalism is no problem/big pr	Cont
14	R14VANDAL	r14vandal:w14 whether r feels vandalism is no problem/big pr	Cont
15	R15VANDAL	r15vandal:w15 whether r feels vandalism is no problem/big pr	Cont
08	S8VANDAL	s8vandal:w8 whether s feels vandalism is no problem/big prob	Cont
09	S9VANDAL	s9vandal:w9 whether s feels vandalism is no problem/big prob	Cont
10	S10VANDAL	s10vandal:w10 whether s feels vandalism is no problem/big pr	Cont
11	S11VANDAL	s11vandal:w11 whether s feels vandalism is no problem/big pr	Cont
12	S12VANDAL	s12vandal:w12 whether s feels vandalism is no problem/big pr	Cont
13	S13VANDAL	s13vandal:w13 whether s feels vandalism is no problem/big pr	Cont
14	S14VANDAL	s14vandal:w14 whether s feels vandalism is no problem/big pr	Cont
15	S15VANDAL	s15vandal:w15 whether s feels vandalism is no problem/big pr	Cont
08	R8TRUST	r8trust:w8 whether r feels people can be/can't be trusted in	Cont
09	R9TRUST	r9trust:w9 whether r feels people can be/can't be trusted in	Cont
10	R10TRUST	r10trust:w10 whether r feels people can be/can't be trusted	Cont
11	R11TRUST	r11trust:w11 whether r feels people can be/can't be trusted	Cont
12	R12TRUST	r12trust:w12 whether r feels people can be/can't be trusted	Cont
13	R13TRUST	r13trust:w13 whether r feels people can be/can't be trusted	Cont
14	R14TRUST	r14trust:w14 whether r feels people can be/can't be trusted	Cont
15	R15TRUST	r15trust:w15 whether r feels people can be/can't be trusted	Cont
08	S8TRUST	s8trust:w8 whether s feels people can be/can't be trusted in	Cont
09	S9TRUST	s9trust:w9 whether s feels people can be/can't be trusted in	Cont
10	S10TRUST	s10trust:w10 whether s feels people can be/can't be trusted	Cont
11	S11TRUST	s11trust:w11 whether s feels people can be/can't be trusted	Cont
12	S12TRUST	s12trust:w12 whether s feels people can be/can't be trusted	Cont
13	S13TRUST	s13trust:w13 whether s feels people can be/can't be trusted	Cont
14	S14TRUST	s14trust:w14 whether s feels people can be/can't be trusted	Cont
15	S15TRUST	s15trust:w15 whether s feels people can be/can't be trusted	Cont
08	R8AFWALK	r8afwalk:w8 whether r feels safe/afraid walking alone in thi	Cont
09	R9AFWALK	r9afwalk:w9 whether r feels safe/afraid walking alone in thi	Cont
10	R10AFWALK	r10afwalk:w10 whether r feels safe/afraid walking alone in t	Cont

11	R11AFWALK	r11afwalk:w11	whether r feels safe/afraid walking alone in t	Cont
12	R12AFWALK	r12afwalk:w12	whether r feels safe/afraid walking alone in t	Cont
13	R13AFWALK	r13afwalk:w13	whether r feels safe/afraid walking alone in t	Cont
14	R14AFWALK	r14afwalk:w14	whether r feels safe/afraid walking alone in t	Cont
15	R15AFWALK	r15afwalk:w15	whether r feels safe/afraid walking alone in t	Cont
08	S8AFWALK	s8afwalk:w8	whether s feels safe/afraid walking alone in thi	Cont
09	S9AFWALK	s9afwalk:w9	whether s feels safe/afraid walking alone in thi	Cont
10	S10AFWALK	s10afwalk:w10	whether s feels safe/afraid walking alone in t	Cont
11	S11AFWALK	s11afwalk:w11	whether s feels safe/afraid walking alone in t	Cont
12	S12AFWALK	s12afwalk:w12	whether s feels safe/afraid walking alone in t	Cont
13	S13AFWALK	s13afwalk:w13	whether s feels safe/afraid walking alone in t	Cont
14	S14AFWALK	s14afwalk:w14	whether s feels safe/afraid walking alone in t	Cont
15	S15AFWALK	s15afwalk:w15	whether s feels safe/afraid walking alone in t	Cont
08	R8UNFRIEND	r8unfriend:w8	whether r feels people are friendly/unfriendly	Cont
09	R9UNFRIEND	r9unfriend:w9	whether r feels people are friendly/unfriendly	Cont
10	R10UNFRIEND	r10unfriend:w10	whether r feels people are friendly/unfriend	Cont
11	R11UNFRIEND	r11unfriend:w11	whether r feels people are friendly/unfriend	Cont
12	R12UNFRIEND	r12unfriend:w12	whether r feels people are friendly/unfriend	Cont
13	R13UNFRIEND	r13unfriend:w13	whether r feels people are friendly/unfriend	Cont
14	R14UNFRIEND	r14unfriend:w14	whether r feels people are friendly/unfriend	Cont
15	R15UNFRIEND	r15unfriend:w15	whether r feels people are friendly/unfriend	Cont
08	S8UNFRIEND	s8unfriend:w8	whether s feels people are friendly/unfriendly	Cont
09	S9UNFRIEND	s9unfriend:w9	whether s feels people are friendly/unfriendly	Cont
10	S10UNFRIEND	s10unfriend:w10	whether s feels people are friendly/unfriend	Cont
11	S11UNFRIEND	s11unfriend:w11	whether s feels people are friendly/unfriend	Cont
12	S12UNFRIEND	s12unfriend:w12	whether s feels people are friendly/unfriend	Cont
13	S13UNFRIEND	s13unfriend:w13	whether s feels people are friendly/unfriend	Cont
14	S14UNFRIEND	s14unfriend:w14	whether s feels people are friendly/unfriend	Cont
15	S15UNFRIEND	s15unfriend:w15	whether s feels people are friendly/unfriend	Cont
08	R8RUBBISH	r8rubbish:w8	whether r feels this area is clean/full of rubb	Cont
09	R9RUBBISH	r9rubbish:w9	whether r feels this area is clean/full of rubb	Cont
10	R10RUBBISH	r10rubbish:w10	whether r feels this area is clean/full of ru	Cont
11	R11RUBBISH	r11rubbish:w11	whether r feels this area is clean/full of ru	Cont
12	R12RUBBISH	r12rubbish:w12	whether r feels this area is clean/full of ru	Cont
13	R13RUBBISH	r13rubbish:w13	whether r feels this area is clean/full of ru	Cont
14	R14RUBBISH	r14rubbish:w14	whether r feels this area is clean/full of ru	Cont
15	R15RUBBISH	r15rubbish:w15	whether r feels this area is clean/full of ru	Cont
08	S8RUBBISH	s8rubbish:w8	whether s feels this area is clean/full of rubb	Cont
09	S9RUBBISH	s9rubbish:w9	whether s feels this area is clean/full of rubb	Cont
10	S10RUBBISH	s10rubbish:w10	whether s feels this area is clean/full of ru	Cont
11	S11RUBBISH	s11rubbish:w11	whether s feels this area is clean/full of ru	Cont
12	S12RUBBISH	s12rubbish:w12	whether s feels this area is clean/full of ru	Cont
13	S13RUBBISH	s13rubbish:w13	whether s feels this area is clean/full of ru	Cont
14	S14RUBBISH	s14rubbish:w14	whether s feels this area is clean/full of ru	Cont
15	S15RUBBISH	s15rubbish:w15	whether s feels this area is clean/full of ru	Cont
08	R8HLPNTR	r8hlpntr:w8	whether r feels people will help/won't help in t	Cont
09	R9HLPNTR	r9hlpntr:w9	whether r feels people will help/won't help in t	Cont
10	R10HLPNTR	r10hlpntr:w10	whether r feels people will help/won't help in	Cont
11	R11HLPNTR	r11hlpntr:w11	whether r feels people will help/won't help in	Cont
12	R12HLPNTR	r12hlpntr:w12	whether r feels people will help/won't help in	Cont
13	R13HLPNTR	r13hlpntr:w13	whether r feels people will help/won't help in	Cont
14	R14HLPNTR	r14hlpntr:w14	whether r feels people will help/won't help in	Cont
15	R15HLPNTR	r15hlpntr:w15	whether r feels people will help/won't help in	Cont
08	S8HLPNTR	s8hlpntr:w8	whether s feels people will help/won't help in t	Cont
09	S9HLPNTR	s9hlpntr:w9	whether s feels people will help/won't help in t	Cont
10	S10HLPNTR	s10hlpntr:w10	whether s feels people will help/won't help in	Cont

11	S11HLPNTR	s11hlpntr:w11	whether s feels people will help/won't help in	Cont
12	S12HLPNTR	s12hlpntr:w12	whether s feels people will help/won't help in	Cont
13	S13HLPNTR	s13hlpntr:w13	whether s feels people will help/won't help in	Cont
14	S14HLPNTR	s14hlpntr:w14	whether s feels people will help/won't help in	Cont
15	S15HLPNTR	s15hlpntr:w15	whether s feels people will help/won't help in	Cont
08	R8VACANT	r8vacant:w8	whether r feels no/many vacant or deserted house	Cont
09	R9VACANT	r9vacant:w9	whether r feels no/many vacant or deserted house	Cont
10	R10VACANT	r10vacant:w10	whether r feels no/many vacant or deserted hou	Cont
11	R11VACANT	r11vacant:w11	whether r feels no/many vacant or deserted hou	Cont
12	R12VACANT	r12vacant:w12	whether r feels no/many vacant or deserted hou	Cont
13	R13VACANT	r13vacant:w13	whether r feels no/many vacant or deserted hou	Cont
14	R14VACANT	r14vacant:w14	whether r feels no/many vacant or deserted hou	Cont
15	R15VACANT	r15vacant:w15	whether r feels no/many vacant or deserted hou	Cont
08	S8VACANT	s8vacant:w8	whether s feels no/many vacant or deserted house	Cont
09	S9VACANT	s9vacant:w9	whether s feels no/many vacant or deserted house	Cont
10	S10VACANT	s10vacant:w10	whether s feels no/many vacant or deserted hou	Cont
11	S11VACANT	s11vacant:w11	whether s feels no/many vacant or deserted hou	Cont
12	S12VACANT	s12vacant:w12	whether s feels no/many vacant or deserted hou	Cont
13	S13VACANT	s13vacant:w13	whether s feels no/many vacant or deserted hou	Cont
14	S14VACANT	s14vacant:w14	whether s feels no/many vacant or deserted hou	Cont
15	S15VACANT	s15vacant:w15	whether s feels no/many vacant or deserted hou	Cont
08	R8NPDISUM	r8npdisum:w8	r neighborhood physical disorder summary mean s	Cont
09	R9NPDISUM	r9npdisum:w9	r neighborhood physical disorder summary mean s	Cont
10	R10NPDISUM	r10npdisum:w10	r neighborhood physical disorder summary mean	Cont
11	R11NPDISUM	r11npdisum:w11	r neighborhood physical disorder summary mean	Cont
12	R12NPDISUM	r12npdisum:w12	r neighborhood physical disorder summary mean	Cont
13	R13NPDISUM	r13npdisum:w13	r neighborhood physical disorder summary mean	Cont
14	R14NPDISUM	r14npdisum:w14	r neighborhood physical disorder summary mean	Cont
15	R15NPDISUM	r15npdisum:w15	r neighborhood physical disorder summary mean	Cont
08	S8NPDISUM	s8npdisum:w8	s neighborhood physical disorder summary mean s	Cont
09	S9NPDISUM	s9npdisum:w9	s neighborhood physical disorder summary mean s	Cont
10	S10NPDISUM	s10npdisum:w10	s neighborhood physical disorder summary mean	Cont
11	S11NPDISUM	s11npdisum:w11	s neighborhood physical disorder summary mean	Cont
12	S12NPDISUM	s12npdisum:w12	s neighborhood physical disorder summary mean	Cont
13	S13NPDISUM	s13npdisum:w13	s neighborhood physical disorder summary mean	Cont
14	S14NPDISUM	s14npdisum:w14	s neighborhood physical disorder summary mean	Cont
15	S15NPDISUM	s15npdisum:w15	s neighborhood physical disorder summary mean	Cont
08	R8NPDISUMM	r8npdisumm:w8	missings in r neighborhood physical disorder s	Cont
09	R9NPDISUMM	r9npdisumm:w9	missings in r neighborhood physical disorder s	Cont
10	R10NPDISUMM	r10npdisumm:w10	missings in r neighborhood physical disorder	Cont
11	R11NPDISUMM	r11npdisumm:w11	missings in r neighborhood physical disorder	Cont
12	R12NPDISUMM	r12npdisumm:w12	missings in r neighborhood physical disorder	Cont
13	R13NPDISUMM	r13npdisumm:w13	missings in r neighborhood physical disorder	Cont
14	R14NPDISUMM	r14npdisumm:w14	missings in r neighborhood physical disorder	Cont
15	R15NPDISUMM	r15npdisumm:w15	missings in r neighborhood physical disorder	Cont
08	S8NPDISUMM	s8npdisumm:w8	missings in s neighborhood physical disorder s	Cont
09	S9NPDISUMM	s9npdisumm:w9	missings in s neighborhood physical disorder s	Cont
10	S10NPDISUMM	s10npdisumm:w10	missings in s neighborhood physical disorder	Cont
11	S11NPDISUMM	s11npdisumm:w11	missings in s neighborhood physical disorder	Cont
12	S12NPDISUMM	s12npdisumm:w12	missings in s neighborhood physical disorder	Cont
13	S13NPDISUMM	s13npdisumm:w13	missings in s neighborhood physical disorder	Cont
14	S14NPDISUMM	s14npdisumm:w14	missings in s neighborhood physical disorder	Cont
15	S15NPDISUMM	s15npdisumm:w15	missings in s neighborhood physical disorder	Cont
08	R8NSOCOSUM	r8nsocosum:w8	r neighborhood social cohesion summary mean sc	Cont
09	R9NSOCOSUM	r9nsocosum:w9	r neighborhood social cohesion summary mean sc	Cont
10	R10NSOCOSUM	r10nsocosum:w10	r neighborhood social cohesion summary mean	Cont

11	R11NSOCOSUM	r11nsocosum:w11	r	neighborhood	social	cohesion	summary	mean	Cont
12	R12NSOCOSUM	r12nsocosum:w12	r	neighborhood	social	cohesion	summary	mean	Cont
13	R13NSOCOSUM	r13nsocosum:w13	r	neighborhood	social	cohesion	summary	mean	Cont
14	R14NSOCOSUM	r14nsocosum:w14	r	neighborhood	social	cohesion	summary	mean	Cont
15	R15NSOCOSUM	r15nsocosum:w15	r	neighborhood	social	cohesion	summary	mean	Cont
08	S8NSOCOSUM	s8nsocosum:w8	s	neighborhood	social	cohesion	summary	mean	sc
09	S9NSOCOSUM	s9nsocosum:w9	s	neighborhood	social	cohesion	summary	mean	sc
10	S10NSOCOSUM	s10nsocosum:w10	s	neighborhood	social	cohesion	summary	mean	Cont
11	S11NSOCOSUM	s11nsocosum:w11	s	neighborhood	social	cohesion	summary	mean	Cont
12	S12NSOCOSUM	s12nsocosum:w12	s	neighborhood	social	cohesion	summary	mean	Cont
13	S13NSOCOSUM	s13nsocosum:w13	s	neighborhood	social	cohesion	summary	mean	Cont
14	S14NSOCOSUM	s14nsocosum:w14	s	neighborhood	social	cohesion	summary	mean	Cont
15	S15NSOCOSUM	s15nsocosum:w15	s	neighborhood	social	cohesion	summary	mean	Cont
08	R8NSOCOSUMM	r8nsocosumm:w8	missings in r	neighborhood	social	cohesion	su		Cont
09	R9NSOCOSUMM	r9nsocosumm:w9	missings in r	neighborhood	social	cohesion	su		Cont
10	R10NSOCOSUMM	r10nsocosumm:w10	missings in r	neighborhood	social	cohesion			Cont
11	R11NSOCOSUMM	r11nsocosumm:w11	missings in r	neighborhood	social	cohesion			Cont
12	R12NSOCOSUMM	r12nsocosumm:w12	missings in r	neighborhood	social	cohesion			Cont
13	R13NSOCOSUMM	r13nsocosumm:w13	missings in r	neighborhood	social	cohesion			Cont
14	R14NSOCOSUMM	r14nsocosumm:w14	missings in r	neighborhood	social	cohesion			Cont
15	R15NSOCOSUMM	r15nsocosumm:w15	missings in r	neighborhood	social	cohesion			Cont
08	S8NSOCOSUMM	s8nsocosumm:w8	missings in s	neighborhood	social	cohesion	su		Cont
09	S9NSOCOSUMM	s9nsocosumm:w9	missings in s	neighborhood	social	cohesion	su		Cont
10	S10NSOCOSUMM	s10nsocosumm:w10	missings in s	neighborhood	social	cohesion			Cont
11	S11NSOCOSUMM	s11nsocosumm:w11	missings in s	neighborhood	social	cohesion			Cont
12	S12NSOCOSUMM	s12nsocosumm:w12	missings in s	neighborhood	social	cohesion			Cont
13	S13NSOCOSUMM	s13nsocosumm:w13	missings in s	neighborhood	social	cohesion			Cont
14	S14NSOCOSUMM	s14nsocosumm:w14	missings in s	neighborhood	social	cohesion			Cont
15	S15NSOCOSUMM	s15nsocosumm:w15	missings in s	neighborhood	social	cohesion			Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8BELONG	7470	2.51	1.75	1.00	7.00
R9BELONG	6864	2.58	1.76	1.00	7.00
R10BELONG	8059	2.70	1.78	1.00	7.00
R11BELONG	7201	2.73	1.77	1.00	7.00
R12BELONG	7324	2.82	1.77	1.00	7.00
R13BELONG	6185	2.85	1.80	1.00	7.00
R14BELONG	5556	2.84	1.78	1.00	7.00
R15BELONG	4562	2.85	1.78	1.00	7.00
S8BELONG	5054	2.45	1.67	1.00	7.00
S9BELONG	4339	2.52	1.69	1.00	7.00
S10BELONG	5202	2.63	1.72	1.00	7.00
S11BELONG	4542	2.65	1.71	1.00	7.00
S12BELONG	4537	2.76	1.71	1.00	7.00
S13BELONG	3695	2.77	1.74	1.00	7.00
S14BELONG	3314	2.79	1.74	1.00	7.00
S15BELONG	2622	2.76	1.73	1.00	7.00
R8VANDAL	7427	2.39	1.87	1.00	7.00
R9VANDAL	6858	2.46	1.79	1.00	7.00
R10VANDAL	8081	2.55	1.80	1.00	7.00
R11VANDAL	7212	2.57	1.80	1.00	7.00
R12VANDAL	7336	2.51	1.77	1.00	7.00
R13VANDAL	6192	2.58	1.82	1.00	7.00
R14VANDAL	5575	2.49	1.77	1.00	7.00
R15VANDAL	4558	2.48	1.80	1.00	7.00

S8VANDAL	5035	2.32	1.79	1.00	7.00
S9VANDAL	4339	2.42	1.72	1.00	7.00
S10VANDAL	5215	2.46	1.72	1.00	7.00
S11VANDAL	4561	2.50	1.73	1.00	7.00
S12VANDAL	4548	2.46	1.72	1.00	7.00
S13VANDAL	3704	2.49	1.74	1.00	7.00
S14VANDAL	3319	2.42	1.70	1.00	7.00
S15VANDAL	2622	2.45	1.77	1.00	7.00
R8TRUST	7410	2.52	1.71	1.00	7.00
R9TRUST	6858	2.44	1.68	1.00	7.00
R10TRUST	8061	2.53	1.65	1.00	7.00
R11TRUST	7206	2.62	1.69	1.00	7.00
R12TRUST	7338	2.64	1.68	1.00	7.00
R13TRUST	6204	2.71	1.71	1.00	7.00
R14TRUST	5579	2.63	1.68	1.00	7.00
R15TRUST	4567	2.68	1.70	1.00	7.00
S8TRUST	5013	2.45	1.64	1.00	7.00
S9TRUST	4332	2.37	1.61	1.00	7.00
S10TRUST	5203	2.43	1.58	1.00	7.00
S11TRUST	4555	2.55	1.62	1.00	7.00
S12TRUST	4544	2.57	1.61	1.00	7.00
S13TRUST	3701	2.62	1.65	1.00	7.00
S14TRUST	3321	2.57	1.62	1.00	7.00
S15TRUST	2625	2.60	1.64	1.00	7.00
R8AFWALK	7421	2.97	2.06	1.00	7.00
R9AFWALK	6848	2.74	1.84	1.00	7.00
R10AFWALK	8064	2.75	1.84	1.00	7.00
R11AFWALK	7194	2.78	1.84	1.00	7.00
R12AFWALK	7321	2.78	1.80	1.00	7.00
R13AFWALK	6194	2.88	1.86	1.00	7.00
R14AFWALK	5566	2.75	1.80	1.00	7.00
R15AFWALK	4555	2.77	1.84	1.00	7.00
S8AFWALK	5021	2.84	2.00	1.00	7.00
S9AFWALK	4333	2.61	1.76	1.00	7.00
S10AFWALK	5210	2.60	1.75	1.00	7.00
S11AFWALK	4552	2.66	1.76	1.00	7.00
S12AFWALK	4543	2.64	1.72	1.00	7.00
S13AFWALK	3699	2.74	1.78	1.00	7.00
S14AFWALK	3314	2.62	1.73	1.00	7.00
S15AFWALK	2614	2.64	1.77	1.00	7.00
R8UNFRIEND	7460	2.30	1.64	1.00	7.00
R9UNFRIEND	6876	2.30	1.58	1.00	7.00
R10UNFRIEND	8101	2.35	1.57	1.00	7.00
R11UNFRIEND	7225	2.41	1.60	1.00	7.00
R12UNFRIEND	7346	2.47	1.61	1.00	7.00
R13UNFRIEND	6216	2.52	1.65	1.00	7.00
R14UNFRIEND	5581	2.44	1.56	1.00	7.00
R15UNFRIEND	4568	2.45	1.63	1.00	7.00
S8UNFRIEND	5043	2.23	1.57	1.00	7.00
S9UNFRIEND	4341	2.24	1.53	1.00	7.00
S10UNFRIEND	5226	2.27	1.50	1.00	7.00
S11UNFRIEND	4561	2.32	1.53	1.00	7.00
S12UNFRIEND	4552	2.38	1.54	1.00	7.00
S13UNFRIEND	3707	2.44	1.57	1.00	7.00
S14UNFRIEND	3318	2.36	1.50	1.00	7.00
S15UNFRIEND	2623	2.37	1.56	1.00	7.00

R8RUBBISH	7466	2.36	1.62	1.00	7.00
R9RUBBISH	6877	2.35	1.62	1.00	7.00
R10RUBBISH	8094	2.40	1.61	1.00	7.00
R11RUBBISH	7230	2.45	1.62	1.00	7.00
R12RUBBISH	7347	2.51	1.64	1.00	7.00
R13RUBBISH	6206	2.58	1.69	1.00	7.00
R14RUBBISH	5590	2.53	1.65	1.00	7.00
R15RUBBISH	4573	2.54	1.72	1.00	7.00
S8RUBBISH	5048	2.30	1.55	1.00	7.00
S9RUBBISH	4342	2.31	1.57	1.00	7.00
S10RUBBISH	5223	2.32	1.54	1.00	7.00
S11RUBBISH	4571	2.39	1.57	1.00	7.00
S12RUBBISH	4552	2.43	1.56	1.00	7.00
S13RUBBISH	3702	2.49	1.62	1.00	7.00
S14RUBBISH	3322	2.47	1.59	1.00	7.00
S15RUBBISH	2623	2.46	1.66	1.00	7.00
R8HLPNTR	7467	2.69	1.65	1.00	7.00
R9HLPNTR	6866	2.70	1.66	1.00	7.00
R10HLPNTR	8083	2.80	1.67	1.00	7.00
R11HLPNTR	7204	2.82	1.67	1.00	7.00
R12HLPNTR	7329	2.90	1.67	1.00	7.00
R13HLPNTR	6207	2.95	1.68	1.00	7.00
R14HLPNTR	5575	2.91	1.67	1.00	7.00
R15HLPNTR	4567	2.91	1.66	1.00	7.00
S8HLPNTR	5050	2.65	1.60	1.00	7.00
S9HLPNTR	4342	2.70	1.63	1.00	7.00
S10HLPNTR	5220	2.72	1.59	1.00	7.00
S11HLPNTR	4556	2.78	1.61	1.00	7.00
S12HLPNTR	4541	2.86	1.62	1.00	7.00
S13HLPNTR	3705	2.89	1.63	1.00	7.00
S14HLPNTR	3316	2.86	1.61	1.00	7.00
S15HLPNTR	2622	2.85	1.62	1.00	7.00
R8VACANT	7453	2.27	1.88	1.00	7.00
R9VACANT	6861	2.42	1.81	1.00	7.00
R10VACANT	8085	2.66	1.85	1.00	7.00
R11VACANT	7193	2.70	1.85	1.00	7.00
R12VACANT	7311	2.62	1.85	1.00	7.00
R13VACANT	6186	2.59	1.84	1.00	7.00
R14VACANT	5586	2.49	1.79	1.00	7.00
R15VACANT	4570	2.51	1.84	1.00	7.00
S8VACANT	5040	2.20	1.82	1.00	7.00
S9VACANT	4336	2.38	1.77	1.00	7.00
S10VACANT	5225	2.61	1.80	1.00	7.00
S11VACANT	4544	2.65	1.83	1.00	7.00
S12VACANT	4532	2.54	1.79	1.00	7.00
S13VACANT	3699	2.51	1.78	1.00	7.00
S14VACANT	3322	2.42	1.75	1.00	7.00
S15VACANT	2621	2.43	1.78	1.00	7.00
R8NPDISUM	7509	2.50	1.31	1.00	7.00
R9NPDISUM	6906	2.50	1.44	1.00	7.00
R10NPDISUM	8136	2.59	1.44	1.00	7.00
R11NPDISUM	7259	2.63	1.45	1.00	7.00
R12NPDISUM	7382	2.61	1.46	1.00	7.00
R13NPDISUM	6247	2.66	1.51	1.00	7.00
R14NPDISUM	5613	2.57	1.44	1.00	7.00
R15NPDISUM	4588	2.58	1.50	1.00	7.00

S8NPDISUM	5069	2.42	1.26	1.00	7.00
S9NPDISUM	4353	2.43	1.39	1.00	7.00
S10NPDISUM	5244	2.50	1.38	1.00	7.00
S11NPDISUM	4580	2.55	1.41	1.00	7.00
S12NPDISUM	4573	2.52	1.41	1.00	7.00
S13NPDISUM	3718	2.56	1.45	1.00	7.00
S14NPDISUM	3335	2.49	1.39	1.00	7.00
S15NPDISUM	2631	2.50	1.46	1.00	7.00
R8NPDISUMM	7730	0.15	0.70	0.00	4.00
R9NPDISUMM	7073	0.12	0.64	0.00	4.00
R10NPDISUMM	8332	0.12	0.63	0.00	4.00
R11NPDISUMM	7412	0.11	0.60	0.00	4.00
R12NPDISUMM	7541	0.11	0.61	0.00	4.00
R13NPDISUMM	6370	0.11	0.60	0.00	4.00
R14NPDISUMM	5738	0.11	0.61	0.00	4.00
R15NPDISUMM	4670	0.09	0.55	0.00	4.00
S8NPDISUMM	5190	0.12	0.64	0.00	4.00
S9NPDISUMM	4429	0.08	0.54	0.00	4.00
S10NPDISUMM	5335	0.09	0.54	0.00	4.00
S11NPDISUMM	4636	0.07	0.47	0.00	4.00
S12NPDISUMM	4635	0.08	0.50	0.00	4.00
S13NPDISUMM	3780	0.08	0.53	0.00	4.00
S14NPDISUMM	3397	0.09	0.56	0.00	4.00
S15NPDISUMM	2668	0.07	0.49	0.00	4.00
R8NSOCOSUM	7527	2.51	1.37	1.00	7.00
R9NSOCOSUM	6913	2.51	1.40	1.00	7.00
R10NSOCOSUM	8139	2.60	1.40	1.00	7.00
R11NSOCOSUM	7261	2.65	1.42	1.00	7.00
R12NSOCOSUM	7394	2.71	1.42	1.00	7.00
R13NSOCOSUM	6248	2.77	1.45	1.00	7.00
R14NSOCOSUM	5622	2.71	1.41	1.00	7.00
R15NSOCOSUM	4591	2.72	1.43	1.00	7.00
S8NSOCOSUM	5078	2.45	1.30	1.00	7.00
S9NSOCOSUM	4357	2.46	1.35	1.00	7.00
S10NSOCOSUM	5245	2.51	1.34	1.00	7.00
S11NSOCOSUM	4579	2.58	1.36	1.00	7.00
S12NSOCOSUM	4576	2.64	1.37	1.00	7.00
S13NSOCOSUM	3718	2.69	1.40	1.00	7.00
S14NSOCOSUM	3341	2.65	1.36	1.00	7.00
S15NSOCOSUM	2634	2.65	1.39	1.00	7.00
R8NSOCOSUMM	7730	0.14	0.69	0.00	4.00
R9NSOCOSUMM	7073	0.12	0.63	0.00	4.00
R10NSOCOSUMM	8332	0.12	0.64	0.00	4.00
R11NSOCOSUMM	7412	0.11	0.60	0.00	4.00
R12NSOCOSUMM	7541	0.11	0.60	0.00	4.00
R13NSOCOSUMM	6370	0.10	0.59	0.00	4.00
R14NSOCOSUMM	5738	0.12	0.61	0.00	4.00
R15NSOCOSUMM	4670	0.09	0.54	0.00	4.00
S8NSOCOSUMM	5190	0.12	0.62	0.00	4.00
S9NSOCOSUMM	4429	0.08	0.53	0.00	4.00
S10NSOCOSUMM	5335	0.09	0.55	0.00	4.00
S11NSOCOSUMM	4636	0.07	0.47	0.00	4.00
S12NSOCOSUMM	4635	0.08	0.50	0.00	4.00
S13NSOCOSUMM	3780	0.08	0.53	0.00	4.00
S14NSOCOSUMM	3397	0.10	0.55	0.00	4.00
S15NSOCOSUMM	2668	0.07	0.48	0.00	4.00



## How Constructed:

Neighborhood physical disorder/neighborhood social cohesion questions were asked to respondents to learn about their feelings regarding their local area, that is, everywhere within a 20 minute walk or about a mile of their home. Starting in Wave 8, respondents are presented with two statements, one negative and one positive (e.g. "I really feel part of this area" and "I feel that I don't belong in this area"). Of the 8 questions, five of the positive statements are on the left and 3 of the positive statements are on the right. In between the two statements respondents were asked to mark an answer on a scale of 1 to 7 indicating how closely they agree with either statement. After Wave 8, respondents are given a positive statement on the left and a negative statement on the right for each question. To account for the difference of the three Wave 8 questions with right-sided positive statements, these questions are recoded to agree with all other questions and waves so that, for all variables, a report of 1 means the respondent most closely agrees with the positive statement and a report of 7 indicates the respondent most closely agrees with the negative statement.

RwBELONG indicates how much the respondent feels that they are part of/don't belong in this area.

RwVANDAL indicates how much the respondent feels vandalism and graffiti are no problem/a big problem in this area. This question had a right-sided positive statement in Wave 8 which was reverse-coded in R8VANDAL to be consistent with all other waves.

RwTRUST indicates how much the respondent feels that most people in this area can/can't be trusted.

RwAFWALK indicates how much the respondent feels safe/afraid walking alone in this area after dark. This question had a right-sided positive statement in Wave 8 which was reverse-coded in R8AFWALK to be consistent with all other waves.

RwUNFRIEND indicates how much the respondent feels most people are friendly/unfriendly in this area.

RwRUBBISH indicates how much the respondent feels this area is kept clean/always full of rubbish and litter.

RwHLPNTR indicates how much the respondent feels if they were in trouble there are lots of people/nobody would help in this area.

RwVACANT indicates how much the respondent feels there are no/many vacant or deserted houses or storefronts in this area. This question had a right-sided positive statement in Wave 8 which was reverse-coded in R8VACANT to be consistent with all other waves.

For RwBELONG, RwVANDAL, RwTRUST, RwAFWALK, RwUNFRIEND, RwRUBBISH, RwHLPNTR and RwVACANT, special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwBELONG, SwVANDAL, SwTRUST, SwAFWALK, SwUNFRIEND, SwRUBBISH, SwHLPNTR and SwVACANT indicate the current wave's spouse's feelings about statements about their neighborhood and are taken from the spouse's values to RwBELONG, RwVANDAL, RwTRUST, RwAFWALK, RwUNFRIEND, RwRUBBISH, RwHLPNTR and RwVACANT. In addition to the special missing codes used in RwBELONG, RwVANDAL, RwTRUST, RwAFWALK, RwUNFRIEND, RwRUBBISH, RwHLPNTR and RwVACANT, SwBELONG, SwVANDAL, SwTRUST, SwAFWALK, SwUNFRIEND, SwRUBBISH, SwHLPNTR and SwVACANT employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwNPDISUM is the calculation of the mean of four neighborhood physical disorder questions and can be used as a summary score. RwNPDISUM is calculated as:  $RwNPDISUM = \text{mean}(RwVANDAL \text{ } RwAFWALK \text{ } RwRUBBISH \text{ } RwVACANT)$ . RwNPDISUM is calculated for any respondent with at least one non-missing value for its four components. RwNPDISUMM counts the number of components with missing values in RwNPDISUM and its values can range from zero (0) to four (4). Special missing .c is assigned to RwNPDISUM and RwNPDISUMM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RwNPDISUM if the respondent is eligible for and completed the leave behind questionnaire but

their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwNPDISUM and SwNPDISUMM indicate the summary score of the mean of four different neighborhood physical disorder questions and the count of any missing components in that score for the current wave's spouse and are taken from the spouse's values to RwnPDISUM and RwnPDISUMM. In addition to the special missing codes used in RwnPDISUM and RwnPDISUMM, SwNPDISUM and SwNPDISUMM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwNSOCOSUM is the calculation of the mean of four neighborhood social cohesion questions and can be used as a summary score. RwNSOCOSUM is calculated as:  $RwNSOCOSUM = \text{mean}(RwBELONG\ RwTRUST\ RwUNFRIEND\ RwHLPNTR)$ . RwNSOCOSUM is calculated for any respondent with at least one non-missing value for its four components. RwNSOCOSUMM counts the number of components with missing values in RwNSOCOSUM and its values range from zero (0) to four (4). Special missing .c is assigned to RwNSOCOSUM and RwNSOCOSUMM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RwNSOCOSUM if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwNSOCOSUM and SwNSOCOSUMM indicate the summary score of the mean of four different neighborhood social cohesion questions and the count of any missing components in that score for the current wave's spouse and are taken from the spouse's values to SwNSOCOSUM and SwNSOCOSUMM. In addition to the special missing codes used in SwNSOCOSUM and SwNSOCOSUMM, SwNSOCOSUM and SwNSOCOSUMM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Neighborhood physical disorder/social cohesion questions are asked starting in Wave 8.

Unlike other questions in Wave 8 which have the positive statement on the left, how much the respondents feel vandalism and graffiti are no problem/a big problem in this area, how much the respondents feel safe/afraid walking alone in this area after dark, and how much the respondents feel there are no/many vacant or deserted houses or storefronts in this area have the positive statement on the right. In all other waves, for all questions the positive statement is always on the left. For the sake of cross-wave consistency, R8VANDAL, R8AFWALK, and R8VACANT in the Harmonized HRS have been reverse-coded to be consistent and comparable with all other waves.

## HRS Variables Used:

### Wave 8:

KLB021A	q21a. feel part of this area
KLB021B	q21b. vandalism and graffiti problem
KLB021C	q21c. most people can be trusted
KLB021D	q21d. be afraid to walk alone after dark
KLB021E	q21e. most people are friendly this area
KLB021F	q21f. this area is kept very clean
KLB021G	q21g. people help you if in trouble
KLB021H	q21h. many vacant or deserted houses
KLBCOMP	mode completed leave behind qnaire

### Wave 9:

LLB021A	q21a. feel part of this area
LLB021B	q21b. vandalism and graffiti problem
LLB021C	q21c. most people can be trusted
LLB021D	q21d. be afraid to walk alone after dark
LLB021E	q21e. most people are friendly this area
LLB021F	q21f. this area is kept very clean
LLB021G	q21g. people help you if in trouble
LLB021H	q21h. many vacant or deserted houses

LLBCOMP mode completed leave behind qnaire

Wave 10:

MLB021A q21a. feel part of this area  
MLB021B q21b. vandalism and graffiti problem  
MLB021C q21c. most people can be trusted  
MLB021D q21d. be afraid to walk alone after dark  
MLB021E q21e. most people are friendly this area  
MLB021F q21f. this area is kept very clean  
MLB021G q21g. people help you if in trouble  
MLB021H q21h. many vacant or deserted houses  
MLBCOMP mode completed leave behind qnaire

Wave 11:

NLB021A q21a. feel part of this area  
NLB021B q21b. vandalism and graffiti problem  
NLB021C q21c. most people can be trusted  
NLB021D q21d. be afraid to walk alone after dark  
NLB021E q21e. most people are friendly this area  
NLB021F q21f. this area is kept very clean  
NLB021G q21g. people help you if in trouble  
NLB021H q21h. many vacant or deserted houses  
NLBCOMP mode completed leave behind qnaire

Wave 12:

OLB020A q20a. feel part of this area  
OLB020B q20b. vandalism and graffiti problem  
OLB020C q20c. most people can be trusted  
OLB020D q20d. be afraid to walk alone after dark  
OLB020E q20e. most people are friendly this area  
OLB020F q20f. this area is kept very clean  
OLB020G q20g. people help you if in trouble  
OLB020H q20h. many vacant or deserted houses  
OLBCOMP mode completed leave behind qnaire

Wave 13:

PLB020A q20a. feel part of this area  
PLB020B q20b. vandalism and graffiti problem  
PLB020C q20c. most people can be trusted  
PLB020D q20d. be afraid to walk alone after dark  
PLB020E q20e. most people are friendly this area  
PLB020F q20f. this area is kept very clean  
PLB020G q20g. people help you if in trouble  
PLB020H q20h. many vacant or deserted houses  
PLBCOMP mode completed leave behind qnaire

Wave 14:

QLB020A q20a. feel part of this area  
QLB020B q20b. vandalism and graffiti problem  
QLB020C q20c. most people can be trusted  
QLB020D q20d. afraid walk alone after dark  
QLB020E q20e. most people friendly this area  
QLB020F q20f. this area kept very clean  
QLB020G q20g. people help you if in trouble  
QLB020H q20h. many vacant/deserted houses  
QLBCOMP mode completed leave behind qnaire

Wave 15:

RLB020A q20a. feel part of this area  
RLB020B q20b. vandalism and graffiti problem  
RLB020C q20c. most people can be trusted  
RLB020D q20d. afraid walk alone after dark  
RLB020E q20e. most people friendly this area  
RLB020F q20f. this area kept very clean  
RLB020G q20g. people help you if in trouble  
RLB020H q20h. many vacant/deserted houses  
RLBCOMP mode completed leave behind qnaire

<b>Childhood/Lifetime Stressful Events</b>
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Wave	Variable	Label	Type
0A	RAMISCHLTH	ramischlth: r missed school for 1+ mo due to health	Categ
09	S9MISCHLTH	s9mischlth:w9 s missed school for 1+ mo due to health	Categ
10	S10MISCHLTH	s10mischlth:w10 s missed school for 1+ mo due to health	Categ
11	S11MISCHLTH	s11mischlth:w11 s missed school for 1+ mo due to health	Categ
12	S12MISCHLTH	s12mischlth:w12 s missed school for 1+ mo due to health	Categ
13	S13MISCHLTH	s13mischlth:w13 s missed school for 1+ mo due to health	Categ
14	S14MISCHLTH	s14mischlth:w14 s missed school for 1+ mo due to health	Categ
15	S15MISCHLTH	s15mischlth:w15 s missed school for 1+ mo due to health	Categ
08	R8PABUSED	r8pabused:w8 before age 18 r was physically abused by parent	Categ
09	R9PABUSED	r9pabused:w9 before age 18 r was physically abused by parent	Categ
10	R10PABUSED	r10pabused:w10 before age 18 r was physically abused by pare	Categ
11	R11PABUSED	r11pabused:w11 before age 18 r was physically abused by pare	Categ
08	S8PABUSED	s8pabused:w8 before age 18 s was physically abused by parent	Categ
09	S9PABUSED	s9pabused:w9 before age 18 s was physically abused by parent	Categ
10	S10PABUSED	s10pabused:w10 before age 18 s was physically abused by pare	Categ
11	S11PABUSED	s11pabused:w11 before age 18 s was physically abused by pare	Categ
08	R8PADRUG	r8padrug:w8 r ever experienced parent drunk or use drugs tha	Categ
09	R9PADRUG	r9padrug:w9 r ever experienced parent drunk or use drugs tha	Categ
10	R10PADRUG	r10padrug:w10 r ever experienced parent drunk or use drugs t	Categ
11	R11PADRUG	r11padrug:w11 r ever experienced parent drunk or use drugs t	Categ
08	S8PADRUG	s8padrug:w8 s ever experienced parent drunk or use drugs tha	Categ
09	S9PADRUG	s9padrug:w9 s ever experienced parent drunk or use drugs tha	Categ
10	S10PADRUG	s10padrug:w10 s ever experienced parent drunk or use drugs t	Categ
11	S11PADRUG	s11padrug:w11 s ever experienced parent drunk or use drugs t	Categ
08	R8NADISE	r8nadise:w8 r ever experienced natural disaster	Categ
09	R9NADISE	r9nadise:w9 r ever experienced natural disaster	Categ
10	R10NADISE	r10nadise:w10 r ever experienced natural disaster	Categ
11	R11NADISE	r11nadise:w11 r ever experienced natural disaster	Categ
08	S8NADISE	s8nadise:w8 s ever experience natural disaster	Categ
09	S9NADISE	s9nadise:w9 s ever experienced natural disaster	Categ
10	S10NADISE	s10nadise:w10 s ever experienced natural disaster	Categ
11	S11NADISE	s11nadise:w11 s ever experienced natural disaster	Categ
08	R8COMBATE	r8combate:w8 r ever fired weapon or was fired on in combat	Categ
09	R9COMBATE	r9combate:w9 r ever fired weapon or was fired on in combat	Categ
10	R10COMBATE	r10combate:w10 r ever fired weapon or was fired on in combat	Categ
11	R11COMBATE	r11combate:w11 r ever fired weapon or was fired on in combat	Categ
08	S8COMBATE	s8combate:w8 s ever fired weapon or was fired on in combat	Categ
09	S9COMBATE	s9combate:w9 s ever fired weapon or was fired on in combat	Categ
10	S10COMBATE	s10combate:w10 s ever fired weapon or was fired on in combat	Categ
11	S11COMBATE	s11combate:w11 s ever fired weapon or was fired on in combat	Categ
07	R7ATTACKE	r7attaque:w7 r ever experienced physical attack or assault i	Categ
08	R8ATTACKE	r8attaque:w8 r ever experienced physical attack or assault i	Categ
09	R9ATTACKE	r9attaque:w9 r ever experienced physical attack or assault i	Categ
10	R10ATTACKE	r10attaque:w10 r ever experienced physical attack or assault	Categ
11	R11ATTACKE	r11attaque:w11 r ever experienced physical attack or assault	Categ
07	S7ATTACKE	s7attaque:w7 s ever experienced physical attack or assault i	Categ

08	S8ATTACKE	s8attacke:w8	s ever experienced physical attack or assault i	Categ
09	S9ATTACKE	s9attacke:w9	s ever experienced physical attack or assault i	Categ
10	S10ATTACKE	s10attacke:w10	s ever experienced physical attack or assault	Categ
11	S11ATTACKE	s11attacke:w11	s ever experienced physical attack or assault	Categ
07	R7LIFETHE	r7lifethe:w7	r ever experienced life-threatening illness or	Categ
08	R8LIFETHE	r8lifethe:w8	r ever experienced life-threatening illness or	Categ
09	R9LIFETHE	r9lifethe:w9	r ever experienced life-threatening illness or	Categ
10	R10LIFETHE	r10lifethe:w10	r ever experienced life-threatening illness o	Categ
11	R11LIFETHE	r11lifethe:w11	r ever experienced life-threatening illness o	Categ
07	S7LIFETHE	s7lifethe:w7	s ever experienced life-threatening illness or	Categ
08	S8LIFETHE	s8lifethe:w8	s ever experienced life-threatening illness or	Categ
09	S9LIFETHE	s9lifethe:w9	s ever experienced life-threatening illness or	Categ
10	S10LIFETHE	s10lifethe:w10	s ever experienced life-threatening illness o	Categ
11	S11LIFETHE	s11lifethe:w11	s ever experienced life-threatening illness o	Categ
07	R7CHDEATHE	r7chdeathe:w7	r ever experienced death of own child	Categ
08	R8CHDEATHE	r8chdeathe:w8	r ever experienced death of own child	Categ
09	R9CHDEATHE	r9chdeathe:w9	r ever experienced death of own child	Categ
10	R10CHDEATHE	r10chdeathe:w10	r ever experienced death of own child	Categ
11	R11CHDEATHE	r11chdeathe:w11	r ever experienced death of own child	Categ
07	S7CHDEATHE	s7chdeathe:w7	s ever experienced death of own child	Categ
08	S8CHDEATHE	s8chdeathe:w8	s ever experienced death of own child	Categ
09	S9CHDEATHE	s9chdeathe:w9	s ever experienced death of own child	Categ
10	S10CHDEATHE	s10chdeathe:w10	s ever experienced death of own child	Categ
11	S11CHDEATHE	s11chdeathe:w11	s ever experienced death of own child	Categ
07	R7LIFETHCSE	r7lifethcse:w7	r ever experienced life-threatening illness o	Categ
08	R8LIFETHCSE	r8lifethcse:w8	r ever experienced life-threatening illness o	Categ
09	R9LIFETHCSE	r9lifethcse:w9	r ever experienced life-threatening illness o	Categ
10	R10LIFETHCSE	r10lifethcse:w10	r ever experienced life-threatening illness	Categ
11	R11LIFETHCSE	r11lifethcse:w11	r ever experienced life-threatening illness	Categ
07	S7LIFETHCSE	s7lifethcse:w7	s ever experienced life-threatening illness o	Categ
08	S8LIFETHCSE	s8lifethcse:w8	s ever experienced life-threatening illness o	Categ
09	S9LIFETHCSE	s9lifethcse:w9	s ever experienced life-threatening illness o	Categ
10	S10LIFETHCSE	s10lifethcse:w10	s ever experienced life-threatening illness	Categ
11	S11LIFETHCSE	s11lifethcse:w11	s ever experienced life-threatening illness	Categ
08	R8DRUGCSE	r8drugcse:w8	r ever experienced spouse, partner, or child ad	Categ
09	R9DRUGCSE	r9drugcse:w9	r ever experienced spouse, partner, or child ad	Categ
10	R10DRUGCSE	r10drugcse:w10	r ever experienced spouse, partner, or child	Categ
11	R11DRUGCSE	r11drugcse:w11	r ever experienced spouse, partner, or child	Categ
08	S8DRUGCSE	s8drugcse:w8	s ever experienced spouse, partner, or child ad	Categ
09	S9DRUGCSE	s9drugcse:w9	s ever experienced spouse, partner, or child ad	Categ
10	S10DRUGCSE	s10drugcse:w10	s ever experienced spouse, partner, or child	Categ
11	S11DRUGCSE	s11drugcse:w11	s ever experienced spouse, partner, or child	Categ
09	R9POLICE	r9police:w9	before age 18 r had trouble with the police	Categ
10	R10POLICE	r10police:w10	before age 18 r had trouble with the police	Categ
11	R11POLICE	r11police:w11	before age 18 r had trouble with the police	Categ
09	S9POLICE	s9police:w9	before age 18 s had trouble with the police	Categ
10	S10POLICE	s10police:w10	before age 18 s had trouble with the police	Categ
11	S11POLICE	s11police:w11	before age 18 s had trouble with the police	Categ
0A	RALSEVENT	ralsevent:	r summary count of lifetime stressful events - la	Cont
01	S1LSEVENT	s1lsevent:w1	s summary count of lifetime stressful events -	Cont
02	S2LSEVENT	s2lsevent:w2	s summary count of lifetime stressful events -	Cont

03	S3LSEVENT	s3lsevent:w3 s summary count of lifetime stressful events -	Cont
04	S4LSEVENT	s4lsevent:w4 s summary count of lifetime stressful events -	Cont
05	S5LSEVENT	s5lsevent:w5 s summary count of lifetime stressful events -	Cont
06	S6LSEVENT	s6lsevent:w6 s summary count of lifetime stressful events -	Cont
07	S7LSEVENT	s7lsevent:w7 s summary count of lifetime stressful events -	Cont
08	S8LSEVENT	s8lsevent:w8 s summary count of lifetime stressful events -	Cont
09	S9LSEVENT	s9lsevent:w9 s summary count of lifetime stressful events -	Cont
10	S10LSEVENT	s10lsevent:w10 s summary count of lifetime stressful events	Cont
11	S11LSEVENT	s11lsevent:w11 s summary count of lifetime stressful events	Cont
12	S12LSEVENT	s12lsevent:w12 s summary count of lifetime stressful events	Cont
13	S13LSEVENT	s13lsevent:w13 s summary count of lifetime stressful events	Cont
14	S14LSEVENT	s14lsevent:w14 s summary count of lifetime stressful events	Cont
15	S15LSEVENT	s15lsevent:w15 s summary count of lifetime stressful events	Cont
0A	RALSEVENTM	ralseventm: missings in r summary count of lifetime stressfu	Cont
01	S1LSEVENTM	s1lseventm:w1 missings in s summary count of lifetime stress	Cont
02	S2LSEVENTM	s2lseventm:w2 missings in s summary count of lifetime stress	Cont
03	S3LSEVENTM	s3lseventm:w3 missings in s summary count of lifetime stress	Cont
04	S4LSEVENTM	s4lseventm:w4 missings in s summary count of lifetime stress	Cont
05	S5LSEVENTM	s5lseventm:w5 missings in s summary count of lifetime stress	Cont
06	S6LSEVENTM	s6lseventm:w6 missings in s summary count of lifetime stress	Cont
07	S7LSEVENTM	s7lseventm:w7 missings in s summary count of lifetime stress	Cont
08	S8LSEVENTM	s8lseventm:w8 missings in s summary count of lifetime stress	Cont
09	S9LSEVENTM	s9lseventm:w9 missings in s summary count of lifetime stress	Cont
10	S10LSEVENTM	s10lseventm:w10 missings in s summary count of lifetime stre	Cont
11	S11LSEVENTM	s11lseventm:w11 missings in s summary count of lifetime stre	Cont
12	S12LSEVENTM	s12lseventm:w12 missings in s summary count of lifetime stre	Cont
13	S13LSEVENTM	s13lseventm:w13 missings in s summary count of lifetime stre	Cont
14	S14LSEVENTM	s14lseventm:w14 missings in s summary count of lifetime stre	Cont
15	S15LSEVENTM	s15lseventm:w15 missings in s summary count of lifetime stre	Cont
0A	RACSEVENT	racevent: r summary count of childhood stressful events - f	Cont
01	S1CSEVENT	s1csevent:w1 s summary count of childhood stressful events -	Cont
02	S2CSEVENT	s2csevent:w2 s summary count of childhood stressful events -	Cont
03	S3CSEVENT	s3csevent:w3 s summary count of childhood stressful events -	Cont
04	S4CSEVENT	s4csevent:w4 s summary count of childhood stressful events -	Cont
05	S5CSEVENT	s5csevent:w5 s summary count of childhood stressful events -	Cont
06	S6CSEVENT	s6csevent:w6 s summary count of childhood stressful events -	Cont
07	S7CSEVENT	s7csevent:w7 s summary count of childhood stressful events -	Cont
08	S8CSEVENT	s8csevent:w8 s summary count of childhood stressful events -	Cont
09	S9CSEVENT	s9csevent:w9 s summary count of childhood stressful events -	Cont
10	S10CSEVENT	s10csevent:w10 s summary count of childhood stressful events	Cont
11	S11CSEVENT	s11csevent:w11 s summary count of childhood stressful events	Cont
12	S12CSEVENT	s12csevent:w12 s summary count of childhood stressful events	Cont
13	S13CSEVENT	s13csevent:w13 s summary count of childhood stressful events	Cont
14	S14CSEVENT	s14csevent:w14 s summary count of childhood stressful events	Cont
15	S15CSEVENT	s15csevent:w15 s summary count of childhood stressful events	Cont
0A	RACSEVENTM	raceventm: missings in r summary count of childhood stressf	Cont
01	S1CSEVENTM	s1cseventm:w1 missings in s summary count of childhood stres	Cont
02	S2CSEVENTM	s2cseventm:w2 missings in s summary count of childhood stres	Cont
03	S3CSEVENTM	s3cseventm:w3 missings in s summary count of childhood stres	Cont
04	S4CSEVENTM	s4cseventm:w4 missings in s summary count of childhood stres	Cont
05	S5CSEVENTM	s5cseventm:w5 missings in s summary count of childhood stres	Cont
06	S6CSEVENTM	s6cseventm:w6 missings in s summary count of childhood stres	Cont
07	S7CSEVENTM	s7cseventm:w7 missings in s summary count of childhood stres	Cont
08	S8CSEVENTM	s8cseventm:w8 missings in s summary count of childhood stres	Cont
09	S9CSEVENTM	s9cseventm:w9 missings in s summary count of childhood stres	Cont
10	S10CSEVENTM	s10cseventm:w10 missings in s summary count of childhood str	Cont
11	S11CSEVENTM	s11cseventm:w11 missings in s summary count of childhood str	Cont

12	S12CSEVENTM	s12cseventm:w12 missings in s summary count of childhood str	Cont
13	S13CSEVENTM	s13cseventm:w13 missings in s summary count of childhood str	Cont
14	S14CSEVENTM	s14cseventm:w14 missings in s summary count of childhood str	Cont
15	S15CSEVENTM	s15cseventm:w15 missings in s summary count of childhood str	Cont
0A	RACHSHLT	rachshlt:R childhood health status	Categ
01	S1CHSHLT	s1chshlt:w1 S childhood health status	Categ
02	S2CHSHLT	s2chshlt:w2 S childhood health status	Categ
03	S3CHSHLT	s3chshlt:w3 S childhood health status	Categ
04	S4CHSHLT	s4chshlt:w4 S childhood health status	Categ
05	S5CHSHLT	s5chshlt:w5 S childhood health status	Categ
06	S6CHSHLT	s6chshlt:w6 S childhood health status	Categ
07	S7CHSHLT	s7chshlt:w7 S childhood health status	Categ
08	S8CHSHLT	s8chshlt:w8 S childhood health status	Categ
09	S9CHSHLT	s9chshlt:w9 S childhood health status	Categ
10	S10CHSHLT	s10chshlt:w10 S childhood health status	Categ
11	S11CHSHLT	s11chshlt:w11 S childhood health status	Categ
12	S12CHSHLT	s12chshlt:w12 S childhood health status	Categ
13	S13CHSHLT	s13chshlt:w13 S childhood health status	Categ
14	S14CHSHLT	s14chshlt:w14 S childhood health status	Categ
15	S15CHSHLT	s15chshlt:w15 S childhood health status	Categ
0A	RAFINANCH	rafinanch: financial situation while r was growing up	Categ
04	S4FINANCH	s4financh:w4 financial condition while s was growing up	Categ
05	S5FINANCH	s5financh:w5 financial condition while s was growing up	Categ
06	S6FINANCH	s6financh:w6 financial condition while s was growing up	Categ
07	S7FINANCH	s7financh:w7 financial condition while s was growing up	Categ
08	S8FINANCH	s8financh:w8 financial condition while s was growing up	Categ
09	S9FINANCH	s9financh:w9 financial condition while s was growing up	Categ
10	S10FINANCH	s10financh:w10 financial condition while s was growing up	Categ
11	S11FINANCH	s11financh:w11 financial condition while s was growing up	Categ
12	S12FINANCH	s12financh:w12 financial condition while s was growing up	Categ
13	S13FINANCH	s13financh:w13 financial condition while s was growing up	Categ
14	S14FINANCH	s14financh:w14 financial condition while s was growing up	Categ
15	S15FINANCH	s15financh:w15 financial condition while s was growing up	Categ
0A	RALIVDIFFCH	ralivdiffch: before age 16 whether r experienced difficult 1	Categ
01	S1LIVDIFFCH	s1livdiffch:w1 before age 16 whether s experienced difficult	Categ
02	S2LIVDIFFCH	s2livdiffch:w2 before age 16 whether s experienced difficult	Categ
03	S3LIVDIFFCH	s3livdiffch:w3 before age 16 whether s experienced difficult	Categ
04	S4LIVDIFFCH	s4livdiffch:w4 before age 16 whether s experienced difficult	Categ
05	S5LIVDIFFCH	s5livdiffch:w5 before age 16 whether s experienced difficult	Categ
06	S6LIVDIFFCH	s6livdiffch:w6 before age 16 whether s experienced difficult	Categ
07	S7LIVDIFFCH	s7livdiffch:w7 before age 16 whether s experienced difficult	Categ
08	S8LIVDIFFCH	s8livdiffch:w8 before age 16 whether s experienced difficult	Categ
09	S9LIVDIFFCH	s9livdiffch:w9 before age 16 whether s experienced difficult	Categ
10	S10LIVDIFFCH	s10livdiffch:w10 before age 16 whether s experienced difficu	Categ
11	S11LIVDIFFCH	s11livdiffch:w11 before age 16 whether s experienced difficu	Categ
12	S12LIVDIFFCH	s12livdiffch:w12 before age 16 whether s experienced difficu	Categ
13	S13LIVDIFFCH	s13livdiffch:w13 before age 16 whether s experienced difficu	Categ
14	S14LIVDIFFCH	s14livdiffch:w14 before age 16 whether s experienced difficu	Categ
15	S15LIVDIFFCH	s15livdiffch:w15 before age 16 whether s experienced difficu	Categ
0A	RAPADIVCH	rapadivch: before age 16 whether r parents separated/divorce	Categ
01	S1PADIVCH	s1padivch:w1 before age 16 whether s parents separated/divor	Categ
02	S2PADIVCH	s2padivch:w2 before age 16 whether s parents separated/divor	Categ
03	S3PADIVCH	s3padivch:w3 before age 16 whether s parents separated/divor	Categ
04	S4PADIVCH	s4padivch:w4 before age 16 whether s parents separated/divor	Categ
05	S5PADIVCH	s5padivch:w5 before age 16 whether s parents separated/divor	Categ

06	S6PADIVCH	s6padiavch:w6 before age 16 whether s parents separated/divor	Categ
07	S7PADIVCH	s7padiavch:w7 before age 16 whether s parents separated/divor	Categ
08	S8PADIVCH	s8padiavch:w8 before age 16 whether s parents separated/divor	Categ
09	S9PADIVCH	s9padiavch:w9 before age 16 whether s parents separated/divor	Categ
10	S10PADIVCH	s10padiavch:w10 before age 16 whether s parents separated/div	Categ
11	S11PADIVCH	s11padiavch:w11 before age 16 whether s parents separated/div	Categ
12	S12PADIVCH	s12padiavch:w12 before age 16 whether s parents separated/div	Categ
13	S13PADIVCH	s13padiavch:w13 before age 16 whether s parents separated/div	Categ
14	S14PADIVCH	s14padiavch:w14 before age 16 whether s parents separated/div	Categ
15	S15PADIVCH	s15padiavch:w15 before age 16 whether s parents separated/div	Categ
0A	RAPADIECH	rapadiech: before age 16 whether one or both of r's parents	Categ
01	S1PADIECH	s1padiach:w1 before age 16 whether one or both of s's parent	Categ
02	S2PADIECH	s2padiach:w2 before age 16 whether one or both of s's parent	Categ
03	S3PADIECH	s3padiach:w3 before age 16 whether one or both of s's parent	Categ
04	S4PADIECH	s4padiach:w4 before age 16 whether one or both of s's parent	Categ
05	S5PADIECH	s5padiach:w5 before age 16 whether one or both of s's parent	Categ
06	S6PADIECH	s6padiach:w6 before age 16 whether one or both of s's parent	Categ
07	S7PADIECH	s7padiach:w7 before age 16 whether one or both of s's parent	Categ
08	S8PADIECH	s8padiach:w8 before age 16 whether one or both of s's parent	Categ
09	S9PADIECH	s9padiach:w9 before age 16 whether one or both of s's parent	Categ
10	S10PADIECH	s10padiach:w10 before age 16 whether one or both of s's pare	Categ
11	S11PADIECH	s11padiach:w11 before age 16 whether one or both of s's pare	Categ
12	S12PADIECH	s12padiach:w12 before age 16 whether one or both of s's pare	Categ
13	S13PADIECH	s13padiach:w13 before age 16 whether one or both of s's pare	Categ
14	S14PADIECH	s14padiach:w14 before age 16 whether one or both of s's pare	Categ
15	S15PADIECH	s15padiach:w15 before age 16 whether one or both of s's pare	Categ
0A	RASEPMOM	rasepmom: before age 16 whether r separated from mother	Categ
01	S1SEPOM	s1sepmom:w1 before age 16 whether s separated from mother	Categ
02	S2SEPOM	s2sepmom:w2 before age 16 whether s separated from mother	Categ
03	S3SEPOM	s3sepmom:w3 before age 16 whether s separated from mother	Categ
04	S4SEPOM	s4sepmom:w4 before age 16 whether s separated from mother	Categ
05	S5SEPOM	s5sepmom:w5 before age 16 whether s separated from mother	Categ
06	S6SEPOM	s6sepmom:w6 before age 16 whether s separated from mother	Categ
07	S7SEPOM	s7sepmom:w7 before age 16 whether s separated from mother	Categ
08	S8SEPOM	s8sepmom:w8 before age 16 whether s separated from mother	Categ
09	S9SEPOM	s9sepmom:w9 before age 16 whether s separated from mother	Categ
10	S10SEPOM	s10sepmom:w10 before age 16 whether s separated from mother	Categ
11	S11SEPOM	s11sepmom:w11 before age 16 whether s separated from mother	Categ
12	S12SEPOM	s12sepmom:w12 before age 16 whether s separated from mother	Categ
13	S13SEPOM	s13sepmom:w13 before age 16 whether s separated from mother	Categ
14	S14SEPOM	s14sepmom:w14 before age 16 whether s separated from mother	Categ
15	S15SEPOM	s15sepmom:w15 before age 16 whether s separated from mother	Categ
0A	RASEPDAD	rasepdad: before age 16 whether r separated from father	Categ
01	S1SEPDAD	s1sepdad:w1 before age 16 whether s separated from father	Categ
02	S2SEPDAD	s2sepdad:w2 before age 16 whether s separated from father	Categ
03	S3SEPDAD	s3sepdad:w3 before age 16 whether s separated from father	Categ
04	S4SEPDAD	s4sepdad:w4 before age 16 whether s separated from father	Categ
05	S5SEPDAD	s5sepdad:w5 before age 16 whether s separated from father	Categ
06	S6SEPDAD	s6sepdad:w6 before age 16 whether s separated from father	Categ
07	S7SEPDAD	s7sepdad:w7 before age 16 whether s separated from father	Categ
08	S8SEPDAD	s8sepdad:w8 before age 16 whether s separated from father	Categ
09	S9SEPDAD	s9sepdad:w9 before age 16 whether s separated from father	Categ
10	S10SEPDAD	s10sepdad:w10 before age 16 whether s separated from father	Categ
11	S11SEPDAD	s11sepdad:w11 before age 16 whether s separated from father	Categ
12	S12SEPDAD	s12sepdad:w12 before age 16 whether s separated from father	Categ
13	S13SEPDAD	s13sepdad:w13 before age 16 whether s separated from father	Categ
14	S14SEPDAD	s14sepdad:w14 before age 16 whether s separated from father	Categ



15	S15SEPDAD	s15sepdad:w15 before age 16 whether s separated from father	Categ
0A	RALHCHILD	ralhchild: r summary count for life history childhood stress	Cont
01	S1LHCHILD	s1lhchild:w1 summary count for life history childhood stress	Cont
02	S2LHCHILD	s2lhchild:w2 summary count for life history childhood stress	Cont
03	S3LHCHILD	s3lhchild:w3 summary count for life history childhood stress	Cont
04	S4LHCHILD	s4lhchild:w4 summary count for life history childhood stress	Cont
05	S5LHCHILD	s5lhchild:w5 summary count for life history childhood stress	Cont
06	S6LHCHILD	s6lhchild:w6 summary count for life history childhood stress	Cont
07	S7LHCHILD	s7lhchild:w7 summary count for life history childhood stress	Cont
08	S8LHCHILD	s8lhchild:w8 summary count for life history childhood stress	Cont
09	S9LHCHILD	s9lhchild:w9 summary count for life history childhood stress	Cont
10	S10LHCHILD	s10lhchild:w10 summary count for life history childhood stre	Cont
11	S11LHCHILD	s11lhchild:w11 summary count for life history childhood stre	Cont
12	S12LHCHILD	s12lhchild:w12 summary count for life history childhood stre	Cont
13	S13LHCHILD	s13lhchild:w13 summary count for life history childhood stre	Cont
14	S14LHCHILD	s14lhchild:w14 summary count for life history childhood stre	Cont
15	S15LHCHILD	s15lhchild:w15 summary count for life history childhood stre	Cont
0A	RALHCHILD	ralhchildm: missings in r summary count for life history chi	Cont
01	S1LHCHILD	s1lhchildm:w1 missings in s summary count for life history c	Cont
02	S2LHCHILD	s2lhchildm:w2 missings in s summary count for life history c	Cont
03	S3LHCHILD	s3lhchildm:w3 missings in s summary count for life history c	Cont
04	S4LHCHILD	s4lhchildm:w4 missings in s summary count for life history c	Cont
05	S5LHCHILD	s5lhchildm:w5 missings in s summary count for life history c	Cont
06	S6LHCHILD	s6lhchildm:w6 missings in s summary count for life history c	Cont
07	S7LHCHILD	s7lhchildm:w7 missings in s summary count for life history c	Cont
08	S8LHCHILD	s8lhchildm:w8 missings in s summary count for life history c	Cont
09	S9LHCHILD	s9lhchildm:w9 missings in s summary count for life history c	Cont
10	S10LHCHILD	s10lhchildm:w10 missings in s summary count for life history	Cont
11	S11LHCHILD	s11lhchildm:w11 missings in s summary count for life history	Cont
12	S12LHCHILD	s12lhchildm:w12 missings in s summary count for life history	Cont
13	S13LHCHILD	s13lhchildm:w13 missings in s summary count for life history	Cont
14	S14LHCHILD	s14lhchildm:w14 missings in s summary count for life history	Cont
15	S15LHCHILD	s15lhchildm:w15 missings in s summary count for life history	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAMISCHLTH	24372	0.11	0.31	0.00	1.00
S9MISCHLTH	7037	0.11	0.32	0.00	1.00
S10MISCHLTH	10140	0.11	0.31	0.00	1.00
S11MISCHLTH	9425	0.11	0.31	0.00	1.00
S12MISCHLTH	8318	0.11	0.31	0.00	1.00
S13MISCHLTH	9392	0.10	0.31	0.00	1.00
S14MISCHLTH	7402	0.10	0.31	0.00	1.00
S15MISCHLTH	6657	0.10	0.30	0.00	1.00
R8PABUSED	7609	0.06	0.24	0.00	1.00
R9PABUSED	6927	0.07	0.26	0.00	1.00
R10PABUSED	8175	0.08	0.26	0.00	1.00
R11PABUSED	7252	0.08	0.27	0.00	1.00
S8PABUSED	5133	0.06	0.24	0.00	1.00
S9PABUSED	4357	0.07	0.25	0.00	1.00
S10PABUSED	5251	0.07	0.26	0.00	1.00
S11PABUSED	4546	0.07	0.26	0.00	1.00
R8PADRUG	7593	0.15	0.35	0.00	1.00

R9PADRUG	6942	0.15	0.36	0.00	1.00
R10PADRUG	8181	0.18	0.38	0.00	1.00
R11PADRUG	7269	0.17	0.37	0.00	1.00
S8PADRUG	5126	0.16	0.36	0.00	1.00
S9PADRUG	4366	0.15	0.36	0.00	1.00
S10PADRUG	5254	0.18	0.38	0.00	1.00
S11PADRUG	4558	0.17	0.37	0.00	1.00
R8NADISE	7574	0.19	0.39	0.00	1.00
R9NADISE	6921	0.19	0.39	0.00	1.00
R10NADISE	8157	0.19	0.39	0.00	1.00
R11NADISE	7250	0.17	0.38	0.00	1.00
S8NADISE	5111	0.18	0.39	0.00	1.00
S9NADISE	4357	0.18	0.39	0.00	1.00
S10NADISE	5250	0.19	0.39	0.00	1.00
S11NADISE	4547	0.17	0.38	0.00	1.00
R8COMBATE	7586	0.07	0.25	0.00	1.00
R9COMBATE	6928	0.06	0.25	0.00	1.00
R10COMBATE	8167	0.05	0.23	0.00	1.00
R11COMBATE	7248	0.05	0.21	0.00	1.00
S8COMBATE	5122	0.08	0.27	0.00	1.00
S9COMBATE	4362	0.07	0.26	0.00	1.00
S10COMBATE	5256	0.06	0.24	0.00	1.00
S11COMBATE	4546	0.05	0.22	0.00	1.00
R7ATTACKE	3165	0.08	0.27	0.00	1.00
R8ATTACKE	7585	0.07	0.25	0.00	1.00
R9ATTACKE	6914	0.06	0.24	0.00	1.00
R10ATTACKE	8155	0.07	0.26	0.00	1.00
R11ATTACKE	7245	0.08	0.27	0.00	1.00
S7ATTACKE	2263	0.07	0.25	0.00	1.00
S8ATTACKE	5124	0.06	0.23	0.00	1.00
S9ATTACKE	4357	0.06	0.23	0.00	1.00
S10ATTACKE	5246	0.06	0.24	0.00	1.00
S11ATTACKE	4548	0.07	0.25	0.00	1.00
R7LIFETHE	3162	0.30	0.46	0.00	1.00
R8LIFETHE	7554	0.27	0.44	0.00	1.00
R9LIFETHE	6910	0.28	0.45	0.00	1.00
R10LIFETHE	8156	0.26	0.44	0.00	1.00
R11LIFETHE	7232	0.26	0.44	0.00	1.00
S7LIFETHE	2259	0.31	0.46	0.00	1.00
S8LIFETHE	5094	0.27	0.44	0.00	1.00
S9LIFETHE	4352	0.27	0.45	0.00	1.00
S10LIFETHE	5246	0.27	0.44	0.00	1.00
S11LIFETHE	4536	0.25	0.44	0.00	1.00
R7CHDEATHE	3185	0.15	0.35	0.00	1.00
R8CHDEATHE	7547	0.16	0.37	0.00	1.00
R9CHDEATHE	6919	0.18	0.39	0.00	1.00
R10CHDEATHE	8122	0.15	0.36	0.00	1.00
R11CHDEATHE	7243	0.16	0.37	0.00	1.00
S7CHDEATHE	2277	0.14	0.34	0.00	1.00
S8CHDEATHE	5118	0.14	0.35	0.00	1.00
S9CHDEATHE	4365	0.16	0.37	0.00	1.00
S10CHDEATHE	5244	0.13	0.34	0.00	1.00

S11CHDEATHE	4549	0.14	0.35	0.00	1.00
R7LIFETHCSE	3146	0.35	0.48	0.00	1.00
R8LIFETHCSE	7507	0.29	0.46	0.00	1.00
R9LIFETHCSE	6867	0.30	0.46	0.00	1.00
R10LIFETHCSE	8106	0.26	0.44	0.00	1.00
R11LIFETHCSE	7212	0.25	0.43	0.00	1.00
S7LIFETHCSE	2255	0.33	0.47	0.00	1.00
S8LIFETHCSE	5100	0.28	0.45	0.00	1.00
S9LIFETHCSE	4335	0.27	0.44	0.00	1.00
S10LIFETHCSE	5235	0.25	0.43	0.00	1.00
S11LIFETHCSE	4541	0.24	0.43	0.00	1.00
R8DRUGCSE	7544	0.19	0.39	0.00	1.00
R9DRUGCSE	6886	0.19	0.39	0.00	1.00
R10DRUGCSE	8114	0.18	0.38	0.00	1.00
R11DRUGCSE	7210	0.18	0.39	0.00	1.00
S8DRUGCSE	5112	0.17	0.38	0.00	1.00
S9DRUGCSE	4349	0.17	0.37	0.00	1.00
S10DRUGCSE	5233	0.16	0.37	0.00	1.00
S11DRUGCSE	4536	0.17	0.37	0.00	1.00
R9POLICE	6950	0.05	0.21	0.00	1.00
R10POLICE	8199	0.06	0.25	0.00	1.00
R11POLICE	7270	0.06	0.23	0.00	1.00
S9POLICE	4376	0.05	0.23	0.00	1.00
S10POLICE	5261	0.07	0.26	0.00	1.00
S11POLICE	4556	0.06	0.24	0.00	1.00
RALSEVENT	20224	1.19	1.20	0.00	7.00
S1LSEVENT	6170	1.24	1.20	0.00	6.00
S2LSEVENT	7103	1.23	1.19	0.00	6.00
S3LSEVENT	6992	1.23	1.18	0.00	6.00
S4LSEVENT	9268	1.22	1.18	0.00	6.00
S5LSEVENT	9130	1.22	1.19	0.00	6.00
S6LSEVENT	9031	1.22	1.19	0.00	6.00
S7LSEVENT	10732	1.19	1.17	0.00	6.00
S8LSEVENT	10331	1.19	1.18	0.00	7.00
S9LSEVENT	9747	1.18	1.18	0.00	7.00
S10LSEVENT	11125	1.12	1.17	0.00	7.00
S11LSEVENT	10250	1.11	1.17	0.00	7.00
S12LSEVENT	8891	1.10	1.17	0.00	7.00
S13LSEVENT	7526	1.08	1.16	0.00	7.00
S14LSEVENT	5980	1.07	1.14	0.00	7.00
S15LSEVENT	5262	1.05	1.13	0.00	7.00
RALSEVENTM	20530	0.20	0.98	0.00	7.00
S1LSEVENTM	6265	0.18	0.96	0.00	7.00
S2LSEVENTM	7223	0.22	1.03	0.00	7.00
S3LSEVENTM	7100	0.21	0.99	0.00	7.00
S4LSEVENTM	9405	0.19	0.96	0.00	7.00
S5LSEVENTM	9261	0.19	0.95	0.00	7.00
S6LSEVENTM	9167	0.19	0.97	0.00	7.00
S7LSEVENTM	10904	0.19	0.98	0.00	7.00
S8LSEVENTM	10335	0.06	0.40	0.00	7.00
S9LSEVENTM	9747	0.04	0.32	0.00	6.00
S10LSEVENTM	11125	0.04	0.29	0.00	6.00
S11LSEVENTM	10254	0.04	0.31	0.00	7.00

S12LSEVENTM	8895	0.03	0.29	0.00	7.00
S13LSEVENTM	7528	0.03	0.26	0.00	7.00
S14LSEVENTM	5981	0.03	0.23	0.00	7.00
S15LSEVENTM	5266	0.03	0.31	0.00	7.00
RACSEVENT	19805	0.29	0.58	0.00	3.00
S1CSEVENT	6058	0.24	0.52	0.00	3.00
S2CSEVENT	6921	0.22	0.49	0.00	3.00
S3CSEVENT	6816	0.22	0.49	0.00	3.00
S4CSEVENT	9065	0.23	0.51	0.00	3.00
S5CSEVENT	8929	0.24	0.52	0.00	3.00
S6CSEVENT	8834	0.24	0.52	0.00	3.00
S7CSEVENT	10500	0.26	0.55	0.00	3.00
S8CSEVENT	10209	0.27	0.55	0.00	3.00
S9CSEVENT	9674	0.27	0.56	0.00	3.00
S10CSEVENT	11067	0.31	0.60	0.00	3.00
S11CSEVENT	10209	0.32	0.60	0.00	3.00
S12CSEVENT	8859	0.32	0.60	0.00	3.00
S13CSEVENT	7500	0.33	0.61	0.00	3.00
S14CSEVENT	5965	0.34	0.61	0.00	3.00
S15CSEVENT	5242	0.34	0.62	0.00	3.00
RACSEVENTM	19838	0.12	0.34	0.00	3.00
S1CSEVENTM	6062	0.12	0.34	0.00	3.00
S2CSEVENTM	6931	0.15	0.38	0.00	3.00
S3CSEVENTM	6825	0.15	0.37	0.00	3.00
S4CSEVENTM	9077	0.14	0.37	0.00	3.00
S5CSEVENTM	8939	0.14	0.36	0.00	3.00
S6CSEVENTM	8845	0.14	0.37	0.00	3.00
S7CSEVENTM	10515	0.13	0.35	0.00	3.00
S8CSEVENTM	10223	0.13	0.35	0.00	3.00
S9CSEVENTM	9679	0.10	0.30	0.00	3.00
S10CSEVENTM	11067	0.05	0.22	0.00	2.00
S11CSEVENTM	10211	0.05	0.22	0.00	3.00
S12CSEVENTM	8860	0.04	0.21	0.00	3.00
S13CSEVENTM	7500	0.04	0.20	0.00	2.00
S14CSEVENTM	5966	0.04	0.19	0.00	3.00
S15CSEVENTM	5243	0.04	0.19	0.00	3.00
RACHSHLT	38012	1.83	1.01	1.00	5.00
S1CHSHLT	8576	1.83	0.99	1.00	5.00
S2CHSHLT	11307	1.85	0.99	1.00	5.00
S3CHSHLT	10988	1.85	0.99	1.00	5.00
S4CHSHLT	13959	1.82	0.98	1.00	5.00
S5CHSHLT	12719	1.82	0.98	1.00	5.00
S6CHSHLT	11624	1.80	0.97	1.00	5.00
S7CHSHLT	12960	1.77	0.96	1.00	5.00
S8CHSHLT	11723	1.77	0.96	1.00	5.00
S9CHSHLT	10618	1.76	0.96	1.00	5.00
S10CHSHLT	13368	1.76	0.97	1.00	5.00
S11CHSHLT	12320	1.76	0.97	1.00	5.00
S12CHSHLT	10876	1.75	0.97	1.00	5.00
S13CHSHLT	11604	1.76	0.98	1.00	5.00
S14CHSHLT	9231	1.75	0.97	1.00	5.00
S15CHSHLT	8311	1.72	0.95	1.00	5.00
RAFINANCH	37891	2.23	0.58	1.00	3.00
S4FINANCH	13792	2.25	0.56	1.00	3.00
S5FINANCH	12562	2.25	0.57	1.00	3.00

S6FINANCH	11474	2.25	0.56	1.00	3.00
S7FINANCH	12796	2.22	0.56	1.00	3.00
S8FINANCH	11575	2.23	0.56	1.00	3.00
S9FINANCH	10492	2.23	0.56	1.00	3.00
S10FINANCH	13349	2.21	0.57	1.00	3.00
S11FINANCH	12333	2.21	0.58	1.00	3.00
S12FINANCH	10883	2.20	0.58	1.00	3.00
S13FINANCH	11639	2.19	0.59	1.00	3.00
S14FINANCH	9256	2.19	0.58	1.00	3.00
S15FINANCH	8380	2.17	0.58	1.00	3.00
RALIVDIFFCH	12922	0.04	0.20	0.00	1.00
S1LIVDIFFCH	3309	0.04	0.20	0.00	1.00
S2LIVDIFFCH	3374	0.04	0.20	0.00	1.00
S3LIVDIFFCH	3346	0.04	0.19	0.00	1.00
S4LIVDIFFCH	4684	0.04	0.20	0.00	1.00
S5LIVDIFFCH	4659	0.04	0.20	0.00	1.00
S6LIVDIFFCH	4658	0.04	0.20	0.00	1.00
S7LIVDIFFCH	5942	0.04	0.19	0.00	1.00
S8LIVDIFFCH	5807	0.04	0.19	0.00	1.00
S9LIVDIFFCH	5694	0.04	0.19	0.00	1.00
S10LIVDIFFCH	7840	0.04	0.19	0.00	1.00
S11LIVDIFFCH	7720	0.04	0.19	0.00	1.00
S12LIVDIFFCH	7454	0.04	0.19	0.00	1.00
S13LIVDIFFCH	7422	0.04	0.19	0.00	1.00
S14LIVDIFFCH	6296	0.04	0.19	0.00	1.00
S15LIVDIFFCH	5644	0.04	0.19	0.00	1.00
RAPADIVCH	12923	0.16	0.37	0.00	1.00
S1PADIVCH	3306	0.12	0.33	0.00	1.00
S2PADIVCH	3376	0.12	0.32	0.00	1.00
S3PADIVCH	3346	0.12	0.32	0.00	1.00
S4PADIVCH	4680	0.12	0.32	0.00	1.00
S5PADIVCH	4656	0.12	0.32	0.00	1.00
S6PADIVCH	4655	0.12	0.33	0.00	1.00
S7PADIVCH	5935	0.13	0.33	0.00	1.00
S8PADIVCH	5801	0.13	0.33	0.00	1.00
S9PADIVCH	5687	0.13	0.33	0.00	1.00
S10PADIVCH	7837	0.15	0.36	0.00	1.00
S11PADIVCH	7718	0.15	0.36	0.00	1.00
S12PADIVCH	7458	0.15	0.36	0.00	1.00
S13PADIVCH	7427	0.16	0.37	0.00	1.00
S14PADIVCH	6297	0.16	0.36	0.00	1.00
S15PADIVCH	5640	0.16	0.37	0.00	1.00
RAPADIECH	12853	0.22	0.42	0.00	1.00
S1PADIECH	3299	0.22	0.41	0.00	1.00
S2PADIECH	3368	0.22	0.41	0.00	1.00
S3PADIECH	3342	0.22	0.41	0.00	1.00
S4PADIECH	4663	0.21	0.41	0.00	1.00
S5PADIECH	4641	0.21	0.41	0.00	1.00
S6PADIECH	4632	0.21	0.41	0.00	1.00
S7PADIECH	5916	0.20	0.40	0.00	1.00
S8PADIECH	5784	0.20	0.40	0.00	1.00
S9PADIECH	5664	0.20	0.40	0.00	1.00
S10PADIECH	7804	0.20	0.40	0.00	1.00
S11PADIECH	7684	0.21	0.40	0.00	1.00
S12PADIECH	7424	0.20	0.40	0.00	1.00
S13PADIECH	7393	0.20	0.40	0.00	1.00
S14PADIECH	6273	0.20	0.40	0.00	1.00

S15PADIECH	5623	0.19	0.39	0.00	1.00
RASEPMOM	12977	0.14	0.34	0.00	1.00
S1SEPMOM	3326	0.12	0.32	0.00	1.00
S2SEPMOM	3393	0.12	0.33	0.00	1.00
S3SEPMOM	3365	0.12	0.32	0.00	1.00
S4SEPMOM	4701	0.12	0.33	0.00	1.00
S5SEPMOM	4681	0.12	0.33	0.00	1.00
S6SEPMOM	4676	0.12	0.33	0.00	1.00
S7SEPMOM	5964	0.12	0.32	0.00	1.00
S8SEPMOM	5827	0.12	0.32	0.00	1.00
S9SEPMOM	5710	0.12	0.32	0.00	1.00
S10SEPMOM	7867	0.12	0.33	0.00	1.00
S11SEPMOM	7748	0.13	0.33	0.00	1.00
S12SEPMOM	7488	0.13	0.33	0.00	1.00
S13SEPMOM	7456	0.13	0.33	0.00	1.00
S14SEPMOM	6320	0.12	0.33	0.00	1.00
S15SEPMOM	5666	0.12	0.33	0.00	1.00
RASEPDAD	12967	0.25	0.43	0.00	1.00
S1SEPDAD	3322	0.22	0.41	0.00	1.00
S2SEPDAD	3388	0.22	0.41	0.00	1.00
S3SEPDAD	3361	0.21	0.41	0.00	1.00
S4SEPDAD	4703	0.21	0.41	0.00	1.00
S5SEPDAD	4682	0.21	0.41	0.00	1.00
S6SEPDAD	4679	0.22	0.41	0.00	1.00
S7SEPDAD	5963	0.21	0.41	0.00	1.00
S8SEPDAD	5826	0.21	0.41	0.00	1.00
S9SEPDAD	5710	0.21	0.41	0.00	1.00
S10SEPDAD	7867	0.23	0.42	0.00	1.00
S11SEPDAD	7747	0.23	0.42	0.00	1.00
S12SEPDAD	7480	0.23	0.42	0.00	1.00
S13SEPDAD	7445	0.23	0.42	0.00	1.00
S14SEPDAD	6311	0.23	0.42	0.00	1.00
S15SEPDAD	5658	0.23	0.42	0.00	1.00
RALHCHILD	13069	0.43	0.64	0.00	3.00
S1LHCHILD	3349	0.38	0.60	0.00	3.00
S2LHCHILD	3420	0.37	0.61	0.00	3.00
S3LHCHILD	3391	0.37	0.60	0.00	3.00
S4LHCHILD	4736	0.37	0.60	0.00	3.00
S5LHCHILD	4712	0.37	0.61	0.00	3.00
S6LHCHILD	4708	0.37	0.60	0.00	3.00
S7LHCHILD	6003	0.36	0.60	0.00	3.00
S8LHCHILD	5867	0.36	0.61	0.00	3.00
S9LHCHILD	5750	0.36	0.61	0.00	3.00
S10LHCHILD	7919	0.38	0.62	0.00	3.00
S11LHCHILD	7799	0.39	0.62	0.00	3.00
S12LHCHILD	7532	0.39	0.62	0.00	3.00
S13LHCHILD	7497	0.39	0.62	0.00	3.00
S14LHCHILD	6353	0.39	0.61	0.00	3.00
S15LHCHILD	5694	0.38	0.61	0.00	3.00
RALHCHILD	13335	0.10	0.47	0.00	3.00
S1LHCHILD	3414	0.10	0.46	0.00	3.00
S2LHCHILD	3478	0.09	0.44	0.00	3.00
S3LHCHILD	3453	0.09	0.45	0.00	3.00
S4LHCHILD	4820	0.09	0.44	0.00	3.00
S5LHCHILD	4795	0.09	0.44	0.00	3.00

S6LHCHILDM	4794	0.09	0.45	0.00	3.00
S7LHCHILDM	6105	0.09	0.43	0.00	3.00
S8LHCHILDM	5964	0.08	0.43	0.00	3.00
S9LHCHILDM	5850	0.09	0.44	0.00	3.00
S10LHCHILDM	8086	0.10	0.47	0.00	3.00
S11LHCHILDM	7957	0.09	0.46	0.00	3.00
S12LHCHILDM	7689	0.10	0.47	0.00	3.00
S13LHCHILDM	7645	0.09	0.45	0.00	3.00
S14LHCHILDM	6481	0.09	0.46	0.00	3.00
S15LHCHILDM	5810	0.09	0.46	0.00	3.00

## Categorical Variable Codes

Value-----	RAMISCHLTH
.a:not in survey when asked	12626
.d:DK	82
.m:Missing	1480
.r:Refuse	2
.s:not asked, in internet s	3844
0.no	21791
1.yes	2581

Value-----	S9MISCHLTH	S10MISCHLTH
.d:DK	23	32
.m:Missing	643	626
.r:Refuse	1	1
.s:not asked, in internet s	2936	2709
.u:not coupled	6212	7804
.v:SP NR	365	722
0.no	6232	9049
1.yes	805	1091

Value-----	S11MISCHLTH	S12MISCHLTH	S13MISCHLTH	S14MISCHLTH	S15MISCHLTH
.a:not in survey when asked			64	56	73
.d:DK	30	23	21	21	16
.m:Missing	540	448	338	212	215
.r:Refuse	1	1	1	1	
.s:not asked, in internet s	2480	2222	1962	1666	1505
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	8414	7438	8406	6630	6001
1.yes	1011	880	986	772	656

Value-----	R8PABUSED	R9PABUSED	R10PABUSED
.c:not in self-completion m	10739	10144	13702
.m:Missing	121	146	157
0.no	7161	6427	7554
1.yes	448	500	621

Value-----	R11PABUSED
.c:not in self-completion m	13142
.m:Missing	160
0.no	6665
1.yes	587

Value-----	S8PABUSED	S9PABUSED	S10PABUSED
.c:not in self-completion m	6538	6211	8173
.m:Missing	57	72	84
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
0.no	4830	4067	4858
1.yes	303	290	393

Value-----	S11PABUSED
.c:not in self-completion m	7840
.m:Missing	90
.u:not coupled	7483
.v:SP NR	595
0.no	4209
1.yes	337

Value-----	R8PADRUG	R9PADRUG	R10PADRUG
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.c:not in self-completion m		10739	10144	13702
.m:Missing		137	131	151
0.no		6474	5874	6745
1.yes		1119	1068	1436

Value-----	R11PADRUG
.c:not in self-completion m	13142
.m:Missing	143
0.no	6065
1.yes	1204

Value-----	S8PADRUG	S9PADRUG	S10PADRUG
.c:not in self-completion m	6538	6211	8173
.m:Missing	64	63	81
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
0.no	4331	3690	4310
1.yes	795	676	944

Value-----	S11PADRUG
.c:not in self-completion m	7840
.m:Missing	78
.u:not coupled	7483
.v:SP NR	595
0.no	3802
1.yes	756

Value-----	R8NADISE	R9NADISE	R10NADISE
.c:not in self-completion m	10739	10144	13702
.m:Missing	156	152	175
0.no	6171	5633	6646
1.yes	1403	1288	1511

Value-----	R11NADISE
.c:not in self-completion m	13142
.m:Missing	162
0.no	5996
1.yes	1254

Value-----	S8NADISE	S9NADISE	S10NADISE
.c:not in self-completion m	6538	6211	8173
.m:Missing	79	72	85
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
0.no	4167	3551	4254
1.yes	944	806	996

Value-----	S11NADISE
.c:not in self-completion m	7840
.m:Missing	89
.u:not coupled	7483
.v:SP NR	595
0.no	3775
1.yes	772

Value-----	R8COMBATE	R9COMBATE	R10COMBATE
.c:not in self-completion m	10739	10144	13702
.m:Missing	144	145	165
0.no	7062	6480	7725
1.yes	524	448	442

Value-----	R11COMBATE
.c:not in self-completion m	13142
.m:Missing	164
0.no	6904
1.yes	344

Value-----	S8COMBATE	S9COMBATE	S10COMBATE
.c:not in self-completion m	6538	6211	8173
.m:Missing	68	67	79
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
0.no	4714	4057	4939
1.yes	408	305	317

Value-----	S11COMBATE
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.c:not in self-completion m	7840
.m:Missing	90
.u:not coupled	7483
.v:SP NR	595
0.no	4312
1.yes	234

Value-----	R7ATTACKE	R8ATTACKE	R9ATTACKE	R10ATTACKE
.c:not in self-completion m	12370	10739	10144	13702
.m:Missing	1325	145	159	177
.n:not given Psycho-Social	3269			
0.no	2923	7062	6486	7559
1.yes	242	523	428	596

Value-----	R11ATTACKE
.c:not in self-completion m	13142
.m:Missing	167
0.no	6688
1.yes	557

Value-----	S7ATTACKE	S8ATTACKE	S9ATTACKE	S10ATTACKE
.c:not in self-completion m	7535	6538	6211	8173
.m:Missing	821	66	72	89
.n:not given Psycho-Social	2349			
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	2113	4829	4111	4926
1.yes	150	295	246	320

Value-----	S11ATTACKE
.c:not in self-completion m	7840
.m:Missing	88
.u:not coupled	7483
.v:SP NR	595
0.no	4250
1.yes	298

Value-----	R7LIFETHE	R8LIFETHE	R9LIFETHE	R10LIFETHE
.c:not in self-completion m	12370	10739	10144	13702
.m:Missing	1328	176	163	176
.n:not given Psycho-Social	3269			
0.no	2224	5502	4970	5995
1.yes	938	2052	1940	2161

Value-----	R11LIFETHE
.c:not in self-completion m	13142
.m:Missing	180
0.no	5372
1.yes	1860

Value-----	S7LIFETHE	S8LIFETHE	S9LIFETHE	S10LIFETHE
.c:not in self-completion m	7535	6538	6211	8173
.m:Missing	825	96	77	89
.n:not given Psycho-Social	2349			
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
0.no	1569	3731	3165	3850
1.yes	690	1363	1187	1396

Value-----	S11LIFETHE
.c:not in self-completion m	7840
.m:Missing	100
.u:not coupled	7483
.v:SP NR	595
0.no	3386
1.yes	1150

Value-----	R7CHDEATHE	R8CHDEATHE	R9CHDEATHE	R10CHDEATHE
.c:not in self-completion m	12370	10739	10144	13702
.m:Missing	1305	183	154	210
.n:not given Psycho-Social	3269			
0.no	2716	6324	5666	6899
1.yes	469	1223	1253	1223

Value-----	R11CHDEATHE
.c:not in self-completion m	13142

.m:Missing		169				
0.no		6096				
1.yes		1147				
Value-----			S7CHDEATHE	S8CHDEATHE	S9CHDEATHE	S10CHDEATHE
.c:not in self-completion m			7535	6538	6211	8173
.m:Missing			807	72	64	91
.n:not given Psycho-Social			2349			
.u:not coupled			6781	6424	6212	7804
.v:SP NR			380	317	365	722
0.no			1965	4382	3671	4543
1.yes			312	736	694	701
Value-----		S11CHDEATHE				
.c:not in self-completion m		7840				
.m:Missing		87				
.u:not coupled		7483				
.v:SP NR		595				
0.no		3917				
1.yes		632				
Value-----			R7LIFETHCSE	R8LIFETHCSE	R9LIFETHCSE	R10LIFETHCSE
.c:not in self-completion m			12370	10739	10144	13702
.m:Missing			1344	223	206	226
.n:not given Psycho-Social			3269			
0.no			2043	5306	4822	5977
1.yes			1103	2201	2045	2129
Value-----		R11LIFETHCSE				
.c:not in self-completion m		13142				
.m:Missing		200				
0.no		5385				
1.yes		1827				
Value-----			S7LIFETHCSE	S8LIFETHCSE	S9LIFETHCSE	S10LIFETHCSE
.c:not in self-completion m			7535	6538	6211	8173
.m:Missing			829	90	94	100
.n:not given Psycho-Social			2349			
.u:not coupled			6781	6424	6212	7804
.v:SP NR			380	317	365	722
0.no			1501	3691	3160	3915
1.yes			754	1409	1175	1320
Value-----		S11LIFETHCSE				
.c:not in self-completion m		7840				
.m:Missing		95				
.u:not coupled		7483				
.v:SP NR		595				
0.no		3434				
1.yes		1107				
Value-----				R8DRUGCSE	R9DRUGCSE	R10DRUGCSE
.c:not in self-completion m				10739	10144	13702
.m:Missing				186	187	218
0.no				6141	5586	6660
1.yes				1403	1300	1454
Value-----		R11DRUGCSE				
.c:not in self-completion m		13142				
.m:Missing		202				
0.no		5904				
1.yes		1306				
Value-----				S8DRUGCSE	S9DRUGCSE	S10DRUGCSE
.c:not in self-completion m				6538	6211	8173
.m:Missing				78	80	102
.u:not coupled				6424	6212	7804
.v:SP NR				317	365	722
0.no				4237	3628	4389
1.yes				875	721	844
Value-----		S11DRUGCSE				
.c:not in self-completion m		7840				
.m:Missing		100				
.u:not coupled		7483				
.v:SP NR		595				

0.no | 3780  
1.yes | 756

Value-----	R9POLICE	R10POLICE
.c:not in self-completion m	10144	13702
.m:Missing	123	133
0.no	6613	7670
1.yes	337	529

Value-----	R11POLICE
.c:not in self-completion m	13142
.m:Missing	142
0.no	6845
1.yes	425

Value-----	S9POLICE	S10POLICE
.c:not in self-completion m	6211	8173
.m:Missing	53	74
.u:not coupled	6212	7804
.v:SP NR	365	722
0.no	4136	4887
1.yes	240	374

Value-----	S11POLICE
.c:not in self-completion m	7840
.m:Missing	80
.u:not coupled	7483
.v:SP NR	595
0.no	4282
1.yes	274

Value-----	RACHSHLT
.a:not in survey when asked	4002
.d:DK	25
.m:Missing	367
1.excellent	19090
2.very good	9638
3.good	6597
4.fair	2058
5.poor	629

Value-----	S1CHSHLT	S2CHSHLT	S3CHSHLT	S4CHSHLT	S5CHSHLT
.a:not in survey when asked	1309	1755	905		
.d:DK	3	6	8	7	
.m:Missing	12	20	15	12	11
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
1.excellent	4284	5459	5288	6953	6358
2.very good	2191	2980	2904	3579	3248
3.good	1527	2128	2068	2574	2348
4.fair	448	573	567	656	598
5.poor	126	167	161	197	167

Value-----	S6CHSHLT	S7CHSHLT	S8CHSHLT	S9CHSHLT	S10CHSHLT
.d:DK		1			
.m:Missing	8	7	5	22	140
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.excellent	5908	6796	6167	5609	7152
2.very good	2943	3230	2937	2651	3279
3.good	2096	2191	1945	1738	2100
4.fair	534	596	546	500	678
5.poor	143	147	128	120	159

Value-----	S11CHSHLT	S12CHSHLT	S13CHSHLT	S14CHSHLT	S15CHSHLT
.m:Missing	156	136	174	127	155
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.excellent	6630	5865	6191	5001	4590
2.very good	3008	2677	2899	2269	2044
3.good	1900	1648	1749	1371	1197
4.fair	632	551	618	469	381
5.poor	150	135	147	121	99

Value-----	RAFINANCH
.a:not in survey when asked	4002

.d:DK		30
.m:Missing		438
.n:it varied		39
.r:Refuse		6
1.pretty well off financial		3045
2.about average		23070
3.poor		11776

Value-----		S4FINANCH	S5FINANCH
.d:DK		35	5
.m:Missing			158
.n:it varied		146	5
.r:Refuse		5	
.u:not coupled		6870	6537
.v:SP NR		536	311
1.pretty well off financial		893	819
2.about average		8502	7748
3.poor		4397	3995

Value-----	S6FINANCH	S7FINANCH	S8FINANCH	S9FINANCH	S10FINANCH
.d:DK		4	9	1	1
.m:Missing		147	125	150	142
.n:it varied		5	33	3	5
.r:Refuse		2	5		
.u:not coupled		6313	6781	6424	6212
.v:SP NR		220	380	317	365
1.pretty well off financial		750	914	819	728
2.about average		7155	8097	7328	6666
3.poor		3569	3785	3428	3098

Value-----	S11FINANCH	S12FINANCH	S13FINANCH	S14FINANCH	S15FINANCH
.d:DK		1	4	1	2
.m:Missing		142	126	103	100
.n:it varied			3	30	
.r:Refuse				2	1
.u:not coupled		7483	7125	8025	6684
.v:SP NR		595	610	1109	1104
1.pretty well off financial		1029	923	1095	865
2.about average		7693	6807	7216	5801
3.poor		3611	3153	3328	2590

Value-----	RALIVDIFFCH	
.a:not in survey when asked		29455
.m:Missing		29
0.no		12359
1.yes		563

Value-----	S1LIVDIFFCH	S2LIVDIFFCH	S3LIVDIFFCH	S4LIVDIFFCH	S5LIVDIFFCH
.a:not in survey when asked		6587	9710	8565	9289
.m:Missing		4	4	5	5
.u:not coupled		2373	5976	5659	6870
.v:SP NR		379	578	416	536
0.no		3175	3238	3218	4489
1.yes		134	136	128	195

Value-----	S6LIVDIFFCH	S7LIVDIFFCH	S8LIVDIFFCH	S9LIVDIFFCH	S10LIVDIFFCH
.a:not in survey when asked		6970	7021	5917	4941
.m:Missing		4	5	4	5
.u:not coupled		6313	6781	6424	6212
.v:SP NR		220	380	317	365
0.no		4464	5712	5587	5482
1.yes		194	230	220	212

Value-----	S11LIVDIFFCH	S12LIVDIFFCH	S13LIVDIFFCH	S14LIVDIFFCH	S15LIVDIFFCH
.a:not in survey when asked		4749	3550	4343	3052
.m:Missing		7	8	13	10
.u:not coupled		7483	7125	8025	6684
.v:SP NR		595	610	1109	1104
0.no		7422	7170	7133	6059
1.yes		298	284	289	237

Value-----	RAPADIVCH	
.a:not in survey when asked		29441
.m:Missing		42
0.no		10791
1.yes		2132

Value-----	S1PADIVCH	S2PADIVCH	S3PADIVCH	S4PADIVCH	S5PADIVCH
.a:not in survey when asked	6590	9709	8566	9291	8068
.m:Missing	4	3	4	7	6
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	2902	2975	2959	4131	4100
1.yes	404	401	387	549	556
Value-----	S6PADIVCH	S7PADIVCH	S8PADIVCH	S9PADIVCH	S10PADIVCH
.a:not in survey when asked	6971	7024	5919	4944	5656
.m:Missing	6	9	8	9	15
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	4095	5189	5062	4962	6673
1.yes	560	746	739	725	1164
Value-----	S11PADIVCH	S12PADIVCH	S13PADIVCH	S14PADIVCH	S15PADIVCH
.a:not in survey when asked	4745	3540	4331	3049	2809
.m:Missing	13	14	20	12	17
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	6566	6343	6251	5301	4741
1.yes	1152	1115	1176	996	899
Value-----	RAPADIECH				
.a:not in survey when asked	29514				
.m:Missing	39				
0.no	9968				
1.yes	2885				
Value-----	S1PADIECH	S2PADIECH	S3PADIECH	S4PADIECH	S5PADIECH
.a:not in survey when asked	6597	9717	8570	9307	8081
.m:Missing	4	3	4	8	8
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	2578	2630	2611	3677	3663
1.yes	721	738	731	986	978
Value-----	S6PADIECH	S7PADIECH	S8PADIECH	S9PADIECH	S10PADIECH
.a:not in survey when asked	6993	7043	5936	4968	5693
.m:Missing	7	9	8	8	11
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	3654	4714	4614	4507	6216
1.yes	978	1202	1170	1157	1588
Value-----	S11PADIECH	S12PADIECH	S13PADIECH	S14PADIECH	S15PADIECH
.a:not in survey when asked	4781	3578	4370	3075	2832
.m:Missing	11	10	15	10	11
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	6107	5916	5897	5016	4536
1.yes	1577	1508	1496	1257	1087
Value-----	RASEPMOM				
.a:not in survey when asked	29398				
.m:Missing	31				
0.no	11191				
1.yes	1786				
Value-----	S1SEPMOM	S2SEPMOM	S3SEPMOM	S4SEPMOM	S5SEPMOM
.a:not in survey when asked	6570	9691	8546	9270	8042
.m:Missing	4	4	5	7	7
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	2930	2985	2969	4134	4104
1.yes	396	408	396	567	577
Value-----	S6SEPMOM	S7SEPMOM	S8SEPMOM	S9SEPMOM	S10SEPMOM
.a:not in survey when asked	6950	6997	5894	4924	5630
.m:Missing	6	7	7	6	11
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	4103	5260	5129	5029	6884
1.yes	573	704	698	681	983

Value-----	S11SEPMOM	S12SEPMOM	S13SEPMOM	S14SEPMOM	S15SEPMOM
.a:not in survey when asked	4718	3514	4308	3028	2789
.m:Missing	10	10	14	10	11
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	6775	6549	6516	5541	4979
1.yes	973	939	940	779	687

Value-----	RASEPDAD
.a:not in survey when asked	29404
.m:Missing	35
0.no	9764
1.yes	3203

Value-----	S1SEPDAD	S2SEPDAD	S3SEPDAD	S4SEPDAD	S5SEPDAD
.a:not in survey when asked	6573	9696	8550	9267	8040
.m:Missing	5	4	5	8	8
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	2591	2658	2654	3712	3679
1.yes	731	730	707	991	1003

Value-----	S6SEPDAD	S7SEPDAD	S8SEPDAD	S9SEPDAD	S10SEPDAD
.a:not in survey when asked	6946	6996	5893	4922	5629
.m:Missing	7	9	9	8	12
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	3666	4722	4616	4521	6079
1.yes	1013	1241	1210	1189	1788

Value-----	S11SEPDAD	S12SEPDAD	S13SEPDAD	S14SEPDAD	S15SEPDAD
.a:not in survey when asked	4717	3521	4315	3034	2793
.m:Missing	12	11	18	13	15
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	5968	5772	5719	4855	4344
1.yes	1779	1708	1726	1456	1314

### How Constructed:

Many of the questions in this section are asked of the same respondent in more than one wave. Sometimes the values in each wave do not agree. Wave-specific variables are as reported, whereas summary variables are as described below.

RAMISCHLTH indicates whether the respondent missed a month or more of school before age 16 because of a health condition.

RwPABUSED indicates whether the respondent was physically abused by either of their parents before age 18.

RwPADRUG indicates whether either of the respondent's parents drank or used drugs so often that it caused problems in the family before age 18.

RwNADISE indicates whether the respondent has ever been in a major fire, flood, earthquake or other natural disaster.

RwCOMBATE indicates whether the respondent has ever fired a weapon in combat or been fired upon in combat.

RwATTACKE indicates whether the respondent was a victim of a serious physical attack or assault.

RwLIFETHE indicates whether the respondent has ever had a life-threatening illness or accident.

RwCHDEATHE indicates whether the respondent has experienced the death of their own child.

RwLIFETHCSE indicates whether the respondent's spouse or a child has ever had a life-threatening illness or accident.

RwDRUGCSE indicates whether the respondent's spouse, partner, or child has ever been addicted to drugs or alcohol.

RwPOLICE indicates whether the respondent has been in trouble with the police before the age of 18.

RAMISCHLTH, RWPABUSED, RWPADRUG, RWNADISE, RWCOMBATE, RWATTACKE, RWLIFETHE, RWCHDEATHE, RWLIFETHCSE, RWDRUGCSE, and RWPOLICE are given a code of 1 if the respondent experienced the event. A code of 0 is assigned if the respondent did not experience the event. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .a is assigned to RAMISCHLTH if the respondent was not interviewed when the question was asked. Special missing .n is assigned for RWATTACKE, RWLIFETHE, RWCHDEATHE, and RWLIFETHCSE in Wave 7 when the question is skipped because the respondent was only asked to answer the disability questionnaire and not the psychosocial questionnaire. Starting in Wave 9, special missing .s is assigned to RAMISCHLTH if the respondent is not asked this question because they participated in the 2006 internet survey. Special missing .d and .r are assigned when the respondent responded to the question with "don't know" and refused to answer, respectively. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. Plain missing (.) is assigned if the respondent is not the wave.

SwMISCHLTH, SwPABUSED, SwPADRUG, SwNADISE, SwCOMBATE, SwATTACKE, SwLIFETHE, SwCHDEATHE, SwLIFETHCSE, SwDRUGCSE, and SwPOLICE indicate the respondent's current wave's spouse's experience with lifetime stressful experiences, and their values are taken from RAMISCHLTH, RWPABUSED, RWPADRUG, RWNADISE, RWCOMBATE, RWATTACKE, RWLIFETHE, RWCHDEATHE, RWLIFETHCSE, RWDRUGCSE, and RWPOLICE. In addition to the special missing codes used in the respondent variables, the spouse variables employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RALSEVENT is the count of how many lifetime stressful events the respondent experienced. The count is based on the latest report of whether the respondent has ever been in a major fire, flood, earthquake or other natural disaster (RWNADISE), whether the respondent has ever fired a weapon in combat or been fired upon in combat (RWCOMBATE), whether the respondent was a victim of a serious physical attack or assault (RWATTACKE), whether the respondent ever had a life-threatening illness or accident (RWLIFETHE), whether the respondent has experienced the death of their own child (RWCHDEATHE), whether the respondent's spouse or a child has ever had a life-threatening illness or accident (RWLIFETHCSE), and whether the respondent's spouse, partner, or child has ever been addicted to drugs or alcohol (RWDRUGCSE). RALSEVENT is calculated as long as one of the component variables is non-missing. RALSEVENTM is the count of missing components in RALSEVENT, which could be between no missing components (0) and seven missing components (7). Special missing .c is assigned to RALSEVENT and RALSEVENTM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RALSEVENT if all seven components of this count are missing.

SwLSEVENT and SwLSEVENTM are the count of how many lifetime stressful events and the count of missing components for the current wave's spouse, and their values are taken from RALSEVENT and RALSEVENTM. In addition to the special missing codes used in RALSEVENT and RALSEVENTM, SwLSEVENT and SwLSEVENTM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed. Plain missing (.) is assigned to SwLSEVENT and SwLSEVENTM if the respondent's spouse is not the wave.

RACSEVENT is the count of how many stressful events the respondent experienced by the age of 18. The count is based on the earliest report of whether the respondent was in trouble with the police before the age of 18 (RwPOLICE), whether either of the respondent's parents drank or used drugs so often that it caused problems in the family before age 18 (RwPADRUG), and whether the respondent was physically abused by either of their parents before age 18 (RwPABUSED). RACSEVENT is calculated as long as one of the component variables is non-missing. RACSEVENTM is the count of missing components in RACSEVENT, which could be between no missing components (0) and three missing components (3). Special missing .c is assigned to RACSEVENT and RACSEVENTM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RACSEVENT if all three components of this count were missing.

SwCSEVENT and SwCSEVENTM are the count of how many childhood stressful events and the count of missing components for the current wave's spouse, and their values are taken from RACSEVENT and RACSEVENTM. In

addition to the special missing codes used in RACSEVENT and RACSEVENTM, SwCSEVENT and SwCSEVENTM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed. Plain missing (.) is assigned to SwCSEVENT and SwCSEVENTM if the respondent's spouse is not the wave.

RACHSHLT is the respondent's self-rated health while they were growing up, before age 16. The respondent used a scale ranging from Excellent to Poor. RACHSHLT is coded as follows: 1.excellent, 2.very good, 3.good, 4.fair, 5.poor. RACHSHLT takes the first non-missing value reported and is asked starting in Wave 4. Don't know, refused, or other missing responses to RACHSHLT are assigned special missing values .d, .r, .m respectively. Special missing value .a is assigned for RACHSHLT if the respondent did not participate in a wave in which the question was asked.

RAFINANCH is the respondent's self-rated family financial situation while they were growing up, before age 16. A code of 1 is assigned if the respondent feels the financial situation in the family while they were growing up was pretty well off. A code of 2 is assigned if the respondent feels the financial situation in the family while they were growing up was about average. A code of 3 is assigned if the respondent feels the financial situation in the family was poor. Special missing .n is assigned if the respondent feels the financial situation varied. Special missing .a is assigned if the respondent was not interviewed when the question was asked as the question was added starting in Wave 4. Don't know, refused, or other missing responses to RAFINANCH are assigned special missing values .d, .r, .m respectively.

SwCHSHLT and SwFINANCH are the respondent's current wave's spouse's self-rated health and family financial situation while they were growing up, and their values are taken from RACHSHLT and RAFINANCH. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed. Plain missing (.) is assigned if the respondent's spouse is not in the wave.

RALIVDIFFCH indicates whether the respondent experienced a difficult living arrangement before age 16. A code of 1 is assigned if the respondent had ever lived in a children's home, orphanage, a foster family or a boarding school. A code of 0 is assigned if the respondent never lived in a children's home, orphanage, a foster family or a boarding school. RALIVDIFFCH takes the first non-missing report. Special missing .a is assigned if the respondent was not asked this question as part of the HRS Life History Survey. Special missing .m is assigned if the response for the question is missing.

RAPADIVCH indicates whether the respondent's parents separated or divorced before age 16. RAPADIECH indicates whether one or both of the respondent's parents died before age 16. RASEPMOM indicates whether the respondent was ever separated from their mother before age 16. RASEPDAD indicates whether the respondent was ever separated from their father before age 16. A code of 1 is assigned if the respondent agrees with the statement. A code of 0 is assigned if the respondent disagrees with the statement. RAPADIVCH, RAPADIECH, RASEPMOM, and RASEPDAD take the first non-missing report. Special missing .a is assigned if the respondent was not asked this question as part of the HRS Life History Survey. Special missing .m is assigned if the response for the question is missing.

SwLIVDIFFCH, SwPADIVCH, SwPADIECH, SwSEPMOM and SwSEPDAD indicate the respondent's current wave's spouse's living and family situations in childhood, and their values are taken from the RALIVDIFFCH, RAPADIVCH, RAPADIECH, RASEPMOM and RASEPDAD. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed. Plain missing (.) is assigned if the respondent's spouse is not in the wave.

RALHCHILD is the count of how many childhood stressful life events the respondent experienced by the age of 16 and is based on the following life history components: whether the respondent experienced a difficult living arrangement before age 16 (RALIVDIFFCH), whether the respondent's parents separated or divorced before age 16 (RAPADIVCH), and whether before the age of 16 one or both parents of the respondent died (RAPADIECH). RALHCHILD is calculated as long as one of the component variables is non-missing. RALHCHILDM is the count of missing components in RALHCHILD, which could be between no missing components (0) and three missing components (3). Special missing .a is assigned to RALHCHILD and RALHCHILDM if the respondent is either not eligible for or did not complete the life history



questionnaire. Special missing .m is assigned to RALHCHILD if the respondent took the life history questionnaire, but did not respond to the three components of the summary score.

SwLHCHILD is the count of how many childhood stressful life events the respondent's current wave's spouse experienced by the age of 16 and is taken from the spouse's values of RALHCHILD. SwLHCHILDM is the count of missing components in SwLHCHILD and is taken from the spouse's values of RALHCHILDM. In addition to the special missing codes used in RALHCHILD and RALHCHILDM, SwLHCHILD and SwLHCHILDM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed. Plain missing (.) is assigned if the respondent's spouse is not in the wave.

## Cross Wave Differences in HRS

Questions about self-rated health and the family financial situation while the respondent was growing up before age 16 were added at Wave 4. The self-rated health question is asked of all participants in Wave 4 and Wave 9. Participants in Waves 5 through 8 and after Wave 9 are only asked the self-rated health question if they did not participate in a previous wave. The family financial situation question is asked of all participants in Wave 4 and then only of new participants in the waves thereafter.

Questions about whether the respondent was physically abused by either of their parents, and whether their parents drank or used drugs so often that it caused problems were added in Wave 8.

Questions about whether the respondent had been a victim of an attack/assault, had a life-threatening illness or accident, has experienced the death of their own child, and has experienced a spouse or a child having a life-threatening illness or accident were added in the Wave 7 self-completion survey but were only asked to a portion of the leave-behind sample as HRS administered two self-completion surveys in Wave 7, a Psycho-Social survey and a Disability Vignettes survey. Starting in Wave 8, there was only one self-completion survey.

Questions about whether the respondent had been in a major fire, flood, earthquake or other natural disaster, had fired a weapon in combat or been fired upon in combat, and has experienced a spouse, partner, or child having an addiction to drugs or alcohol were added in Wave 8.

Questions about whether the respondent has been in trouble with the police before the age of 18 was added in Wave 9.

Questions about whether the respondent missed a month or more of school before age 16 because of a health condition were added in Wave 9. This question was also asked in an experimental module of Wave 3, but the responses are not added to the Harmonized HRS.

Questions about whether the respondent had experienced a difficult living arrangement, whether the respondent's parents separated or divorced, whether one or both of the respondent's parents died, and whether the respondent was ever separated from mother/father before age 16 were only asked in the life history questionnaires.

Many of the childhood and lifetime stressful events questions were not asked starting in Wave 12.

## HRS Variables Used:

Wave 4:		
	F992	a4a. rate health as child
	F993	a4b. rate family ses
Wave 5:		
	G1079	a4a. rate health as child
	G1080	a4b. rate family ses
Wave 6:		
	HB019	rate health as child
	HB020	rate family financial situation - ses
	HZ076	r ever interviewed
Wave 7:		
	JB019	rate health as child

JB020 rate family financial situation - ses  
 JLB527A q27a. exp death of any child of yours  
 JLB527AY q27ayr. exp death of any child -yr  
 JLB527D q27d. sp or child have life-threatening  
 JLB527DY q27dyr. sp/child have life-threaten-yr  
 JV900 leave behind instructions  
 JZ076 r ever interviewed

## Wave 8:

KB019 rate health as child  
 KB020 rate family financial situation - ses  
 KLB037A q37a. has a child of yours ever died  
 KLB037AY q37ayr. if yes - what year  
 KLB037B q37b. been in a major fire or disaster  
 KLB037BY q37byr. if yes - what year  
 KLB037C q37c. fire a weapon in combat  
 KLB037CY q37cyr. if yes - what year  
 KLB037D q37d. sp or partner addicted to drugs  
 KLB037DY q37dyr. if yes - what year  
 KLB037E q37e. ever victim of physical attack  
 KLB037EY q37eyr. victim of physical attack-yr  
 KLB037F q37f. life-threatening illness  
 KLB037FY q37fyr. life-threatening illness -yr  
 KLB037G q37g. sp or child have life-threatening  
 KLB037GY q37gyr. sp/child have life-threaten-yr  
 KLB037H q37h. a yr of schl over again before 18  
 KLB037I q37i. drink drugs caused family probs  
 KLB037J q37j. physical abused by parents bf 18  
 KLBCOMP mode completed leave behind qnaire  
 KZ076 r ever interviewed

## Wave 9:

LB099 childhood - missed school  
 LLB037A q37a. has a child of yours ever died  
 LLB037AY q37ayr. child died year  
 LLB037B q37b. been in a major fire or disaster  
 LLB037BY q37byr. fire or disaster year  
 LLB037C q37c. fire a weapon in combat  
 LLB037CY q37cyr. combat weapon year  
 LLB037D q37d. sp or partner addicted to drugs  
 LLB037DY q37dyr. sp/partner addicted year  
 LLB037E q37e. ever victim of physical attack  
 LLB037EY q37eyr. victim of physical attack-yr  
 LLB037F q37f. life-threatening illness  
 LLB037FY q37fyr. life-threatening illness -yr  
 LLB037G q37g. sp or child have life-threatening  
 LLB037GY q37gyr. sp/child have life-threaten-yr  
 LLB037L q37l. trouble with police before 18  
 LLB037M q37m. drink drugs caused family probs  
 LLB037N q37n. physical abused by parents bf 18  
 LLBCOMP mode completed leave behind qnaire  
 LZ151 completed 2006 hrs internet survey (either phase 1 or p

## Wave 10:

MB019 rate health as child  
 MB020 rate family financial situation - ses  
 MB099 childhood - missed school  
 MLB037A q37a. has a child of yours ever died  
 MLB037AY q37ayr. child died year  
 MLB037B q37b. been in a major fire or disaster  
 MLB037BY q37byr. fire or disaster year  
 MLB037C q37c. fire a weapon in combat  
 MLB037CY q37cyr. combat weapon year  
 MLB037D q37d. sp or partner addicted to drugs  
 MLB037DY q37dyr. sp/partner addicted year  
 MLB037E q37e. ever victim of physical attack

MLB037EY q37eyr. victim of physical attack-yr  
 MLB037F q37f. life-threatening illness  
 MLB037FY q37fyr. life-threatening illness -yr  
 MLB037G q37g. sp or child have life-threatening  
 MLB037GY q37gyr. sp/child have life-threaten-yr  
 MLB037L q37l. trouble with police before 18  
 MLB037M q37m. drink drugs caused family probs  
 MLB037N q37n. physical abused by parents bf 18  
 MLBCOMP mode completed leave behind qnaire  
 MZ076 r ever interviewed  
 MZ151 completed 2006 hrs internet survey (either phase 1 or p  
 Wave 11:  
 NB099 childhood - missed school  
 NLB037A q37a. has a child of yours ever died  
 NLB037AY q37ayr. child died year  
 NLB037B q37b. been in a major fire or disaster  
 NLB037BY q37byr. fire or disaster year  
 NLB037C q37c. fire a weapon in combat  
 NLB037CY q37cyr. combat weapon year  
 NLB037D q37d. sp or partner addicted to drugs  
 NLB037DY q37dyr. sp/partner addicted year  
 NLB037E q37e. ever victim of physical attack  
 NLB037EY q37eyr. victim of physical attack-yr  
 NLB037F q37f. life-threatening illness  
 NLB037FY q37fyr. life-threatening illness -yr  
 NLB037G q37g. sp or child have life-threatening  
 NLB037GY q37gyr. sp/child have life-threaten-yr  
 NLB037L q37l. trouble with police before 18  
 NLB037M q37m. drink drugs caused family probs  
 NLB037N q37n. physical abused by parents bf 18  
 NLBCOMP mode completed leave behind qnaire  
 NZ076 r ever interviewed  
 NZ151 completed 2006 hrs internet survey (either phase 1 or p  
 Wave 12:  
 OB019 rate health as child  
 OB020 rate family financial situation - ses  
 OB099 childhood - missed school  
 OLBCOMP mode completed leave behind qnaire  
 OZ076 r ever interviewed  
 OZ151 completed 2006 hrs internet survey (either phase 1 or p  
 Life History 2015:  
 LH2A\_15 LH2A. BEFORE AGE 16 ORPHANAGE  
 LH2B\_15 LH2B. BEFORE AGE 16 FOSTER HOME  
 LH2C\_15 LH2C. BEFORE AGE 16 BOARDING SCHOOL  
 LH2D\_15 LH2D. BEFORE AGE 16 PARENTS DIVORCE  
 LH2E\_15 LH2E. BEFORE AGE 16 PARENT DIED  
 LH2F\_15 LH2F. BEFORE AGE 16 SEPARATED FROM MOTHER  
 LH2G\_15 LH2G. BEFORE AGE 16 SEPARATED FROM FATHER  
 Wave 13:  
 PB019 rate health as child  
 PB020 rate family financial situation - ses  
 PB099 childhood - missed school  
 PLBCOMP mode completed leave behind qnaire  
 PZ076 r ever interviewed  
 Life History 2017 Spring:  
 LH2A\_17 LH2A. BEFORE AGE 16 ORPHANAGE  
 LH2B\_17 LH2B. BEFORE AGE 16 FOSTER HOME  
 LH2C\_17 LH2C. BEFORE AGE 16 BOARDING SCHOOL  
 LH2D\_17 LH2D. BEFORE AGE 16 PARENTS DIVORCE  
 LH2E\_17 LH2E. BEFORE AGE 16 PARENT DIED  
 LH2G\_17 LH2G. BEFORE AGE 16 SEPARATED FROM MOTHER  
 LH2H\_17 LH2H. BEFORE AGE 16 SEPARATED FROM FATHER  
 Life History 2017 Fall:

LH2A_17	LH2A.	BEFORE AGE 16 ORPHANAGE
LH2B_17	LH2B.	BEFORE AGE 16 FOSTER HOME
LH2C_17	LH2C.	BEFORE AGE 16 BOARDING SCHOOL
LH2D_17	LH2D.	BEFORE AGE 16 PARENTS DIVORCE
LH2E_17	LH2E.	BEFORE AGE 16 PARENT DIED
LH2G_17	LH2G.	BEFORE AGE 16 SEPARATED FROM MOTHER
LH2H_17	LH2H.	BEFORE AGE 16 SEPARATED FROM FATHER

## Wave 14:

QB019	rate health as child
QB020	rate family financial situation - ses
QB099	childhood - missed school
QLBCOMP	mode completed leave behind qnaire
QZ076	r ever interviewed

## Life History 2019 Spring:

LH2A_19	LH2A.	BEFORE AGE 16 ORPHANAGE
LH2B_19	LH2B.	BEFORE AGE 16 FOSTER HOME
LH2C_19	LH2C.	BEFORE AGE 16 BOARDING SCHOOL
LH2D_19	LH2D.	BEFORE AGE 16 PARENTS DIVORCE
LH2E_19	LH2E.	BEFORE AGE 16 PARENT DIED
LH2G_19	LH2G.	BEFORE AGE 16 SEPARATED FROM MOTHER
LH2H_19	LH2H.	BEFORE AGE 16 SEPARATED FROM FATHER

## Wave 15:

RB019	rate health as child
RB020	rate family financial situation - ses
RB099	childhood - missed school
RLBCOMP	mode completed leave behind qnaire
RZ076	r ever interviewed

<b>Parental Warmth</b>
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Wave	Variable	Label	Type
09	R9MOMEFT	r9momeft:w9 mother put effort into watching over r	Categ
10	R10MOMEFT	r10momeft:w10 mother put effort into watching over r	Categ
11	R11MOMEFT	r11momeft:w11 mother put effort into watching over r	Categ
09	S9MOMEFT	s9momeft:w9 mother put effort into watching over s	Categ
10	S10MOMEFT	s10momeft:w10 mother put effort into watching over s	Categ
11	S11MOMEFT	s11momeft:w11 mother put effort into watching over s	Categ
09	R9MOMATT	r9momatt:w9 r received mother's attention when needed it	Categ
10	R10MOMATT	r10momatt:w10 r received mother's attention when needed it	Categ
11	R11MOMATT	r11momatt:w11 r received mother's attention when needed it	Categ
09	S9MOMATT	s9momatt:w9 s received mother's attention when needed it	Categ
10	S10MOMATT	s10momatt:w10 s received mother's attention when needed it	Categ
11	S11MOMATT	s11momatt:w11 s received mother's attention when needed it	Categ
09	R9MOMGRELA	r9momgrela:w9 before age 18 r had a good relationship with m	Categ
10	R10MOMGRELA	r10momgrela:w10 before age 18 r had a good relationship with	Categ
11	R11MOMGRELA	r11momgrela:w11 before age 18 r had a good relationship with	Categ
09	S9MOMGRELA	s9momgrela:w9 before age 18 s had a good relationship with m	Categ
10	S10MOMGRELA	s10momgrela:w10 before age 18 s had a good relationship with	Categ
11	S11MOMGRELA	s11momgrela:w11 before age 18 s had a good relationship with	Categ
09	R9DADGRELA	r9dadgrela:w9 before age 18 r had a good relationship with f	Categ
10	R10DADGRELA	r10dadgrela:w10 before age 18 r had a good relationship with	Categ
11	R11DADGRELA	r11dadgrela:w11 before age 18 r had a good relationship with	Categ
09	S9DADGRELA	s9dadgrela:w9 before age 18 s had a good relationship with f	Categ
10	S10DADGRELA	s10dadgrela:w10 before age 18 s had a good relationship with	Categ
11	S11DADGRELA	s11dadgrela:w11 before age 18 s had a good relationship with	Categ
0A	RAPWARM	rapwarm: r parental warmth summary mean score - first report	Cont
01	S1PWARM	s1pwarm:w1 s parental warmth summary mean score - first repo	Cont
02	S2PWARM	s2pwarm:w2 s parental warmth summary mean score - first repo	Cont
03	S3PWARM	s3pwarm:w3 s parental warmth summary mean score - first repo	Cont
04	S4PWARM	s4pwarm:w4 s parental warmth summary mean score - first repo	Cont
05	S5PWARM	s5pwarm:w5 s parental warmth summary mean score - first repo	Cont
06	S6PWARM	s6pwarm:w6 s parental warmth summary mean score - first repo	Cont
07	S7PWARM	s7pwarm:w7 s parental warmth summary mean score - first repo	Cont
08	S8PWARM	s8pwarm:w8 s parental warmth summary mean score - first repo	Cont
09	S9PWARM	s9pwarm:w9 s parental warmth summary mean score - first repo	Cont
10	S10PWARM	s10pwarm:w10 s parental warmth summary mean score - first re	Cont
11	S11PWARM	s11pwarm:w11 s parental warmth summary mean score - first re	Cont
12	S12PWARM	s12pwarm:w12 s parental warmth summary mean score - first re	Cont
13	S13PWARM	s13pwarm:w13 s parental warmth summary mean score - first re	Cont
14	S14PWARM	s14pwarm:w14 s parental warmth summary mean score - first re	Cont
15	S15PWARM	s15pwarm:w15 s parental warmth summary mean score - first re	Cont
0A	RAPWARMM	rapwarmm: missings in r parental warmth summary mean score -	Cont
01	S1PWARMM	s1pwarmm:w1 missings in s parental warmth summary mean score	Cont
02	S2PWARMM	s2pwarmm:w2 missings in s parental warmth summary mean score	Cont
03	S3PWARMM	s3pwarmm:w3 missings in s parental warmth summary mean score	Cont
04	S4PWARMM	s4pwarmm:w4 missings in s parental warmth summary mean score	Cont
05	S5PWARMM	s5pwarmm:w5 missings in s parental warmth summary mean score	Cont

06	S6PWARM	s6pwarmm:w6	missings in s parental warmth summary mean score	Cont
07	S7PWARM	s7pwarmm:w7	missings in s parental warmth summary mean score	Cont
08	S8PWARM	s8pwarmm:w8	missings in s parental warmth summary mean score	Cont
09	S9PWARM	s9pwarmm:w9	missings in s parental warmth summary mean score	Cont
10	S10PWARM	s10pwarmm:w10	missings in s parental warmth summary mean sco	Cont
11	S11PWARM	s11pwarmm:w11	missings in s parental warmth summary mean sco	Cont
12	S12PWARM	s12pwarmm:w12	missings in s parental warmth summary mean sco	Cont
13	S13PWARM	s13pwarmm:w13	missings in s parental warmth summary mean sco	Cont
14	S14PWARM	s14pwarmm:w14	missings in s parental warmth summary mean sco	Cont
15	S15PWARM	s15pwarmm:w15	missings in s parental warmth summary mean sco	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9MOMEFT	6888	3.59	0.77	1.00	4.00
R10MOMEFT	8116	3.57	0.78	1.00	4.00
R11MOMEFT	7232	3.56	0.80	1.00	4.00
S9MOMEFT	4351	3.59	0.76	1.00	4.00
S10MOMEFT	5221	3.58	0.77	1.00	4.00
S11MOMEFT	4540	3.57	0.79	1.00	4.00
R9MOMATT	6891	3.44	0.82	1.00	4.00
R10MOMATT	8121	3.42	0.83	1.00	4.00
R11MOMATT	7233	3.41	0.85	1.00	4.00
S9MOMATT	4351	3.45	0.81	1.00	4.00
S10MOMATT	5227	3.43	0.82	1.00	4.00
S11MOMATT	4536	3.43	0.84	1.00	4.00
R9MOMGRELA	6723	4.18	1.12	1.00	5.00
R10MOMGRELA	7924	4.12	1.17	1.00	5.00
R11MOMGRELA	6987	4.12	1.19	1.00	5.00
S9MOMGRELA	4257	4.19	1.11	1.00	5.00
S10MOMGRELA	5108	4.15	1.15	1.00	5.00
S11MOMGRELA	4425	4.13	1.17	1.00	5.00
R9DADGRELA	6501	3.95	1.23	1.00	5.00
R10DADGRELA	7582	3.90	1.27	1.00	5.00
R11DADGRELA	6739	3.88	1.29	1.00	5.00
S9DADGRELA	4137	3.96	1.21	1.00	5.00
S10DADGRELA	4932	3.91	1.25	1.00	5.00
S11DADGRELA	4267	3.90	1.27	1.00	5.00
RAPWARM	17718	3.42	0.73	1.00	4.00
S1PWARM	5347	3.46	0.71	1.00	4.00
S2PWARM	5931	3.48	0.70	1.00	4.00
S3PWARM	5854	3.47	0.70	1.00	4.00
S4PWARM	7817	3.46	0.70	1.00	4.00
S5PWARM	7719	3.46	0.70	1.00	4.00
S6PWARM	7634	3.46	0.70	1.00	4.00
S7PWARM	9208	3.45	0.71	1.00	4.00
S8PWARM	8969	3.45	0.71	1.00	4.00
S9PWARM	8796	3.45	0.71	1.00	4.00
S10PWARM	10607	3.43	0.72	1.00	4.00
S11PWARM	9812	3.43	0.72	1.00	4.00
S12PWARM	8537	3.43	0.72	1.00	4.00
S13PWARM	7263	3.42	0.72	1.00	4.00
S14PWARM	5795	3.42	0.72	1.00	4.00

S15PWARM	5089	3.42	0.72	1.00	4.00
RAPWARMM	17743	0.06	0.28	0.00	3.00
S1PWARM	5355	0.05	0.27	0.00	3.00
S2PWARM	5941	0.06	0.29	0.00	3.00
S3PWARM	5864	0.06	0.29	0.00	3.00
S4PWARM	7828	0.05	0.27	0.00	3.00
S5PWARM	7730	0.05	0.28	0.00	3.00
S6PWARM	7645	0.05	0.27	0.00	3.00
S7PWARM	9220	0.05	0.26	0.00	3.00
S8PWARM	8980	0.05	0.26	0.00	3.00
S9PWARM	8804	0.04	0.25	0.00	3.00
S10PWARM	10609	0.04	0.24	0.00	3.00
S11PWARM	9813	0.04	0.23	0.00	3.00
S12PWARM	8538	0.04	0.22	0.00	3.00
S13PWARM	7264	0.03	0.21	0.00	3.00
S14PWARM	5797	0.04	0.21	0.00	3.00
S15PWARM	5090	0.03	0.21	0.00	3.00

### Categorical Variable Codes

Value-----	R9MOMEFT	R10MOMEFT
.c:not in self-completion m	10144	13702
.m:Missing	185	216
1.not at all	241	285
2.a little	481	634
3.some	1151	1348
4.a lot	5015	5849

Value-----	R11MOMEFT
.c:not in self-completion m	13142
.m:Missing	180
1.not at all	287
2.a little	589
3.some	1175
4.a lot	5181

Value-----	S9MOMEFT	S10MOMEFT
.c:not in self-completion m	6211	8173
.m:Missing	78	114
.u:not coupled	6212	7804
.v:SP NR	365	722
1.not at all	137	161
2.a little	319	411
3.some	755	896
4.a lot	3140	3753

Value-----	S11MOMEFT
.c:not in self-completion m	7840
.m:Missing	96
.u:not coupled	7483
.v:SP NR	595
1.not at all	172
2.a little	353
3.some	748
4.a lot	3267

Value-----	R9MOMATT	R10MOMATT
.c:not in self-completion m	10144	13702
.m:Missing	182	211
1.not at all	242	293
2.a little	734	960
3.some	1663	1884
4.a lot	4252	4984

Value-----	R11MOMATT
.c:not in self-completion m	13142
.m:Missing	179
1.not at all	304

2.a little		833
3.some		1709
4.a lot		4387

Value-----		S9MOMATT	S10MOMATT
.c:not in self-completion m		6211	8173
.m:Missing		78	108
.u:not coupled		6212	7804
.v:SP NR		365	722
1.not at all		139	164
2.a little		457	632
3.some		1078	1229
4.a lot		2677	3202

Value-----	S11MOMATT	
.c:not in self-completion m	7840	
.m:Missing		100
.u:not coupled		7483
.v:SP NR		595
1.not at all		173
2.a little		508
3.some		1060
4.a lot		2795

Value-----		R9MOMGRELA	R10MOMGRELA
.c:not in self-completion m		10144	13702
.m:Missing		134	171
.n:does not apply		216	237
1.strongly disagree		334	456
2.disagree		404	523
3.neither agree or disagree		506	671
4.agree		1968	2202
5.strongly agree		3511	4072

Value-----	R11MOMGRELA	
.c:not in self-completion m	13142	
.m:Missing		179
.n:does not apply		246
1.strongly disagree		412
2.disagree		527
3.neither agree or disagree		552
4.agree		1842
5.strongly agree		3654

Value-----		S9MOMGRELA	S10MOMGRELA
.c:not in self-completion m		6211	8173
.m:Missing		60	91
.n:does not apply		112	136
.u:not coupled		6212	7804
.v:SP NR		365	722
1.strongly disagree		197	270
2.disagree		262	329
3.neither agree or disagree		328	431
4.agree		1225	1419
5.strongly agree		2245	2659

Value-----	S11MOMGRELA	
.c:not in self-completion m	7840	
.m:Missing		85
.n:does not apply		126
.u:not coupled		7483
.v:SP NR		595
1.strongly disagree		239
2.disagree		337
3.neither agree or disagree		348
4.agree		1167
5.strongly agree		2334

Value-----		R9DADGRELA	R10DADGRELA
.c:not in self-completion m		10144	13702
.m:Missing		154	185
.n:does not apply		418	565
1.strongly disagree		468	607
2.disagree		509	691
3.neither agree or disagree		719	828
4.agree		1980	2177



5.strongly agree		2825	3279
Value-----	R11DADGRELA		
.c:not in self-completion m	13142		
.m:Missing	188		
.n:does not apply	485		
1.strongly disagree	580		
2.disagree	631		
3.neither agree or disagree	735		
4.agree	1894		
5.strongly agree	2899		
Value-----		S9DADGRELA	S10DADGRELA
.c:not in self-completion m		6211	8173
.m:Missing		66	95
.n:does not apply		226	308
.u:not coupled		6212	7804
.v:SP NR		365	722
1.strongly disagree		275	359
2.disagree		334	472
3.neither agree or disagree		460	546
4.agree		1278	1421
5.strongly agree		1790	2134
Value-----	S11DADGRELA		
.c:not in self-completion m	7840		
.m:Missing	95		
.n:does not apply	274		
.u:not coupled	7483		
.v:SP NR	595		
1.strongly disagree	331		
2.disagree	410		
3.neither agree or disagree	449		
4.agree	1236		
5.strongly agree	1841		

## How Constructed:

RwMOMEFT indicates how much effort the respondent feels their mother put into watching over and making sure the respondent had a good upbringing before age 18. RwMOMEFT has been coded so that a higher score indicates more parental warmth as follows: 1.not at all, 2.a little, 3.some, 4.a lot. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. Plain missing (.) is assigned if the respondent is not in the wave.

RwMOMATT indicates how much time and attention the respondent feels their mother gave them when they needed it before age 18. RwMOMATT has been coded so that a higher score indicates more parental warmth as follows: 1.not at all, 2.a little, 3.some, 4.a lot. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. Plain missing (.) is assigned if the respondent is not in the wave.

RwMOMGRELA indicates how much the respondent agrees that they had a good relationship with their mother before age 18. RwDADGRELA indicates how much the respondent agrees that they had a good relationship with their father before age 18. RwMOMGRELA and RwDADGRELA has been coded so that a higher score indicates more parental warmth. A code of 1 is assigned if the respondent strongly disagreed with the statement. A code of 2 is assigned if the respondent disagreed with the statement. A code of 3 is assigned if the respondent neither agreed nor disagreed with the statement. A code of 4 is assigned if the respondent agreed with the statement. A code of 5 is assigned if the respondent strongly agreed with the statement. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .n is assigned if the respondent reports that the statement does not apply to them. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. Plain missing (.) is assigned if the respondent is not in the wave.

SwMOMEFT, SwMOMATT, SwMOMGRELA, and SwDADGRELA indicate the respondent's current wave's spouse's experience with their parents, and their values are taken from RwMOMEFT, RwMOMATT, RwMOMGRELA, and RwDADGRELA. In addition to the special missing codes used in the respondent variables, the spouse

variables employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RAPWARM is the mean measure of parental warmth. It is based on the earliest report of the following three components: how much time and attention the respondent's mother gave them when they needed it before age 18 (RwMOMATT), how much effort the respondent's mother put into watching over and making sure the respondent had a good upbringing before age 18 (RwMOMEFT), and how much the respondent agrees that they had a good relationship with their mother before age 18 (RwMOMGRELA). To construct this mean score, RwMOMGRELA had to be transitioned from a five-point score to a four-point score: 1.strongly disagree, 2.disagree, 2.5.neither agree nor disagree, 3.agree, 4.strongly agree. RAPWARM is calculated as long as one of its component variables is non-missing. RAPWARMM is the count of missing components in RAPWARM, which could be between no missing components (0) and three missing components (3). Special missing .c is assigned to RAPWARM and RAPWARMM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RAPWARM if all three components of this mean score are missing.

SwPWARM and SwPWARM are the mean measure of parental warmth and the count of missing components for the current wave's spouse, and their values are taken from RAPWARM and RAPWARMM. In addition to the special missing codes used in RAPWARM and RAPWARMM, SwPWARM and SwPWARM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed. Plain missing (.) is assigned if the respondent's spouse is not in the wave.

## Cross Wave Differences in HRS

Questions about how much respondent agrees that they had a good relationship with their mother/father, how much effort the respondent's mother put into watching over them and making sure the respondent had a good upbringing, and how much time and attention the respondent's mother gave them when they needed it before age 18 were added in Wave 9. These questions were not asked starting in Wave 12.

## HRS Variables Used:

### Wave 9:

LLB032D	q32d. good relationship with mother
LLB032E	q32e. good relationship with father
LLB037H	q37h. amount time/attention mother
LLB037I	q37i. effort from mother
LLBCOMP	mode completed leave behind qnaire

### Wave 10:

MLB032D	q32a1. good relationship with mother
MLB032E	q32a2. good relationship with father
MLB037H	q37h. amount time/attention mother
MLB037I	q37i. effort from mother
MLBCOMP	mode completed leave behind qnaire

### Wave 11:

NLB032D	q32a1. good relationship with mother
NLB032E	q32a2. good relationship with father
NLB037H	q37h. amount time/attention mother
NLB037I	q37i. effort from mother
NLBCOMP	mode completed leave behind qnaire

<b>Loneliness</b>
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Wave	Variable	Label	Type
06	R6COMPLAC	r6complac:w6 how often r feels they lack companionship	Categ
07	R7COMPLAC	r7complac:w7 how often r feels they lack companionship	Categ
08	R8COMPLAC	r8complac:w8 how often r feels they lack companionship	Categ
09	R9COMPLAC	r9complac:w9 how often r feels they lack companionship	Categ
10	R10COMPLAC	r10complac:w10 how often r feels they lack companionship	Categ
11	R11COMPLAC	r11complac:w11 how often r feels they lack companionship	Categ
12	R12COMPLAC	r12complac:w12 how often r feels they lack companionship	Categ
13	R13COMPLAC	r13complac:w13 how often r feels they lack companionship	Categ
14	R14COMPLAC	r14complac:w14 how often r feels they lack companionship	Categ
15	R15COMPLAC	r15complac:w15 how often r feels they lack companionship	Categ
06	S6COMPLAC	s6complac:w6 how often s feels they lack companionship	Categ
07	S7COMPLAC	s7complac:w7 how often s feels they lack companionship	Categ
08	S8COMPLAC	s8complac:w8 how often s feels they lack companionship	Categ
09	S9COMPLAC	s9complac:w9 how often s feels they lack companionship	Categ
10	S10COMPLAC	s10complac:w10 how often s feels they lack companionship	Categ
11	S11COMPLAC	s11complac:w11 how often s feels they lack companionship	Categ
12	S12COMPLAC	s12complac:w12 how often s feels they lack companionship	Categ
13	S13COMPLAC	s13complac:w13 how often s feels they lack companionship	Categ
14	S14COMPLAC	s14complac:w14 how often s feels they lack companionship	Categ
15	S15COMPLAC	s15complac:w15 how often s feels they lack companionship	Categ
06	R6LEFTOUT	r6leftout:w6 how often r feels left out	Categ
07	R7LEFTOUT	r7leftout:w7 how often r feels left out	Categ
08	R8LEFTOUT	r8leftout:w8 how often r feels left out	Categ
09	R9LEFTOUT	r9leftout:w9 how often r feels left out	Categ
10	R10LEFTOUT	r10leftout:w10 how often r feels left out	Categ
11	R11LEFTOUT	r11leftout:w11 how often r feels left out	Categ
12	R12LEFTOUT	r12leftout:w12 how often r feels left out	Categ
13	R13LEFTOUT	r13leftout:w13 how often r feels left out	Categ
14	R14LEFTOUT	r14leftout:w14 how often r feels left out	Categ
15	R15LEFTOUT	r15leftout:w15 how often r feels left out	Categ
06	S6LEFTOUT	s6leftout:w6 how often s feels left out	Categ
07	S7LEFTOUT	s7leftout:w7 how often s feels left out	Categ
08	S8LEFTOUT	s8leftout:w8 how often s feels left out	Categ
09	S9LEFTOUT	s9leftout:w9 how often s feels left out	Categ
10	S10LEFTOUT	s10leftout:w10 how often s feels left out	Categ
11	S11LEFTOUT	s11leftout:w11 how often s feels left out	Categ
12	S12LEFTOUT	s12leftout:w12 how often s feels left out	Categ
13	S13LEFTOUT	s13leftout:w13 how often s feels left out	Categ
14	S14LEFTOUT	s14leftout:w14 how often s feels left out	Categ
15	S15LEFTOUT	s15leftout:w15 how often s feels left out	Categ
06	R6ISOLATE	r6isolate:w6 how often r feels isolated from others	Categ
07	R7ISOLATE	r7isolate:w7 how often r feels isolated from others	Categ
08	R8ISOLATE	r8isolate:w8 how often r feels isolated from others	Categ
09	R9ISOLATE	r9isolate:w9 how often r feels isolated from others	Categ
10	R10ISOLATE	r10isolate:w10 how often r feels isolated from others	Categ
11	R11ISOLATE	r11isolate:w11 how often r feels isolated from others	Categ
12	R12ISOLATE	r12isolate:w12 how often r feels isolated from others	Categ
13	R13ISOLATE	r13isolate:w13 how often r feels isolated from others	Categ
14	R14ISOLATE	r14isolate:w14 how often r feels isolated from others	Categ
15	R15ISOLATE	r15isolate:w15 how often r feels isolated from others	Categ
06	S6ISOLATE	s6isolate:w6 how often s feels isolated from others	Categ
07	S7ISOLATE	s7isolate:w7 how often s feels isolated from others	Categ

08	S8ISOLATE	s8isolate:w8 how often s feels isolated from others	Categ
09	S9ISOLATE	s9isolate:w9 how often s feels isolated from others	Categ
10	S10ISOLATE	s10isolate:w10 how often s feels isolated from others	Categ
11	S11ISOLATE	s11isolate:w11 how often s feels isolated from others	Categ
12	S12ISOLATE	s12isolate:w12 how often s feels isolated from others	Categ
13	S13ISOLATE	s13isolate:w13 how often s feels isolated from others	Categ
14	S14ISOLATE	s14isolate:w14 how often s feels isolated from others	Categ
15	S15ISOLATE	s15isolate:w15 how often s feels isolated from others	Categ
06	R6INTUNE	r6intune:w6 how often r feels in tune with people around the	Categ
09	R9INTUNE	r9intune:w9 how often r feels in tune with people around the	Categ
10	R10INTUNE	r10intune:w10 how often r feels in tune with people around t	Categ
11	R11INTUNE	r11intune:w11 how often r feels in tune with people around t	Categ
12	R12INTUNE	r12intune:w12 how often r feels in tune with people around t	Categ
13	R13INTUNE	r13intune:w13 how often r feels in tune with people around t	Categ
14	R14INTUNE	r14intune:w14 how often r feels in tune with people around t	Categ
15	R15INTUNE	r15intune:w15 how often r feels in tune with people around t	Categ
06	S6INTUNE	s6intune:w6 how often s feels in tune with people around the	Categ
09	S9INTUNE	s9intune:w9 how often s feels in tune with people around the	Categ
10	S10INTUNE	s10intune:w10 how often s feels in tune with people around t	Categ
11	S11INTUNE	s11intune:w11 how often s feels in tune with people around t	Categ
12	S12INTUNE	s12intune:w12 how often s feels in tune with people around t	Categ
13	S13INTUNE	s13intune:w13 how often s feels in tune with people around t	Categ
14	S14INTUNE	s14intune:w14 how often s feels in tune with people around t	Categ
15	S15INTUNE	s15intune:w15 how often s feels in tune with people around t	Categ
06	R6LNLYS	r6lnlys:w6 r 4 loneliness summary mean score	Cont
09	R9LNLYS	r9lnlys:w9 r 4 loneliness summary mean score	Cont
10	R10LNLYS	r10lnlys:w10 r 4 loneliness summary mean score	Cont
11	R11LNLYS	r11lnlys:w11 r 4 loneliness summary mean score	Cont
12	R12LNLYS	r12lnlys:w12 r 4 loneliness summary mean score	Cont
13	R13LNLYS	r13lnlys:w13 r 4 loneliness summary mean score	Cont
14	R14LNLYS	r14lnlys:w14 r 4 loneliness summary mean score	Cont
15	R15LNLYS	r15lnlys:w15 r 4 loneliness summary mean score	Cont
06	S6LNLYS	s6lnlys:w6 s 4 loneliness summary mean score	Cont
09	S9LNLYS	s9lnlys:w9 s 4 loneliness summary mean score	Cont
10	S10LNLYS	s10lnlys:w10 s 4 loneliness summary mean score	Cont
11	S11LNLYS	s11lnlys:w11 s 4 loneliness summary mean score	Cont
12	S12LNLYS	s12lnlys:w12 s 4 loneliness summary mean score	Cont
13	S13LNLYS	s13lnlys:w13 s 4 loneliness summary mean score	Cont
14	S14LNLYS	s14lnlys:w14 s 4 loneliness summary mean score	Cont
15	S15LNLYS	s15lnlys:w15 s 4 loneliness summary mean score	Cont
06	R6LNLYSM	r6lnlysm:w6 missings in r 4 loneliness summary mean score	Cont
09	R9LNLYSM	r9lnlysm:w9 missings in r 4 loneliness summary mean score	Cont
10	R10LNLYSM	r10lnlysm:w10 missings in r 4 loneliness summary mean score	Cont
11	R11LNLYSM	r11lnlysm:w11 missings in r 4 loneliness summary mean score	Cont
12	R12LNLYSM	r12lnlysm:w12 missings in r 4 loneliness summary mean score	Cont
13	R13LNLYSM	r13lnlysm:w13 missings in r 4 loneliness summary mean score	Cont
14	R14LNLYSM	r14lnlysm:w14 missings in r 4 loneliness summary mean score	Cont
15	R15LNLYSM	r15lnlysm:w15 missings in r 4 loneliness summary mean score	Cont
06	S6LNLYSM	s6lnlysm:w6 missings in s 4 loneliness summary mean score	Cont
09	S9LNLYSM	s9lnlysm:w9 missings in s 4 loneliness summary mean score	Cont
10	S10LNLYSM	s10lnlysm:w10 missings in s 4 loneliness summary mean score	Cont
11	S11LNLYSM	s11lnlysm:w11 missings in s 4 loneliness summary mean score	Cont
12	S12LNLYSM	s12lnlysm:w12 missings in s 4 loneliness summary mean score	Cont
13	S13LNLYSM	s13lnlysm:w13 missings in s 4 loneliness summary mean score	Cont
14	S14LNLYSM	s14lnlysm:w14 missings in s 4 loneliness summary mean score	Cont
15	S15LNLYSM	s15lnlysm:w15 missings in s 4 loneliness summary mean score	Cont

06	R6LNLYS3	r6lnlys3:w6	r	3	loneliness summary mean score	Cont
07	R7LNLYS3	r7lnlys3:w7	r	3	loneliness summary mean score	Cont
08	R8LNLYS3	r8lnlys3:w8	r	3	loneliness summary mean score	Cont
09	R9LNLYS3	r9lnlys3:w9	r	3	loneliness summary mean score	Cont
10	R10LNLYS3	r10lnlys3:w10	r	3	loneliness summary mean score	Cont
11	R11LNLYS3	r11lnlys3:w11	r	3	loneliness summary mean score	Cont
12	R12LNLYS3	r12lnlys3:w12	r	3	loneliness summary mean score	Cont
13	R13LNLYS3	r13lnlys3:w13	r	3	loneliness summary mean score	Cont
14	R14LNLYS3	r14lnlys3:w14	r	3	loneliness summary mean score	Cont
15	R15LNLYS3	r15lnlys3:w15	r	3	loneliness summary mean score	Cont
06	S6LNLYS3	s6lnlys3:w6	s	3	loneliness summary mean score	Cont
07	S7LNLYS3	s7lnlys3:w7	s	3	loneliness summary mean score	Cont
08	S8LNLYS3	s8lnlys3:w8	s	3	loneliness summary mean score	Cont
09	S9LNLYS3	s9lnlys3:w9	s	3	loneliness summary mean score	Cont
10	S10LNLYS3	s10lnlys3:w10	s	3	loneliness summary mean score	Cont
11	S11LNLYS3	s11lnlys3:w11	s	3	loneliness summary mean score	Cont
12	S12LNLYS3	s12lnlys3:w12	s	3	loneliness summary mean score	Cont
13	S13LNLYS3	s13lnlys3:w13	s	3	loneliness summary mean score	Cont
14	S14LNLYS3	s14lnlys3:w14	s	3	loneliness summary mean score	Cont
15	S15LNLYS3	s15lnlys3:w15	s	3	loneliness summary mean score	Cont
06	R6LNLYS3M	r6lnlys3m:w6	missings in r	3	loneliness summary mean score	Cont
07	R7LNLYS3M	r7lnlys3m:w7	missings in r	3	loneliness summary mean score	Cont
08	R8LNLYS3M	r8lnlys3m:w8	missings in r	3	loneliness summary mean score	Cont
09	R9LNLYS3M	r9lnlys3m:w9	missings in r	3	loneliness summary mean score	Cont
10	R10LNLYS3M	r10lnlys3m:w10	missings in r	3	loneliness summary mean score	Cont
11	R11LNLYS3M	r11lnlys3m:w11	missings in r	3	loneliness summary mean score	Cont
12	R12LNLYS3M	r12lnlys3m:w12	missings in r	3	loneliness summary mean score	Cont
13	R13LNLYS3M	r13lnlys3m:w13	missings in r	3	loneliness summary mean score	Cont
14	R14LNLYS3M	r14lnlys3m:w14	missings in r	3	loneliness summary mean score	Cont
15	R15LNLYS3M	r15lnlys3m:w15	missings in r	3	loneliness summary mean score	Cont
06	S6LNLYS3M	s6lnlys3m:w6	missings in s	3	loneliness summary mean score	Cont
07	S7LNLYS3M	s7lnlys3m:w7	missings in s	3	loneliness summary mean score	Cont
08	S8LNLYS3M	s8lnlys3m:w8	missings in s	3	loneliness summary mean score	Cont
09	S9LNLYS3M	s9lnlys3m:w9	missings in s	3	loneliness summary mean score	Cont
10	S10LNLYS3M	s10lnlys3m:w10	missings in s	3	loneliness summary mean score	Cont
11	S11LNLYS3M	s11lnlys3m:w11	missings in s	3	loneliness summary mean score	Cont
12	S12LNLYS3M	s12lnlys3m:w12	missings in s	3	loneliness summary mean score	Cont
13	S13LNLYS3M	s13lnlys3m:w13	missings in s	3	loneliness summary mean score	Cont
14	S14LNLYS3M	s14lnlys3m:w14	missings in s	3	loneliness summary mean score	Cont
15	S15LNLYS3M	s15lnlys3m:w15	missings in s	3	loneliness summary mean score	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R6COMPLAC	2184	1.39	0.65	1.00	3.00
R7COMPLAC	2290	1.39	0.65	1.00	3.00
R8COMPLAC	7601	1.56	0.68	1.00	3.00
R9COMPLAC	6931	1.57	0.69	1.00	3.00
R10COMPLAC	8185	1.56	0.68	1.00	3.00
R11COMPLAC	7287	1.57	0.69	1.00	3.00
R12COMPLAC	7415	1.56	0.69	1.00	3.00
R13COMPLAC	6233	1.57	0.69	1.00	3.00
R14COMPLAC	5642	1.55	0.69	1.00	3.00
R15COMPLAC	4597	1.55	0.70	1.00	3.00
S6COMPLAC	1719	1.31	0.58	1.00	3.00
S7COMPLAC	1721	1.29	0.57	1.00	3.00
S8COMPLAC	5118	1.43	0.61	1.00	3.00
S9COMPLAC	4368	1.42	0.61	1.00	3.00

S10COMPLAC	5267	1.41	0.61	1.00	3.00
S11COMPLAC	4577	1.41	0.61	1.00	3.00
S12COMPLAC	4583	1.42	0.62	1.00	3.00
S13COMPLAC	3707	1.40	0.61	1.00	3.00
S14COMPLAC	3344	1.39	0.61	1.00	3.00
S15COMPLAC	2639	1.36	0.59	1.00	3.00
R6LEFTOUT	2188	1.29	0.54	1.00	3.00
R7LEFTOUT	2287	1.27	0.53	1.00	3.00
R8LEFTOUT	7593	1.49	0.62	1.00	3.00
R9LEFTOUT	6884	1.48	0.61	1.00	3.00
R10LEFTOUT	8146	1.49	0.62	1.00	3.00
R11LEFTOUT	7223	1.50	0.62	1.00	3.00
R12LEFTOUT	7395	1.48	0.62	1.00	3.00
R13LEFTOUT	6217	1.49	0.63	1.00	3.00
R14LEFTOUT	5633	1.47	0.62	1.00	3.00
R15LEFTOUT	4599	1.48	0.62	1.00	3.00
S6LEFTOUT	1722	1.25	0.51	1.00	3.00
S7LEFTOUT	1716	1.22	0.48	1.00	3.00
S8LEFTOUT	5115	1.44	0.58	1.00	3.00
S9LEFTOUT	4350	1.41	0.58	1.00	3.00
S10LEFTOUT	5252	1.43	0.59	1.00	3.00
S11LEFTOUT	4549	1.43	0.58	1.00	3.00
S12LEFTOUT	4567	1.41	0.58	1.00	3.00
S13LEFTOUT	3704	1.42	0.59	1.00	3.00
S14LEFTOUT	3339	1.41	0.58	1.00	3.00
S15LEFTOUT	2640	1.41	0.58	1.00	3.00
R6ISOLATE	2188	1.22	0.50	1.00	3.00
R7ISOLATE	2288	1.23	0.50	1.00	3.00
R8ISOLATE	7591	1.43	0.62	1.00	3.00
R9ISOLATE	6857	1.41	0.61	1.00	3.00
R10ISOLATE	8135	1.40	0.61	1.00	3.00
R11ISOLATE	7210	1.41	0.61	1.00	3.00
R12ISOLATE	7372	1.39	0.60	1.00	3.00
R13ISOLATE	6204	1.41	0.62	1.00	3.00
R14ISOLATE	5614	1.40	0.61	1.00	3.00
R15ISOLATE	4580	1.50	0.65	1.00	3.00
S6ISOLATE	1722	1.19	0.46	1.00	3.00
S7ISOLATE	1718	1.19	0.45	1.00	3.00
S8ISOLATE	5110	1.37	0.58	1.00	3.00
S9ISOLATE	4334	1.36	0.58	1.00	3.00
S10ISOLATE	5239	1.35	0.57	1.00	3.00
S11ISOLATE	4533	1.35	0.57	1.00	3.00
S12ISOLATE	4548	1.34	0.57	1.00	3.00
S13ISOLATE	3699	1.36	0.58	1.00	3.00
S14ISOLATE	3325	1.34	0.57	1.00	3.00
S15ISOLATE	2625	1.44	0.62	1.00	3.00
R6INTUNE	2177	1.44	0.66	1.00	3.00
R9INTUNE	6872	1.63	0.67	1.00	3.00
R10INTUNE	8125	1.64	0.66	1.00	3.00
R11INTUNE	7246	1.64	0.66	1.00	3.00
R12INTUNE	7384	1.66	0.67	1.00	3.00
R13INTUNE	6208	1.66	0.67	1.00	3.00
R14INTUNE	5612	1.68	0.68	1.00	3.00
R15INTUNE	4576	1.69	0.67	1.00	3.00
S6INTUNE	1716	1.43	0.66	1.00	3.00
S9INTUNE	4345	1.62	0.66	1.00	3.00
S10INTUNE	5235	1.62	0.66	1.00	3.00

S11INTUNE	4552	1.63	0.66	1.00	3.00
S12INTUNE	4560	1.66	0.68	1.00	3.00
S13INTUNE	3697	1.66	0.67	1.00	3.00
S14INTUNE	3326	1.68	0.69	1.00	3.00
S15INTUNE	2629	1.68	0.67	1.00	3.00
R6LNLYS	2190	1.33	0.41	1.00	3.00
R9LNLYS	6964	1.52	0.48	1.00	3.00
R10LNLYS	8219	1.52	0.48	1.00	3.00
R11LNLYS	7326	1.53	0.48	1.00	3.00
R12LNLYS	7456	1.53	0.48	1.00	3.00
R13LNLYS	6272	1.53	0.48	1.00	3.00
R14LNLYS	5667	1.53	0.48	1.00	3.00
R15LNLYS	4617	1.55	0.48	1.00	3.00
S6LNLYS	1723	1.30	0.38	1.00	3.00
S9LNLYS	4379	1.46	0.45	1.00	3.00
S10LNLYS	5287	1.45	0.44	1.00	3.00
S11LNLYS	4593	1.46	0.45	1.00	3.00
S12LNLYS	4594	1.46	0.45	1.00	3.00
S13LNLYS	3727	1.46	0.45	1.00	3.00
S14LNLYS	3355	1.46	0.45	1.00	3.00
S15LNLYS	2646	1.47	0.44	1.00	3.00
R6LNLYSM	3055	1.14	1.80	0.00	4.00
R9LNLYSM	7073	0.11	0.56	0.00	4.00
R10LNLYSM	8332	0.09	0.51	0.00	4.00
R11LNLYSM	7412	0.09	0.50	0.00	4.00
R12LNLYSM	7541	0.08	0.47	0.00	4.00
R13LNLYSM	6370	0.10	0.54	0.00	4.00
R14LNLYSM	5738	0.08	0.49	0.00	4.00
R15LNLYSM	4670	0.07	0.46	0.00	4.00
S6LNLYSM	2382	1.11	1.79	0.00	4.00
S9LNLYSM	4429	0.07	0.47	0.00	4.00
S10LNLYSM	5335	0.07	0.43	0.00	4.00
S11LNLYSM	4636	0.07	0.44	0.00	4.00
S12LNLYSM	4635	0.06	0.41	0.00	4.00
S13LNLYSM	3780	0.08	0.51	0.00	4.00
S14LNLYSM	3397	0.08	0.48	0.00	4.00
S15LNLYSM	2668	0.05	0.40	0.00	4.00
R6LNLYS3	2190	1.30	0.45	1.00	3.00
R7LNLYS3	2293	1.30	0.47	1.00	3.00
R8LNLYS3	7622	1.49	0.55	1.00	3.00
R9LNLYS3	6957	1.49	0.54	1.00	3.00
R10LNLYS3	8213	1.48	0.54	1.00	3.00
R11LNLYS3	7318	1.49	0.55	1.00	3.00
R12LNLYS3	7452	1.48	0.55	1.00	3.00
R13LNLYS3	6270	1.49	0.55	1.00	3.00
R14LNLYS3	5666	1.48	0.55	1.00	3.00
R15LNLYS3	4617	1.51	0.55	1.00	3.00
S6LNLYS3	1723	1.25	0.41	1.00	3.00
S7LNLYS3	1721	1.23	0.41	1.00	3.00
S8LNLYS3	5128	1.41	0.51	1.00	3.00
S9LNLYS3	4375	1.40	0.50	1.00	3.00
S10LNLYS3	5285	1.40	0.50	1.00	3.00
S11LNLYS3	4591	1.40	0.50	1.00	3.00
S12LNLYS3	4594	1.39	0.51	1.00	3.00
S13LNLYS3	3726	1.40	0.50	1.00	3.00
S14LNLYS3	3355	1.38	0.50	1.00	3.00
S15LNLYS3	2646	1.40	0.50	1.00	3.00

R6LNLYS3M	3055	0.85	1.35	0.00	3.00
R7LNLYS3M	3387	0.97	1.40	0.00	3.00
R8LNLYS3M	7730	0.05	0.37	0.00	3.00
R9LNLYS3M	7073	0.08	0.43	0.00	3.00
R10LNLYS3M	8332	0.06	0.39	0.00	3.00
R11LNLYS3M	7412	0.07	0.38	0.00	3.00
R12LNLYS3M	7541	0.06	0.36	0.00	3.00
R13LNLYS3M	6370	0.07	0.41	0.00	3.00
R14LNLYS3M	5738	0.06	0.37	0.00	3.00
R15LNLYS3M	4670	0.05	0.34	0.00	3.00
S6LNLYS3M	2382	0.83	1.34	0.00	3.00
S7LNLYS3M	2507	0.94	1.39	0.00	3.00
S8LNLYS3M	5190	0.04	0.34	0.00	3.00
S9LNLYS3M	4429	0.05	0.36	0.00	3.00
S10LNLYS3M	5335	0.05	0.32	0.00	3.00
S11LNLYS3M	4636	0.05	0.34	0.00	3.00
S12LNLYS3M	4635	0.04	0.31	0.00	3.00
S13LNLYS3M	3780	0.06	0.38	0.00	3.00
S14LNLYS3M	3397	0.05	0.36	0.00	3.00
S15LNLYS3M	2668	0.04	0.30	0.00	3.00

### Categorical Variable Codes

Value-----	R6COMPLAC	R7COMPLAC	R8COMPLAC	R9COMPLAC	R10COMPLAC
.c:not in self-completion m	15110	16742	10739	10144	13702
.d:DK	6	3			
.m:Missing	862	1092	129	142	147
.r:Refuse	3	2			
1.hardly ever or never	1523	1601	4164	3753	4492
2.some of the time	466	476	2607	2393	2799
3.often	195	213	830	785	894

Value-----	R11COMPLAC	R12COMPLAC	R13COMPLAC	R14COMPLAC	R15COMPLAC
.c:not in self-completion m	13142	11206	14542	11408	11053
.m:Missing	125	126	137	96	73
1.hardly ever or never	3990	4057	3417	3179	2602
2.some of the time	2458	2528	2100	1802	1440
3.often	839	830	716	661	555

Value-----	S6COMPLAC	S7COMPLAC	S8COMPLAC	S9COMPLAC	S10COMPLAC
.c:not in self-completion m	9250	10461	6538	6211	8173
.d:DK	4				
.m:Missing	658	785	72	61	68
.r:Refuse	1	1			
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.hardly ever or never	1304	1334	3272	2801	3429
2.some of the time	304	280	1506	1284	1506
3.often	111	107	340	283	332

Value-----	S11COMPLAC	S12COMPLAC	S13COMPLAC	S14COMPLAC	S15COMPLAC
.c:not in self-completion m	7840	6377	7998	5961	5798
.m:Missing	59	52	73	53	29
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.hardly ever or never	3008	2979	2444	2264	1833
2.some of the time	1260	1278	1025	862	650
3.often	309	326	238	218	156

Value-----	R6LEFTOUT	R7LEFTOUT	R8LEFTOUT	R9LEFTOUT	R10LEFTOUT
.c:not in self-completion m	15110	16742	10739	10144	13702
.d:DK	2	6			
.m:Missing	862	1092	137	189	186
.r:Refuse	3	2			
1.hardly ever or never	1657	1756	4352	4046	4728
2.some of the time	434	440	2745	2403	2865
3.often	97	91	496	435	553



Value-----	R11LEFTOUT	R12LEFTOUT	R13LEFTOUT	R14LEFTOUT	R15LEFTOUT
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	189	146	153	106	71
1.hardly ever or never	4123	4374	3615	3331	2715
2.some of the time	2613	2526	2155	1930	1576
3.often	487	495	447	372	308
Value-----	S6LEFTOUT	S7LEFTOUT	S8LEFTOUT	S9LEFTOUT	S10LEFTOUT
.c:not in self-completion m	9250	10461	6538	6211	8173
.d:DK	2	5			
.m:Missing	658	785	75	79	83
.r:Refuse		1			
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.hardly ever or never	1351	1379	3111	2769	3291
2.some of the time	308	290	1764	1375	1689
3.often	63	47	240	206	272
Value-----	S11LEFTOUT	S12LEFTOUT	S13LEFTOUT	S14LEFTOUT	S15LEFTOUT
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	87	68	76	59	28
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.hardly ever or never	2823	2893	2336	2125	1694
2.some of the time	1509	1455	1170	1048	816
3.often	217	219	198	166	130
Value-----	R6ISOLATE	R7ISOLATE	R8ISOLATE	R9ISOLATE	R10ISOLATE
.c:not in self-completion m	15110	16742	10739	10144	13702
.d:DK	1	5			
.m:Missing	862	1092	139	216	197
.r:Refuse	4	2			
1.hardly ever or never	1792	1843	4867	4506	5403
2.some of the time	312	360	2199	1888	2201
3.often	84	85	525	463	531
Value-----	R11ISOLATE	R12ISOLATE	R13ISOLATE	R14ISOLATE	R15ISOLATE
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	202	169	166	125	90
1.hardly ever or never	4720	4954	4088	3734	2687
2.some of the time	2004	1950	1676	1507	1503
3.often	486	468	440	373	390
Value-----	S6ISOLATE	S7ISOLATE	S8ISOLATE	S9ISOLATE	S10ISOLATE
.c:not in self-completion m	9250	10461	6538	6211	8173
.d:DK	1	3			
.m:Missing	658	785	80	95	96
.r:Refuse	1	1			
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
1.hardly ever or never	1444	1434	3481	2996	3658
2.some of the time	231	241	1363	1111	1326
3.often	47	43	266	227	255
Value-----	S11ISOLATE	S12ISOLATE	S13ISOLATE	S14ISOLATE	S15ISOLATE
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	103	87	81	73	43
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.hardly ever or never	3165	3235	2568	2353	1662
2.some of the time	1138	1078	935	812	783
3.often	230	235	196	160	180
Value-----	R6INTUNE			R9INTUNE	R10INTUNE
.c:not in self-completion m	15110			10144	13702
.d:DK	10				
.m:Missing	862			201	207
.r:Refuse	6				
1.often	1431			3267	3790
2.some of the time	535			2887	3502
3.hardly ever or never	211			718	833
Value-----	R11INTUNE	R12INTUNE	R13INTUNE	R14INTUNE	R15INTUNE
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	166	157	162	127	94
1.often	3381	3328	2804	2477	1972

2.some of the time	3108	3204	2692	2428	2065
3.hardly ever or never	757	852	712	707	539
Value-----	S6INTUNE		S9INTUNE	S10INTUNE	
.c:not in self-completion m	9250		6211	8173	
.d:DK	6				
.m:Missing	658		84	100	
.r:Refuse	2				
.u:not coupled	6313		6212	7804	
.v:SP NR	220		365	722	
1.often	1142		2080	2500	
2.some of the time	406		1820	2200	
3.hardly ever or never	168		445	535	
Value-----	S11INTUNE	S12INTUNE	S13INTUNE	S14INTUNE	S15INTUNE
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	84	75	83	72	39
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.often	2165	2092	1664	1493	1143
2.some of the time	1925	1935	1613	1408	1181
3.hardly ever or never	462	533	420	425	305

### How Constructed:

Loneliness questions are asked to respondents as part of the self-completion survey. For all statements, respondents are asked how often they experience the feeling in the statement and are given the options: often, some of the time, or hardly ever or never. In Waves 6 and 7, the answer options are listed 1)hardly ever or never, 2)some of the time, 3) often. Starting in Wave 8 the answer options are listed 1)often, 2)some of the time, 3)hardly ever or never. For the purposes of cross-wave consistency the answers have all been coded so that the higher the score, the more lonely the respondent feels.

RwCOMPLAC indicates how often the respondent feels they lack companionship. RwCOMPLAC is coded as follows: 1.hardly ever or never, 2.some of the time, 3.often.

RwLEFTOUT indicates how often the respondent feels left out. RwLEFTOUT is coded as follows: 1.hardly ever or never, 2.some of the time, 3.often.

RwISOLATE indicates how often the respondent feels isolated from others. RwISOLATE is coded as follows: 1.hardly ever or never, 2.some of the time, 3.often.

RwINTUNE indicates how often the respondent feels in tune with the people around them. RwINTUNE is coded as follows: 1.often, 2.some of the time, 3.hardly ever or never. This question is not asked in Waves 7 or 8.

Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. Don't know and refused answers are assigned special missing .d and .r, respectively. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwCOMPLAC, SwLEFTOUT, SwISOLATE and SwINTUNE indicate how often the current wave's spouse feels lack of companionship, left out, isolated from others, and in tune with the people around them, respectively. They are taken from the spouse's values to RwCOMPLAC, RwLEFTOUT, RwISOLATE and RwINTUNE. In addition to the special missing codes employed by RwCOMPLAC, RwLEFTOUT, RwISOLATE and RwINTUNE, SwCOMPLAC, SwLEFTOUT, SwISOLATE and SwINTUNE employ two additional missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

RwLNLYS indicates the mean of four different loneliness questions (RwCOMPLAC, RwLEFTOUT, RwISOLATE and RwINTUNE) and can be used as a summary score. RwLNLYS is coded to make sure that higher scores indicate that the respondent feels more lonely. RwLNLYS is calculated for any respondent with at least one non-missing value for its four components. RwLNLYSM counts the number of components with missing values in RwLNLYS, which could be between no missing components (0) and four missing components (4). Special missing .c is assigned to RwLNLYS and RwLNLYSM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RwLNLYS if the respondent is

eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave. Because RwINTUNE is not available in Waves 7 and 8, RwlNLYS and RwlNLYSM are not created for these waves.

SwLNLYS and SwLNLYSM indicate the mean summary score of four different loneliness questions and the count of any missing components for the respondent's current wave's spouse, and their values are taken from RwlNLYS and RwlNLYSM. In addition to the special missing codes used in RwlNLYS and RwlNLYSM, SwLNLYS and SwLNLYSM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwlNLYS3 indicates the mean of three different loneliness questions (RwCOMPLAC, RwLEFTOUT and RwISOLATE) and can be used as a summary score. RwlNLYS3 is coded to make sure that higher scores indicate that the respondent feels more lonely. RwlNLYS3 is calculated for any respondent with at least one non-missing value for its three components. RwlNLYS3M counts the number of components with missing values in RwlNLYS3, which could be between no missing components (0) and three missing components (3). Special missing .c is assigned to RwlNLYS3 and RwlNLYS3M if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RwlNLYS3 if the respondent is eligible for and completed the leave behind questionnaire but their responses for the questions are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwLNLYS3 and SwLNLYS3M indicate the mean summary score of three different loneliness questions and the count of any missing components for the respondent's current wave's spouse, and their values are taken from RwlNLYS3 and RwlNLYS3M. In addition to the special missing codes used in RwlNLYS3 and RwlNLYS3M, SwLNLYS3 and SwLNLYS3M employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about how often the respondent feels they lack companionship, feels left out, and feels isolated from others were added in the Wave 6 questionnaire.

Questions about how often the respondent feels in tune with the people around them were added in the Wave 6 questionnaire, not available in the Waves 7 and 8 questionnaires, and available again starting in Wave 9.

In Waves 6 and 7, the answer options are listed: 1)hardly ever or never, 2)some of the time, 3) often. Starting in Wave 8 the answer options are listed: 1)often, 2)some of the time, 3)hardly ever or never.

## HRS Variables Used:

Wave 6:

HV251	r rate often lacks companionship
HV252	r rate how often feel left out
HV253	r rate feel isolated from others
HV254	r rate how in tune to others

Wave 7:

JV251	lack of companionship
JV252	feel left out
JV253	feel isolated from others

Wave 8:

KLB020A	q20a. lack companionship
KLB020B	q20b. feel left out
KLB020C	q20c. feel isolated from others
KLBCOMP	mode completed leave behind qnaire

Wave 9:

LLB020A	q20a. lack companionship
LLB020B	q20b. feel left out
LLB020C	q20c. feel isolated from others
LLB020D	q20d. in tune with others

LLBCOMP mode completed leave behind qnaire  
Wave 10:  
MLB020A q20a. lack companionship  
MLB020B q20b. feel left out  
MLB020C q20c. feel isolated from others  
MLB020D q20d. in tune with others  
MLBCOMP mode completed leave behind qnaire  
Wave 11:  
NLB020A q20a. lack companionship  
NLB020B q20b. feel left out  
NLB020C q20c. feel isolated from others  
NLB020D q20d. in tune with others  
NLBCOMP mode completed leave behind qnaire  
Wave 12:  
OLB019A q19a. lack companionship  
OLB019B q19b. feel left out  
OLB019C q19c. feel isolated from others  
OLB019D q19d. in tune with others  
OLBCOMP mode completed leave behind qnaire  
Wave 13:  
PLB019A q19a. lack companionship  
PLB019B q19b. feel left out  
PLB019C q19c. feel isolated from others  
PLB019D q19d. in tune with others  
PLBCOMP mode completed leave behind qnaire  
Wave 14:  
QLB019A q19a. lack companionship  
QLB019B q19b. feel left out  
QLB019C q19c. feel isolated from others  
QLB019D q19d. in tune with others  
QLBCOMP mode completed leave behind qnaire  
Wave 15:  
RLB019A q19a. lack companionship  
RLB019B q19b. feel left out  
RLB019C q19c. feel isolated from others  
RLB019D q19d. in tune with others  
RLBCOMP mode completed leave behind qnaire

<b>Social Support: Spouse</b>
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Wave	Variable	Label	Type
08	R8SUSTDFE	r8sustdfe:w8 r thinks spouse understands the way they feel	Categ
09	R9SUSTDFE	r9sustdfe:w9 r thinks spouse understands the way they feel	Categ
10	R10SUSTDFE	r10sustdfe:w10 r thinks spouse understands the way they feel	Categ
11	R11SUSTDFE	r11sustdfe:w11 r thinks spouse understands the way they feel	Categ
12	R12SUSTDFE	r12sustdfe:w12 r thinks spouse understands the way they feel	Categ
13	R13SUSTDFE	r13sustdfe:w13 r thinks spouse understands the way they feel	Categ
14	R14SUSTDFE	r14sustdfe:w14 r thinks spouse understands the way they feel	Categ
15	R15SUSTDFE	r15sustdfe:w15 r thinks spouse understands the way they feel	Categ
08	S8SUSTDFE	s8sustdfe:w8 s thinks spouse understands the way they feel	Categ
09	S9SUSTDFE	s9sustdfe:w9 s thinks spouse understands the way they feel	Categ
10	S10SUSTDFE	s10sustdfe:w10 s thinks spouse understands the way they feel	Categ
11	S11SUSTDFE	s11sustdfe:w11 s thinks spouse understands the way they feel	Categ
12	S12SUSTDFE	s12sustdfe:w12 s thinks spouse understands the way they feel	Categ
13	S13SUSTDFE	s13sustdfe:w13 s thinks spouse understands the way they feel	Categ
14	S14SUSTDFE	s14sustdfe:w14 s thinks spouse understands the way they feel	Categ
15	S15SUSTDFE	s15sustdfe:w15 s thinks spouse understands the way they feel	Categ
08	R8SRELY	r8srely:w8 r can rely on spouse for a serious problem	Categ
09	R9SRELY	r9srely:w9 r can rely on spouse for a serious problem	Categ
10	R10SRELY	r10srely:w10 r can rely on spouse for a serious problem	Categ
11	R11SRELY	r11srely:w11 r can rely on spouse for a serious problem	Categ
12	R12SRELY	r12srely:w12 r can rely on spouse for a serious problem	Categ
13	R13SRELY	r13srely:w13 r can rely on spouse for a serious problem	Categ
14	R14SRELY	r14srely:w14 r can rely on spouse for a serious problem	Categ
15	R15SRELY	r15srely:w15 r can rely on spouse for a serious problem	Categ
08	S8SRELY	s8srely:w8 s can rely on spouse for a serious problem	Categ
09	S9SRELY	s9srely:w9 s can rely on spouse for a serious problem	Categ
10	S10SRELY	s10srely:w10 s can rely on spouse for a serious problem	Categ
11	S11SRELY	s11srely:w11 s can rely on spouse for a serious problem	Categ
12	S12SRELY	s12srely:w12 s can rely on spouse for a serious problem	Categ
13	S13SRELY	s13srely:w13 s can rely on spouse for a serious problem	Categ
14	S14SRELY	s14srely:w14 s can rely on spouse for a serious problem	Categ
15	S15SRELY	s15srely:w15 s can rely on spouse for a serious problem	Categ
08	R8SOPENUP	r8sopenup:w8 r can open up their worries to spouse	Categ
09	R9SOPENUP	r9sopenup:w9 r can open up their worries to spouse	Categ
10	R10SOPENUP	r10sopenup:w10 r can open up their worries to spouse	Categ
11	R11SOPENUP	r11sopenup:w11 r can open up their worries to spouse	Categ
12	R12SOPENUP	r12sopenup:w12 r can open up their worries to spouse	Categ
13	R13SOPENUP	r13sopenup:w13 r can open up their worries to spouse	Categ
14	R14SOPENUP	r14sopenup:w14 r can open up their worries to spouse	Categ
15	R15SOPENUP	r15sopenup:w15 r can open up their worries to spouse	Categ
08	S8SOPENUP	s8sopenup:w8 s can open up their worries to spouse	Categ
09	S9SOPENUP	s9sopenup:w9 s can open up their worries to spouse	Categ
10	S10SOPENUP	s10sopenup:w10 s can open up their worries to spouse	Categ
11	S11SOPENUP	s11sopenup:w11 s can open up their worries to spouse	Categ
12	S12SOPENUP	s12sopenup:w12 s can open up their worries to spouse	Categ
13	S13SOPENUP	s13sopenup:w13 s can open up their worries to spouse	Categ
14	S14SOPENUP	s14sopenup:w14 s can open up their worries to spouse	Categ
15	S15SOPENUP	s15sopenup:w15 s can open up their worries to spouse	Categ
08	R8SDEMAND	r8sdemand:w8 spouse puts too many demands on r	Categ
09	R9SDEMAND	r9sdemand:w9 spouse puts too many demands on r	Categ
10	R10SDEMAND	r10sdemand:w10 spouse puts too many demands on r	Categ

11	R11SDEMAND	r11sdemand:w11 spouse puts too many demands on r	Categ
12	R12SDEMAND	r12sdemand:w12 spouse puts too many demands on r	Categ
13	R13SDEMAND	r13sdemand:w13 spouse puts too many demands on r	Categ
14	R14SDEMAND	r14sdemand:w14 spouse puts too many demands on r	Categ
15	R15SDEMAND	r15sdemand:w15 spouse puts too many demands on r	Categ
08	S8SDEMAND	s8sdemand:w8 spouse puts too many demands on s	Categ
09	S9SDEMAND	s9sdemand:w9 spouse puts too many demands on s	Categ
10	S10SDEMAND	s10sdemand:w10 spouse puts too many demands on s	Categ
11	S11SDEMAND	s11sdemand:w11 spouse puts too many demands on s	Categ
12	S12SDEMAND	s12sdemand:w12 spouse puts too many demands on s	Categ
13	S13SDEMAND	s13sdemand:w13 spouse puts too many demands on s	Categ
14	S14SDEMAND	s14sdemand:w14 spouse puts too many demands on s	Categ
15	S15SDEMAND	s15sdemand:w15 spouse puts too many demands on s	Categ
08	R8SCRITZE	r8scritze:w8 how much spouse criticizes r	Categ
09	R9SCRITZE	r9scritze:w9 how much spouse criticizes r	Categ
10	R10SCRITZE	r10scritze:w10 how much spouse criticizes r	Categ
11	R11SCRITZE	r11scritze:w11 how much spouse criticizes r	Categ
12	R12SCRITZE	r12scritze:w12 how much spouse criticizes r	Categ
13	R13SCRITZE	r13scritze:w13 how much spouse criticizes r	Categ
14	R14SCRITZE	r14scritze:w14 how much spouse criticizes r	Categ
15	R15SCRITZE	r15scritze:w15 how much spouse criticizes r	Categ
08	S8SCRITZE	s8scritze:w8 how much spouse criticizes s	Categ
09	S9SCRITZE	s9scritze:w9 how much spouse criticizes s	Categ
10	S10SCRITZE	s10scritze:w10 how much spouse criticizes s	Categ
11	S11SCRITZE	s11scritze:w11 how much spouse criticizes s	Categ
12	S12SCRITZE	s12scritze:w12 how much spouse criticizes s	Categ
13	S13SCRITZE	s13scritze:w13 how much spouse criticizes s	Categ
14	S14SCRITZE	s14scritze:w14 how much spouse criticizes s	Categ
15	S15SCRITZE	s15scritze:w15 how much spouse criticizes s	Categ
08	R8SLETDOW	r8sletdow:w8 spouse let r down when counting on	Categ
09	R9SLETDOW	r9sletdow:w9 spouse let r down when counting on	Categ
10	R10SLETDOW	r10sletdow:w10 spouse let r down when counting on	Categ
11	R11SLETDOW	r11sletdow:w11 spouse let r down when counting on	Categ
12	R12SLETDOW	r12sletdow:w12 spouse let r down when counting on	Categ
13	R13SLETDOW	r13sletdow:w13 spouse let r down when counting on	Categ
14	R14SLETDOW	r14sletdow:w14 spouse let r down when counting on	Categ
15	R15SLETDOW	r15sletdow:w15 spouse let r down when counting on	Categ
08	S8SLETDOW	s8sletdow:w8 spouse let s down when counting on	Categ
09	S9SLETDOW	s9sletdow:w9 spouse let s down when counting on	Categ
10	S10SLETDOW	s10sletdow:w10 spouse let s down when counting on	Categ
11	S11SLETDOW	s11sletdow:w11 spouse let s down when counting on	Categ
12	S12SLETDOW	s12sletdow:w12 spouse let s down when counting on	Categ
13	S13SLETDOW	s13sletdow:w13 spouse let s down when counting on	Categ
14	S14SLETDOW	s14sletdow:w14 spouse let s down when counting on	Categ
15	S15SLETDOW	s15sletdow:w15 spouse let s down when counting on	Categ
08	R8SGETNEV	r8sgetnev:w8 spouse gets on r's nerves	Categ
09	R9SGETNEV	r9sgetnev:w9 spouse gets on r's nerves	Categ
10	R10SGETNEV	r10sgetnev:w10 spouse gets on r's nerves	Categ
11	R11SGETNEV	r11sgetnev:w11 spouse gets on r's nerves	Categ
12	R12SGETNEV	r12sgetnev:w12 spouse gets on r's nerves	Categ
13	R13SGETNEV	r13sgetnev:w13 spouse gets on r's nerves	Categ
14	R14SGETNEV	r14sgetnev:w14 spouse gets on r's nerves	Categ
15	R15SGETNEV	r15sgetnev:w15 spouse gets on r's nerves	Categ
08	S8SGETNEV	s8sgetnev:w8 spouse gets on s's nerves	Categ
09	S9SGETNEV	s9sgetnev:w9 spouse gets on s's nerves	Categ
10	S10SGETNEV	s10sgetnev:w10 spouse gets on s's nerves	Categ

11	S11SGETNEV	s11sgetnev:w11 spouse gets on s's nerves	Categ
12	S12SGETNEV	s12sgetnev:w12 spouse gets on s's nerves	Categ
13	S13SGETNEV	s13sgetnev:w13 spouse gets on s's nerves	Categ
14	S14SGETNEV	s14sgetnev:w14 spouse gets on s's nerves	Categ
15	S15SGETNEV	s15sgetnev:w15 spouse gets on s's nerves	Categ
08	R8SSUPPORT	r8ssupport:w8 lack of r spouse support summary mean score	Cont
09	R9SSUPPORT	r9ssupport:w9 lack of r spouse support summary mean score	Cont
10	R10SSUPPORT	r10ssupport:w10 lack of r spouse support summary mean score	Cont
11	R11SSUPPORT	r11ssupport:w11 lack of r spouse support summary mean score	Cont
12	R12SSUPPORT	r12ssupport:w12 lack of r spouse support summary mean score	Cont
13	R13SSUPPORT	r13ssupport:w13 lack of r spouse support summary mean score	Cont
14	R14SSUPPORT	r14ssupport:w14 lack of r spouse support summary mean score	Cont
15	R15SSUPPORT	r15ssupport:w15 lack of r spouse support summary mean score	Cont
08	S8SSUPPORT	s8ssupport:w8 lack of s spouse support summary mean score	Cont
09	S9SSUPPORT	s9ssupport:w9 lack of s spouse support summary mean score	Cont
10	S10SSUPPORT	s10ssupport:w10 lack of s spouse support summary mean score	Cont
11	S11SSUPPORT	s11ssupport:w11 lack of s spouse support summary mean score	Cont
12	S12SSUPPORT	s12ssupport:w12 lack of s spouse support summary mean score	Cont
13	S13SSUPPORT	s13ssupport:w13 lack of s spouse support summary mean score	Cont
14	S14SSUPPORT	s14ssupport:w14 lack of s spouse support summary mean score	Cont
15	S15SSUPPORT	s15ssupport:w15 lack of s spouse support summary mean score	Cont
08	R8SSUPPORTM	r8ssupportm:w8 missings in lack of r spouse support summary	Cont
09	R9SSUPPORTM	r9ssupportm:w9 missings in lack of r spouse support summary	Cont
10	R10SSUPPORTM	r10ssupportm:w10 missings in lack of r spouse support summar	Cont
11	R11SSUPPORTM	r11ssupportm:w11 missings in lack of r spouse support summar	Cont
12	R12SSUPPORTM	r12ssupportm:w12 missings in lack of r spouse support summar	Cont
13	R13SSUPPORTM	r13ssupportm:w13 missings in lack of r spouse support summar	Cont
14	R14SSUPPORTM	r14ssupportm:w14 missings in lack of r spouse support summar	Cont
15	R15SSUPPORTM	r15ssupportm:w15 missings in lack of r spouse support summar	Cont
08	S8SSUPPORTM	s8ssupportm:w8 missings in lack of s spouse support summary	Cont
09	S9SSUPPORTM	s9ssupportm:w9 missings in lack of s spouse support summary	Cont
10	S10SSUPPORTM	s10ssupportm:w10 missings in lack of s spouse support summar	Cont
11	S11SSUPPORTM	s11ssupportm:w11 missings in lack of s spouse support summar	Cont
12	S12SSUPPORTM	s12ssupportm:w12 missings in lack of s spouse support summar	Cont
13	S13SSUPPORTM	s13ssupportm:w13 missings in lack of s spouse support summar	Cont
14	S14SSUPPORTM	s14ssupportm:w14 missings in lack of s spouse support summar	Cont
15	S15SSUPPORTM	s15ssupportm:w15 missings in lack of s spouse support summar	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8SUSTDFE	5380	1.71	0.79	1.00	4.00
R9SUSTDFE	4653	1.73	0.82	1.00	4.00
R10SUSTDFE	5648	1.71	0.82	1.00	4.00
R11SUSTDFE	4888	1.71	0.82	1.00	4.00
R12SUSTDFE	5027	1.73	0.83	1.00	4.00
R13SUSTDFE	4183	1.69	0.80	1.00	4.00
R14SUSTDFE	3784	1.71	0.83	1.00	4.00
R15SUSTDFE	2991	1.68	0.82	1.00	4.00
S8SUSTDFE	5071	1.68	0.76	1.00	4.00
S9SUSTDFE	4306	1.71	0.79	1.00	4.00
S10SUSTDFE	5211	1.68	0.79	1.00	4.00
S11SUSTDFE	4486	1.69	0.80	1.00	4.00
S12SUSTDFE	4542	1.69	0.79	1.00	4.00
S13SUSTDFE	3683	1.65	0.76	1.00	4.00
S14SUSTDFE	3316	1.67	0.80	1.00	4.00
S15SUSTDFE	2594	1.64	0.77	1.00	4.00

R8SRELY	5380	1.29	0.67	1.00	4.00
R9SRELY	4664	1.31	0.70	1.00	4.00
R10SRELY	5650	1.30	0.69	1.00	4.00
R11SRELY	4895	1.30	0.67	1.00	4.00
R12SRELY	5003	1.32	0.69	1.00	4.00
R13SRELY	4163	1.31	0.68	1.00	4.00
R14SRELY	3772	1.31	0.68	1.00	4.00
R15SRELY	2986	1.30	0.68	1.00	4.00
S8SRELY	5082	1.26	0.62	1.00	4.00
S9SRELY	4317	1.27	0.63	1.00	4.00
S10SRELY	5221	1.26	0.63	1.00	4.00
S11SRELY	4498	1.26	0.61	1.00	4.00
S12SRELY	4536	1.26	0.61	1.00	4.00
S13SRELY	3694	1.25	0.60	1.00	4.00
S14SRELY	3320	1.27	0.62	1.00	4.00
S15SRELY	2603	1.25	0.61	1.00	4.00
R8SOPENUP	5379	1.63	0.81	1.00	4.00
R9SOPENUP	4651	1.63	0.84	1.00	4.00
R10SOPENUP	5644	1.61	0.84	1.00	4.00
R11SOPENUP	4896	1.61	0.82	1.00	4.00
R12SOPENUP	4993	1.61	0.83	1.00	4.00
R13SOPENUP	4161	1.59	0.82	1.00	4.00
R14SOPENUP	3769	1.60	0.83	1.00	4.00
R15SOPENUP	2985	1.59	0.83	1.00	4.00
S8SOPENUP	5078	1.60	0.79	1.00	4.00
S9SOPENUP	4310	1.59	0.80	1.00	4.00
S10SOPENUP	5215	1.58	0.81	1.00	4.00
S11SOPENUP	4498	1.58	0.79	1.00	4.00
S12SOPENUP	4530	1.57	0.79	1.00	4.00
S13SOPENUP	3689	1.54	0.77	1.00	4.00
S14SOPENUP	3317	1.56	0.80	1.00	4.00
S15SOPENUP	2608	1.55	0.79	1.00	4.00
R8SDEMAND	5368	2.08	0.90	1.00	4.00
R9SDEMAND	4648	2.04	0.92	1.00	4.00
R10SDEMAND	5637	2.03	0.92	1.00	4.00
R11SDEMAND	4870	2.05	0.91	1.00	4.00
R12SDEMAND	4986	2.02	0.90	1.00	4.00
R13SDEMAND	4157	2.04	0.93	1.00	4.00
R14SDEMAND	3761	2.01	0.91	1.00	4.00
R15SDEMAND	2977	1.97	0.91	1.00	4.00
S8SDEMAND	5067	2.09	0.89	1.00	4.00
S9SDEMAND	4307	2.05	0.91	1.00	4.00
S10SDEMAND	5213	2.03	0.91	1.00	4.00
S11SDEMAND	4484	2.06	0.91	1.00	4.00
S12SDEMAND	4532	2.01	0.89	1.00	4.00
S13SDEMAND	3686	2.05	0.92	1.00	4.00
S14SDEMAND	3320	2.01	0.91	1.00	4.00
S15SDEMAND	2601	1.96	0.90	1.00	4.00
R8SCRITZE	5372	2.12	0.88	1.00	4.00
R9SCRITZE	4634	2.09	0.90	1.00	4.00
R10SCRITZE	5629	2.05	0.90	1.00	4.00
R11SCRITZE	4864	2.08	0.89	1.00	4.00
R12SCRITZE	4977	2.03	0.88	1.00	4.00
R13SCRITZE	4153	2.03	0.89	1.00	4.00
R14SCRITZE	3750	2.01	0.89	1.00	4.00
R15SCRITZE	2974	1.97	0.88	1.00	4.00



S8SCRITZE	5073	2.13	0.87	1.00	4.00
S9SCRITZE	4301	2.09	0.89	1.00	4.00
S10SCRITZE	5205	2.05	0.89	1.00	4.00
S11SCRITZE	4477	2.08	0.89	1.00	4.00
S12SCRITZE	4521	2.04	0.87	1.00	4.00
S13SCRITZE	3687	2.03	0.88	1.00	4.00
S14SCRITZE	3314	2.01	0.88	1.00	4.00
S15SCRITZE	2599	1.97	0.88	1.00	4.00
R8SLETDOW	5363	1.69	0.86	1.00	4.00
R9SLETDOW	4650	1.66	0.87	1.00	4.00
R10SLETDOW	5629	1.66	0.86	1.00	4.00
R11SLETDOW	4875	1.68	0.86	1.00	4.00
R12SLETDOW	4979	1.68	0.86	1.00	4.00
R13SLETDOW	4146	1.69	0.88	1.00	4.00
R14SLETDOW	3753	1.66	0.85	1.00	4.00
R15SLETDOW	2976	1.62	0.83	1.00	4.00
S8SLETDOW	5065	1.68	0.85	1.00	4.00
S9SLETDOW	4310	1.65	0.85	1.00	4.00
S10SLETDOW	5209	1.64	0.84	1.00	4.00
S11SLETDOW	4490	1.66	0.84	1.00	4.00
S12SLETDOW	4526	1.65	0.84	1.00	4.00
S13SLETDOW	3681	1.66	0.86	1.00	4.00
S14SLETDOW	3313	1.64	0.83	1.00	4.00
S15SLETDOW	2600	1.60	0.82	1.00	4.00
R8SGETNEV	5367	2.08	0.82	1.00	4.00
R9SGETNEV	4652	2.08	0.85	1.00	4.00
R10SGETNEV	5639	2.05	0.84	1.00	4.00
R11SGETNEV	4881	2.08	0.84	1.00	4.00
R12SGETNEV	4986	2.05	0.84	1.00	4.00
R13SGETNEV	4158	2.08	0.84	1.00	4.00
R14SGETNEV	3765	2.06	0.83	1.00	4.00
R15SGETNEV	2974	2.07	0.84	1.00	4.00
S8SGETNEV	5072	2.07	0.81	1.00	4.00
S9SGETNEV	4311	2.08	0.83	1.00	4.00
S10SGETNEV	5214	2.05	0.83	1.00	4.00
S11SGETNEV	4494	2.07	0.83	1.00	4.00
S12SGETNEV	4531	2.04	0.82	1.00	4.00
S13SGETNEV	3686	2.07	0.82	1.00	4.00
S14SGETNEV	3324	2.05	0.82	1.00	4.00
S15SGETNEV	2595	2.08	0.82	1.00	4.00
R8SSUPPORT	5417	1.80	0.58	1.00	4.00
R9SSUPPORT	4701	1.80	0.60	1.00	4.00
R10SSUPPORT	5682	1.77	0.60	1.00	4.00
R11SSUPPORT	4929	1.79	0.59	1.00	4.00
R12SSUPPORT	5048	1.78	0.59	1.00	4.00
R13SSUPPORT	4224	1.78	0.59	1.00	4.00
R14SSUPPORT	3812	1.77	0.59	1.00	4.00
R15SSUPPORT	3012	1.75	0.58	1.00	4.00
S8SSUPPORT	5095	1.79	0.56	1.00	4.00
S9SSUPPORT	4326	1.78	0.58	1.00	4.00
S10SSUPPORT	5231	1.76	0.58	1.00	4.00
S11SSUPPORT	4515	1.77	0.58	1.00	4.00
S12SSUPPORT	4553	1.75	0.57	1.00	4.00
S13SSUPPORT	3708	1.75	0.58	1.00	4.00
S14SSUPPORT	3333	1.75	0.58	1.00	4.00
S15SSUPPORT	2610	1.72	0.57	1.00	4.00

R8SSUPPORTM	5540	0.21	1.12	0.00	7.00
R9SSUPPORTM	4846	0.28	1.30	0.00	7.00
R10SSUPPORTM	5814	0.21	1.12	0.00	7.00
R11SSUPPORTM	5132	0.34	1.42	0.00	7.00
R12SSUPPORTM	5201	0.28	1.28	0.00	7.00
R13SSUPPORTM	4349	0.30	1.33	0.00	7.00
R14SSUPPORTM	3942	0.32	1.36	0.00	7.00
R15SSUPPORTM	3107	0.29	1.31	0.00	7.00
S8SSUPPORTM	5156	0.11	0.80	0.00	7.00
S9SSUPPORTM	4387	0.12	0.85	0.00	7.00
S10SSUPPORTM	5270	0.08	0.64	0.00	7.00
S11SSUPPORTM	4589	0.15	0.92	0.00	7.00
S12SSUPPORTM	4587	0.09	0.65	0.00	7.00
S13SSUPPORTM	3732	0.09	0.64	0.00	7.00
S14SSUPPORTM	3363	0.10	0.72	0.00	7.00
S15SSUPPORTM	2629	0.08	0.62	0.00	7.00

### Categorical Variable Codes

Value-----			R8SUSTDFE	R9SUSTDFE	R10SUSTDFE
.c:not in self-completion m			10739	10144	13702
.m:Missing			151	169	155
.n:does not apply			2199	2251	2529
1.a lot			2545	2180	2752
2.some			2043	1706	2014
3.a little			626	588	667
4.not at all			166	179	215
Value-----	R11SUSTDFE	R12SUSTDFE	R13SUSTDFE	R14SUSTDFE	R15SUSTDFE
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	235	169	159	153	112
.n:does not apply	2289	2345	2028	1802	1567
1.a lot	2356	2366	2038	1857	1516
2.some	1753	1834	1527	1301	1014
3.a little	607	631	482	481	357
4.not at all	172	196	136	145	104
Value-----			S8SUSTDFE	S9SUSTDFE	S10SUSTDFE
.c:not in self-completion m			6538	6211	8173
.m:Missing			85	81	59
.n:does not apply			34	42	65
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.a lot			2432	2041	2585
2.some			1947	1605	1863
3.a little			576	538	609
4.not at all			116	122	154
Value-----	S11SUSTDFE	S12SUSTDFE	S13SUSTDFE	S14SUSTDFE	S15SUSTDFE
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	103	45	49	48	34
.n:does not apply	47	48	48	34	40
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.a lot	2207	2212	1848	1685	1345
2.some	1605	1654	1348	1132	897
3.a little	538	554	405	406	289
4.not at all	136	122	82	93	63
Value-----			R8SRELY	R9SRELY	R10SRELY
.c:not in self-completion m			10739	10144	13702
.m:Missing			138	156	146
.n:does not apply			2212	2253	2536
1.a lot			4307	3712	4552
2.some			689	578	649
3.a little			257	244	301
4.not at all			127	130	148

Value-----	R11SRELY	R12SRELY	R13SRELY	R14SRELY	R15SRELY
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	226	177	154	150	109
.n:does not apply	2291	2361	2053	1817	1575
1.a lot	3910	3945	3302	2971	2393
2.some	627	662	540	507	367
3.a little	246	272	221	204	154
4.not at all	112	124	100	90	72

Value-----	S8SRELY	S9SRELY	S10SRELY
.c:not in self-completion m	6538	6211	8173
.m:Missing	74	69	48
.n:does not apply	34	43	66
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.a lot	4142	3519	4295
2.some	633	518	577
3.a little	221	209	260
4.not at all	86	71	89

Value-----	S11SRELY	S12SRELY	S13SRELY	S14SRELY	S15SRELY
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	91	51	37	44	26
.n:does not apply	47	48	49	34	39
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.a lot	3682	3684	3026	2692	2144
2.some	548	576	443	412	305
3.a little	203	215	180	168	112
4.not at all	65	61	45	48	42

Value-----	R8SOPENUP	R9SOPENUP	R10SOPENUP
.c:not in self-completion m	10739	10144	13702
.m:Missing	141	166	152
.n:does not apply	2210	2256	2536
1.a lot	2971	2616	3287
2.some	1637	1357	1546
3.a little	579	473	561
4.not at all	192	205	250

Value-----	R11SOPENUP	R12SOPENUP	R13SOPENUP	R14SOPENUP	R15SOPENUP
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	227	185	157	152	106
.n:does not apply	2289	2363	2052	1818	1579
1.a lot	2785	2867	2431	2196	1766
2.some	1432	1385	1166	1037	800
3.a little	479	540	407	378	292
4.not at all	200	201	157	158	127

Value-----	S8SOPENUP	S9SOPENUP	S10SOPENUP
.c:not in self-completion m	6538	6211	8173
.m:Missing	78	77	53
.n:does not apply	34	42	67
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.a lot	2855	2472	3075
2.some	1552	1266	1454
3.a little	522	432	499
4.not at all	149	140	187

Value-----	S11SOPENUP	S12SOPENUP	S13SOPENUP	S14SOPENUP	S15SOPENUP
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	91	57	42	47	21
.n:does not apply	47	48	49	34	39
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.a lot	2609	2674	2223	1994	1583
2.some	1318	1268	1020	896	698
3.a little	422	460	351	317	240
4.not at all	149	128	95	110	87

Value-----	R8SDEMAND	R9SDEMAND	R10SDEMAND
.c:not in self-completion m	10739	10144	13702
.m:Missing	155	168	158
.n:does not apply	2207	2257	2537
1.not at all	1605	1535	1904

2.a little			2074	1713	2082
3.some			1338	1064	1239
4.a lot			351	336	412
Value-----	R11SDEMAND	R12SDEMAND	R13SDEMAND	R14SDEMAND	R15SDEMAND
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	245	189	162	153	112
.n:does not apply	2297	2366	2051	1825	1581
1.not at all	1557	1669	1401	1296	1083
2.a little	1847	1886	1518	1391	1084
3.some	1112	1116	925	828	624
4.a lot	354	315	313	246	186
Value-----			S8SDEMAND	S9SDEMAND	S10SDEMAND
.c:not in self-completion m			6538	6211	8173
.m:Missing			89	80	56
.n:does not apply			34	42	66
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.not at all			1488	1391	1742
2.a little			1979	1625	1954
3.some			1279	996	1152
4.a lot			321	295	365
Value-----	S11SDEMAND	S12SDEMAND	S13SDEMAND	S14SDEMAND	S15SDEMAND
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	105	55	45	43	27
.n:does not apply	47	48	49	35	40
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	1415	1506	1203	1135	945
2.a little	1711	1734	1383	1238	955
3.some	1039	1019	829	730	549
4.a lot	319	273	271	217	152
Value-----			R8SCRITZE	R9SCRITZE	R10SCRITZE
.c:not in self-completion m			10739	10144	13702
.m:Missing			148	175	165
.n:does not apply			2210	2264	2538
1.not at all			1401	1347	1705
2.a little			2325	1892	2351
3.some			1237	1037	1152
4.a lot			409	358	421
Value-----	R11SCRITZE	R12SCRITZE	R13SCRITZE	R14SCRITZE	R15SCRITZE
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	252	198	161	165	113
.n:does not apply	2296	2366	2056	1824	1583
1.not at all	1410	1513	1292	1208	1028
2.a little	2019	2149	1721	1565	1196
3.some	1081	963	847	721	571
4.a lot	354	352	293	256	179
Value-----			S8SCRITZE	S9SCRITZE	S10SCRITZE
.c:not in self-completion m			6538	6211	8173
.m:Missing			83	86	64
.n:does not apply			34	42	66
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.not at all			1274	1217	1550
2.a little			2235	1792	2198
3.some			1188	970	1082
4.a lot			376	322	375
Value-----	S11SCRITZE	S12SCRITZE	S13SCRITZE	S14SCRITZE	S15SCRITZE
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	111	66	44	49	30
.n:does not apply	48	48	49	35	39
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	1274	1337	1120	1051	884
2.a little	1877	1988	1573	1402	1043
3.some	1009	885	748	648	525
4.a lot	317	311	246	213	147
Value-----			R8SLETDOW	R9SLETDOW	R10SLETDOW

.c:not in self-completion m			10739	10144	13702
.m:Missing			155	165	164
.n:does not apply			2212	2258	2539
1.not at all			2864	2597	3138
2.a little			1514	1213	1498
3.some			771	648	767
4.a lot			214	192	226
Value-----	R11SLETDOW	R12SLETDOW	R13SLETDOW	R14SLETDOW	R15SLETDOW
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	238	194	167	163	112
.n:does not apply	2299	2368	2057	1823	1582
1.not at all	2649	2710	2249	2047	1706
2.a little	1343	1376	1128	1059	815
3.some	695	681	575	508	349
4.a lot	188	212	194	139	106
Value-----			S8SLETDOW	S9SLETDOW	S10SLETDOW
.c:not in self-completion m			6538	6211	8173
.m:Missing			90	77	60
.n:does not apply			35	42	66
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.not at all			2721	2423	2941
2.a little			1433	1132	1392
3.some			726	602	688
4.a lot			185	153	188
Value-----	S11SLETDOW	S12SLETDOW	S13SLETDOW	S14SLETDOW	S15SLETDOW
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	99	60	50	50	28
.n:does not apply	47	49	49	35	40
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2468	2501	2040	1833	1508
2.a little	1241	1260	1001	932	704
3.some	625	597	491	441	300
4.a lot	156	168	149	107	88
Value-----			R8SGETNEV	R9SGETNEV	R10SGETNEV
.c:not in self-completion m			10739	10144	13702
.m:Missing			147	163	155
.n:does not apply			2216	2258	2538
1.not at all			1288	1175	1476
2.a little			2702	2253	2769
3.some			1058	903	1013
4.a lot			319	321	381
Value-----	R11SGETNEV	R12SGETNEV	R13SGETNEV	R14SGETNEV	R15SGETNEV
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	233	186	157	149	115
.n:does not apply	2298	2369	2055	1825	1581
1.not at all	1229	1302	1043	955	737
2.a little	2382	2426	2026	1852	1480
3.some	939	943	807	722	556
4.a lot	331	315	282	236	201
Value-----			S8SGETNEV	S9SGETNEV	S10SGETNEV
.c:not in self-completion m			6538	6211	8173
.m:Missing			83	75	55
.n:does not apply			35	43	66
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.not at all			1189	1063	1344
2.a little			2603	2134	2604
3.some			996	837	937
4.a lot			284	277	329
Value-----	S11SGETNEV	S12SGETNEV	S13SGETNEV	S14SGETNEV	S15SGETNEV
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	95	55	45	39	33
.n:does not apply	47	49	49	35	40
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	1111	1173	895	841	624
2.a little	2227	2251	1851	1649	1320

3.some		875	850	715	646	483
4.a lot		281	257	225	188	168

### How Constructed:

RwSUSTDFE indicates how much the respondent feels their spouse really understands the way they feel about things.

RwSRELY indicates how much the respondent feels they can rely on their spouse if they have a serious problem.

RwSOPENUP indicates how much the respondent feels they can open up to their spouse when they need to talk about their worries.

RwSDEMAND indicates how often the respondent feels their spouse makes too many demands on them.

RwSCRITZE indicates how much the respondent feels their spouse criticizes them.

RwSLETDOW indicates how much the respondent feels their spouse lets them down when they are counting on them.

RwSGETNEV indicates how much the respondent feels their spouse gets on their nerves.

These variables are coded so that a higher value indicates a higher amount of stress for the respondent. RwSUSTDFE, RwSRELY, and RwSOPENUP are coded as follows: 1.a lot, 2.some, 3.a little and 4.not at all. RwSDEMAND, RwSCRITZE, RwSLETDOW, and RwSGETNEV are coded as follows: 1.not at all, 2.a little, 3.some, 4.a lot. Special missing .n is assigned if the respondent indicates they did not live with a husband, wife or partner. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwSUSTDFE, SwSRELY, SwSOPENUP, SwSDEMAND, SwSCRITZE, SwSLETDOW and SwSGETNEV indicate the respondent's current wave's spouse's feelings about their spouse, and their values are taken from the spouse's values to RwSUSTDFE, RwSRELY, RwSOPENUP, RwSDEMAND, RwSCRITZE, RwSLETDOW and RwSGETNEV. In addition to the special missing codes used in RwSUSTDFE, RwSRELY, RwSOPENUP, RwSDEMAND, RwSCRITZE, RwSLETDOW and RwSGETNEV, SwSUSTDFE, SwSRELY, SwSOPENUP, SwSDEMAND, SwSCRITZE, SwSLETDOW and SwSGETNEV employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSSUPPORT indicates the mean of the seven different spouse support questions (RwSUSTDFE, RwSRELY, RwSOPENUP, RwSDEMAND, RwSCRITZE, RwSLETDOW and RwSGETNEV) and can be used as a summary score. Since RwSSUPPORT indicates how much the respondent feels a lack of support from their spouse, higher scores indicate less support that the respondent feels from their spouse. RwSSUPPORT is calculated for any respondent with at least one non-missing value for its seven components. RwSSUPPORTM counts the number of components with missing values in RwSSUPPORT, which could be between no missing components (0) and seven missing components (7). Special missing .n is assigned to RwSSUPPORT and RwSSUPPORTM if the respondent indicates they did not live with a husband, wife or partner. Special missing .c is assigned to RwSSUPPORT and RwSSUPPORTM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RwSSUPPORT if the respondent is eligible for and completed the leave behind questionnaire but their response for all questions are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwSSUPPORT and SwSSUPPORTM indicate the mean summary score of seven different spouse support questions and the count of any missing components for the respondent's current wave's spouse, and their values are taken from the spouse's values to RwSSUPPORT and RwSSUPPORTM. In addition to the special missing codes used in RwSSUPPORT and RwSSUPPORTM, SwSSUPPORT and SwSSUPPORTM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The questions related to spouse's support were added in Wave 8.

### HRS Variables Used:

#### Wave 8:

KLB004	q04. live with spouse or partner
KLB005A	q05a. sp/p understand the way you feel
KLB005B	q05b. rely on sp/p if serious problem
KLB005C	q05c. open up to sp/p about worries
KLB005D	q05d. too many demands on you - sp/p
KLB005E	q05e. amt sp/p criticizes you
KLB005F	q05f. sp/p let you down
KLB005G	q05g. sp/p gets on your nerves
KLBCOMP	mode completed leave behind qnaire

#### Wave 9:

LLB004	q04. live with spouse or partner
LLB005A	q05a. sp/p understand the way you feel
LLB005B	q05b. rely on sp/p if serious problem
LLB005C	q05c. open up to sp/p about worries
LLB005D	q05d. too many demands on you - sp/p
LLB005E	q05e. amt sp/p criticizes you
LLB005F	q05f. sp/p let you down
LLB005G	q05g. sp/p gets on your nerves
LLBCOMP	mode completed leave behind qnaire

#### Wave 10:

MLB004	q04. live with spouse or partner
MLB005A	q05a. sp/p understand the way you feel
MLB005B	q05b. rely on sp/p if serious problem
MLB005C	q05c. open up to sp/p about worries
MLB005D	q05d. too many demands on you - sp/p
MLB005E	q05e. amt sp/p criticizes you
MLB005F	q05f. sp/p let you down
MLB005G	q05g. sp/p gets on your nerves
MLBCOMP	mode completed leave behind qnaire

#### Wave 11:

NLB004	q04. live with spouse or partner
NLB005A	q05a. sp/p understand the way you feel
NLB005B	q05b. rely on sp/p if serious problem
NLB005C	q05c. open up to sp/p about worries
NLB005D	q05d. too many demands on you - sp/p
NLB005E	q05e. amt sp/p criticizes you
NLB005F	q05f. sp/p let you down
NLB005G	q05g. sp/p gets on your nerves
NLBCOMP	mode completed leave behind qnaire

#### Wave 12:

OLB003	q03. live with spouse or partner
OLB004A	q04a. sp/p understand the way you feel
OLB004B	q04b. rely on sp/p if serious problem
OLB004C	q04c. open up to sp/p about worries
OLB004D	q04d. too many demands on you - sp/p
OLB004E	q04e. amt sp/p criticizes you
OLB004F	q04f. sp/p let you down
OLB004G	q04g. sp/p gets on your nerves
OLBCOMP	mode completed leave behind qnaire

#### Wave 13:

PLB003	q03. live with spouse or partner
PLB004A	q04a. sp/p understand the way you feel
PLB004B	q04b. rely on sp/p if serious problem
PLB004C	q04c. open up to sp/p about worries
PLB004D	q04d. too many demands on you - sp/p

PLB004E q04e. amt sp/p criticizes you  
PLB004F q04f. sp/p let you down  
PLB004G q04g. sp/p gets on your nerves  
PLBCOMP mode completed leave behind qnaire

## Wave 14:

QLB003 q03. live with spouse or partner  
QLB004A q04a. sp understand the way you feel  
QLB004B q04b. rely on sp/p if serious problem  
QLB004C q04c. open up to sp/p about worries  
QLB004D q04d. too many demands on you - sp/p  
QLB004E q04e. amt sp/p criticizes you  
QLB004F q04f. sp/p let you down  
QLB004G q04g. sp/p gets on your nerves  
QLBCOMP mode completed leave behind qnaire

## Wave 15:

RLB003 q03. live with spouse or partner  
RLB004A q04a. sp understand the way you feel  
RLB004B q04b. rely on sp/p if serious problem  
RLB004C q04c. open up to sp/p about worries  
RLB004D q04d. too many demands on you - sp/p  
RLB004E q04e. amt sp/p criticizes you  
RLB004F q04f. sp/p let you down  
RLB004G q04g. sp/p gets on your nerves  
RLBCOMP mode completed leave behind qnaire



<b>Social Support: Children</b>
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Wave	Variable	Label	Type
08	R8KUSTDFE	r8kustdfe:w8 r thinks children understand the way they feel	Categ
09	R9KUSTDFE	r9kustdfe:w9 r thinks children understand the way they feel	Categ
10	R10KUSTDFE	r10kustdfe:w10 r thinks children understand the way they fee	Categ
11	R11KUSTDFE	r11kustdfe:w11 r thinks children understand the way they fee	Categ
12	R12KUSTDFE	r12kustdfe:w12 r thinks children understand the way they fee	Categ
13	R13KUSTDFE	r13kustdfe:w13 r thinks children understand the way they fee	Categ
14	R14KUSTDFE	r14kustdfe:w14 r thinks children understand the way they fee	Categ
15	R15KUSTDFE	r15kustdfe:w15 r thinks children understand the way they fee	Categ
08	S8KUSTDFE	s8kustdfe:w8 s thinks children understand the way they feel	Categ
09	S9KUSTDFE	s9kustdfe:w9 s thinks children understand the way they feel	Categ
10	S10KUSTDFE	s10kustdfe:w10 s thinks children understand the way they fee	Categ
11	S11KUSTDFE	s11kustdfe:w11 s thinks children understand the way they fee	Categ
12	S12KUSTDFE	s12kustdfe:w12 s thinks children understand the way they fee	Categ
13	S13KUSTDFE	s13kustdfe:w13 s thinks children understand the way they fee	Categ
14	S14KUSTDFE	s14kustdfe:w14 s thinks children understand the way they fee	Categ
15	S15KUSTDFE	s15kustdfe:w15 s thinks children understand the way they fee	Categ
08	R8KRELY	r8krely:w8 r can rely on children for a serious problem	Categ
09	R9KRELY	r9krely:w9 r can rely on children for a serious problem	Categ
10	R10KRELY	r10krely:w10 r can rely on children for a serious problem	Categ
11	R11KRELY	r11krely:w11 r can rely on children for a serious problem	Categ
12	R12KRELY	r12krely:w12 r can rely on children for a serious problem	Categ
13	R13KRELY	r13krely:w13 r can rely on children for a serious problem	Categ
14	R14KRELY	r14krely:w14 r can rely on children for a serious problem	Categ
15	R15KRELY	r15krely:w15 r can rely on children for a serious problem	Categ
08	S8KRELY	s8krely:w8 s can rely on children for a serious problem	Categ
09	S9KRELY	s9krely:w9 s can rely on children for a serious problem	Categ
10	S10KRELY	s10krely:w10 s can rely on children for a serious problem	Categ
11	S11KRELY	s11krely:w11 s can rely on children for a serious problem	Categ
12	S12KRELY	s12krely:w12 s can rely on children for a serious problem	Categ
13	S13KRELY	s13krely:w13 s can rely on children for a serious problem	Categ
14	S14KRELY	s14krely:w14 s can rely on children for a serious problem	Categ
15	S15KRELY	s15krely:w15 s can rely on children for a serious problem	Categ
08	R8KOPENUP	r8kopenup:w8 r can open up their worries to children	Categ
09	R9KOPENUP	r9kopenup:w9 r can open up their worries to children	Categ
10	R10KOPENUP	r10kopenup:w10 r can open up their worries to children	Categ
11	R11KOPENUP	r11kopenup:w11 r can open up their worries to children	Categ
12	R12KOPENUP	r12kopenup:w12 r can open up their worries to children	Categ
13	R13KOPENUP	r13kopenup:w13 r can open up their worries to children	Categ
14	R14KOPENUP	r14kopenup:w14 r can open up their worries to children	Categ
15	R15KOPENUP	r15kopenup:w15 r can open up their worries to children	Categ
08	S8KOPENUP	s8kopenup:w8 s can open up their worries to children	Categ
09	S9KOPENUP	s9kopenup:w9 s can open up their worries to children	Categ
10	S10KOPENUP	s10kopenup:w10 s can open up their worries to children	Categ
11	S11KOPENUP	s11kopenup:w11 s can open up their worries to children	Categ
12	S12KOPENUP	s12kopenup:w12 s can open up their worries to children	Categ
13	S13KOPENUP	s13kopenup:w13 s can open up their worries to children	Categ
14	S14KOPENUP	s14kopenup:w14 s can open up their worries to children	Categ
15	S15KOPENUP	s15kopenup:w15 s can open up their worries to children	Categ
08	R8KDEMAND	r8kdemand:w8 children put too many demands on r	Categ
09	R9KDEMAND	r9kdemand:w9 children put too many demands on r	Categ
10	R10KDEMAND	r10kdemand:w10 children put too many demands on r	Categ

11	R11KDEMAND	r11kdemand:w11 children put too many demands on r	Categ
12	R12KDEMAND	r12kdemand:w12 children put too many demands on r	Categ
13	R13KDEMAND	r13kdemand:w13 children put too many demands on r	Categ
14	R14KDEMAND	r14kdemand:w14 children put too many demands on r	Categ
15	R15KDEMAND	r15kdemand:w15 children put too many demands on r	Categ
08	S8KDEMAND	s8kdemand:w8 children put too many demands on s	Categ
09	S9KDEMAND	s9kdemand:w9 children put too many demands on s	Categ
10	S10KDEMAND	s10kdemand:w10 children put too many demands on s	Categ
11	S11KDEMAND	s11kdemand:w11 children put too many demands on s	Categ
12	S12KDEMAND	s12kdemand:w12 children put too many demands on s	Categ
13	S13KDEMAND	s13kdemand:w13 children put too many demands on s	Categ
14	S14KDEMAND	s14kdemand:w14 children put too many demands on s	Categ
15	S15KDEMAND	s15kdemand:w15 children put too many demands on s	Categ
08	R8KCRITZE	r8kcritze:w8 how much children criticize r	Categ
09	R9KCRITZE	r9kcritze:w9 how much children criticize r	Categ
10	R10KCRITZE	r10kcritze:w10 how much children criticize r	Categ
11	R11KCRITZE	r11kcritze:w11 how much children criticize r	Categ
12	R12KCRITZE	r12kcritze:w12 how much children criticize r	Categ
13	R13KCRITZE	r13kcritze:w13 how much children criticize r	Categ
14	R14KCRITZE	r14kcritze:w14 how much children criticize r	Categ
15	R15KCRITZE	r15kcritze:w15 how much children criticize r	Categ
08	S8KCRITZE	s8kcritze:w8 how much children criticize s	Categ
09	S9KCRITZE	s9kcritze:w9 how much children criticize s	Categ
10	S10KCRITZE	s10kcritze:w10 how much children criticize s	Categ
11	S11KCRITZE	s11kcritze:w11 how much children criticize s	Categ
12	S12KCRITZE	s12kcritze:w12 how much children criticize s	Categ
13	S13KCRITZE	s13kcritze:w13 how much children criticize s	Categ
14	S14KCRITZE	s14kcritze:w14 how much children criticize s	Categ
15	S15KCRITZE	s15kcritze:w15 how much children criticize s	Categ
08	R8KLETDOW	r8kletdow:w8 children let r down when counting on them	Categ
09	R9KLETDOW	r9kletdow:w9 children let r down when counting on them	Categ
10	R10KLETDOW	r10kletdow:w10 children let r down when counting on them	Categ
11	R11KLETDOW	r11kletdow:w11 children let r down when counting on them	Categ
12	R12KLETDOW	r12kletdow:w12 children let r down when counting on them	Categ
13	R13KLETDOW	r13kletdow:w13 children let r down when counting on them	Categ
14	R14KLETDOW	r14kletdow:w14 children let r down when counting on them	Categ
15	R15KLETDOW	r15kletdow:w15 children let r down when counting on them	Categ
08	S8KLETDOW	s8kletdow:w8 children let s down when counting on them	Categ
09	S9KLETDOW	s9kletdow:w9 children let s down when counting on them	Categ
10	S10KLETDOW	s10kletdow:w10 children let s down when counting on them	Categ
11	S11KLETDOW	s11kletdow:w11 children let s down when counting on them	Categ
12	S12KLETDOW	s12kletdow:w12 children let s down when counting on them	Categ
13	S13KLETDOW	s13kletdow:w13 children let s down when counting on them	Categ
14	S14KLETDOW	s14kletdow:w14 children let s down when counting on them	Categ
15	S15KLETDOW	s15kletdow:w15 children let s down when counting on them	Categ
08	R8KGETNEV	r8kgetnev:w8 children get on r's nerves	Categ
09	R9KGETNEV	r9kgetnev:w9 children get on r's nerves	Categ
10	R10KGETNEV	r10kgetnev:w10 children get on r's nerves	Categ
11	R11KGETNEV	r11kgetnev:w11 children get on r's nerves	Categ
12	R12KGETNEV	r12kgetnev:w12 children get on r's nerves	Categ
13	R13KGETNEV	r13kgetnev:w13 children get on r's nerves	Categ
14	R14KGETNEV	r14kgetnev:w14 children get on r's nerves	Categ
15	R15KGETNEV	r15kgetnev:w15 children get on r's nerves	Categ
08	S8KGETNEV	s8kgetnev:w8 children get on s's nerves	Categ
09	S9KGETNEV	s9kgetnev:w9 children get on s's nerves	Categ
10	S10KGETNEV	s10kgetnev:w10 children get on s's nerves	Categ

11	S11KGETNEV	s11kgetnev:w11 children get on s's nerves	Categ
12	S12KGETNEV	s12kgetnev:w12 children get on s's nerves	Categ
13	S13KGETNEV	s13kgetnev:w13 children get on s's nerves	Categ
14	S14KGETNEV	s14kgetnev:w14 children get on s's nerves	Categ
15	S15KGETNEV	s15kgetnev:w15 children get on s's nerves	Categ
08	R8KSUPPORT	r8ksupport:w8 r lack of children support summary mean score	Cont
09	R9KSUPPORT	r9ksupport:w9 r lack of children support summary mean score	Cont
10	R10KSUPPORT	r10ksupport:w10 r lack of children support summary mean scor	Cont
11	R11KSUPPORT	r11ksupport:w11 r lack of children support summary mean scor	Cont
12	R12KSUPPORT	r12ksupport:w12 r lack of children support summary mean scor	Cont
13	R13KSUPPORT	r13ksupport:w13 r lack of children support summary mean scor	Cont
14	R14KSUPPORT	r14ksupport:w14 r lack of children support summary mean scor	Cont
15	R15KSUPPORT	r15ksupport:w15 r lack of children support summary mean scor	Cont
08	S8KSUPPORT	s8ksupport:w8 s lack of children support summary mean score	Cont
09	S9KSUPPORT	s9ksupport:w9 s lack of children support summary mean score	Cont
10	S10KSUPPORT	s10ksupport:w10 s lack of children support summary mean scor	Cont
11	S11KSUPPORT	s11ksupport:w11 s lack of children support summary mean scor	Cont
12	S12KSUPPORT	s12ksupport:w12 s lack of children support summary mean scor	Cont
13	S13KSUPPORT	s13ksupport:w13 s lack of children support summary mean scor	Cont
14	S14KSUPPORT	s14ksupport:w14 s lack of children support summary mean scor	Cont
15	S15KSUPPORT	s15ksupport:w15 s lack of children support summary mean scor	Cont
08	R8KSUPPORTM	r8ksupportm:w8 missings in r lack of children support summar	Cont
09	R9KSUPPORTM	r9ksupportm:w9 missings in r lack of children support summar	Cont
10	R10KSUPPORTM	r10ksupportm:w10 missings in r lack of children support summ	Cont
11	R11KSUPPORTM	r11ksupportm:w11 missings in r lack of children support summ	Cont
12	R12KSUPPORTM	r12ksupportm:w12 missings in r lack of children support summ	Cont
13	R13KSUPPORTM	r13ksupportm:w13 missings in r lack of children support summ	Cont
14	R14KSUPPORTM	r14ksupportm:w14 missings in r lack of children support summ	Cont
15	R15KSUPPORTM	r15ksupportm:w15 missings in r lack of children support summ	Cont
08	S8KSUPPORTM	s8ksupportm:w8 missings in s lack of children support summar	Cont
09	S9KSUPPORTM	s9ksupportm:w9 missings in s lack of children support summar	Cont
10	S10KSUPPORTM	s10ksupportm:w10 missings in s lack of children support summ	Cont
11	S11KSUPPORTM	s11ksupportm:w11 missings in s lack of children support summ	Cont
12	S12KSUPPORTM	s12ksupportm:w12 missings in s lack of children support summ	Cont
13	S13KSUPPORTM	s13ksupportm:w13 missings in s lack of children support summ	Cont
14	S14KSUPPORTM	s14ksupportm:w14 missings in s lack of children support summ	Cont
15	S15KSUPPORTM	s15ksupportm:w15 missings in s lack of children support summ	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8KUSTDFE	6926	1.80	0.80	1.00	4.00
R9KUSTDFE	6328	1.81	0.82	1.00	4.00
R10KUSTDFE	7321	1.83	0.82	1.00	4.00
R11KUSTDFE	6546	1.83	0.83	1.00	4.00
R12KUSTDFE	6556	1.83	0.83	1.00	4.00
R13KUSTDFE	5465	1.83	0.83	1.00	4.00
R14KUSTDFE	4690	1.84	0.82	1.00	4.00
R15KUSTDFE	4021	1.78	0.81	1.00	4.00
S8KUSTDFE	4780	1.83	0.78	1.00	4.00
S9KUSTDFE	4065	1.84	0.80	1.00	4.00
S10KUSTDFE	4815	1.86	0.81	1.00	4.00
S11KUSTDFE	4222	1.85	0.81	1.00	4.00
S12KUSTDFE	4151	1.85	0.81	1.00	4.00
S13KUSTDFE	3388	1.85	0.81	1.00	4.00
S14KUSTDFE	2996	1.83	0.78	1.00	4.00
S15KUSTDFE	2408	1.81	0.79	1.00	4.00

R8KRELY	6932	1.55	0.84	1.00	4.00
R9KRELY	6332	1.52	0.83	1.00	4.00
R10KRELY	7332	1.59	0.87	1.00	4.00
R11KRELY	6538	1.57	0.85	1.00	4.00
R12KRELY	6564	1.58	0.86	1.00	4.00
R13KRELY	5470	1.59	0.86	1.00	4.00
R14KRELY	4699	1.59	0.86	1.00	4.00
R15KRELY	4021	1.52	0.83	1.00	4.00
S8KRELY	4782	1.58	0.84	1.00	4.00
S9KRELY	4069	1.55	0.84	1.00	4.00
S10KRELY	4817	1.62	0.86	1.00	4.00
S11KRELY	4220	1.61	0.86	1.00	4.00
S12KRELY	4153	1.61	0.85	1.00	4.00
S13KRELY	3391	1.61	0.85	1.00	4.00
S14KRELY	2999	1.59	0.83	1.00	4.00
S15KRELY	2403	1.55	0.82	1.00	4.00
R8KOPENUP	6926	1.87	0.89	1.00	4.00
R9KOPENUP	6319	1.86	0.92	1.00	4.00
R10KOPENUP	7321	1.90	0.91	1.00	4.00
R11KOPENUP	6534	1.87	0.92	1.00	4.00
R12KOPENUP	6560	1.87	0.91	1.00	4.00
R13KOPENUP	5463	1.86	0.92	1.00	4.00
R14KOPENUP	4688	1.91	0.93	1.00	4.00
R15KOPENUP	4018	1.83	0.90	1.00	4.00
S8KOPENUP	4776	1.91	0.88	1.00	4.00
S9KOPENUP	4057	1.91	0.91	1.00	4.00
S10KOPENUP	4807	1.96	0.91	1.00	4.00
S11KOPENUP	4218	1.92	0.91	1.00	4.00
S12KOPENUP	4147	1.92	0.91	1.00	4.00
S13KOPENUP	3383	1.90	0.92	1.00	4.00
S14KOPENUP	2997	1.93	0.91	1.00	4.00
S15KOPENUP	2403	1.88	0.89	1.00	4.00
R8KDEMAND	6914	1.77	0.88	1.00	4.00
R9KDEMAND	6309	1.69	0.86	1.00	4.00
R10KDEMAND	7321	1.77	0.90	1.00	4.00
R11KDEMAND	6537	1.74	0.89	1.00	4.00
R12KDEMAND	6556	1.70	0.88	1.00	4.00
R13KDEMAND	5456	1.73	0.88	1.00	4.00
R14KDEMAND	4695	1.68	0.86	1.00	4.00
R15KDEMAND	4020	1.61	0.83	1.00	4.00
S8KDEMAND	4771	1.82	0.88	1.00	4.00
S9KDEMAND	4056	1.70	0.85	1.00	4.00
S10KDEMAND	4814	1.79	0.90	1.00	4.00
S11KDEMAND	4216	1.77	0.89	1.00	4.00
S12KDEMAND	4149	1.72	0.87	1.00	4.00
S13KDEMAND	3385	1.76	0.89	1.00	4.00
S14KDEMAND	2995	1.71	0.86	1.00	4.00
S15KDEMAND	2403	1.63	0.84	1.00	4.00
R8KCRITZE	6891	1.68	0.78	1.00	4.00
R9KCRITZE	6277	1.66	0.81	1.00	4.00
R10KCRITZE	7296	1.68	0.80	1.00	4.00
R11KCRITZE	6505	1.68	0.81	1.00	4.00
R12KCRITZE	6554	1.67	0.81	1.00	4.00
R13KCRITZE	5455	1.67	0.82	1.00	4.00
R14KCRITZE	4678	1.65	0.80	1.00	4.00
R15KCRITZE	4013	1.62	0.79	1.00	4.00

S8KCRITZE	4755	1.67	0.76	1.00	4.00
S9KCRITZE	4040	1.62	0.77	1.00	4.00
S10KCRITZE	4795	1.64	0.78	1.00	4.00
S11KCRITZE	4198	1.64	0.77	1.00	4.00
S12KCRITZE	4145	1.63	0.77	1.00	4.00
S13KCRITZE	3384	1.63	0.79	1.00	4.00
S14KCRITZE	2990	1.62	0.77	1.00	4.00
S15KCRITZE	2404	1.59	0.76	1.00	4.00
R8KLETDOW	6905	1.68	0.84	1.00	4.00
R9KLETDOW	6308	1.67	0.85	1.00	4.00
R10KLETDOW	7312	1.70	0.85	1.00	4.00
R11KLETDOW	6519	1.68	0.86	1.00	4.00
R12KLETDOW	6620	1.70	0.85	1.00	4.00
R13KLETDOW	5526	1.76	0.88	1.00	4.00
R14KLETDOW	4965	1.70	0.86	1.00	4.00
R15KLETDOW	4087	1.62	0.82	1.00	4.00
S8KLETDOW	4765	1.69	0.82	1.00	4.00
S9KLETDOW	4059	1.67	0.83	1.00	4.00
S10KLETDOW	4801	1.70	0.84	1.00	4.00
S11KLETDOW	4203	1.67	0.83	1.00	4.00
S12KLETDOW	4163	1.70	0.83	1.00	4.00
S13KLETDOW	3405	1.74	0.86	1.00	4.00
S14KLETDOW	3031	1.69	0.83	1.00	4.00
S15KLETDOW	2432	1.61	0.81	1.00	4.00
R8KGETNEV	6909	1.78	0.81	1.00	4.00
R9KGETNEV	6310	1.76	0.82	1.00	4.00
R10KGETNEV	7323	1.79	0.82	1.00	4.00
R11KGETNEV	6536	1.77	0.83	1.00	4.00
R12KGETNEV	6585	1.75	0.80	1.00	4.00
R13KGETNEV	5501	1.79	0.82	1.00	4.00
R14KGETNEV	4939	1.74	0.80	1.00	4.00
R15KGETNEV	4068	1.70	0.78	1.00	4.00
S8KGETNEV	4767	1.79	0.78	1.00	4.00
S9KGETNEV	4057	1.75	0.78	1.00	4.00
S10KGETNEV	4809	1.79	0.79	1.00	4.00
S11KGETNEV	4213	1.77	0.80	1.00	4.00
S12KGETNEV	4138	1.73	0.77	1.00	4.00
S13KGETNEV	3396	1.77	0.79	1.00	4.00
S14KGETNEV	3013	1.72	0.77	1.00	4.00
S15KGETNEV	2423	1.69	0.76	1.00	4.00
R8KSUPPORT	6960	1.74	0.57	1.00	4.00
R9KSUPPORT	6356	1.71	0.57	1.00	4.00
R10KSUPPORT	7360	1.75	0.58	1.00	4.00
R11KSUPPORT	6580	1.74	0.58	1.00	4.00
R12KSUPPORT	6684	1.73	0.59	1.00	4.00
R13KSUPPORT	5604	1.75	0.59	1.00	4.00
R14KSUPPORT	4994	1.73	0.59	1.00	4.00
R15KSUPPORT	4107	1.67	0.56	1.00	4.00
S8KSUPPORT	4797	1.76	0.56	1.00	4.00
S9KSUPPORT	4076	1.72	0.55	1.00	4.00
S10KSUPPORT	4832	1.77	0.56	1.00	4.00
S11KSUPPORT	4241	1.75	0.57	1.00	4.00
S12KSUPPORT	4203	1.74	0.57	1.00	4.00
S13KSUPPORT	3446	1.75	0.58	1.00	4.00
S14KSUPPORT	3040	1.73	0.55	1.00	4.00
S15KSUPPORT	2442	1.68	0.55	1.00	4.00

R8KSUPPORTM	7069	0.15	0.93	0.00	7.00
R9KSUPPORTM	6466	0.17	0.98	0.00	7.00
R10KSUPPORTM	7446	0.12	0.82	0.00	7.00
R11KSUPPORTM	6687	0.16	0.95	0.00	7.00
R12KSUPPORTM	6743	0.18	0.93	0.00	7.00
R13KSUPPORTM	5650	0.21	1.00	0.00	7.00
R14KSUPPORTM	5086	0.44	1.48	0.00	7.00
R15KSUPPORTM	4160	0.21	1.05	0.00	7.00
S8KSUPPORTM	4862	0.13	0.87	0.00	7.00
S9KSUPPORTM	4133	0.13	0.86	0.00	7.00
S10KSUPPORTM	4877	0.10	0.74	0.00	7.00
S11KSUPPORTM	4296	0.14	0.86	0.00	7.00
S12KSUPPORTM	4226	0.13	0.76	0.00	7.00
S13KSUPPORTM	3462	0.15	0.80	0.00	7.00
S14KSUPPORTM	3070	0.16	0.90	0.00	7.00
S15KSUPPORTM	2458	0.13	0.82	0.00	7.00

### Categorical Variable Codes

Value-----			R8KUSTDFE	R9KUSTDFE	R10KUSTDFE
.c:not in self-completion m			10739	10144	13702
.m:Missing			141	135	125
.n:does not apply			663	610	886
1.a lot			2791	2559	2916
2.some			2952	2642	3037
3.a little			950	869	1072
4.not at all			233	258	296
Value-----	R11KUSTDFE	R12KUSTDFE	R13KUSTDFE	R14KUSTDFE	R15KUSTDFE
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	139	146	144	387	127
.n:does not apply	727	839	761	662	522
1.a lot	2632	2629	2188	1828	1712
2.some	2682	2709	2260	2005	1641
3.a little	968	922	766	659	509
4.not at all	264	296	251	198	159
Value-----			S8KUSTDFE	S9KUSTDFE	S10KUSTDFE
.c:not in self-completion m			6538	6211	8173
.m:Missing			81	68	62
.n:does not apply			329	296	458
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.a lot			1793	1526	1774
2.some			2150	1807	2113
3.a little			697	583	750
4.not at all			140	149	178
Value-----	S11KUSTDFE	S12KUSTDFE	S13KUSTDFE	S14KUSTDFE	S15KUSTDFE
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	74	48	49	69	44
.n:does not apply	340	436	343	333	216
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.a lot	1585	1545	1270	1115	934
2.some	1833	1845	1501	1357	1076
3.a little	656	590	483	428	309
4.not at all	148	171	134	96	89
Value-----			R8KRELY	R9KRELY	R10KRELY
.c:not in self-completion m			10739	10144	13702
.m:Missing			134	129	109
.n:does not apply			664	612	891
1.a lot			4382	4127	4538
2.some			1560	1375	1646
3.a little			695	558	789
4.not at all			295	272	359

Value-----	R11KRELY	R12KRELY	R13KRELY	R14KRELY	R15KRELY
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	145	136	136	380	128
.n:does not apply	729	841	764	660	521
1.a lot	4069	4080	3321	2867	2645
2.some	1483	1507	1326	1112	850
3.a little	693	656	552	486	344
4.not at all	293	321	271	234	182

Value-----	S8KRELY	S9KRELY	S10KRELY
.c:not in self-completion m	6538	6211	8173
.m:Missing	78	63	55
.n:does not apply	330	297	463
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.a lot	2899	2557	2827
2.some	1168	952	1204
3.a little	518	381	569
4.not at all	197	179	217

Value-----	S11KRELY	S12KRELY	S13KRELY	S14KRELY	S15KRELY
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	75	45	45	67	49
.n:does not apply	341	437	344	332	216
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.a lot	2502	2457	1978	1784	1503
2.some	1046	1059	903	772	578
3.a little	485	453	361	331	223
4.not at all	187	184	149	112	99

Value-----	R8KOPENUP	R9KOPENUP	R10KOPENUP
.c:not in self-completion m	10739	10144	13702
.m:Missing	139	140	120
.n:does not apply	665	614	891
1.a lot	2832	2718	2942
2.some	2548	2204	2643
3.a little	1141	954	1251
4.not at all	405	443	485

Value-----	R11KOPENUP	R12KOPENUP	R13KOPENUP	R14KOPENUP	R15KOPENUP
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	147	140	144	391	131
.n:does not apply	731	841	763	660	521
1.a lot	2800	2774	2375	1914	1771
2.some	2212	2305	1832	1615	1393
3.a little	1068	1058	877	813	607
4.not at all	454	423	379	346	247

Value-----	S8KOPENUP	S9KOPENUP	S10KOPENUP
.c:not in self-completion m	6538	6211	8173
.m:Missing	83	73	65
.n:does not apply	331	299	463
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.a lot	1801	1592	1758
2.some	1862	1540	1816
3.a little	839	640	909
4.not at all	274	285	324

Value-----	S11KOPENUP	S12KOPENUP	S13KOPENUP	S14KOPENUP	S15KOPENUP
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	76	51	52	70	49
.n:does not apply	342	437	345	331	216
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.a lot	1668	1621	1369	1160	977
2.some	1503	1533	1206	1072	885
3.a little	775	716	577	573	397
4.not at all	272	277	231	192	144

Value-----	R8KDEMAND	R9KDEMAND	R10KDEMAND
.c:not in self-completion m	10739	10144	13702
.m:Missing	150	148	119
.n:does not apply	666	616	892
1.not at all	3304	3386	3626

2.a little			2216	1779	2188
3.some			1057	881	1100
4.a lot			337	263	407
Value-----	R11KDEMAND	R12KDEMAND	R13KDEMAND	R14KDEMAND	R15KDEMAND
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	145	142	148	384	129
.n:does not apply	730	843	766	660	521
1.not at all	3319	3533	2783	2554	2345
2.a little	1936	1765	1597	1283	1048
3.some	949	961	822	668	484
4.a lot	333	297	254	190	143
Value-----			S8KDEMAND	S9KDEMAND	S10KDEMAND
.c:not in self-completion m			6538	6211	8173
.m:Missing			87	75	58
.n:does not apply			332	298	463
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.not at all			2118	2095	2298
2.a little			1610	1217	1474
3.some			803	590	776
4.a lot			240	154	266
Value-----	S11KDEMAND	S12KDEMAND	S13KDEMAND	S14KDEMAND	S15KDEMAND
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	78	47	50	73	49
.n:does not apply	342	439	345	330	216
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2057	2163	1670	1564	1370
2.a little	1289	1170	1014	864	633
3.some	667	642	543	446	319
4.a lot	203	174	158	121	81
Value-----			R8KCRITZE	R9KCRITZE	R10KCRITZE
.c:not in self-completion m			10739	10144	13702
.m:Missing			172	179	145
.n:does not apply			667	617	891
1.not at all			3348	3250	3636
2.a little			2547	2094	2559
3.some			818	722	867
4.a lot			178	211	234
Value-----	R11KCRITZE	R12KCRITZE	R13KCRITZE	R14KCRITZE	R15KCRITZE
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	176	146	151	401	136
.n:does not apply	731	841	764	660	521
1.not at all	3303	3387	2822	2441	2196
2.a little	2227	2189	1798	1571	1281
3.some	757	751	642	516	418
4.a lot	218	227	193	150	118
Value-----			S8KCRITZE	S9KCRITZE	S10KCRITZE
.c:not in self-completion m			6538	6211	8173
.m:Missing			104	91	77
.n:does not apply			331	298	463
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.not at all			2320	2161	2488
2.a little			1788	1342	1663
3.some			546	444	522
4.a lot			101	93	122
Value-----	S11KCRITZE	S12KCRITZE	S13KCRITZE	S14KCRITZE	S15KCRITZE
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	95	53	51	77	48
.n:does not apply	343	437	345	331	216
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2185	2191	1808	1612	1342
2.a little	1459	1399	1118	985	766
3.some	452	452	358	319	247
4.a lot	102	103	100	74	49
Value-----			R8KLETDOW	R9KLETDOW	R10KLETDOW



.c:not in self-completion m			10739	10144	13702
.m:Missing			160	149	130
.n:does not apply			665	616	890
1.not at all			3634	3406	3789
2.a little			2134	1818	2248
3.some			872	841	976
4.a lot			265	243	299

Value-----	R11KLETDOW	R12KLETDOW	R13KLETDOW	R14KLETDOW	R15KLETDOW
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	163	117	116	115	72
.n:does not apply	730	804	728	659	511
1.not at all	3497	3441	2719	2584	2331
2.a little	1857	1946	1688	1495	1118
3.some	906	985	870	678	504
4.a lot	259	248	249	208	134

Value-----	S8KLETDOW	S9KLETDOW	S10KLETDOW
.c:not in self-completion m	6538	6211	8173
.m:Missing	94	72	72
.n:does not apply	331	298	462
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.not at all	2413	2150	2452
2.a little	1575	1243	1529
3.some	616	532	644
4.a lot	161	134	176

Value-----	S11KLETDOW	S12KLETDOW	S13KLETDOW	S14KLETDOW	S15KLETDOW
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	90	58	54	38	25
.n:does not apply	343	414	321	329	211
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2244	2148	1694	1562	1388
2.a little	1241	1251	1028	943	666
3.some	584	647	553	427	313
4.a lot	134	117	130	99	65

Value-----	R8KGETNEV	R9KGETNEV	R10KGETNEV
.c:not in self-completion m	10739	10144	13702
.m:Missing	156	146	118
.n:does not apply	665	617	891
1.not at all	2926	2829	3136
2.a little	2830	2434	2922
3.some	901	808	962
4.a lot	252	239	303

Value-----	R11KGETNEV	R12KGETNEV	R13KGETNEV	R14KGETNEV	R15KGETNEV
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	147	150	140	140	90
.n:does not apply	729	806	729	660	512
1.not at all	2867	2942	2361	2232	1916
2.a little	2557	2593	2170	1914	1558
3.some	830	836	757	629	492
4.a lot	282	214	213	164	102

Value-----	S8KGETNEV	S9KGETNEV	S10KGETNEV
.c:not in self-completion m	6538	6211	8173
.m:Missing	91	74	63
.n:does not apply	332	298	463
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.not at all	1926	1763	1973
2.a little	2058	1671	2058
3.some	638	506	616
4.a lot	145	117	162

Value-----	S11KGETNEV	S12KGETNEV	S13KGETNEV	S14KGETNEV	S15KGETNEV
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	80	82	63	57	34
.n:does not apply	343	415	321	328	211
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	1806	1818	1456	1358	1137
2.a little	1733	1705	1384	1198	954

3.some		526	512	451	387	279
4.a lot		148	103	105	70	53

## How Constructed:

RwKUSTDFE indicates how much the respondent feels their children really understand the way they feel about things.

RwKRELY indicates how much the respondent feels they can rely on their children if they have a serious problem.

RwKOPENUP indicates how much the respondent feels they can open up to their children when they need to talk about their worries.

RwKDEMAND indicates how often the respondent feels their children make too many demands on them.

RwKCRITZE indicates how much the respondent feels their children criticize them.

RwKLETDOW indicates how much the respondent feels their children let them down when they are counting on them.

RwKGETNEV indicates how much the respondent feels their children get on their nerves.

These variables are coded so that a higher value indicates a higher amount of stress for the respondent. RwKUSTDFE, RwKRELY, and RwKOPENUP are coded as follows: 1.a lot, 2.some, 3.a little and 4.not at all. RwKDEMAND, RwKCRITZE, RwKLETDOW, and RwKGETNEV are coded as follows: 1.not at all, 2.a little, 3.some, 4.a lot. Special missing .n is assigned if the respondent indicates they did not have any children. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwKUSTDFE, SwKRELY, SwKOPENUP, SwKDEMAND, SwKCRITZE, SwKLETDOW and SwKGETNEV indicate how the respondent's current wave's spouse feels about statements regarding their children, and their values are taken from RwKUSTDFE, RwKRELY, RwKOPENUP, RwKDEMAND, RwKCRITZE, RwKLETDOW and RwKGETNEV. In addition to the special missing codes used in RwKUSTDFE, RwKRELY, RwKOPENUP, RwKDEMAND, RwKCRITZE, RwKLETDOW and RwKGETNEV, SwKUSTDFE, SwKRELY, SwKOPENUP, SwKDEMAND, SwKCRITZE, SwKLETDOW and SwKGETNEV employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwKSUPPORT indicates the mean of the seven different children support questions (RwKUSTDFE, RwKRELY, RwKOPENUP, RwKDEMAND, RwKCRITZE, RwKLETDOW and RwKGETNEV) and can be used as a summary score. Since RwKSUPPORT indicates how much the respondent feels a lack of support by their children, higher scores indicate less support that the respondent feels from their children. RwKSUPPORT is calculated for any respondent with at least one non-missing value for its seven components. RwKSUPPORTM counts the number of components with missing values in RwKSUPPORT, which could be between no missing components (0) and seven missing components (7). Special missing .n is assigned to RwKSUPPORT and RwKSUPPORTM if the respondent indicates they did not have any children. Special missing .c is assigned to RwKSUPPORT and RwKSUPPORTM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RwKSUPPORT if the respondent is eligible for and completed the leave behind questionnaire but their responses for all seven questions are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwKSUPPORT and SwKSUPPORTM indicate the mean summary score of seven different children support questions and the count of any missing components for the respondent's current wave's spouse, and their values are taken from RwKSUPPORT and RwKSUPPORTM. In addition to the special missing codes used in RwKSUPPORT and SwKSUPPORTM, SwKSUPPORT and SwKSUPPORTM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The questions related to children's support were added in Wave 8.

### HRS Variables Used:

#### Wave 8:

KLB007	q07. have any children
KLB008A	q08a. children understand way you feel
KLB008B	q08b. rely on children if serious prob
KLB008C	q08c. open up to children about worries
KLB008D	q08d. too many demands on you - children
KLB008E	q08e. amt children criticize you
KLB008F	q08f. children let you down
KLB008G	q08g. children get on your nerves
KLBCOMP	mode completed leave behind qnaire

#### Wave 9:

LLB007	q07. have any children
LLB008A	q08a. children understand way you feel
LLB008B	q08b. rely on children if serious prob
LLB008C	q08c. talk about worries - children
LLB008D	q08d. too many demands on you - children
LLB008E	q08e. amt children criticize you
LLB008F	q08f. children let you down
LLB008G	q08g. children get on your nerves
LLBCOMP	mode completed leave behind qnaire

#### Wave 10:

MLB007	q07. have any children
MLB008A	q08a. children understand way you feel
MLB008B	q08b. rely on children if serious prob
MLB008C	q08c. talk about worries - children
MLB008D	q08d. too many demands on you - children
MLB008E	q08e. amt children criticize you
MLB008F	q08f. children let you down
MLB008G	q08g. children get on your nerves
MLBCOMP	mode completed leave behind qnaire

#### Wave 11:

NLB007	q07. have any children
NLB008A	q08a. children understand way you feel
NLB008B	q08b. rely on children if serious prob
NLB008C	q08c. talk about worries - children
NLB008D	q08d. too many demands on you - children
NLB008E	q08e. amt children criticize you
NLB008F	q08f. children let you down
NLB008G	q08g. children get on your nerves
NLBCOMP	mode completed leave behind qnaire

#### Wave 12:

OLB006	q06. have any children
OLB007A	q07a. children understand way you feel
OLB007B	q07b. rely on children if serious prob
OLB007C	q07c. talk about worries - children
OLB007D	q07d. too many demands on you - children
OLB007E	q07e. amt children criticize you
OLB007F	q07f. children let you down
OLB007G	q07g. children get on your nerves
OLBCOMP	mode completed leave behind qnaire

#### Wave 13:

PLB006	q06. have any children
PLB007A	q07a. children understand way you feel
PLB007B	q07b. rely on children if serious prob
PLB007C	q07c. talk about worries - children
PLB007D	q07d. too many demands on you - children

PLB007E q07e. amt children criticize you  
PLB007F q07f. children let you down  
PLB007G q07g. children get on your nerves  
PLBCOMP mode completed leave behind qnaire

## Wave 14:

QLB006 q06. have any children  
QLB007A q07a. children understand  
QLB007B q07b. rely on children if problem  
QLB007C q07c. talk about worries  
QLB007D q07d. too many demands - children  
QLB007E q07e. children criticize you  
QLB007F q07f. children let you down  
QLB007G q07g. children get on your nerves  
QLBCOMP mode completed leave behind qnaire

## Wave 15:

RLB006 q06. have any children  
RLB007A q07a. children understand  
RLB007B q07b. rely on children if problem  
RLB007C q07c. talk about worries  
RLB007D q07d. too many demands - children  
RLB007E q07e. children criticize you  
RLB007F q07f. children let you down  
RLB007G q07g. children get on your nerves  
RLBCOMP mode completed leave behind qnaire

<b>Social Support: Other Family Members</b>
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Wave	Variable	Label	Type
08	R8OUSTDFE	r8oustdfe:w8 r thinks other family members understand the wa	Categ
09	R9OUSTDFE	r9oustdfe:w9 r thinks other family members understand the wa	Categ
10	R10OUSTDFE	r10oustdfe:w10 r thinks other family members understand the	Categ
11	R11OUSTDFE	r11oustdfe:w11 r thinks other family members understand the	Categ
12	R12OUSTDFE	r12oustdfe:w12 r thinks other family members understand the	Categ
13	R13OUSTDFE	r13oustdfe:w13 r thinks other family members understand the	Categ
14	R14OUSTDFE	r14oustdfe:w14 r thinks other family members understand the	Categ
15	R15OUSTDFE	r15oustdfe:w15 r thinks other family members understand the	Categ
08	S8OUSTDFE	s8oustdfe:w8 s thinks other family members understand the wa	Categ
09	S9OUSTDFE	s9oustdfe:w9 s thinks other family members understand the wa	Categ
10	S10OUSTDFE	s10oustdfe:w10 s thinks other family members understand the	Categ
11	S11OUSTDFE	s11oustdfe:w11 s thinks other family members understand the	Categ
12	S12OUSTDFE	s12oustdfe:w12 s thinks other family members understand the	Categ
13	S13OUSTDFE	s13oustdfe:w13 s thinks other family members understand the	Categ
14	S14OUSTDFE	s14oustdfe:w14 s thinks other family members understand the	Categ
15	S15OUSTDFE	s15oustdfe:w15 s thinks other family members understand the	Categ
08	R8ORELY	r8orely:w8 r can rely on other family members for a serious	Categ
09	R9ORELY	r9orely:w9 r can rely on other family members for a serious	Categ
10	R10ORELY	r10orely:w10 r can rely on other family members for a seriou	Categ
11	R11ORELY	r11orely:w11 r can rely on other family members for a seriou	Categ
12	R12ORELY	r12orely:w12 r can rely on other family members for a seriou	Categ
13	R13ORELY	r13orely:w13 r can rely on other family members for a seriou	Categ
14	R14ORELY	r14orely:w14 r can rely on other family members for a seriou	Categ
15	R15ORELY	r15orely:w15 r can rely on other family members for a seriou	Categ
08	S8ORELY	s8orely:w8 s can rely on other family members for a serious	Categ
09	S9ORELY	s9orely:w9 s can rely on other family members for a serious	Categ
10	S10ORELY	s10orely:w10 s can rely on other family members for a seriou	Categ
11	S11ORELY	s11orely:w11 s can rely on other family members for a seriou	Categ
12	S12ORELY	s12orely:w12 s can rely on other family members for a seriou	Categ
13	S13ORELY	s13orely:w13 s can rely on other family members for a seriou	Categ
14	S14ORELY	s14orely:w14 s can rely on other family members for a seriou	Categ
15	S15ORELY	s15orely:w15 s can rely on other family members for a seriou	Categ
08	R8OOPENUP	r8oopenup:w8 r can open up their worries to other family mem	Categ
09	R9OOPENUP	r9oopenup:w9 r can open up their worries to other family mem	Categ
10	R10OOPENUP	r10oopenup:w10 r can open up their worries to other family m	Categ
11	R11OOPENUP	r11oopenup:w11 r can open up their worries to other family m	Categ
12	R12OOPENUP	r12oopenup:w12 r can open up their worries to other family m	Categ
13	R13OOPENUP	r13oopenup:w13 r can open up their worries to other family m	Categ
14	R14OOPENUP	r14oopenup:w14 r can open up their worries to other family m	Categ
15	R15OOPENUP	r15oopenup:w15 r can open up their worries to other family m	Categ
08	S8OOPENUP	s8oopenup:w8 s can open up their worries to other family mem	Categ
09	S9OOPENUP	s9oopenup:w9 s can open up their worries to other family mem	Categ
10	S10OOPENUP	s10oopenup:w10 s can open up their worries to other family m	Categ
11	S11OOPENUP	s11oopenup:w11 s can open up their worries to other family m	Categ
12	S12OOPENUP	s12oopenup:w12 s can open up their worries to other family m	Categ
13	S13OOPENUP	s13oopenup:w13 s can open up their worries to other family m	Categ
14	S14OOPENUP	s14oopenup:w14 s can open up their worries to other family m	Categ
15	S15OOPENUP	s15oopenup:w15 s can open up their worries to other family m	Categ
08	R8ODEMAND	r8odemand:w8 other family members put too many demands on r	Categ
09	R9ODEMAND	r9odemand:w9 other family members put too many demands on r	Categ
10	R10ODEMAND	r10odemand:w10 other family members put too many demands on	Categ

11	R11ODEMAND	r11odemand:w11 other family members put too many demands on	Categ
12	R12ODEMAND	r12odemand:w12 other family members put too many demands on	Categ
13	R13ODEMAND	r13odemand:w13 other family members put too many demands on	Categ
14	R14ODEMAND	r14odemand:w14 other family members put too many demands on	Categ
15	R15ODEMAND	r15odemand:w15 other family members put too many demands on	Categ
08	S8ODEMAND	s8odemand:w8 other family members put too many demands on s	Categ
09	S9ODEMAND	s9odemand:w9 other family members put too many demands on s	Categ
10	S10ODEMAND	s10odemand:w10 other family members put too many demands on	Categ
11	S11ODEMAND	s11odemand:w11 other family members put too many demands on	Categ
12	S12ODEMAND	s12odemand:w12 other family members put too many demands on	Categ
13	S13ODEMAND	s13odemand:w13 other family members put too many demands on	Categ
14	S14ODEMAND	s14odemand:w14 other family members put too many demands on	Categ
15	S15ODEMAND	s15odemand:w15 other family members put too many demands on	Categ
08	R8OCRITZE	r8ocritze:w8 how much other family members criticize r	Categ
09	R9OCRITZE	r9ocritze:w9 how much other family members criticize r	Categ
10	R10OCRITZE	r10ocritze:w10 how much other family members criticize r	Categ
11	R11OCRITZE	r11ocritze:w11 how much other family members criticize r	Categ
12	R12OCRITZE	r12ocritze:w12 how much other family members criticize r	Categ
13	R13OCRITZE	r13ocritze:w13 how much other family members criticize r	Categ
14	R14OCRITZE	r14ocritze:w14 how much other family members criticize r	Categ
15	R15OCRITZE	r15ocritze:w15 how much other family members criticize r	Categ
08	S8OCRITZE	s8ocritze:w8 how much other family members criticize s	Categ
09	S9OCRITZE	s9ocritze:w9 how much other family members criticize s	Categ
10	S10OCRITZE	s10ocritze:w10 how much other family members criticize s	Categ
11	S11OCRITZE	s11ocritze:w11 how much other family members criticize s	Categ
12	S12OCRITZE	s12ocritze:w12 how much other family members criticize s	Categ
13	S13OCRITZE	s13ocritze:w13 how much other family members criticize s	Categ
14	S14OCRITZE	s14ocritze:w14 how much other family members criticize s	Categ
15	S15OCRITZE	s15ocritze:w15 how much other family members criticize s	Categ
08	R8OLETDOW	r8oletdow:w8 other family members let r down when counting o	Categ
09	R9OLETDOW	r9oletdow:w9 other family members let r down when counting o	Categ
10	R10OLETDOW	r10oletdow:w10 other family members let r down when counting	Categ
11	R11OLETDOW	r11oletdow:w11 other family members let r down when counting	Categ
12	R12OLETDOW	r12oletdow:w12 other family members let r down when counting	Categ
13	R13OLETDOW	r13oletdow:w13 other family members let r down when counting	Categ
14	R14OLETDOW	r14oletdow:w14 other family members let r down when counting	Categ
15	R15OLETDOW	r15oletdow:w15 other family members let r down when counting	Categ
08	S8OLETDOW	s8oletdow:w8 other family members let s down when counting o	Categ
09	S9OLETDOW	s9oletdow:w9 other family members let s down when counting o	Categ
10	S10OLETDOW	s10oletdow:w10 other family members let s down when counting	Categ
11	S11OLETDOW	s11oletdow:w11 other family members let s down when counting	Categ
12	S12OLETDOW	s12oletdow:w12 other family members let s down when counting	Categ
13	S13OLETDOW	s13oletdow:w13 other family members let s down when counting	Categ
14	S14OLETDOW	s14oletdow:w14 other family members let s down when counting	Categ
15	S15OLETDOW	s15oletdow:w15 other family members let s down when counting	Categ
08	R8OGETNEV	r8ogetnev:w8 other family members get on r's nerves	Categ
09	R9OGETNEV	r9ogetnev:w9 other family members get on r's nerves	Categ
10	R10OGETNEV	r10ogetnev:w10 other family members get on r's nerves	Categ
11	R11OGETNEV	r11ogetnev:w11 other family members get on r's nerves	Categ
12	R12OGETNEV	r12ogetnev:w12 other family members get on r's nerves	Categ
13	R13OGETNEV	r13ogetnev:w13 other family members get on r's nerves	Categ
14	R14OGETNEV	r14ogetnev:w14 other family members get on r's nerves	Categ
15	R15OGETNEV	r15ogetnev:w15 other family members get on r's nerves	Categ
08	S8OGETNEV	s8ogetnev:w8 other family members get on s's nerves	Categ
09	S9OGETNEV	s9ogetnev:w9 other family members get on s's nerves	Categ
10	S10OGETNEV	s10ogetnev:w10 other family members get on s's nerves	Categ

11	S11OGETNEV	s11ogetnev:w11	other family members get on s's nerves	Categ
12	S12OGETNEV	s12ogetnev:w12	other family members get on s's nerves	Categ
13	S13OGETNEV	s13ogetnev:w13	other family members get on s's nerves	Categ
14	S14OGETNEV	s14ogetnev:w14	other family members get on s's nerves	Categ
15	S15OGETNEV	s15ogetnev:w15	other family members get on s's nerves	Categ
08	R8OSUPPORT	r8osupport:w8	r lack of other family members support summary	Cont
09	R9OSUPPORT	r9osupport:w9	r lack of other family members support summary	Cont
10	R10OSUPPORT	r10osupport:w10	r lack of other family members support summa	Cont
11	R11OSUPPORT	r11osupport:w11	r lack of other family members support summa	Cont
12	R12OSUPPORT	r12osupport:w12	r lack of other family members support summa	Cont
13	R13OSUPPORT	r13osupport:w13	r lack of other family members support summa	Cont
14	R14OSUPPORT	r14osupport:w14	r lack of other family members support summa	Cont
15	R15OSUPPORT	r15osupport:w15	r lack of other family members support summa	Cont
08	S8OSUPPORT	s8osupport:w8	s lack of other family members support summary	Cont
09	S9OSUPPORT	s9osupport:w9	s lack of other family members support summary	Cont
10	S10OSUPPORT	s10osupport:w10	s lack of other family members support summa	Cont
11	S11OSUPPORT	s11osupport:w11	s lack of other family members support summa	Cont
12	S12OSUPPORT	s12osupport:w12	s lack of other family members support summa	Cont
13	S13OSUPPORT	s13osupport:w13	s lack of other family members support summa	Cont
14	S14OSUPPORT	s14osupport:w14	s lack of other family members support summa	Cont
15	S15OSUPPORT	s15osupport:w15	s lack of other family members support summa	Cont
08	R8OSUPPORTM	r8osupportm:w8	missings in r lack of other family members su	Cont
09	R9OSUPPORTM	r9osupportm:w9	missings in r lack of other family members su	Cont
10	R10OSUPPORTM	r10osupportm:w10	missings in r lack of other family members	Cont
11	R11OSUPPORTM	r11osupportm:w11	missings in r lack of other family members	Cont
12	R12OSUPPORTM	r12osupportm:w12	missings in r lack of other family members	Cont
13	R13OSUPPORTM	r13osupportm:w13	missings in r lack of other family members	Cont
14	R14OSUPPORTM	r14osupportm:w14	missings in r lack of other family members	Cont
15	R15OSUPPORTM	r15osupportm:w15	missings in r lack of other family members	Cont
08	S8OSUPPORTM	s8osupportm:w8	missings in s lack of other family members su	Cont
09	S9OSUPPORTM	s9osupportm:w9	missings in s lack of other family members su	Cont
10	S10OSUPPORTM	s10osupportm:w10	missings in s lack of other family members	Cont
11	S11OSUPPORTM	s11osupportm:w11	missings in s lack of other family members	Cont
12	S12OSUPPORTM	s12osupportm:w12	missings in s lack of other family members	Cont
13	S13OSUPPORTM	s13osupportm:w13	missings in s lack of other family members	Cont
14	S14OSUPPORTM	s14osupportm:w14	missings in s lack of other family members	Cont
15	S15OSUPPORTM	s15osupportm:w15	missings in s lack of other family members	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8OUSTDFE	7232	2.16	0.90	1.00	4.00
R9OUSTDFE	6530	2.14	0.91	1.00	4.00
R10OUSTDFE	7793	2.15	0.91	1.00	4.00
R11OUSTDFE	6859	2.14	0.91	1.00	4.00
R12OUSTDFE	6946	2.16	0.92	1.00	4.00
R13OUSTDFE	5869	2.18	0.92	1.00	4.00
R14OUSTDFE	5329	2.14	0.92	1.00	4.00
R15OUSTDFE	4350	2.10	0.91	1.00	4.00
S8OUSTDFE	4911	2.21	0.89	1.00	4.00
S9OUSTDFE	4147	2.20	0.90	1.00	4.00
S10OUSTDFE	5018	2.20	0.90	1.00	4.00
S11OUSTDFE	4335	2.18	0.90	1.00	4.00
S12OUSTDFE	4316	2.21	0.90	1.00	4.00
S13OUSTDFE	3518	2.25	0.90	1.00	4.00
S14OUSTDFE	3179	2.18	0.90	1.00	4.00
S15OUSTDFE	2519	2.14	0.90	1.00	4.00

R8ORELY	7228	1.99	1.02	1.00	4.00
R9ORELY	6525	1.99	1.04	1.00	4.00
R10ORELY	7808	1.99	1.03	1.00	4.00
R11ORELY	6855	1.97	1.02	1.00	4.00
R12ORELY	6959	2.01	1.02	1.00	4.00
R13ORELY	5866	2.00	1.03	1.00	4.00
R14ORELY	5323	1.97	1.01	1.00	4.00
R15ORELY	4344	1.92	1.02	1.00	4.00
S8ORELY	4910	2.03	1.01	1.00	4.00
S9ORELY	4148	2.04	1.03	1.00	4.00
S10ORELY	5030	2.03	1.03	1.00	4.00
S11ORELY	4338	2.00	1.01	1.00	4.00
S12ORELY	4331	2.05	1.02	1.00	4.00
S13ORELY	3515	2.04	1.02	1.00	4.00
S14ORELY	3177	2.01	1.00	1.00	4.00
S15ORELY	2517	1.98	1.02	1.00	4.00
R8OOPENUP	7216	2.21	1.01	1.00	4.00
R9OOPENUP	6517	2.19	1.03	1.00	4.00
R10OOPENUP	7803	2.17	1.02	1.00	4.00
R11OOPENUP	6845	2.15	1.02	1.00	4.00
R12OOPENUP	6951	2.19	1.02	1.00	4.00
R13OOPENUP	5869	2.17	1.02	1.00	4.00
R14OOPENUP	5313	2.17	1.01	1.00	4.00
R15OOPENUP	4346	2.12	1.01	1.00	4.00
S8OOPENUP	4909	2.25	0.99	1.00	4.00
S9OOPENUP	4143	2.26	1.01	1.00	4.00
S10OOPENUP	5026	2.22	1.01	1.00	4.00
S11OOPENUP	4326	2.20	1.01	1.00	4.00
S12OOPENUP	4317	2.24	1.01	1.00	4.00
S13OOPENUP	3517	2.22	1.01	1.00	4.00
S14OOPENUP	3175	2.22	1.00	1.00	4.00
S15OOPENUP	2513	2.19	1.00	1.00	4.00
R8ODEMAND	7204	1.47	0.74	1.00	4.00
R9ODEMAND	6498	1.43	0.74	1.00	4.00
R10ODEMAND	7776	1.47	0.76	1.00	4.00
R11ODEMAND	6846	1.46	0.76	1.00	4.00
R12ODEMAND	6955	1.43	0.74	1.00	4.00
R13ODEMAND	5862	1.47	0.78	1.00	4.00
R14ODEMAND	5308	1.46	0.76	1.00	4.00
R15ODEMAND	4345	1.40	0.72	1.00	4.00
S8ODEMAND	4898	1.47	0.74	1.00	4.00
S9ODEMAND	4126	1.43	0.72	1.00	4.00
S10ODEMAND	5019	1.45	0.73	1.00	4.00
S11ODEMAND	4332	1.46	0.75	1.00	4.00
S12ODEMAND	4321	1.42	0.72	1.00	4.00
S13ODEMAND	3512	1.45	0.75	1.00	4.00
S14ODEMAND	3166	1.45	0.74	1.00	4.00
S15ODEMAND	2516	1.40	0.72	1.00	4.00
R8OCRITZE	7150	1.58	0.78	1.00	4.00
R9OCRITZE	6446	1.56	0.79	1.00	4.00
R10OCRITZE	7717	1.59	0.80	1.00	4.00
R11OCRITZE	6806	1.59	0.80	1.00	4.00
R12OCRITZE	6914	1.55	0.79	1.00	4.00
R13OCRITZE	5839	1.61	0.82	1.00	4.00
R14OCRITZE	5292	1.59	0.81	1.00	4.00
R15OCRITZE	4330	1.55	0.78	1.00	4.00



S8OCRITZE	4865	1.56	0.76	1.00	4.00
S9OCRITZE	4102	1.53	0.76	1.00	4.00
S10OCRITZE	4985	1.55	0.78	1.00	4.00
S11OCRITZE	4304	1.55	0.76	1.00	4.00
S12OCRITZE	4305	1.51	0.75	1.00	4.00
S13OCRITZE	3504	1.56	0.78	1.00	4.00
S14OCRITZE	3159	1.55	0.79	1.00	4.00
S15OCRITZE	2503	1.52	0.76	1.00	4.00
R8OLETDOW	7159	1.60	0.84	1.00	4.00
R9OLETDOW	6479	1.58	0.85	1.00	4.00
R10OLETDOW	7733	1.60	0.85	1.00	4.00
R11OLETDOW	6802	1.60	0.85	1.00	4.00
R12OLETDOW	6919	1.57	0.82	1.00	4.00
R13OLETDOW	5838	1.64	0.88	1.00	4.00
R14OLETDOW	5296	1.61	0.86	1.00	4.00
R15OLETDOW	4330	1.57	0.85	1.00	4.00
S8OLETDOW	4873	1.59	0.82	1.00	4.00
S9OLETDOW	4113	1.59	0.83	1.00	4.00
S10OLETDOW	4989	1.59	0.83	1.00	4.00
S11OLETDOW	4303	1.59	0.83	1.00	4.00
S12OLETDOW	4303	1.56	0.81	1.00	4.00
S13OLETDOW	3500	1.62	0.87	1.00	4.00
S14OLETDOW	3155	1.58	0.83	1.00	4.00
S15OLETDOW	2505	1.55	0.83	1.00	4.00
R8OGETNEV	7194	1.74	0.82	1.00	4.00
R9OGETNEV	6498	1.72	0.84	1.00	4.00
R10OGETNEV	7764	1.76	0.86	1.00	4.00
R11OGETNEV	6844	1.75	0.85	1.00	4.00
R12OGETNEV	6957	1.71	0.82	1.00	4.00
R13OGETNEV	5856	1.78	0.87	1.00	4.00
R14OGETNEV	5320	1.76	0.85	1.00	4.00
R15OGETNEV	4343	1.72	0.83	1.00	4.00
S8OGETNEV	4884	1.75	0.81	1.00	4.00
S9OGETNEV	4125	1.73	0.82	1.00	4.00
S10OGETNEV	5002	1.75	0.84	1.00	4.00
S11OGETNEV	4329	1.74	0.83	1.00	4.00
S12OGETNEV	4323	1.71	0.80	1.00	4.00
S13OGETNEV	3508	1.76	0.84	1.00	4.00
S14OGETNEV	3171	1.75	0.83	1.00	4.00
S15OGETNEV	2512	1.73	0.83	1.00	4.00
R8OSUPPORT	7271	1.82	0.57	1.00	4.00
R9OSUPPORT	6564	1.81	0.58	1.00	4.00
R10OSUPPORT	7827	1.82	0.58	1.00	4.00
R11OSUPPORT	6898	1.81	0.59	1.00	4.00
R12OSUPPORT	6992	1.80	0.58	1.00	4.00
R13OSUPPORT	5897	1.84	0.61	1.00	4.00
R14OSUPPORT	5348	1.82	0.59	1.00	4.00
R15OSUPPORT	4371	1.77	0.58	1.00	4.00
S8OSUPPORT	4932	1.84	0.55	1.00	4.00
S9OSUPPORT	4163	1.83	0.56	1.00	4.00
S10OSUPPORT	5038	1.83	0.57	1.00	4.00
S11OSUPPORT	4356	1.82	0.58	1.00	4.00
S12OSUPPORT	4343	1.82	0.55	1.00	4.00
S13OSUPPORT	3529	1.84	0.59	1.00	4.00
S14OSUPPORT	3187	1.82	0.58	1.00	4.00
S15OSUPPORT	2528	1.79	0.57	1.00	4.00

R8OSUPPORTM	7413	0.20	1.04	0.00	7.00
R9OSUPPORTM	6689	0.20	1.05	0.00	7.00
R10OSUPPORTM	7953	0.16	0.94	0.00	7.00
R11OSUPPORTM	6994	0.16	0.91	0.00	7.00
R12OSUPPORTM	7089	0.14	0.87	0.00	7.00
R13OSUPPORTM	5982	0.15	0.89	0.00	7.00
R14OSUPPORTM	5423	0.15	0.88	0.00	7.00
R15OSUPPORTM	4425	0.13	0.83	0.00	7.00
S8OSUPPORTM	4993	0.14	0.85	0.00	7.00
S9OSUPPORTM	4215	0.14	0.88	0.00	7.00
S10OSUPPORTM	5102	0.13	0.83	0.00	7.00
S11OSUPPORTM	4400	0.12	0.79	0.00	7.00
S12OSUPPORTM	4387	0.11	0.76	0.00	7.00
S13OSUPPORTM	3565	0.11	0.75	0.00	7.00
S14OSUPPORTM	3223	0.12	0.81	0.00	7.00
S15OSUPPORTM	2546	0.09	0.67	0.00	7.00

### Categorical Variable Codes

Value-----					
.c:not in self-completion m		R8OUSTDFE	R9OUSTDFE	R10OUSTDFE	
.m:Missing		10739	10144	13702	
.n:does not apply		181	157	159	
1.a lot		317	386	380	
2.some		1847	1753	2047	
3.a little		2997	2700	3209	
4.not at all		1771	1492	1864	
		617	585	673	
Value-----					
.c:not in self-completion m	R11OUSTDFE	R12OUSTDFE	R13OUSTDFE	R14OUSTDFE	R15OUSTDFE
.m:Missing	13142	11206	14542	11407	11053
.n:does not apply	129	138	111	94	73
1.a lot	424	457	390	316	247
2.some	1833	1836	1486	1454	1257
3.a little	2846	2789	2379	2155	1778
4.not at all	1578	1699	1437	1238	957
	602	622	567	482	358
Value-----					
.c:not in self-completion m			S8OUSTDFE	S9OUSTDFE	S10OUSTDFE
.m:Missing			6538	6211	8173
.n:does not apply			82	68	83
.u:not coupled			197	214	234
.v:SP NR			6424	6212	7804
1.a lot			317	365	722
2.some			1108	966	1165
3.a little			2086	1759	2137
4.not at all			1304	1042	1266
			413	380	450
Value-----					
.c:not in self-completion m	S11OUSTDFE	S12OUSTDFE	S13OUSTDFE	S14OUSTDFE	S15OUSTDFE
.m:Missing	7840	6377	7998	5960	5798
.n:does not apply	62	67	47	44	26
.u:not coupled	239	252	215	175	123
.v:SP NR	7483	7125	8025	6684	6202
1.a lot	595	610	1109	1104	1055
2.some	1052	992	756	779	642
3.a little	1849	1799	1487	1334	1084
4.not at all	1046	1139	931	782	581
	388	386	344	284	212
Value-----					
.c:not in self-completion m			R8ORELY	R9ORELY	R10ORELY
.m:Missing			10739	10144	13702
.n:does not apply			183	156	145
1.a lot			319	392	379
2.some			3008	2811	3287
3.a little			2082	1767	2211
4.not at all			1335	1173	1428
			803	774	882

Value-----	R11ORELY	R12ORELY	R13ORELY	R14ORELY	R15ORELY
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	134	127	111	99	75
.n:does not apply	423	455	393	317	251
1.a lot	2927	2806	2453	2253	1963
2.some	1933	2087	1660	1550	1214
3.a little	1270	1268	1078	963	708
4.not at all	725	798	675	557	459

Value-----	S8ORELY	S9ORELY	S10ORELY
.c:not in self-completion m	6538	6211	8173
.m:Missing	82	63	72
.n:does not apply	198	218	233
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.a lot	1911	1626	1991
2.some	1484	1215	1485
3.a little	995	816	947
4.not at all	520	491	607

Value-----	S11ORELY	S12ORELY	S13ORELY	S14ORELY	S15ORELY
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	59	54	49	46	27
.n:does not apply	239	250	216	175	124
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.a lot	1769	1621	1352	1236	1051
2.some	1251	1362	1071	1002	753
3.a little	858	842	687	597	433
4.not at all	460	506	405	342	280

Value-----	R8OOPENUP	R9OOPENUP	R10OOPENUP
.c:not in self-completion m	10739	10144	13702
.m:Missing	194	160	148
.n:does not apply	320	396	381
1.a lot	2127	2023	2462
2.some	2413	2112	2549
3.a little	1741	1477	1757
4.not at all	935	905	1035

Value-----	R11OOPENUP	R12OOPENUP	R13OOPENUP	R14OOPENUP	R15OOPENUP
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	140	134	110	107	75
.n:does not apply	427	456	391	319	249
1.a lot	2242	2152	1872	1676	1466
2.some	2213	2263	1897	1746	1391
3.a little	1500	1611	1336	1229	977
4.not at all	890	925	764	662	512

Value-----	S8OOPENUP	S9OOPENUP	S10OOPENUP
.c:not in self-completion m	6538	6211	8173
.m:Missing	84	65	74
.n:does not apply	197	221	235
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.a lot	1317	1118	1453
2.some	1670	1426	1676
3.a little	1279	1005	1213
4.not at all	643	594	684

Value-----	S11OOPENUP	S12OOPENUP	S13OOPENUP	S14OOPENUP	S15OOPENUP
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	66	68	47	47	30
.n:does not apply	244	250	216	176	125
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.a lot	1316	1221	1029	909	761
2.some	1410	1432	1176	1076	822
3.a little	1038	1087	838	773	621
4.not at all	562	577	474	417	309

Value-----	R8ODEMAND	R9ODEMAND	R10ODEMAND
.c:not in self-completion m	10739	10144	13702
.m:Missing	205	179	173
.n:does not apply	321	396	383
1.not at all	4753	4530	5204

2.a little			1691	1293	1715
3.some			593	522	658
4.a lot			167	153	199
Value-----	R11ODEMAND	R12ODEMAND	R13ODEMAND	R14ODEMAND	R15ODEMAND
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	135	130	113	112	78
.n:does not apply	431	456	395	319	247
1.not at all	4630	4811	3979	3600	3112
2.a little	1436	1428	1203	1129	826
3.some	599	560	498	436	302
4.a lot	181	156	182	143	105
Value-----			S8ODEMAND	S9ODEMAND	S10ODEMAND
.c:not in self-completion m			6538	6211	8173
.m:Missing			94	82	80
.n:does not apply			198	221	236
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.not at all			3207	2852	3365
2.a little			1169	862	1131
3.some			421	331	419
4.a lot			101	81	104
Value-----	S11ODEMAND	S12ODEMAND	S13ODEMAND	S14ODEMAND	S15ODEMAND
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	62	63	50	55	29
.n:does not apply	242	251	218	177	123
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2914	3004	2396	2147	1804
2.a little	939	901	731	697	476
3.some	379	333	295	244	179
4.a lot	100	83	90	78	57
Value-----			R8OCRITZE	R9OCRITZE	R10OCRITZE
.c:not in self-completion m			10739	10144	13702
.m:Missing			257	228	231
.n:does not apply			323	399	384
1.not at all			4089	3854	4469
2.a little			2161	1786	2241
3.some			692	588	734
4.a lot			208	218	273
Value-----	R11OCRITZE	R12OCRITZE	R13OCRITZE	R14OCRITZE	R15OCRITZE
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	180	167	137	128	92
.n:does not apply	426	460	394	319	248
1.not at all	3940	4192	3333	3077	2612
2.a little	1955	1872	1701	1494	1172
3.some	680	622	581	525	421
4.a lot	231	228	224	196	125
Value-----			S8OCRITZE	S9OCRITZE	S10OCRITZE
.c:not in self-completion m			6538	6211	8173
.m:Missing			127	106	115
.n:does not apply			198	221	235
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.not at all			2801	2485	2987
2.a little			1509	1161	1412
3.some			437	343	437
4.a lot			118	113	149
Value-----	S11OCRITZE	S12OCRITZE	S13OCRITZE	S14OCRITZE	S15OCRITZE
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	91	79	58	62	40
.n:does not apply	241	251	218	177	125
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2533	2683	2067	1898	1559
2.a little	1278	1158	1019	871	656
3.some	378	354	307	289	227
4.a lot	115	110	111	101	61
Value-----			R8OLETDOW	R9OLETDOW	R10OLETDOW

.c:not in self-completion m			10739	10144	13702
.m:Missing			250	196	216
.n:does not apply			321	398	383
1.not at all			4209	3969	4591
2.a little			1901	1539	1977
3.some			751	688	823
4.a lot			298	283	342

Value-----	R11OLETDOW	R12OLETDOW	R13OLETDOW	R14OLETDOW	R15OLETDOW
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	183	168	136	123	93
.n:does not apply	427	454	396	320	247
1.not at all	4038	4200	3388	3155	2696
2.a little	1739	1761	1494	1322	1008
3.some	715	687	633	566	429
4.a lot	310	271	323	253	197

Value-----	S8OLETDOW	S9OLETDOW	S10OLETDOW
.c:not in self-completion m	6538	6211	8173
.m:Missing	120	94	111
.n:does not apply	197	222	235
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.not at all	2837	2466	2978
2.a little	1355	1045	1296
3.some	500	442	519
4.a lot	181	160	196

Value-----	S11OLETDOW	S12OLETDOW	S13OLETDOW	S14OLETDOW	S15OLETDOW
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	92	83	62	65	39
.n:does not apply	241	249	218	178	124
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2543	2626	2059	1897	1569
2.a little	1146	1107	894	807	590
3.some	442	421	370	319	240
4.a lot	172	149	177	132	106

Value-----	R8OGETNEV	R9OGETNEV	R10OGETNEV
.c:not in self-completion m	10739	10144	13702
.m:Missing	216	177	184
.n:does not apply	320	398	384
1.not at all	3343	3166	3592
2.a little	2691	2254	2794
3.some	869	789	994
4.a lot	291	289	384

Value-----	R11OGETNEV	R12OGETNEV	R13OGETNEV	R14OGETNEV	R15OGETNEV
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	144	130	121	99	79
.n:does not apply	424	454	393	320	248
1.not at all	3222	3361	2676	2433	2094
2.a little	2459	2520	2137	1963	1564
3.some	826	790	713	666	491
4.a lot	337	286	330	258	194

Value-----	S8OGETNEV	S9OGETNEV	S10OGETNEV
.c:not in self-completion m	6538	6211	8173
.m:Missing	109	83	98
.n:does not apply	197	221	235
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.not at all	2194	1937	2295
2.a little	1910	1524	1857
3.some	606	510	634
4.a lot	174	154	216

Value-----	S11OGETNEV	S12OGETNEV	S13OGETNEV	S14OGETNEV	S15OGETNEV
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	68	63	54	50	32
.n:does not apply	239	249	218	177	124
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2014	2052	1593	1458	1189
2.a little	1614	1635	1321	1188	930

3.some		511	483	425	391	282
4.a lot		190	153	169	134	111

### How Constructed:

RwOUSTDFE indicates how much the respondent feels their other immediate family members really understand the way they feel about things.

RwORELY indicates how much the respondent feels they can rely on their other immediate family members if they have a serious problem.

RwOOPENUP indicates how much the respondent feels they can open up to their other immediate family members when they need to talk about their worries.

RwODEMAND indicates how often the respondent feels their other immediate family members make too many demands on them.

RwOCRITZE indicates how much the respondent feels their other immediate family members criticize them.

RwOLETDOW indicates how much the respondent feels their other immediate family members let them down when they are counting on them.

RwOGETNEV indicates how much the respondent feels their other immediate family members get on their nerves.

These variables are coded so that a higher value indicates a higher amount of stress for the respondent. RwOUSTDFE, RwORELY, and RwOOPENUP are coded as follows: 1.a lot, 2.some, 3.a little and 4.not at all. RwODEMAND, RwOCRITZE, RwOLETDOW, and RwOGETNEV are coded as follows: 1.not at all, 2.a little, 3.some, 4.a lot. Special missing .n is assigned if the respondent indicates they did not have any other immediate family members. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwOUSTDFE, SwORELY, SwOOPENUP, SwODEMAND, SwOCRITZE, SwOLETDOW and SwOGETNEV indicate how much the respondent's current wave's spouse feels about statements regarding their other immediate family members, and their values are taken from RwOUSTDFE, RwORELY, RwOOPENUP, RwODEMAND, RwOCRITZE, RwOLETDOW and RwOGETNEV. In addition to the special missing codes used in RwOUSTDFE, RwORELY, RwOOPENUP, RwODEMAND, RwOCRITZE, RwOLETDOW and RwOGETNEV, SwOUSTDFE, SwORELY, SwOOPENUP, SwODEMAND, SwOCRITZE, SwOLETDOW and SwOGETNEV employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwOSUPPORT indicates the mean of the seven different other immediate family members support questions (RwOUSTDFE, RwORELY, RwOOPENUP, RwODEMAND, RwOCRITZE, RwOLETDOW and RwOGETNEV) and can be used as a summary score. Since RwOSUPPORT indicates how much the respondent feels a lack of support from their other immediate family members, higher scores indicate less support that the respondent feels from their other immediate family members. RwOSUPPORT is calculated for any respondent with at least one non-missing value for its seven components. RwOSUPPORTM counts the number of components with missing values in RwOSUPPORT, which could be between no missing components (0) and seven missing components (7). Special missing .n is assigned to RwOSUPPORT and RwOSUPPORTM if the respondent indicates they did not have any other immediate family members. Special missing .c is assigned to RwOSUPPORT and RwOSUPPORTM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RwOSUPPORT if the respondent is eligible for and completed the leave behind questionnaire but their responses for all seven questions are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwOSUPPORT and SwOSUPPORTM indicate the mean summary score of seven different other immediate family members support questions and the count of any missing components for the respondent's current wave's spouse, and their values are taken from the spouse's values to RwOSUPPORT and RwOSUPPORTM. In addition to the special missing codes used in RwOSUPPORT and RwOSUPPORTM, SwOSUPPORT and SwOSUPPORTM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being

coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The questions related to other immediate family members' support were added in Wave 8.

### HRS Variables Used:

#### Wave 8:

KLB011	q11. have any other immediate family
KLB012A	q12a. oth fam members understand you
KLB012B	q12b. rely oth fam mem if serious prob
KLB012C	q12c. open up to other family members
KLB012D	q12d. too many demands on you - fam mem
KLB012E	q12e. oth family members criticize you
KLB012F	q12f. oth family members let you down
KLB012G	q12g. oth fam members get on your nerves
KLBCOMP	mode completed leave behind qnaire

#### Wave 9:

LLB011	q11. have any other immediate family
LLB012A	q12a. oth fam members understand you
LLB012B	q12b. rely oth fam mem if serious prob
LLB012C	q12c. open up to other family members
LLB012D	q12d. too many demands on you - fam mem
LLB012E	q12e. oth family members criticize you
LLB012F	q12f. oth family members let you down
LLB012G	q12g. oth fam members get on your nerves
LLBCOMP	mode completed leave behind qnaire

#### Wave 10:

MLB011	q11. have any other immediate family
MLB012A	q12a. oth fam members understand you
MLB012B	q12b. rely oth fam mem if serious prob
MLB012C	q12c. open up to other family members
MLB012D	q12d. too many demands on you - fam mem
MLB012E	q12e. oth family members criticize you
MLB012F	q12f. oth family members let you down
MLB012G	q12g. oth fam members get on your nerves
MLBCOMP	mode completed leave behind qnaire

#### Wave 11:

NLB011	q11. have any other immediate family
NLB012A	q12a. oth fam members understand you
NLB012B	q12b. rely oth fam mem if serious prob
NLB012C	q12c. open up to other family members
NLB012D	q12d. too many demands on you - fam mem
NLB012E	q12e. oth family members criticize you
NLB012F	q12f. oth family members let you down
NLB012G	q12g. oth fam members get on your nerves
NLBCOMP	mode completed leave behind qnaire

#### Wave 12:

OLB010	q10. have any other immediate family
OLB011A	q11a. oth fam members understand you
OLB011B	q11b. rely oth fam mem if serious prob
OLB011C	q11c. open up to other family members
OLB011D	q11d. too many demands on you - fam mem
OLB011E	q11e. oth family members criticize you
OLB011F	q11f. oth family members let you down
OLB011G	q11g. oth fam members get on your nerves
OLBCOMP	mode completed leave behind qnaire

#### Wave 13:

PLB010	q10. have any other immediate family
PLB011A	q11a. oth fam members understand you

PLB011B q11b. rely oth fam mem if serious prob  
PLB011C q11c. open up to other family members  
PLB011D q11d. too many demands on you - fam mem  
PLB011E q11e. oth family members criticize you  
PLB011F q11f. oth family members let you down  
PLB011G q11g. oth fam members get on your nerves  
PLBCOMP mode completed leave behind qnaire

## Wave 14:

QLB010 q10. any other immediate family  
QLB011A q11a. oth fam mems understand  
QLB011B q11b. rely oth fam mem if prob  
QLB011C q11c. open up to other family mems  
QLB011D q11d. too many demands - fam mems  
QLB011E q11e. oth fam mems criticize you  
QLB011F q11f. oth fam mems let you down  
QLB011G q11g. oth fam mems get on nerves  
QLBCOMP mode completed leave behind qnaire

## Wave 15:

RLB010 q10. any other immediate family  
RLB011A q11a. oth fam mems understand  
RLB011B q11b. rely oth fam mem if prob  
RLB011C q11c. open up to other family mems  
RLB011D q11d. too many demands - fam mems  
RLB011E q11e. oth fam mems criticize you  
RLB011F q11f. oth fam mems let you down  
RLB011G q11g. oth fam mems get on nerves  
RLBCOMP mode completed leave behind qnaire



<b>Social Support: Friends</b>
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Wave	Variable	Label	Type
08	R8FUSTDFE	r8fustdfe:w8 r thinks friends understand the way they feel	Categ
09	R9FUSTDFE	r9fustdfe:w9 r thinks friends understand the way they feel	Categ
10	R10FUSTDFE	r10fustdfe:w10 r thinks friends understand the way they feel	Categ
11	R11FUSTDFE	r11fustdfe:w11 r thinks friends understand the way they feel	Categ
12	R12FUSTDFE	r12fustdfe:w12 r thinks friends understand the way they feel	Categ
13	R13FUSTDFE	r13fustdfe:w13 r thinks friends understand the way they feel	Categ
14	R14FUSTDFE	r14fustdfe:w14 r thinks friends understand the way they feel	Categ
15	R15FUSTDFE	r15fustdfe:w15 r thinks friends understand the way they feel	Categ
08	S8FUSTDFE	s8fustdfe:w8 s thinks friends understand the way they feel	Categ
09	S9FUSTDFE	s9fustdfe:w9 s thinks friends understand the way they feel	Categ
10	S10FUSTDFE	s10fustdfe:w10 s thinks friends understand the way they feel	Categ
11	S11FUSTDFE	s11fustdfe:w11 s thinks friends understand the way they feel	Categ
12	S12FUSTDFE	s12fustdfe:w12 s thinks friends understand the way they feel	Categ
13	S13FUSTDFE	s13fustdfe:w13 s thinks friends understand the way they feel	Categ
14	S14FUSTDFE	s14fustdfe:w14 s thinks friends understand the way they feel	Categ
15	S15FUSTDFE	s15fustdfe:w15 s thinks friends understand the way they feel	Categ
08	R8FRELY	r8frely:w8 r can rely on friends for a serious problem	Categ
09	R9FRELY	r9frely:w9 r can rely on friends for a serious problem	Categ
10	R10FRELY	r10frely:w10 r can rely on friends for a serious problem	Categ
11	R11FRELY	r11frely:w11 r can rely on friends for a serious problem	Categ
12	R12FRELY	r12frely:w12 r can rely on friends for a serious problem	Categ
13	R13FRELY	r13frely:w13 r can rely on friends for a serious problem	Categ
14	R14FRELY	r14frely:w14 r can rely on friends for a serious problem	Categ
15	R15FRELY	r15frely:w15 r can rely on friends for a serious problem	Categ
08	S8FRELY	s8frely:w8 s can rely on friends for a serious problem	Categ
09	S9FRELY	s9frely:w9 s can rely on friends for a serious problem	Categ
10	S10FRELY	s10frely:w10 s can rely on friends for a serious problem	Categ
11	S11FRELY	s11frely:w11 s can rely on friends for a serious problem	Categ
12	S12FRELY	s12frely:w12 s can rely on friends for a serious problem	Categ
13	S13FRELY	s13frely:w13 s can rely on friends for a serious problem	Categ
14	S14FRELY	s14frely:w14 s can rely on friends for a serious problem	Categ
15	S15FRELY	s15frely:w15 s can rely on friends for a serious problem	Categ
08	R8FOPENUP	r8fopenup:w8 r can open up their worries to friends	Categ
09	R9FOPENUP	r9fopenup:w9 r can open up their worries to friends	Categ
10	R10FOPENUP	r10fopenup:w10 r can open up their worries to friends	Categ
11	R11FOPENUP	r11fopenup:w11 r can open up their worries to friends	Categ
12	R12FOPENUP	r12fopenup:w12 r can open up their worries to friends	Categ
13	R13FOPENUP	r13fopenup:w13 r can open up their worries to friends	Categ
14	R14FOPENUP	r14fopenup:w14 r can open up their worries to friends	Categ
15	R15FOPENUP	r15fopenup:w15 r can open up their worries to friends	Categ
08	S8FOPENUP	s8fopenup:w8 s can open up their worries to friends	Categ
09	S9FOPENUP	s9fopenup:w9 s can open up their worries to friends	Categ
10	S10FOPENUP	s10fopenup:w10 s can open up their worries to friends	Categ
11	S11FOPENUP	s11fopenup:w11 s can open up their worries to friends	Categ
12	S12FOPENUP	s12fopenup:w12 s can open up their worries to friends	Categ
13	S13FOPENUP	s13fopenup:w13 s can open up their worries to friends	Categ
14	S14FOPENUP	s14fopenup:w14 s can open up their worries to friends	Categ
15	S15FOPENUP	s15fopenup:w15 s can open up their worries to friends	Categ
08	R8FDEMAND	r8fdemand:w8 friends put too many demands on r	Categ
09	R9FDEMAND	r9fdemand:w9 friends put too many demands on r	Categ
10	R10FDEMAND	r10fdemand:w10 friends put too many demands on r	Categ

11	R11FDEMAND	r11fdemand:w11 friends put too many demands on r	Categ
12	R12FDEMAND	r12fdemand:w12 friends put too many demands on r	Categ
13	R13FDEMAND	r13fdemand:w13 friends put too many demands on r	Categ
14	R14FDEMAND	r14fdemand:w14 friends put too many demands on r	Categ
15	R15FDEMAND	r15fdemand:w15 friends put too many demands on r	Categ
08	S8FDEMAND	s8fdemand:w8 friends put too many demands on s	Categ
09	S9FDEMAND	s9fdemand:w9 friends put too many demands on s	Categ
10	S10FDEMAND	s10fdemand:w10 friends put too many demands on s	Categ
11	S11FDEMAND	s11fdemand:w11 friends put too many demands on s	Categ
12	S12FDEMAND	s12fdemand:w12 friends put too many demands on s	Categ
13	S13FDEMAND	s13fdemand:w13 friends put too many demands on s	Categ
14	S14FDEMAND	s14fdemand:w14 friends put too many demands on s	Categ
15	S15FDEMAND	s15fdemand:w15 friends put too many demands on s	Categ
08	R8FCRITZE	r8fcritze:w8 how much friends criticize r	Categ
09	R9FCRITZE	r9fcritze:w9 how much friends criticize r	Categ
10	R10FCRITZE	r10fcritze:w10 how much friends criticize r	Categ
11	R11FCRITZE	r11fcritze:w11 how much friends criticize r	Categ
12	R12FCRITZE	r12fcritze:w12 how much friends criticize r	Categ
13	R13FCRITZE	r13fcritze:w13 how much friends criticize r	Categ
14	R14FCRITZE	r14fcritze:w14 how much friends criticize r	Categ
15	R15FCRITZE	r15fcritze:w15 how much friends criticize r	Categ
08	S8FCRITZE	s8fcritze:w8 how much friends criticize s	Categ
09	S9FCRITZE	s9fcritze:w9 how much friends criticize s	Categ
10	S10FCRITZE	s10fcritze:w10 how much friends criticize s	Categ
11	S11FCRITZE	s11fcritze:w11 how much friends criticize s	Categ
12	S12FCRITZE	s12fcritze:w12 how much friends criticize s	Categ
13	S13FCRITZE	s13fcritze:w13 how much friends criticize s	Categ
14	S14FCRITZE	s14fcritze:w14 how much friends criticize s	Categ
15	S15FCRITZE	s15fcritze:w15 how much friends criticize s	Categ
08	R8FLETDOW	r8fletdow:w8 friends let r down when counting on	Categ
09	R9FLETDOW	r9fletdow:w9 friends let r down when counting on	Categ
10	R10FLETDOW	r10fletdow:w10 friends let r down when counting on	Categ
11	R11FLETDOW	r11fletdow:w11 friends let r down when counting on	Categ
12	R12FLETDOW	r12fletdow:w12 friends let r down when counting on	Categ
13	R13FLETDOW	r13fletdow:w13 friends let r down when counting on	Categ
14	R14FLETDOW	r14fletdow:w14 friends let r down when counting on	Categ
15	R15FLETDOW	r15fletdow:w15 friends let r down when counting on	Categ
08	S8FLETDOW	s8fletdow:w8 friends let s down when counting on	Categ
09	S9FLETDOW	s9fletdow:w9 friends let s down when counting on	Categ
10	S10FLETDOW	s10fletdow:w10 friends let s down when counting on	Categ
11	S11FLETDOW	s11fletdow:w11 friends let s down when counting on	Categ
12	S12FLETDOW	s12fletdow:w12 friends let s down when counting on	Categ
13	S13FLETDOW	s13fletdow:w13 friends let s down when counting on	Categ
14	S14FLETDOW	s14fletdow:w14 friends let s down when counting on	Categ
15	S15FLETDOW	s15fletdow:w15 friends let s down when counting on	Categ
08	R8FGETNEV	r8fgetnev:w8 friends gets on r's nerves	Categ
09	R9FGETNEV	r9fgetnev:w9 friends gets on r's nerves	Categ
10	R10FGETNEV	r10fgetnev:w10 friends gets on r's nerves	Categ
11	R11FGETNEV	r11fgetnev:w11 friends gets on r's nerves	Categ
12	R12FGETNEV	r12fgetnev:w12 friends gets on r's nerves	Categ
13	R13FGETNEV	r13fgetnev:w13 friends gets on r's nerves	Categ
14	R14FGETNEV	r14fgetnev:w14 friends gets on r's nerves	Categ
15	R15FGETNEV	r15fgetnev:w15 friends gets on r's nerves	Categ
08	S8FGETNEV	s8fgetnev:w8 friends gets on s's nerves	Categ
09	S9FGETNEV	s9fgetnev:w9 friends gets on s's nerves	Categ
10	S10FGETNEV	s10fgetnev:w10 friends gets on s's nerves	Categ

11	S11FGETNEV	s11fgetnev:w11	friends gets on s's nerves	Categ
12	S12FGETNEV	s12fgetnev:w12	friends gets on s's nerves	Categ
13	S13FGETNEV	s13fgetnev:w13	friends gets on s's nerves	Categ
14	S14FGETNEV	s14fgetnev:w14	friends gets on s's nerves	Categ
15	S15FGETNEV	s15fgetnev:w15	friends gets on s's nerves	Categ
08	R8FSUPPORT	r8fsupport:w8	r lack of friends support summary mean score	Cont
09	R9FSUPPORT	r9fsupport:w9	r lack of friends support summary mean score	Cont
10	R10FSUPPORT	r10fsupport:w10	r lack of friends support summary mean score	Cont
11	R11FSUPPORT	r11fsupport:w11	r lack of friends support summary mean score	Cont
12	R12FSUPPORT	r12fsupport:w12	r lack of friends support summary mean score	Cont
13	R13FSUPPORT	r13fsupport:w13	r lack of friends support summary mean score	Cont
14	R14FSUPPORT	r14fsupport:w14	r lack of friends support summary mean score	Cont
15	R15FSUPPORT	r15fsupport:w15	r lack of friends support summary mean score	Cont
08	S8FSUPPORT	s8fsupport:w8	s lack of friends support summary mean score	Cont
09	S9FSUPPORT	s9fsupport:w9	s lack of friends support summary mean score	Cont
10	S10FSUPPORT	s10fsupport:w10	s lack of friends support summary mean score	Cont
11	S11FSUPPORT	s11fsupport:w11	s lack of friends support summary mean score	Cont
12	S12FSUPPORT	s12fsupport:w12	s lack of friends support summary mean score	Cont
13	S13FSUPPORT	s13fsupport:w13	s lack of friends support summary mean score	Cont
14	S14FSUPPORT	s14fsupport:w14	s lack of friends support summary mean score	Cont
15	S15FSUPPORT	s15fsupport:w15	s lack of friends support summary mean score	Cont
08	R8FSUPPORTM	r8fsupportm:w8	missings in r lack of friends support summary	Cont
09	R9FSUPPORTM	r9fsupportm:w9	missings in r lack of friends support summary	Cont
10	R10FSUPPORTM	r10fsupportm:w10	missings in r lack of friends support summa	Cont
11	R11FSUPPORTM	r11fsupportm:w11	missings in r lack of friends support summa	Cont
12	R12FSUPPORTM	r12fsupportm:w12	missings in r lack of friends support summa	Cont
13	R13FSUPPORTM	r13fsupportm:w13	missings in r lack of friends support summa	Cont
14	R14FSUPPORTM	r14fsupportm:w14	missings in r lack of friends support summa	Cont
15	R15FSUPPORTM	r15fsupportm:w15	missings in r lack of friends support summa	Cont
08	S8FSUPPORTM	s8fsupportm:w8	missings in s lack of friends support summary	Cont
09	S9FSUPPORTM	s9fsupportm:w9	missings in s lack of friends support summary	Cont
10	S10FSUPPORTM	s10fsupportm:w10	missings in s lack of friends support summa	Cont
11	S11FSUPPORTM	s11fsupportm:w11	missings in s lack of friends support summa	Cont
12	S12FSUPPORTM	s12fsupportm:w12	missings in s lack of friends support summa	Cont
13	S13FSUPPORTM	s13fsupportm:w13	missings in s lack of friends support summa	Cont
14	S14FSUPPORTM	s14fsupportm:w14	missings in s lack of friends support summa	Cont
15	S15FSUPPORTM	s15fsupportm:w15	missings in s lack of friends support summa	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8FUSTDFE	7059	1.93	0.79	1.00	4.00
R9FUSTDFE	6422	1.92	0.80	1.00	4.00
R10FUSTDFE	7599	1.93	0.81	1.00	4.00
R11FUSTDFE	6637	1.90	0.80	1.00	4.00
R12FUSTDFE	6699	1.94	0.80	1.00	4.00
R13FUSTDFE	5646	1.92	0.81	1.00	4.00
R14FUSTDFE	5072	1.93	0.81	1.00	4.00
R15FUSTDFE	4099	1.87	0.79	1.00	4.00
S8FUSTDFE	4775	1.99	0.79	1.00	4.00
S9FUSTDFE	4088	2.00	0.80	1.00	4.00
S10FUSTDFE	4903	1.99	0.81	1.00	4.00
S11FUSTDFE	4189	1.95	0.80	1.00	4.00
S12FUSTDFE	4158	2.01	0.80	1.00	4.00
S13FUSTDFE	3374	1.99	0.81	1.00	4.00
S14FUSTDFE	3013	1.98	0.81	1.00	4.00
S15FUSTDFE	2368	1.92	0.79	1.00	4.00

R8FRELY	7056	1.92	0.88	1.00	4.00
R9FRELY	6425	1.91	0.88	1.00	4.00
R10FRELY	7604	1.92	0.88	1.00	4.00
R11FRELY	6633	1.90	0.87	1.00	4.00
R12FRELY	6701	1.93	0.88	1.00	4.00
R13FRELY	5632	1.91	0.87	1.00	4.00
R14FRELY	5070	1.91	0.87	1.00	4.00
R15FRELY	4097	1.85	0.85	1.00	4.00
S8FRELY	4776	1.95	0.87	1.00	4.00
S9FRELY	4091	1.95	0.87	1.00	4.00
S10FRELY	4904	1.95	0.88	1.00	4.00
S11FRELY	4186	1.91	0.86	1.00	4.00
S12FRELY	4160	1.96	0.87	1.00	4.00
S13FRELY	3370	1.94	0.85	1.00	4.00
S14FRELY	3014	1.95	0.87	1.00	4.00
S15FRELY	2369	1.89	0.85	1.00	4.00
R8FOPENUP	7047	2.02	0.90	1.00	4.00
R9FOPENUP	6413	2.01	0.91	1.00	4.00
R10FOPENUP	7594	2.01	0.92	1.00	4.00
R11FOPENUP	6615	1.97	0.91	1.00	4.00
R12FOPENUP	6696	2.03	0.90	1.00	4.00
R13FOPENUP	5636	1.96	0.90	1.00	4.00
R14FOPENUP	5063	1.99	0.89	1.00	4.00
R15FOPENUP	4096	1.92	0.88	1.00	4.00
S8FOPENUP	4773	2.08	0.90	1.00	4.00
S9FOPENUP	4084	2.07	0.91	1.00	4.00
S10FOPENUP	4899	2.06	0.91	1.00	4.00
S11FOPENUP	4176	2.01	0.90	1.00	4.00
S12FOPENUP	4155	2.09	0.90	1.00	4.00
S13FOPENUP	3370	2.03	0.90	1.00	4.00
S14FOPENUP	3011	2.05	0.89	1.00	4.00
S15FOPENUP	2367	1.99	0.88	1.00	4.00
R8FDEMAND	7044	1.35	0.63	1.00	4.00
R9FDEMAND	6421	1.32	0.62	1.00	4.00
R10FDEMAND	7585	1.34	0.62	1.00	4.00
R11FDEMAND	6614	1.34	0.63	1.00	4.00
R12FDEMAND	6696	1.32	0.60	1.00	4.00
R13FDEMAND	5639	1.32	0.61	1.00	4.00
R14FDEMAND	5063	1.32	0.61	1.00	4.00
R15FDEMAND	4094	1.27	0.58	1.00	4.00
S8FDEMAND	4766	1.34	0.61	1.00	4.00
S9FDEMAND	4089	1.31	0.59	1.00	4.00
S10FDEMAND	4898	1.32	0.60	1.00	4.00
S11FDEMAND	4183	1.34	0.61	1.00	4.00
S12FDEMAND	4156	1.30	0.58	1.00	4.00
S13FDEMAND	3371	1.31	0.59	1.00	4.00
S14FDEMAND	3008	1.30	0.59	1.00	4.00
S15FDEMAND	2365	1.25	0.55	1.00	4.00
R8FCRITZE	6969	1.40	0.63	1.00	4.00
R9FCRITZE	6343	1.37	0.62	1.00	4.00
R10FCRITZE	7505	1.39	0.62	1.00	4.00
R11FCRITZE	6585	1.40	0.63	1.00	4.00
R12FCRITZE	6661	1.36	0.61	1.00	4.00
R13FCRITZE	5602	1.40	0.65	1.00	4.00
R14FCRITZE	5027	1.39	0.63	1.00	4.00
R15FCRITZE	4074	1.34	0.60	1.00	4.00

S8FCRITZE	4721	1.39	0.61	1.00	4.00
S9FCRITZE	4047	1.35	0.59	1.00	4.00
S10FCRITZE	4846	1.35	0.59	1.00	4.00
S11FCRITZE	4161	1.38	0.60	1.00	4.00
S12FCRITZE	4135	1.35	0.60	1.00	4.00
S13FCRITZE	3354	1.37	0.61	1.00	4.00
S14FCRITZE	2990	1.36	0.61	1.00	4.00
S15FCRITZE	2359	1.32	0.58	1.00	4.00
R8FLETDOW	7014	1.45	0.70	1.00	4.00
R9FLETDOW	6398	1.44	0.68	1.00	4.00
R10FLETDOW	7549	1.47	0.72	1.00	4.00
R11FLETDOW	6608	1.47	0.71	1.00	4.00
R12FLETDOW	6665	1.44	0.69	1.00	4.00
R13FLETDOW	5623	1.47	0.73	1.00	4.00
R14FLETDOW	5054	1.46	0.71	1.00	4.00
R15FLETDOW	4086	1.40	0.67	1.00	4.00
S8FLETDOW	4744	1.44	0.68	1.00	4.00
S9FLETDOW	4071	1.43	0.67	1.00	4.00
S10FLETDOW	4869	1.45	0.69	1.00	4.00
S11FLETDOW	4178	1.45	0.68	1.00	4.00
S12FLETDOW	4142	1.42	0.66	1.00	4.00
S13FLETDOW	3358	1.45	0.70	1.00	4.00
S14FLETDOW	3004	1.44	0.69	1.00	4.00
S15FLETDOW	2359	1.38	0.66	1.00	4.00
R8FGETNEV	7040	1.54	0.68	1.00	4.00
R9FGETNEV	6406	1.53	0.68	1.00	4.00
R10FGETNEV	7574	1.54	0.68	1.00	4.00
R11FGETNEV	6622	1.55	0.70	1.00	4.00
R12FGETNEV	6691	1.52	0.68	1.00	4.00
R13FGETNEV	5631	1.55	0.70	1.00	4.00
R14FGETNEV	5062	1.54	0.68	1.00	4.00
R15FGETNEV	4091	1.49	0.66	1.00	4.00
S8FGETNEV	4762	1.54	0.66	1.00	4.00
S9FGETNEV	4078	1.52	0.66	1.00	4.00
S10FGETNEV	4889	1.53	0.66	1.00	4.00
S11FGETNEV	4184	1.53	0.67	1.00	4.00
S12FGETNEV	4152	1.51	0.66	1.00	4.00
S13FGETNEV	3363	1.52	0.67	1.00	4.00
S14FGETNEV	3009	1.52	0.66	1.00	4.00
S15FGETNEV	2361	1.48	0.65	1.00	4.00
R8FSUPPORT	7092	1.66	0.46	1.00	4.00
R9FSUPPORT	6445	1.65	0.45	1.00	4.00
R10FSUPPORT	7620	1.66	0.46	1.00	4.00
R11FSUPPORT	6662	1.65	0.46	1.00	4.00
R12FSUPPORT	6732	1.65	0.45	1.00	4.00
R13FSUPPORT	5664	1.65	0.46	1.00	4.00
R14FSUPPORT	5093	1.65	0.46	1.00	4.00
R15FSUPPORT	4110	1.59	0.44	1.00	4.00
S8FSUPPORT	4792	1.68	0.45	1.00	4.00
S9FSUPPORT	4101	1.66	0.44	1.00	4.00
S10FSUPPORT	4915	1.67	0.45	1.00	4.00
S11FSUPPORT	4202	1.65	0.45	1.00	4.00
S12FSUPPORT	4173	1.66	0.45	1.00	4.00
S13FSUPPORT	3381	1.66	0.45	1.00	4.00
S14FSUPPORT	3027	1.66	0.46	1.00	4.00
S15FSUPPORT	2373	1.61	0.43	1.00	3.50

R8FSUPPORTM	7216	0.18	0.99	0.00	7.00
R9FSUPPORTM	6572	0.18	1.02	0.00	7.00
R10FSUPPORTM	7726	0.14	0.88	0.00	7.00
R11FSUPPORTM	6784	0.17	1.00	0.00	7.00
R12FSUPPORTM	6857	0.17	1.00	0.00	7.00
R13FSUPPORTM	5769	0.17	0.98	0.00	7.00
R14FSUPPORTM	5170	0.15	0.93	0.00	7.00
R15FSUPPORTM	4173	0.14	0.90	0.00	7.00
S8FSUPPORTM	4860	0.14	0.90	0.00	7.00
S9FSUPPORTM	4157	0.13	0.87	0.00	7.00
S10FSUPPORTM	4968	0.11	0.78	0.00	7.00
S11FSUPPORTM	4269	0.15	0.92	0.00	7.00
S12FSUPPORTM	4238	0.14	0.91	0.00	7.00
S13FSUPPORTM	3431	0.13	0.88	0.00	7.00
S14FSUPPORTM	3069	0.14	0.91	0.00	7.00
S15FSUPPORTM	2402	0.11	0.80	0.00	7.00

### Categorical Variable Codes

Value-----	R8FUSTDFE	R9FUSTDFE	R10FUSTDFE
.c:not in self-completion m	10739	10144	13702
.m:Missing	157	149	127
.n:does not apply	514	502	606
1.a lot	2291	2144	2535
2.some	3188	2814	3302
3.a little	1384	1269	1511
4.not at all	196	195	251

Value-----	R11FUSTDFE	R12FUSTDFE	R13FUSTDFE	R14FUSTDFE	R15FUSTDFE
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	146	152	119	96	73
.n:does not apply	629	690	605	571	498
1.a lot	2266	2147	1918	1678	1481
2.some	2957	2989	2465	2225	1779
3.a little	1195	1348	1067	999	729
4.not at all	219	215	196	170	110

Value-----	S8FUSTDFE	S9FUSTDFE	S10FUSTDFE
.c:not in self-completion m	6538	6211	8173
.m:Missing	85	68	65
.n:does not apply	330	273	367
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.a lot	1368	1180	1468
2.some	2241	1853	2195
3.a little	1024	918	1070
4.not at all	142	137	170

Value-----	S11FUSTDFE	S12FUSTDFE	S13FUSTDFE	S14FUSTDFE	S15FUSTDFE
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	80	78	55	54	34
.n:does not apply	367	399	351	331	266
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.a lot	1322	1162	1001	904	774
2.some	1912	1941	1531	1370	1077
3.a little	813	916	713	635	449
4.not at all	142	139	129	104	68

Value-----	R8FRELY	R9FRELY	R10FRELY
.c:not in self-completion m	10739	10144	13702
.m:Missing	158	142	120
.n:does not apply	516	506	608
1.a lot	2656	2449	2885
2.some	2693	2427	2851
3.a little	1330	1208	1479
4.not at all	377	341	389

Value-----	R11FRELY	R12FRELY	R13FRELY	R14FRELY	R15FRELY
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	147	151	131	96	74
.n:does not apply	632	689	607	573	499
1.a lot	2584	2482	2125	1935	1682
2.some	2476	2567	2159	1925	1530
3.a little	1246	1290	1072	955	712
4.not at all	327	362	276	255	173

Value-----	S8FRELY	S9FRELY	S10FRELY
.c:not in self-completion m	6538	6211	8173
.m:Missing	83	62	62
.n:does not apply	331	276	369
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.a lot	1685	1444	1755
2.some	1896	1618	1887
3.a little	940	818	1004
4.not at all	255	211	258

Value-----	S11FRELY	S12FRELY	S13FRELY	S14FRELY	S15FRELY
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	81	75	59	52	32
.n:does not apply	369	400	351	332	267
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.a lot	1552	1440	1180	1070	913
2.some	1648	1640	1356	1179	917
3.a little	794	869	684	615	436
4.not at all	192	211	150	150	103

Value-----	R8FOPENUP	R9FOPENUP	R10FOPENUP
.c:not in self-completion m	10739	10144	13702
.m:Missing	167	154	130
.n:does not apply	516	506	608
1.a lot	2332	2208	2630
2.some	2666	2387	2814
3.a little	1603	1374	1619
4.not at all	446	444	531

Value-----	R11FOPENUP	R12FOPENUP	R13FOPENUP	R14FOPENUP	R15FOPENUP
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	162	156	128	102	76
.n:does not apply	635	689	606	574	498
1.a lot	2419	2218	2057	1745	1529
2.some	2408	2521	2067	1930	1568
3.a little	1363	1528	1170	1091	781
4.not at all	425	429	342	297	218

Value-----	S8FOPENUP	S9FOPENUP	S10FOPENUP
.c:not in self-completion m	6538	6211	8173
.m:Missing	85	69	68
.n:does not apply	332	276	368
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.a lot	1439	1252	1558
2.some	1829	1592	1834
3.a little	1191	942	1160
4.not at all	314	298	347

Value-----	S11FOPENUP	S12FOPENUP	S13FOPENUP	S14FOPENUP	S15FOPENUP
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	91	81	60	55	34
.n:does not apply	369	399	350	332	267
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.a lot	1412	1239	1106	932	793
2.some	1563	1595	1279	1186	940
3.a little	933	1042	768	704	503
4.not at all	268	279	217	189	131

Value-----	R8FDEMAND	R9FDEMAND	R10FDEMAND
.c:not in self-completion m	10739	10144	13702
.m:Missing	170	146	139
.n:does not apply	516	506	608
1.not at all	5104	4828	5555

2.a little			1474	1206	1558
3.some			394	319	403
4.a lot			72	68	69
Value-----	R11FDEMAND	R12FDEMAND	R13FDEMAND	R14FDEMAND	R15FDEMAND
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	163	155	123	103	77
.n:does not apply	635	690	608	573	499
1.not at all	4850	5005	4234	3782	3215
2.a little	1324	1318	1064	979	679
3.some	373	315	286	254	162
4.a lot	67	58	55	48	38
Value-----			S8FDEMAND	S9FDEMAND	S10FDEMAND
.c:not in self-completion m			6538	6211	8173
.m:Missing			92	64	69
.n:does not apply			332	276	368
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.not at all			3455	3084	3627
2.a little			1032	789	1004
3.some			237	184	232
4.a lot			42	32	35
Value-----	S11FDEMAND	S12FDEMAND	S13FDEMAND	S14FDEMAND	S15FDEMAND
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	83	79	57	58	36
.n:does not apply	370	400	352	332	267
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	3058	3140	2540	2280	1885
2.a little	877	815	654	574	378
3.some	213	169	149	128	84
4.a lot	35	32	28	26	18
Value-----			R8FCRITZE	R9FCRITZE	R10FCRITZE
.c:not in self-completion m			10739	10144	13702
.m:Missing			244	222	217
.n:does not apply			517	508	610
1.not at all			4670	4446	5067
2.a little			1867	1497	1992
3.some			372	357	388
4.a lot			60	43	58
Value-----	R11FCRITZE	R12FCRITZE	R13FCRITZE	R14FCRITZE	R15FCRITZE
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	191	188	161	137	96
.n:does not apply	636	692	607	575	500
1.not at all	4445	4661	3791	3425	2935
2.a little	1720	1634	1431	1312	939
3.some	369	313	316	242	167
4.a lot	51	53	64	48	33
Value-----			S8FCRITZE	S9FCRITZE	S10FCRITZE
.c:not in self-completion m			6538	6211	8173
.m:Missing			136	105	120
.n:does not apply			333	277	369
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.not at all			3179	2854	3399
2.a little			1284	979	1203
3.some			224	195	216
4.a lot			34	19	28
Value-----	S11FCRITZE	S12FCRITZE	S13FCRITZE	S14FCRITZE	S15FCRITZE
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	105	100	75	76	42
.n:does not apply	370	400	351	332	267
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2841	2944	2313	2108	1739
2.a little	1101	983	862	730	513
3.some	197	178	153	121	90
4.a lot	22	30	26	31	17
Value-----			R8FLETDOW	R9FLETDOW	R10FLETDOW



.c:not in self-completion m			10739	10144	13702
.m:Missing			198	170	174
.n:does not apply			518	505	609
1.not at all			4567	4218	4841
2.a little			1814	1611	1952
3.some			525	498	637
4.a lot			108	71	119

Value-----	R11FLETDOW	R12FLETDOW	R13FLETDOW	R14FLETDOW	R15FLETDOW
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	169	187	140	112	85
.n:does not apply	635	689	607	573	499
1.not at all	4242	4406	3637	3292	2808
2.a little	1718	1689	1414	1299	975
3.some	540	464	465	378	248
4.a lot	108	106	107	85	55

Value-----	S8FLETDOW	S9FLETDOW	S10FLETDOW
.c:not in self-completion m	6538	6211	8173
.m:Missing	112	83	98
.n:does not apply	334	275	368
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.not at all	3100	2687	3180
2.a little	1251	1050	1258
3.some	332	299	366
4.a lot	61	35	65

Value-----	S11FLETDOW	S12FLETDOW	S13FLETDOW	S14FLETDOW	S15FLETDOW
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	89	94	71	62	42
.n:does not apply	369	399	351	332	267
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2724	2767	2200	1981	1662
2.a little	1100	1062	852	777	531
3.some	301	265	259	201	134
4.a lot	53	48	47	45	32

Value-----	R8FGETNEV	R9FGETNEV	R10FGETNEV
.c:not in self-completion m	10739	10144	13702
.m:Missing	173	161	150
.n:does not apply	517	506	608
1.not at all	3887	3603	4160
2.a little	2578	2258	2790
3.some	488	475	538
4.a lot	87	70	86

Value-----	R11FGETNEV	R12FGETNEV	R13FGETNEV	R14FGETNEV	R15FGETNEV
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	155	160	132	104	80
.n:does not apply	635	690	607	573	499
1.not at all	3702	3805	3123	2796	2421
2.a little	2317	2361	1996	1863	1373
3.some	515	436	434	337	251
4.a lot	88	89	78	66	46

Value-----	S8FGETNEV	S9FGETNEV	S10FGETNEV
.c:not in self-completion m	6538	6211	8173
.m:Missing	95	75	78
.n:does not apply	333	276	368
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.not at all	2594	2282	2721
2.a little	1809	1488	1808
3.some	310	276	316
4.a lot	49	32	44

Value-----	S11FGETNEV	S12FGETNEV	S13FGETNEV	S14FGETNEV	S15FGETNEV
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	83	84	66	57	40
.n:does not apply	369	399	351	332	267
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2338	2367	1912	1688	1408
2.a little	1509	1497	1183	1109	800

3.some		298	244	234	182	128
4.a lot		39	44	34	30	25

### How Constructed:

RwFUSTDFE indicates how much the respondent feels their friends really understand the way they feel about things.

RwFRELY indicates how much the respondent feels they can rely on their friends if they have a serious problem.

RwFOPENUP indicates how much the respondent feels they can open up to their friends when they need to talk about their worries.

RwFDEMAND indicates how often the respondent feels their friends make too many demands on them.

RwFCRITZE indicates how much the respondent feels their friends criticize them.

RwFLETDOW indicates how much the respondent feels their friends let them down when they are counting on them.

RwFGETNEV indicates how much the respondent feels their friends get on their nerves.

These variables are coded so that a higher value indicates a higher amount of stress for the respondent. RwFUSTDFE, RwFRELY, and RwFOPENUP are coded as follows: 1.a lot, 2.some, 3.a little and 4.not at all. RwFDEMAND, RwFCRITZE, RwFLETDOW, and RwFGETNEV are coded as follows: 1.not at all, 2.a little, 3.some, 4.a lot. Special missing .n is assigned if the respondent indicates they did not have any friends. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwFUSTDFE, SwFRELY, SwFOPENUP, SwFDEMAND, SwFCRITZE, SwFLETDOW and SwFGETNEV indicate the respondent's current wave's spouse's feelings about statements regarding their friends, and their values are taken from the spouse's values to RwFUSTDFE, RwFRELY, RwFOPENUP, RwFDEMAND, RwFCRITZE, RwFLETDOW and RwFGETNEV. In addition to the special missing codes used in RwFUSTDFE, RwFRELY, RwFOPENUP, RwFDEMAND, RwFCRITZE, RwFLETDOW and RwFGETNEV, SwFUSTDFE, SwFRELY, SwFOPENUP, SwFDEMAND, SwFCRITZE, SwFLETDOW and SwFGETNEV employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFSUPPORT indicates the mean of the seven different friends support questions (RwFUSTDFE, RwFRELY, RwFOPENUP, RwFDEMAND, RwFCRITZE, RwFLETDOW and RwFGETNEV) and can be used as a summary score. Since RwFSUPPORT indicates how much the respondent feels a lack of support from their friends, higher scores indicate less support that the respondent feels from their friends. RwFSUPPORT is calculated for any respondent with at least one non-missing value for its seven components. RwFSUPPORTM counts the number of components with missing values in RwFSUPPORT, which could be between no missing components (0) and seven missing components (7). Special missing .n is assigned to RwFSUPPORT and RwFSUPPORTM if the respondent indicates they did not have any friends. Special missing .c is assigned to RwFSUPPORT and RwFSUPPORTM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RwFSUPPORT if the respondent is eligible for and completed the leave behind questionnaire but their responses to all seven questions are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwFSUPPORT and SwFSUPPORTM indicate the mean summary score of seven different friends support questions and the count of any missing components for the respondent's current wave's spouse, and their values are taken from the spouse's values to RwFSUPPORT and RwFSUPPORTM. In addition to the special missing codes used in RwFSUPPORT and RwFSUPPORTM, SwFSUPPORT and SwFSUPPORTM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The questions related to friends' support were added in Wave 8.

### HRS Variables Used:

#### Wave 8:

KLB015 q15. have any friends  
 KLB016A q16a. friends understand way you feel  
 KLB016B q16b. rely on friends if serious problem  
 KLB016C q16c. open up to friends about worries  
 KLB016D q16d. too many demands on you - friends  
 KLB016E q16e. friends criticize you  
 KLB016F q16f. friends let you down  
 KLB016G q16g. friends get on your nerves  
 KLBCOMP mode completed leave behind qnaire

#### Wave 9:

LLB015 q15. have any friends  
 LLB016A q16a. friends understand way you feel  
 LLB016B q16b. rely on friends if serious problem  
 LLB016C q16c. open up to friends about worries  
 LLB016D q16d. too many demands on you - friends  
 LLB016E q16e. friends criticize you  
 LLB016F q16f. friends let you down  
 LLB016G q16g. friends get on your nerves  
 LLBCOMP mode completed leave behind qnaire

#### Wave 10:

MLB015 q15. have any friends  
 MLB016A q16a. friends understand way you feel  
 MLB016B q16b. rely on friends if serious problem  
 MLB016C q16c. open up to friends about worries  
 MLB016D q16d. too many demands on you - friends  
 MLB016E q16e. friends criticize you  
 MLB016F q16f. friends let you down  
 MLB016G q16g. friends get on your nerves  
 MLBCOMP mode completed leave behind qnaire

#### Wave 11:

NLB015 q15. have any friends  
 NLB016A q16a. friends understand way you feel  
 NLB016B q16b. rely on friends if serious problem  
 NLB016C q16c. open up to friends about worries  
 NLB016D q16d. too many demands on you - friends  
 NLB016E q16e. friends criticize you  
 NLB016F q16f. friends let you down  
 NLB016G q16g. friends get on your nerves  
 NLBCOMP mode completed leave behind qnaire

#### Wave 12:

OLB014 q14. have any friends  
 OLB015A q15a. friends understand way you feel  
 OLB015B q15b. rely on friends if serious problem  
 OLB015C q15c. open up to friends about worries  
 OLB015D q15d. too many demands on you - friends  
 OLB015E q15e. friends criticize you  
 OLB015F q15f. friends let you down  
 OLB015G q15g. friends get on your nerves  
 OLBCOMP mode completed leave behind qnaire

#### Wave 13:

PLB014 q14. have any friends  
 PLB015A q15a. friends understand way you feel  
 PLB015B q15b. rely on friends if serious problem  
 PLB015C q15c. open up to friends about worries  
 PLB015D q15d. too many demands on you - friends

PLB015E q15e. friends criticize you  
PLB015F q15f. friends let you down  
PLB015G q15g. friends get on your nerves  
PLBCOMP mode completed leave behind qnaire

## Wave 14:

QLB014 q14. have any friends  
QLB015A q15a. friends understand  
QLB015B q15b. rely on friends if problem  
QLB015C q15c. open up to friends  
QLB015D q15d. too many demands - friends  
QLB015E q15e. friends criticize you  
QLB015F q15f. friends let you down  
QLB015G q15g. friends get on your nerves  
QLBCOMP mode completed leave behind qnaire

## Wave 15:

RLB014 q14. have any friends  
RLB015A q15a. friends understand  
RLB015B q15b. rely on friends if problem  
RLB015C q15c. open up to friends  
RLB015D q15d. too many demands - friends  
RLB015E q15e. friends criticize you  
RLB015F q15f. friends let you down  
RLB015G q15g. friends get on your nerves  
RLBCOMP mode completed leave behind qnaire

<b>Everyday Discrimination</b>
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Wave	Variable	Label	Type
08	R8LSRSPCT	r8lsrspct:w8 r was treated with less courtesy or respect	Categ
09	R9LSRSPCT	r9lsrspct:w9 r was treated with less courtesy or respect	Categ
10	R10LSRSPCT	r10lsrspct:w10 r was treated with less courtesy or respect	Categ
11	R11LSRSPCT	r11lsrspct:w11 r was treated with less courtesy or respect	Categ
12	R12LSRSPCT	r12lsrspct:w12 r was treated with less courtesy or respect	Categ
13	R13LSRSPCT	r13lsrspct:w13 r was treated with less courtesy or respect	Categ
14	R14LSRSPCT	r14lsrspct:w14 r was treated with less courtesy or respect	Categ
15	R15LSRSPCT	r15lsrspct:w15 r was treated with less courtesy or respect	Categ
08	S8LSRSPCT	s8lsrspct:w8 s was treated with less courtesy or respect	Categ
09	S9LSRSPCT	s9lsrspct:w9 s was treated with less courtesy or respect	Categ
10	S10LSRSPCT	s10lsrspct:w10 s was treated with less courtesy or respect	Categ
11	S11LSRSPCT	s11lsrspct:w11 s was treated with less courtesy or respect	Categ
12	S12LSRSPCT	s12lsrspct:w12 s was treated with less courtesy or respect	Categ
13	S13LSRSPCT	s13lsrspct:w13 s was treated with less courtesy or respect	Categ
14	S14LSRSPCT	s14lsrspct:w14 s was treated with less courtesy or respect	Categ
15	S15LSRSPCT	s15lsrspct:w15 s was treated with less courtesy or respect	Categ
08	R8PRSRVC	r8prsrvc:w8 r received poorer service than other people at r	Categ
09	R9PRSRVC	r9prsrvc:w9 r received poorer service than other people at r	Categ
10	R10PRSRVC	r10prsrvc:w10 r received poorer service than other people at r	Categ
11	R11PRSRVC	r11prsrvc:w11 r received poorer service than other people at r	Categ
12	R12PRSRVC	r12prsrvc:w12 r received poorer service than other people at r	Categ
13	R13PRSRVC	r13prsrvc:w13 r received poorer service than other people at r	Categ
14	R14PRSRVC	r14prsrvc:w14 r received poorer service than other people at r	Categ
15	R15PRSRVC	r15prsrvc:w15 r received poorer service than other people at r	Categ
08	S8PRSRVC	s8prsrvc:w8 s received poorer service than other people at r	Categ
09	S9PRSRVC	s9prsrvc:w9 s received poorer service than other people at r	Categ
10	S10PRSRVC	s10prsrvc:w10 s received poorer service than other people at r	Categ
11	S11PRSRVC	s11prsrvc:w11 s received poorer service than other people at r	Categ
12	S12PRSRVC	s12prsrvc:w12 s received poorer service than other people at r	Categ
13	S13PRSRVC	s13prsrvc:w13 s received poorer service than other people at r	Categ
14	S14PRSRVC	s14prsrvc:w14 s received poorer service than other people at r	Categ
15	S15PRSRVC	s15prsrvc:w15 s received poorer service than other people at r	Categ
08	R8NOTSMRT	r8notsmrt:w8 people act as if r is not smart	Categ
09	R9NOTSMRT	r9notsmrt:w9 people act as if r is not smart	Categ
10	R10NOTSMRT	r10notsmrt:w10 people act as if r is not smart	Categ
11	R11NOTSMRT	r11notsmrt:w11 people act as if r is not smart	Categ
12	R12NOTSMRT	r12notsmrt:w12 people act as if r is not smart	Categ
13	R13NOTSMRT	r13notsmrt:w13 people act as if r is not smart	Categ
14	R14NOTSMRT	r14notsmrt:w14 people act as if r is not smart	Categ
15	R15NOTSMRT	r15notsmrt:w15 people act as if r is not smart	Categ
08	S8NOTSMRT	s8notsmrt:w8 people act as if s is not smart	Categ
09	S9NOTSMRT	s9notsmrt:w9 people act as if s is not smart	Categ
10	S10NOTSMRT	s10notsmrt:w10 people act as if s is not smart	Categ
11	S11NOTSMRT	s11notsmrt:w11 people act as if s is not smart	Categ
12	S12NOTSMRT	s12notsmrt:w12 people act as if s is not smart	Categ
13	S13NOTSMRT	s13notsmrt:w13 people act as if s is not smart	Categ
14	S14NOTSMRT	s14notsmrt:w14 people act as if s is not smart	Categ
15	S15NOTSMRT	s15notsmrt:w15 people act as if s is not smart	Categ
08	R8HARASS	r8harass:w8 r was threatened or harassed	Categ
09	R9HARASS	r9harass:w9 r was threatened or harassed	Categ
10	R10HARASS	r10harass:w10 r was threatened or harassed	Categ

11	R11HARASS	r11harass:w11	r was threatened or harassed	Categ
12	R12HARASS	r12harass:w12	r was threatened or harassed	Categ
13	R13HARASS	r13harass:w13	r was threatened or harassed	Categ
14	R14HARASS	r14harass:w14	r was threatened or harassed	Categ
15	R15HARASS	r15harass:w15	r was threatened or harassed	Categ
08	S8HARASS	s8harass:w8	s was threatened or harassed	Categ
09	S9HARASS	s9harass:w9	s was threatened or harassed	Categ
10	S10HARASS	s10harass:w10	s was threatened or harassed	Categ
11	S11HARASS	s11harass:w11	s was threatened or harassed	Categ
12	S12HARASS	s12harass:w12	s was threatened or harassed	Categ
13	S13HARASS	s13harass:w13	s was threatened or harassed	Categ
14	S14HARASS	s14harass:w14	s was threatened or harassed	Categ
15	S15HARASS	s15harass:w15	s was threatened or harassed	Categ
08	R8PRTRMT	r8prtrmt:w8	r received poorer service from doctors or hospit	Categ
09	R9PRTRMT	r9prtrmt:w9	r received poorer service from doctors or hospit	Categ
10	R10PRTRMT	r10prtrmt:w10	r received poorer service from doctors or hosp	Categ
11	R11PRTRMT	r11prtrmt:w11	r received poorer service from doctors or hosp	Categ
12	R12PRTRMT	r12prtrmt:w12	r received poorer service from doctors or hosp	Categ
13	R13PRTRMT	r13prtrmt:w13	r received poorer service from doctors or hosp	Categ
14	R14PRTRMT	r14prtrmt:w14	r received poorer service from doctors or hosp	Categ
15	R15PRTRMT	r15prtrmt:w15	r received poorer service from doctors or hosp	Categ
08	S8PRTRMT	s8prtrmt:w8	s received poorer service from doctors or hospit	Categ
09	S9PRTRMT	s9prtrmt:w9	s received poorer service from doctors or hospit	Categ
10	S10PRTRMT	s10prtrmt:w10	s received poorer service from doctors or hosp	Categ
11	S11PRTRMT	s11prtrmt:w11	s received poorer service from doctors or hosp	Categ
12	S12PRTRMT	s12prtrmt:w12	s received poorer service from doctors or hosp	Categ
13	S13PRTRMT	s13prtrmt:w13	s received poorer service from doctors or hosp	Categ
14	S14PRTRMT	s14prtrmt:w14	s received poorer service from doctors or hosp	Categ
15	S15PRTRMT	s15prtrmt:w15	s received poorer service from doctors or hosp	Categ
09	R9ACTAFD	r9actafd:w9	people act afraid of r	Categ
10	R10ACTAFD	r10actafd:w10	people act afraid of r	Categ
11	R11ACTAFD	r11actafd:w11	people act afraid of r	Categ
12	R12ACTAFD	r12actafd:w12	people act afraid of r	Categ
13	R13ACTAFD	r13actafd:w13	people act afraid of r	Categ
14	R14ACTAFD	r14actafd:w14	people act afraid of r	Categ
15	R15ACTAFD	r15actafd:w15	people act afraid of r	Categ
09	S9ACTAFD	s9actafd:w9	people act afraid of s	Categ
10	S10ACTAFD	s10actafd:w10	people act afraid of s	Categ
11	S11ACTAFD	s11actafd:w11	people act afraid of s	Categ
12	S12ACTAFD	s12actafd:w12	people act afraid of s	Categ
13	S13ACTAFD	s13actafd:w13	people act afraid of s	Categ
14	S14ACTAFD	s14actafd:w14	people act afraid of s	Categ
15	S15ACTAFD	s15actafd:w15	people act afraid of s	Categ
09	R9DSCRIM	r9dscrim:w9	r 6 discrimination summary mean score	Cont
10	R10DSCRIM	r10dscrim:w10	r 6 discrimination summary mean score	Cont
11	R11DSCRIM	r11dscrim:w11	r 6 discrimination summary mean score	Cont
12	R12DSCRIM	r12dscrim:w12	r 6 discrimination summary mean score	Cont
13	R13DSCRIM	r13dscrim:w13	r 6 discrimination summary mean score	Cont
14	R14DSCRIM	r14dscrim:w14	r 6 discrimination summary mean score	Cont
15	R15DSCRIM	r15dscrim:w15	r 6 discrimination summary mean score	Cont
09	S9DSCRIM	s9dscrim:w9	s 6 discrimination summary mean score	Cont
10	S10DSCRIM	s10dscrim:w10	s 6 discrimination summary mean score	Cont
11	S11DSCRIM	s11dscrim:w11	s 6 discrimination summary mean score	Cont
12	S12DSCRIM	s12dscrim:w12	s 6 discrimination summary mean score	Cont
13	S13DSCRIM	s13dscrim:w13	s 6 discrimination summary mean score	Cont
14	S14DSCRIM	s14dscrim:w14	s 6 discrimination summary mean score	Cont

15	S15DSCRIM	s15dscrim:w15 s 6	discrimination summary mean score	Cont
09	R9DSCRIMM	r9dscrimm:w9	missings in r 6 discrimination summary mean sco	Cont
10	R10DSCRIMM	r10dscrimm:w10	missings in r 6 discrimination summary mean s	Cont
11	R11DSCRIMM	r11dscrimm:w11	missings in r 6 discrimination summary mean s	Cont
12	R12DSCRIMM	r12dscrimm:w12	missings in r 6 discrimination summary mean s	Cont
13	R13DSCRIMM	r13dscrimm:w13	missings in r 6 discrimination summary mean s	Cont
14	R14DSCRIMM	r14dscrimm:w14	missings in r 6 discrimination summary mean s	Cont
15	R15DSCRIMM	r15dscrimm:w15	missings in r 6 discrimination summary mean s	Cont
09	S9DSCRIMM	s9dscrimm:w9	missings in s 6 discrimination summary mean sco	Cont
10	S10DSCRIMM	s10dscrimm:w10	missings in s 6 discrimination summary mean s	Cont
11	S11DSCRIMM	s11dscrimm:w11	missings in s 6 discrimination summary mean s	Cont
12	S12DSCRIMM	s12dscrimm:w12	missings in s 6 discrimination summary mean s	Cont
13	S13DSCRIMM	s13dscrimm:w13	missings in s 6 discrimination summary mean s	Cont
14	S14DSCRIMM	s14dscrimm:w14	missings in s 6 discrimination summary mean s	Cont
15	S15DSCRIMM	s15dscrimm:w15	missings in s 6 discrimination summary mean s	Cont
08	R8DSCRIM5	r8dscrim5:w8	r 5 discrimination summary mean score	Cont
09	R9DSCRIM5	r9dscrim5:w9	r 5 discrimination summary mean score	Cont
10	R10DSCRIM5	r10dscrim5:w10	r 5 discrimination summary mean score	Cont
11	R11DSCRIM5	r11dscrim5:w11	r 5 discrimination summary mean score	Cont
12	R12DSCRIM5	r12dscrim5:w12	r 5 discrimination summary mean score	Cont
13	R13DSCRIM5	r13dscrim5:w13	r 5 discrimination summary mean score	Cont
14	R14DSCRIM5	r14dscrim5:w14	r 5 discrimination summary mean score	Cont
15	R15DSCRIM5	r15dscrim5:w15	r 5 discrimination summary mean score	Cont
08	S8DSCRIM5	s8dscrim5:w8	s 5 discrimination summary mean score	Cont
09	S9DSCRIM5	s9dscrim5:w9	s 5 discrimination summary mean score	Cont
10	S10DSCRIM5	s10dscrim5:w10	s 5 discrimination summary mean score	Cont
11	S11DSCRIM5	s11dscrim5:w11	s 5 discrimination summary mean score	Cont
12	S12DSCRIM5	s12dscrim5:w12	s 5 discrimination summary mean score	Cont
13	S13DSCRIM5	s13dscrim5:w13	s 5 discrimination summary mean score	Cont
14	S14DSCRIM5	s14dscrim5:w14	s 5 discrimination summary mean score	Cont
15	S15DSCRIM5	s15dscrim5:w15	s 5 discrimination summary mean score	Cont
08	R8DSCRIM5M	r8dscrim5m:w8	missings in r 5 discrimination summary mean sc	Cont
09	R9DSCRIM5M	r9dscrim5m:w9	missings in r 5 discrimination summary mean sc	Cont
10	R10DSCRIM5M	r10dscrim5m:w10	missings in r 5 discrimination summary mean	Cont
11	R11DSCRIM5M	r11dscrim5m:w11	missings in r 5 discrimination summary mean	Cont
12	R12DSCRIM5M	r12dscrim5m:w12	missings in r 5 discrimination summary mean	Cont
13	R13DSCRIM5M	r13dscrim5m:w13	missings in r 5 discrimination summary mean	Cont
14	R14DSCRIM5M	r14dscrim5m:w14	missings in r 5 discrimination summary mean	Cont
15	R15DSCRIM5M	r15dscrim5m:w15	missings in r 5 discrimination summary mean	Cont
08	S8DSCRIM5M	s8dscrim5m:w8	missings in s 5 discrimination summary mean sc	Cont
09	S9DSCRIM5M	s9dscrim5m:w9	missings in s 5 discrimination summary mean sc	Cont
10	S10DSCRIM5M	s10dscrim5m:w10	missings in s 5 discrimination summary mean	Cont
11	S11DSCRIM5M	s11dscrim5m:w11	missings in s 5 discrimination summary mean	Cont
12	S12DSCRIM5M	s12dscrim5m:w12	missings in s 5 discrimination summary mean	Cont
13	S13DSCRIM5M	s13dscrim5m:w13	missings in s 5 discrimination summary mean	Cont
14	S14DSCRIM5M	s14dscrim5m:w14	missings in s 5 discrimination summary mean	Cont
15	S15DSCRIM5M	s15dscrim5m:w15	missings in s 5 discrimination summary mean	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8LSRSPCT	7575	2.19	1.26	1.00	6.00
R9LSRSPCT	6962	1.97	1.24	1.00	6.00
R10LSRSPCT	8187	1.99	1.27	1.00	6.00
R11LSRSPCT	7239	1.98	1.26	1.00	6.00
R12LSRSPCT	7406	1.99	1.27	1.00	6.00

R13LSRSPCT	6235	2.07	1.29	1.00	6.00
R14LSRSPCT	5610	2.00	1.28	1.00	6.00
R15LSRSPCT	4588	1.95	1.22	1.00	6.00
S8LSRSPCT	5099	2.19	1.24	1.00	6.00
S9LSRSPCT	4382	1.96	1.20	1.00	6.00
S10LSRSPCT	5256	1.96	1.22	1.00	6.00
S11LSRSPCT	4556	1.93	1.22	1.00	6.00
S12LSRSPCT	4577	1.97	1.26	1.00	6.00
S13LSRSPCT	3717	2.03	1.24	1.00	6.00
S14LSRSPCT	3328	1.98	1.25	1.00	6.00
S15LSRSPCT	2637	1.89	1.16	1.00	6.00
R8PRSRVC	7564	1.72	0.96	1.00	6.00
R9PRSRVC	6946	1.58	0.95	1.00	6.00
R10PRSRVC	8171	1.57	0.94	1.00	6.00
R11PRSRVC	7230	1.58	0.98	1.00	6.00
R12PRSRVC	7403	1.57	0.95	1.00	6.00
R13PRSRVC	6247	1.60	0.95	1.00	6.00
R14PRSRVC	5607	1.60	0.96	1.00	6.00
R15PRSRVC	4582	1.58	0.96	1.00	6.00
S8PRSRVC	5093	1.74	0.94	1.00	6.00
S9PRSRVC	4369	1.58	0.92	1.00	6.00
S10PRSRVC	5257	1.56	0.91	1.00	6.00
S11PRSRVC	4555	1.55	0.93	1.00	6.00
S12PRSRVC	4581	1.58	0.95	1.00	6.00
S13PRSRVC	3718	1.58	0.91	1.00	6.00
S14PRSRVC	3327	1.60	0.93	1.00	6.00
S15PRSRVC	2635	1.55	0.90	1.00	6.00
R8NOTSMRT	7559	1.79	1.14	1.00	6.00
R9NOTSMRT	6944	1.82	1.20	1.00	6.00
R10NOTSMRT	8159	1.82	1.21	1.00	6.00
R11NOTSMRT	7224	1.84	1.23	1.00	6.00
R12NOTSMRT	7382	1.82	1.20	1.00	6.00
R13NOTSMRT	6222	1.88	1.24	1.00	6.00
R14NOTSMRT	5592	1.88	1.24	1.00	6.00
R15NOTSMRT	4582	1.84	1.23	1.00	6.00
S8NOTSMRT	5094	1.77	1.11	1.00	6.00
S9NOTSMRT	4368	1.78	1.15	1.00	6.00
S10NOTSMRT	5242	1.77	1.16	1.00	6.00
S11NOTSMRT	4548	1.78	1.17	1.00	6.00
S12NOTSMRT	4564	1.78	1.17	1.00	6.00
S13NOTSMRT	3707	1.81	1.16	1.00	6.00
S14NOTSMRT	3318	1.84	1.19	1.00	6.00
S15NOTSMRT	2630	1.77	1.16	1.00	6.00
R8HARASS	7563	1.40	0.88	1.00	6.00
R9HARASS	6939	1.35	0.86	1.00	6.00
R10HARASS	8175	1.40	0.92	1.00	6.00
R11HARASS	7222	1.40	0.93	1.00	6.00
R12HARASS	7400	1.39	0.91	1.00	6.00
R13HARASS	6238	1.42	0.93	1.00	6.00
R14HARASS	5601	1.42	0.96	1.00	6.00
R15HARASS	4586	1.39	0.91	1.00	6.00
S8HARASS	5100	1.42	0.88	1.00	6.00
S9HARASS	4361	1.37	0.85	1.00	6.00
S10HARASS	5250	1.40	0.90	1.00	6.00
S11HARASS	4550	1.40	0.90	1.00	6.00
S12HARASS	4571	1.41	0.91	1.00	6.00



S13HARASS	3717	1.42	0.90	1.00	6.00
S14HARASS	3322	1.43	0.96	1.00	6.00
S15HARASS	2632	1.40	0.90	1.00	6.00
R8PRTRMT	7571	1.28	0.69	1.00	6.00
R9PRTRMT	6940	1.27	0.74	1.00	6.00
R10PRTRMT	8175	1.40	0.92	1.00	6.00
R11PRTRMT	7206	1.27	0.76	1.00	6.00
R12PRTRMT	7380	1.27	0.72	1.00	6.00
R13PRTRMT	6240	1.28	0.74	1.00	6.00
R14PRTRMT	5610	1.28	0.73	1.00	6.00
R15PRTRMT	4590	1.25	0.67	1.00	6.00
S8PRTRMT	5100	1.28	0.66	1.00	6.00
S9PRTRMT	4371	1.27	0.71	1.00	6.00
S10PRTRMT	5250	1.40	0.90	1.00	6.00
S11PRTRMT	4540	1.25	0.70	1.00	6.00
S12PRTRMT	4558	1.26	0.70	1.00	6.00
S13PRTRMT	3721	1.26	0.68	1.00	6.00
S14PRTRMT	3329	1.26	0.66	1.00	6.00
S15PRTRMT	2632	1.23	0.63	1.00	6.00
R9ACTAFD	6946	1.28	0.69	1.00	6.00
R10ACTAFD	8173	1.26	0.67	1.00	6.00
R11ACTAFD	7234	1.27	0.72	1.00	6.00
R12ACTAFD	7398	1.26	0.67	1.00	6.00
R13ACTAFD	6232	1.29	0.70	1.00	6.00
R14ACTAFD	5614	1.27	0.71	1.00	6.00
R15ACTAFD	4590	1.27	0.70	1.00	6.00
S9ACTAFD	4364	1.25	0.63	1.00	6.00
S10ACTAFD	5253	1.25	0.65	1.00	6.00
S11ACTAFD	4553	1.24	0.66	1.00	6.00
S12ACTAFD	4575	1.25	0.66	1.00	6.00
S13ACTAFD	3711	1.25	0.66	1.00	6.00
S14ACTAFD	3335	1.25	0.67	1.00	6.00
S15ACTAFD	2638	1.24	0.65	1.00	6.00
R9DSCRIM	6990	1.55	0.72	1.00	6.00
R10DSCRIM	8222	1.58	0.75	1.00	6.00
R11DSCRIM	7272	1.56	0.74	1.00	6.00
R12DSCRIM	7438	1.55	0.72	1.00	6.00
R13DSCRIM	6282	1.59	0.73	1.00	6.00
R14DSCRIM	5639	1.58	0.74	1.00	6.00
R15DSCRIM	4608	1.55	0.72	1.00	6.00
S9DSCRIM	4389	1.54	0.68	1.00	6.00
S10DSCRIM	5276	1.56	0.72	1.00	6.00
S11DSCRIM	4576	1.53	0.69	1.00	6.00
S12DSCRIM	4591	1.54	0.72	1.00	6.00
S13DSCRIM	3736	1.56	0.70	1.00	6.00
S14DSCRIM	3340	1.56	0.71	1.00	6.00
S15DSCRIM	2643	1.52	0.68	1.00	5.67
R9DSCRIMM	7073	0.11	0.71	0.00	6.00
R10DSCRIMM	8332	0.11	0.74	0.00	6.00
R11DSCRIMM	7412	0.15	0.86	0.00	6.00
R12DSCRIMM	7541	0.12	0.74	0.00	6.00
R13DSCRIMM	6370	0.13	0.76	0.00	6.00
R14DSCRIMM	5738	0.14	0.82	0.00	6.00
R15DSCRIMM	4670	0.11	0.73	0.00	6.00
S9DSCRIMM	4429	0.08	0.61	0.00	6.00

S10DSCRIMM	5335	0.09	0.67	0.00	6.00
S11DSCRIMM	4636	0.11	0.73	0.00	6.00
S12DSCRIMM	4635	0.08	0.61	0.00	6.00
S13DSCRIMM	3780	0.10	0.70	0.00	6.00
S14DSCRIMM	3397	0.13	0.80	0.00	6.00
S15DSCRIMM	2668	0.08	0.61	0.00	6.00
R8DSCRIM5	7622	1.68	0.75	1.00	6.00
R9DSCRIM5	6990	1.60	0.77	1.00	6.00
R10DSCRIM5	8221	1.64	0.82	1.00	6.00
R11DSCRIM5	7268	1.61	0.80	1.00	6.00
R12DSCRIM5	7438	1.61	0.79	1.00	6.00
R13DSCRIM5	6281	1.65	0.79	1.00	6.00
R14DSCRIM5	5639	1.64	0.80	1.00	6.00
R15DSCRIM5	4607	1.61	0.77	1.00	6.00
S8DSCRIM5	5129	1.68	0.73	1.00	6.00
S9DSCRIM5	4389	1.59	0.74	1.00	6.00
S10DSCRIM5	5275	1.62	0.79	1.00	6.00
S11DSCRIM5	4573	1.58	0.75	1.00	6.00
S12DSCRIM5	4591	1.60	0.78	1.00	6.00
S13DSCRIM5	3735	1.62	0.75	1.00	6.00
S14DSCRIM5	3340	1.62	0.77	1.00	6.00
S15DSCRIM5	2642	1.57	0.74	1.00	5.60
R8DSCRIM5M	7730	0.11	0.65	0.00	5.00
R9DSCRIM5M	7073	0.09	0.59	0.00	5.00
R10DSCRIM5M	8332	0.10	0.62	0.00	5.00
R11DSCRIM5M	7412	0.13	0.72	0.00	5.00
R12DSCRIM5M	7541	0.10	0.62	0.00	5.00
R13DSCRIM5M	6370	0.10	0.64	0.00	5.00
R14DSCRIM5M	5738	0.12	0.69	0.00	5.00
R15DSCRIM5M	4670	0.09	0.61	0.00	5.00
S8DSCRIM5M	5190	0.09	0.59	0.00	5.00
S9DSCRIM5M	4429	0.07	0.51	0.00	5.00
S10DSCRIM5M	5335	0.08	0.56	0.00	5.00
S11DSCRIM5M	4636	0.09	0.62	0.00	5.00
S12DSCRIM5M	4635	0.07	0.52	0.00	5.00
S13DSCRIM5M	3780	0.08	0.58	0.00	5.00
S14DSCRIM5M	3397	0.11	0.67	0.00	5.00
S15DSCRIM5M	2668	0.07	0.51	0.00	5.00

## Categorical Variable Codes

Value-----				R8LSRPCT	R9LSRPCT	R10LSRPCT
.c:not in self-completion m				10739	10144	13702
.m:Missing				155	111	145
1.never				2967	3521	4133
2.less than once a year				1844	1434	1630
3.a few times a year				1768	1215	1458
4.a few times a month				512	433	495
5.at least once a week				310	215	268
6.almost everyday				174	144	203
Value-----	R11LSRPCT	R12LSRPCT	R13LSRPCT	R14LSRPCT	R15LSRPCT	
.c:not in self-completion m	13142	11206	14542	11407	11053	
.m:Missing	173	135	135	129	82	
1.never	3723	3769	2911	2785	2339	
2.less than once a year	1401	1490	1333	1201	927	
3.a few times a year	1222	1224	1195	930	832	
4.a few times a month	489	494	392	363	274	
5.at least once a week	264	261	243	174	127	
6.almost everyday	140	168	161	157	89	
Value-----				S8LSRPCT	S9LSRPCT	S10LSRPCT

.c:not in self-completion m			6538	6211	8173
.m:Missing			91	47	79
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.never			1938	2181	2629
2.less than once a year			1301	945	1125
3.a few times a year			1225	778	959
4.a few times a month			328	281	271
5.at least once a week			203	127	167
6.almost everyday			104	70	105

Value-----	S11LSRSPCT	S12LSRSPCT	S13LSRSPCT	S14LSRSPCT	S15LSRSPCT
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	80	58	63	70	31
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.never	2365	2334	1738	1646	1377
2.less than once a year	934	945	822	733	557
3.a few times a year	758	743	729	563	464
4.a few times a month	274	301	232	204	136
5.at least once a week	149	159	120	107	63
6.almost everyday	76	95	76	75	40

Value-----	R8PRSRVC	R9PRSRVC	R10PRSRVC
.c:not in self-completion m	10739	10144	13702
.m:Missing	166	127	161
1.never	4083	4506	5309
2.less than once a year	2018	1353	1608
3.a few times a year	1110	753	882
4.a few times a month	221	217	228
5.at least once a week	95	70	93
6.almost everyday	37	47	51

Value-----	R11PRSRVC	R12PRSRVC	R13PRSRVC	R14PRSRVC	R15PRSRVC
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	182	138	123	132	88
1.never	4773	4832	3948	3549	2947
2.less than once a year	1348	1474	1310	1193	943
3.a few times a year	721	734	690	572	477
4.a few times a month	235	226	179	186	122
5.at least once a week	91	87	83	72	60
6.almost everyday	62	50	37	35	33

Value-----	S8PRSRVC	S9PRSRVC	S10PRSRVC
.c:not in self-completion m	6538	6211	8173
.m:Missing	97	60	78
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
1.never	2651	2773	3410
2.less than once a year	1441	929	1071
3.a few times a year	782	477	571
4.a few times a month	138	127	126
5.at least once a week	62	42	47
6.almost everyday	19	21	32

Value-----	S11PRSRVC	S12PRSRVC	S13PRSRVC	S14PRSRVC	S15PRSRVC
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	81	54	62	71	33
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.never	3011	2957	2348	2078	1700
2.less than once a year	903	941	819	737	571
3.a few times a year	436	460	398	348	260
4.a few times a month	128	141	99	111	63
5.at least once a week	43	52	34	40	29
6.almost everyday	34	30	20	13	12

Value-----	R8NOTSMRT	R9NOTSMRT	R10NOTSMRT
.c:not in self-completion m	10739	10144	13702
.m:Missing	171	129	173
1.never	4292	4022	4735
2.less than once a year	1618	1294	1519
3.a few times a year	1025	976	1113
4.a few times a month	337	338	411
5.at least once a week	167	170	196
6.almost everyday	120	144	185

Value-----	R11NOTSMRT	R12NOTSMRT	R13NOTSMRT	R14NOTSMRT	R15NOTSMRT
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	188	159	148	147	88
1.never	4195	4255	3436	3101	2631
2.less than once a year	1310	1417	1247	1109	836
3.a few times a year	947	1024	885	788	660
4.a few times a month	425	338	328	307	234
5.at least once a week	174	194	180	145	110
6.almost everyday	173	154	146	142	111
Value-----			S8NOTSMRT	S9NOTSMRT	S10NOTSMRT
.c:not in self-completion m			6538	6211	8173
.m:Missing			96	61	93
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.never			2874	2533	3088
2.less than once a year			1157	856	1018
3.a few times a year			678	619	680
4.a few times a month			200	195	243
5.at least once a week			113	89	118
6.almost everyday			72	76	95
Value-----	S11NOTSMRT	S12NOTSMRT	S13NOTSMRT	S14NOTSMRT	S15NOTSMRT
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	88	71	73	80	38
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.never	2698	2671	2088	1859	1570
2.less than once a year	846	899	787	674	470
3.a few times a year	587	609	499	467	377
4.a few times a month	240	182	180	174	112
5.at least once a week	94	118	94	78	50
6.almost everyday	83	85	59	66	51
Value-----			R8HARASS	R9HARASS	R10HARASS
.c:not in self-completion m			10739	10144	13702
.m:Missing			167	134	157
1.never			5851	5595	6453
2.less than once a year			858	661	803
3.a few times a year			556	419	556
4.a few times a month			180	146	194
5.at least once a week			72	68	93
6.almost everyday			46	50	76
Value-----	R11HARASS	R12HARASS	R13HARASS	R14HARASS	R15HARASS
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	190	141	132	138	84
1.never	5716	5847	4789	4365	3615
2.less than once a year	726	751	731	600	484
3.a few times a year	414	459	425	353	294
4.a few times a month	202	191	155	148	92
5.at least once a week	93	87	87	58	56
6.almost everyday	71	65	51	77	45
Value-----			S8HARASS	S9HARASS	S10HARASS
.c:not in self-completion m			6538	6211	8173
.m:Missing			90	68	85
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.never			3865	3456	4122
2.less than once a year			634	443	544
3.a few times a year			399	300	366
4.a few times a month			123	100	117
5.at least once a week			53	34	57
6.almost everyday			26	28	44
Value-----	S11HARASS	S12HARASS	S13HARASS	S14HARASS	S15HARASS
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	86	64	63	76	36
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.never	3554	3570	2819	2560	2045
2.less than once a year	513	484	478	372	296
3.a few times a year	272	305	263	220	184
4.a few times a month	123	122	87	95	56

5.at least once a week	51	57	45	33	27
6.almost everyday	37	33	25	42	24

Value-----			R8PRTRMT	R9PRTRMT	R10PRTRMT
.c:not in self-completion m			10739	10144	13702
.m:Missing			159	133	157
1.never			6134	5788	6453
2.less than once a year			976	743	803
3.a few times a year			322	235	556
4.a few times a month			79	81	194
5.at least once a week			35	51	93
6.almost everyday			25	42	76

Value-----	R11PRTRMT	R12PRTRMT	R13PRTRMT	R14PRTRMT	R15PRTRMT
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	206	161	130	129	80
1.never	6048	6156	5100	4625	3827
2.less than once a year	720	775	775	655	529
3.a few times a year	240	260	207	197	144
4.a few times a month	95	111	78	64	50
5.at least once a week	50	45	46	34	25
6.almost everyday	53	33	34	35	15

Value-----			S8PRTRMT	S9PRTRMT	S10PRTRMT
.c:not in self-completion m			6538	6211	8173
.m:Missing			90	58	85
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.never			4094	3620	4122
2.less than once a year			704	510	544
3.a few times a year			224	143	366
4.a few times a month			45	48	117
5.at least once a week			23	27	57
6.almost everyday			10	23	44

Value-----	S11PRTRMT	S12PRTRMT	S13PRTRMT	S14PRTRMT	S15PRTRMT
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	96	77	59	69	36
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.never	3835	3786	3040	2743	2200
2.less than once a year	465	515	491	412	313
3.a few times a year	143	147	127	113	76
4.a few times a month	46	68	26	36	25
5.at least once a week	24	25	22	15	12
6.almost everyday	27	17	15	10	6

Value-----				R9ACTAFD	R10ACTAFD
.c:not in self-completion m				10144	13702
.m:Missing				127	159
1.never				5690	6746
2.less than once a year				818	966
3.a few times a year				303	324
4.a few times a month				81	78
5.at least once a week				26	21
6.almost everyday				28	38

Value-----	R11ACTAFD	R12ACTAFD	R13ACTAFD	R14ACTAFD	R15ACTAFD
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	178	143	138	125	80
1.never	5977	6119	5044	4627	3791
2.less than once a year	828	838	797	658	515
3.a few times a year	266	305	274	201	192
4.a few times a month	86	91	66	81	50
5.at least once a week	29	22	19	17	23
6.almost everyday	48	23	32	30	19

Value-----				S9ACTAFD	S10ACTAFD
.c:not in self-completion m				6211	8173
.m:Missing				65	82
.u:not coupled				6212	7804
.v:SP NR				365	722
1.never				3591	4336
2.less than once a year				527	649
3.a few times a year				181	191
4.a few times a month				48	43

5.at least once a week						10	12
6.almost everyday						7	22
Value-----		S11ACTAFD	S12ACTAFD	S13ACTAFD	S14ACTAFD	S15ACTAFD	
.c:not in self-completion m		7840	6377	7998	5960	5798	
.m:Missing		83	60	69	63	30	
.u:not coupled		7483	7125	8025	6684	6202	
.v:SP NR		595	610	1109	1104	1055	
1.never		3820	3793	3062	2772	2209	
2.less than once a year		515	532	465	383	293	
3.a few times a year		141	173	126	115	92	
4.a few times a month		41	50	28	45	25	
5.at least once a week		13	8	11	6	12	
6.almost everyday		23	19	19	14	7	

## How Constructed:

RwLSRSPCT indicates how often the respondent is treated with less courtesy or respect than other people in day-to-day life.

RwPRSRVC indicates how often the respondent receives poorer service than other people at restaurants or stores in day-to-day life.

RwNOTSMRT indicates how often the respondent feels other people act as if they think the respondent is not smart in day-to-day life.

RwHARASS indicates how often the respondent feels they are threatened or harassed in day-to-day life.

RwPRTRMT indicates how often the respondent receives poorer service or treatment than other people from doctors or hospitals in day-to-day life.

RwACTAFD indicates how often the respondent feels other people act as if they are afraid of the respondent in day-to-day life.

RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS, RwPRTRMT and RwACTAFD are coded as follows: 1. never, 2. less than once a year, 3. a few times a year, 4. a few times a month, 5. at least once a week and 6. almost everyday. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwLSRSPCT, SwPRSRVC, SwNOTSMRT, SwHARASS, SwPRTRMT and SwACTAFD indicate the respondent's current wave's spouse's level of agreement with statements about daily life discrimination, and their values are taken from the spouse's values to RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS, RwPRTRMT and RwACTAFD. In addition to the special missing codes used in RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS, RwPRTRMT and RwACTAFD, SwLSRSPCT, SwPRSRVC, SwNOTSMRT, SwHARASS, SwPRTRMT and SwACTAFD employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDSCRIM indicates the mean of the six different day-to-day life discrimination questions (RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS, RwPRTRMT and RwACTAFD) and can be used as a summary score. Since RwDSCRIM indicates day-to-day life discrimination, we coded the values of RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS, RwPRTRMT and RwACTAFD to make sure that higher scores indicate more discrimination that the respondent feels. RwDSCRIM is calculated for any respondent with at least one non-missing value for its six components. RwDSCRIMM counts the number of components with missing values in RwDSCRIM, which could be between no missing components (0) and six missing components (6). Special missing .c is assigned to RwDSCRIM and RwDSCRIMM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RwDSCRIM if the respondent is eligible for and completed the leave behind questionnaire but their responses for all six questions are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwDSCRIM and SwDSCRIMM indicate the mean summary score of six different day-to-day life discrimination questions and the count of any missing components for this score for the respondent's current wave's spouse, and their values are taken from the spouse's values to RwDSCRIM and RwDSCRIMM. In addition to the

special missing codes used in RwdSCRIM and RwdSCRIMM, SwDSCRIM and SwDSCRIMM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwdSCRIM5 indicates the mean of the five different day-to-day life discrimination questions (RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS and RwPRTRMT) and can be used as a summary score. Since RwdSCRIM5 indicates day-to-day life discrimination, we coded the values of RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS and RwPRTRMT to make sure that higher scores indicate more discrimination that the respondent feels. RwdSCRIM5 is calculated for any respondent with at least one non-missing value for its five components. RwdSCRIM5M counts the number of components with missing values in RwdSCRIM5, which could be between no missing components (0) and five missing components (5). Special missing .c is assigned to RwdSCRIM5 and RwdSCRIM5M if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RwdSCRIM5 if the respondent is eligible for and completed the leave behind questionnaire but their responses for all five questions are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwDSCRIM5 and SwDSCRIM5M indicate the mean summary score of five different day-to-day life discrimination questions and the count of any missing components for this score for the respondent's current wave's spouse, and their values are taken from the spouse's values to RwdSCRIM5 and RwdSCRIM5M. In addition to the special missing codes used in RwdSCRIM5 and RwdSCRIM5M, SwDSCRIM5 and SwDSCRIM5M employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about how often the respondent feels that they are treated with less courtesy or respect, that they receive poorer service at restaurants, that they feel other people act as if the respondent is not smart, that they feel threatened or harassed, and that they receive poorer service or treatment from doctors or hospitals are asked beginning in Wave 8. The 5 item discrimination summary mean score is available beginning in Wave 8.

Questions about how often the respondent feels other people act as if they are afraid of the respondent in day-to-day life were added in Wave 9; as a result, the 6 item discrimination summary mean score is only available starting in Wave 9.

## HRS Variables Used:

### Wave 8:

KLB030A	q30a. be treated with less respect
KLB030B	q30b. receive poorer service than others
KLB030C	q30c. people act as if you not smart
KLB030D	q30d. people act as if afraid of you
KLB030E	q30e. you are threatened or harassed
KLBCOMP	mode completed leave behind qnaire

### Wave 9:

LLB030A	q30a. be treated with less respect
LLB030B	q30b. receive poorer service than others
LLB030C	q30c. people act as if you not smart
LLB030D	q30d. people act as if afraid of you
LLB030E	q30e. you are threatened or harassed
LLB030F	q30f. worse treatment from doctors
LLBCOMP	mode completed leave behind qnaire

### Wave 10:

MLB030A	q30a. be treated with less respect
MLB030B	q30b. receive poorer service than others
MLB030C	q30c. people act as if you not smart
MLB030D	q30d. people act as if afraid of you
MLB030E	q30e. you are threatened or harassed
MLB030F	q30f. worse treatment from doctors
MLBCOMP	mode completed leave behind qnaire

## Wave 11:

NLB030A q30a. be treated with less respect  
NLB030B q30b. receive poorer service than others  
NLB030C q30c. people act as if you not smart  
NLB030D q30d. people act as if afraid of you  
NLB030E q30e. you are threatened or harassed  
NLB030F q30f. worse treatment from doctors  
NLBCOMP mode completed leave behind qnaire

## Wave 12:

OLB029A q29a. be treated with less respect  
OLB029B q29b. receive poorer service than others  
OLB029C q29c. people act as if you not smart  
OLB029D q29d. people act as if afraid of you  
OLB029E q29e. you are threatened or harassed  
OLB029F q29f. worse treatment from doctors  
OLBCOMP mode completed leave behind qnaire

## Wave 13:

PLB029A q29a. be treated with less respect  
PLB029B q29b. receive poorer service than others  
PLB029C q29c. people act as if you not smart  
PLB029D q29d. people act as if afraid of you  
PLB029E q29e. you are threatened or harassed  
PLB029F q29f. worse treatment from doctors  
PLBCOMP mode completed leave behind qnaire

## Wave 14:

QLB029A q29a. be treated with less respect  
QLB029B q29b. receive poorer service  
QLB029C q29c. people act as if you not smart  
QLB029D q29d. people act as if afraid of you  
QLB029E q29e. threatened or harassed  
QLB029F q29f. worse treatment fr doctors  
QLBCOMP mode completed leave behind qnaire

## Wave 15:

RLB029A q29a. be treated with less respect  
RLB029B q29b. receive poorer service  
RLB029C q29c. people act as if you not smart  
RLB029D q29d. people act as if afraid of you  
RLB029E q29e. threatened or harassed  
RLB029F q29f. worse treatment fr doctors  
RLBCOMP mode completed leave behind qnaire



<b>Reasons for Everyday Discrimination</b>
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Wave	Variable	Label	Type
08	R8DCORIGN	r8dcorign:w8 r discrimination reason:ancestry or national or	Categ
09	R9DCORIGN	r9dcorign:w9 r discrimination reason:ancestry or national or	Categ
10	R10DCORIGN	r10dcorign:w10 r discrimination reason:ancestry or national or	Categ
11	R11DCORIGN	r11dcorign:w11 r discrimination reason:ancestry or national or	Categ
12	R12DCORIGN	r12dcorign:w12 r discrimination reason:ancestry or national or	Categ
13	R13DCORIGN	r13dcorign:w13 r discrimination reason:ancestry or national or	Categ
14	R14DCORIGN	r14dcorign:w14 r discrimination reason:ancestry or national or	Categ
15	R15DCORIGN	r15dcorign:w15 r discrimination reason:ancestry or national or	Categ
08	S8DCORIGN	s8dcorign:w8 s discrimination reason:ancestry or national or	Categ
09	S9DCORIGN	s9dcorign:w9 s discrimination reason:ancestry or national or	Categ
10	S10DCORIGN	s10dcorign:w10 s discrimination reason:ancestry or national or	Categ
11	S11DCORIGN	s11dcorign:w11 s discrimination reason:ancestry or national or	Categ
12	S12DCORIGN	s12dcorign:w12 s discrimination reason:ancestry or national or	Categ
13	S13DCORIGN	s13dcorign:w13 s discrimination reason:ancestry or national or	Categ
14	S14DCORIGN	s14dcorign:w14 s discrimination reason:ancestry or national or	Categ
15	S15DCORIGN	s15dcorign:w15 s discrimination reason:ancestry or national or	Categ
08	R8DCGENDR	r8dcgendr:w8 r discrimination reason:gender	Categ
09	R9DCGENDR	r9dcgendr:w9 r discrimination reason:gender	Categ
10	R10DCGENDR	r10dcgendr:w10 r discrimination reason:gender	Categ
11	R11DCGENDR	r11dcgendr:w11 r discrimination reason:gender	Categ
12	R12DCGENDR	r12dcgendr:w12 r discrimination reason:gender	Categ
13	R13DCGENDR	r13dcgendr:w13 r discrimination reason:gender	Categ
14	R14DCGENDR	r14dcgendr:w14 r discrimination reason:gender	Categ
15	R15DCGENDR	r15dcgendr:w15 r discrimination reason:gender	Categ
08	S8DCGENDR	s8dcgendr:w8 s discrimination reason:gender	Categ
09	S9DCGENDR	s9dcgendr:w9 s discrimination reason:gender	Categ
10	S10DCGENDR	s10dcgendr:w10 s discrimination reason:gender	Categ
11	S11DCGENDR	s11dcgendr:w11 s discrimination reason:gender	Categ
12	S12DCGENDR	s12dcgendr:w12 s discrimination reason:gender	Categ
13	S13DCGENDR	s13dcgendr:w13 s discrimination reason:gender	Categ
14	S14DCGENDR	s14dcgendr:w14 s discrimination reason:gender	Categ
15	S15DCGENDR	s15dcgendr:w15 s discrimination reason:gender	Categ
08	R8DCRACE	r8dcrace:w8 r discrimination reason:race	Categ
09	R9DCRACE	r9dcrace:w9 r discrimination reason:race	Categ
10	R10DCRACE	r10dcrace:w10 r discrimination reason:race	Categ
11	R11DCRACE	r11dcrace:w11 r discrimination reason:race	Categ
12	R12DCRACE	r12dcrace:w12 r discrimination reason:race	Categ
13	R13DCRACE	r13dcrace:w13 r discrimination reason:race	Categ
14	R14DCRACE	r14dcrace:w14 r discrimination reason:race	Categ
15	R15DCRACE	r15dcrace:w15 r discrimination reason:race	Categ
08	S8DCRACE	s8dcrace:w8 s discrimination reason:race	Categ
09	S9DCRACE	s9dcrace:w9 s discrimination reason:race	Categ
10	S10DCRACE	s10dcrace:w10 s discrimination reason:race	Categ
11	S11DCRACE	s11dcrace:w11 s discrimination reason:race	Categ
12	S12DCRACE	s12dcrace:w12 s discrimination reason:race	Categ
13	S13DCRACE	s13dcrace:w13 s discrimination reason:race	Categ
14	S14DCRACE	s14dcrace:w14 s discrimination reason:race	Categ
15	S15DCRACE	s15dcrace:w15 s discrimination reason:race	Categ
08	R8DCAGE	r8dcage:w8 r discrimination reason:age	Categ
09	R9DCAGE	r9dcage:w9 r discrimination reason:age	Categ
10	R10DCAGE	r10dcage:w10 r discrimination reason:age	Categ

11	R11DCAGE	r11dcage:w11	r	discrimination	reason:age	Categ
12	R12DCAGE	r12dcage:w12	r	discrimination	reason:age	Categ
13	R13DCAGE	r13dcage:w13	r	discrimination	reason:age	Categ
14	R14DCAGE	r14dcage:w14	r	discrimination	reason:age	Categ
15	R15DCAGE	r15dcage:w15	r	discrimination	reason:age	Categ
08	S8DCAGE	s8dcage:w8	s	discrimination	reason:age	Categ
09	S9DCAGE	s9dcage:w9	s	discrimination	reason:age	Categ
10	S10DCAGE	s10dcage:w10	s	discrimination	reason:age	Categ
11	S11DCAGE	s11dcage:w11	s	discrimination	reason:age	Categ
12	S12DCAGE	s12dcage:w12	s	discrimination	reason:age	Categ
13	S13DCAGE	s13dcage:w13	s	discrimination	reason:age	Categ
14	S14DCAGE	s14dcage:w14	s	discrimination	reason:age	Categ
15	S15DCAGE	s15dcage:w15	s	discrimination	reason:age	Categ
09	R9DCRLGON	r9dcrlgon:w9	r	discrimination	reason:religion	Categ
10	R10DCRLGON	r10dcrlgon:w10	r	discrimination	reason:religion	Categ
11	R11DCRLGON	r11dcrlgon:w11	r	discrimination	reason:religion	Categ
12	R12DCRLGON	r12dcrlgon:w12	r	discrimination	reason:religion	Categ
13	R13DCRLGON	r13dcrlgon:w13	r	discrimination	reason:religion	Categ
14	R14DCRLGON	r14dcrlgon:w14	r	discrimination	reason:religion	Categ
15	R15DCRLGON	r15dcrlgon:w15	r	discrimination	reason:religion	Categ
09	S9DCRLGON	s9dcrlgon:w9	s	discrimination	reason:religion	Categ
10	S10DCRLGON	s10dcrlgon:w10	s	discrimination	reason:religion	Categ
11	S11DCRLGON	s11dcrlgon:w11	s	discrimination	reason:religion	Categ
12	S12DCRLGON	s12dcrlgon:w12	s	discrimination	reason:religion	Categ
13	S13DCRLGON	s13dcrlgon:w13	s	discrimination	reason:religion	Categ
14	S14DCRLGON	s14dcrlgon:w14	s	discrimination	reason:religion	Categ
15	S15DCRLGON	s15dcrlgon:w15	s	discrimination	reason:religion	Categ
08	R8DCWEGT	r8dcwegt:w8	r	discrimination	reason:weight	Categ
09	R9DCWEGT	r9dcwegt:w9	r	discrimination	reason:weight	Categ
10	R10DCWEGT	r10dcwegt:w10	r	discrimination	reason:weight	Categ
11	R11DCWEGT	r11dcwegt:w11	r	discrimination	reason:weight	Categ
12	R12DCWEGT	r12dcwegt:w12	r	discrimination	reason:weight	Categ
13	R13DCWEGT	r13dcwegt:w13	r	discrimination	reason:weight	Categ
14	R14DCWEGT	r14dcwegt:w14	r	discrimination	reason:weight	Categ
15	R15DCWEGT	r15dcwegt:w15	r	discrimination	reason:weight	Categ
08	S8DCWEGT	s8dcwegt:w8	s	discrimination	reason:weight	Categ
09	S9DCWEGT	s9dcwegt:w9	s	discrimination	reason:weight	Categ
10	S10DCWEGT	s10dcwegt:w10	s	discrimination	reason:weight	Categ
11	S11DCWEGT	s11dcwegt:w11	s	discrimination	reason:weight	Categ
12	S12DCWEGT	s12dcwegt:w12	s	discrimination	reason:weight	Categ
13	S13DCWEGT	s13dcwegt:w13	s	discrimination	reason:weight	Categ
14	S14DCWEGT	s14dcwegt:w14	s	discrimination	reason:weight	Categ
15	S15DCWEGT	s15dcwegt:w15	s	discrimination	reason:weight	Categ
08	R8DCDSTAT	r8dcdstat:w8	r	discrimination	reason:physical disability	Categ
09	R9DCDSTAT	r9dcdstat:w9	r	discrimination	reason:physical disability	Categ
10	R10DCDSTAT	r10dcdstat:w10	r	discrimination	reason:physical disability	Categ
11	R11DCDSTAT	r11dcdstat:w11	r	discrimination	reason:physical disability	Categ
12	R12DCDSTAT	r12dcdstat:w12	r	discrimination	reason:physical disability	Categ
13	R13DCDSTAT	r13dcdstat:w13	r	discrimination	reason:physical disability	Categ
14	R14DCDSTAT	r14dcdstat:w14	r	discrimination	reason:physical disability	Categ
15	R15DCDSTAT	r15dcdstat:w15	r	discrimination	reason:physical disability	Categ
08	S8DCDSTAT	s8dcdstat:w8	s	discrimination	reason:physical disability	Categ
09	S9DCDSTAT	s9dcdstat:w9	s	discrimination	reason:physical disability	Categ
10	S10DCDSTAT	s10dcdstat:w10	s	discrimination	reason:physical disability	Categ
11	S11DCDSTAT	s11dcdstat:w11	s	discrimination	reason:physical disability	Categ
12	S12DCDSTAT	s12dcdstat:w12	s	discrimination	reason:physical disability	Categ

13	S13DCDSTAT	s13dcdstat:w13	s	discrimination	reason:physical disability	Categ
14	S14DCDSTAT	s14dcdstat:w14	s	discrimination	reason:physical disability	Categ
15	S15DCDSTAT	s15dcdstat:w15	s	discrimination	reason:physical disability	Categ
08	R8DCAPRNC	r8dcaprnc:w8	r	discrimination	reason:other aspect of your ph	Categ
09	R9DCAPRNC	r9dcaprnc:w9	r	discrimination	reason:other aspect of your ph	Categ
10	R10DCAPRNC	r10dcaprnc:w10	r	discrimination	reason:other aspect of your	Categ
11	R11DCAPRNC	r11dcaprnc:w11	r	discrimination	reason:other aspect of your	Categ
12	R12DCAPRNC	r12dcaprnc:w12	r	discrimination	reason:other aspect of your	Categ
13	R13DCAPRNC	r13dcaprnc:w13	r	discrimination	reason:other aspect of your	Categ
14	R14DCAPRNC	r14dcaprnc:w14	r	discrimination	reason:other aspect of your	Categ
15	R15DCAPRNC	r15dcaprnc:w15	r	discrimination	reason:other aspect of your	Categ
08	S8DCAPRNC	s8dcaprnc:w8	s	discrimination	reason:other aspect of your ph	Categ
09	S9DCAPRNC	s9dcaprnc:w9	s	discrimination	reason:other aspect of your ph	Categ
10	S10DCAPRNC	s10dcaprnc:w10	s	discrimination	reason:other aspect of your	Categ
11	S11DCAPRNC	s11dcaprnc:w11	s	discrimination	reason:other aspect of your	Categ
12	S12DCAPRNC	s12dcaprnc:w12	s	discrimination	reason:other aspect of your	Categ
13	S13DCAPRNC	s13dcaprnc:w13	s	discrimination	reason:other aspect of your	Categ
14	S14DCAPRNC	s14dcaprnc:w14	s	discrimination	reason:other aspect of your	Categ
15	S15DCAPRNC	s15dcaprnc:w15	s	discrimination	reason:other aspect of your	Categ
08	R8DCSXORI	r8dcsxori:w8	r	discrimination	reason:sexual orientation	Categ
09	R9DCSXORI	r9dcsxori:w9	r	discrimination	reason:sexual orientation	Categ
10	R10DCSXORI	r10dcsxori:w10	r	discrimination	reason:sexual orientation	Categ
11	R11DCSXORI	r11dcsxori:w11	r	discrimination	reason:sexual orientation	Categ
12	R12DCSXORI	r12dcsxori:w12	r	discrimination	reason:sexual orientation	Categ
13	R13DCSXORI	r13dcsxori:w13	r	discrimination	reason:sexual orientation	Categ
14	R14DCSXORI	r14dcsxori:w14	r	discrimination	reason:sexual orientation	Categ
15	R15DCSXORI	r15dcsxori:w15	r	discrimination	reason:sexual orientation	Categ
08	S8DCSXORI	s8dcsxori:w8	s	discrimination	reason:sexual orientation	Categ
09	S9DCSXORI	s9dcsxori:w9	s	discrimination	reason:sexual orientation	Categ
10	S10DCSXORI	s10dcsxori:w10	s	discrimination	reason:sexual orientation	Categ
11	S11DCSXORI	s11dcsxori:w11	s	discrimination	reason:sexual orientation	Categ
12	S12DCSXORI	s12dcsxori:w12	s	discrimination	reason:sexual orientation	Categ
13	S13DCSXORI	s13dcsxori:w13	s	discrimination	reason:sexual orientation	Categ
14	S14DCSXORI	s14dcsxori:w14	s	discrimination	reason:sexual orientation	Categ
15	S15DCSXORI	s15dcsxori:w15	s	discrimination	reason:sexual orientation	Categ
09	R9DCFINAN	r9dcfinan:w9	r	discrimination	reason:financial status	Categ
10	R10DCFINAN	r10dcfinan:w10	r	discrimination	reason:financial status	Categ
11	R11DCFINAN	r11dcfinan:w11	r	discrimination	reason:financial status	Categ
12	R12DCFINAN	r12dcfinan:w12	r	discrimination	reason:financial status	Categ
13	R13DCFINAN	r13dcfinan:w13	r	discrimination	reason:financial status	Categ
14	R14DCFINAN	r14dcfinan:w14	r	discrimination	reason:financial status	Categ
15	R15DCFINAN	r15dcfinan:w15	r	discrimination	reason:financial status	Categ
09	S9DCFINAN	s9dcfinan:w9	s	discrimination	reason:financial status	Categ
10	S10DCFINAN	s10dcfinan:w10	s	discrimination	reason:financial status	Categ
11	S11DCFINAN	s11dcfinan:w11	s	discrimination	reason:financial status	Categ
12	S12DCFINAN	s12dcfinan:w12	s	discrimination	reason:financial status	Categ
13	S13DCFINAN	s13dcfinan:w13	s	discrimination	reason:financial status	Categ
14	S14DCFINAN	s14dcfinan:w14	s	discrimination	reason:financial status	Categ
15	S15DCFINAN	s15dcfinan:w15	s	discrimination	reason:financial status	Categ
08	R8DCOTHER	r8dcother:w8	r	discrimination	reason:other	Categ
09	R9DCOTHER	r9dcother:w9	r	discrimination	reason:other	Categ
10	R10DCOTHER	r10dcother:w10	r	discrimination	reason:other	Categ
11	R11DCOTHER	r11dcother:w11	r	discrimination	reason:other	Categ
12	R12DCOTHER	r12dcother:w12	r	discrimination	reason:other	Categ
13	R13DCOTHER	r13dcother:w13	r	discrimination	reason:other	Categ
14	R14DCOTHER	r14dcother:w14	r	discrimination	reason:other	Categ

15	R15DCOTHER	r15dcother:w15	r	discrimination reason:other	Categ
08	S8DCOTHER	s8dcother:w8	s	discrimination reason:other	Categ
09	S9DCOTHER	s9dcother:w9	s	discrimination reason:other	Categ
10	S10DCOTHER	s10dcother:w10	s	discrimination reason:other	Categ
11	S11DCOTHER	s11dcother:w11	s	discrimination reason:other	Categ
12	S12DCOTHER	s12dcother:w12	s	discrimination reason:other	Categ
13	S13DCOTHER	s13dcother:w13	s	discrimination reason:other	Categ
14	S14DCOTHER	s14dcother:w14	s	discrimination reason:other	Categ
15	S15DCOTHER	s15dcother:w15	s	discrimination reason:other	Categ
08	R8DCREAS	r8dcreas:w8	r	number reasons for discrimination	Cont
09	R9DCREAS	r9dcreas:w9	r	number reasons for discrimination	Cont
10	R10DCREAS	r10dcreas:w10	r	number reasons for discrimination	Cont
11	R11DCREAS	r11dcreas:w11	r	number reasons for discrimination	Cont
12	R12DCREAS	r12dcreas:w12	r	number reasons for discrimination	Cont
13	R13DCREAS	r13dcreas:w13	r	number reasons for discrimination	Cont
14	R14DCREAS	r14dcreas:w14	r	number reasons for discrimination	Cont
15	R15DCREAS	r15dcreas:w15	r	number reasons for discrimination	Cont
08	S8DCREAS	s8dcreas:w8	s	number reasons for discrimination	Cont
09	S9DCREAS	s9dcreas:w9	s	number reasons for discrimination	Cont
10	S10DCREAS	s10dcreas:w10	s	number reasons for discrimination	Cont
11	S11DCREAS	s11dcreas:w11	s	number reasons for discrimination	Cont
12	S12DCREAS	s12dcreas:w12	s	number reasons for discrimination	Cont
13	S13DCREAS	s13dcreas:w13	s	number reasons for discrimination	Cont
14	S14DCREAS	s14dcreas:w14	s	number reasons for discrimination	Cont
15	S15DCREAS	s15dcreas:w15	s	number reasons for discrimination	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8DCORIGN	4621	0.11	0.31	0.00	1.00
R9DCORIGN	3730	0.13	0.33	0.00	1.00
R10DCORIGN	4389	0.13	0.33	0.00	1.00
R11DCORIGN	3860	0.14	0.35	0.00	1.00
R12DCORIGN	3909	0.14	0.35	0.00	1.00
R13DCORIGN	3536	0.16	0.36	0.00	1.00
R14DCORIGN	3252	0.14	0.35	0.00	1.00
R15DCORIGN	2590	0.16	0.36	0.00	1.00
S8DCORIGN	3084	0.10	0.30	0.00	1.00
S9DCORIGN	2301	0.12	0.33	0.00	1.00
S10DCORIGN	2752	0.11	0.32	0.00	1.00
S11DCORIGN	2353	0.13	0.34	0.00	1.00
S12DCORIGN	2373	0.13	0.34	0.00	1.00
S13DCORIGN	2037	0.15	0.36	0.00	1.00
S14DCORIGN	1890	0.13	0.33	0.00	1.00
S15DCORIGN	1443	0.15	0.35	0.00	1.00
R8DCGENDR	4621	0.21	0.41	0.00	1.00
R9DCGENDR	3730	0.22	0.41	0.00	1.00
R10DCGENDR	4389	0.22	0.41	0.00	1.00
R11DCGENDR	3860	0.20	0.40	0.00	1.00
R12DCGENDR	3909	0.22	0.42	0.00	1.00
R13DCGENDR	3536	0.22	0.42	0.00	1.00
R14DCGENDR	3252	0.22	0.42	0.00	1.00
R15DCGENDR	2590	0.23	0.42	0.00	1.00
S8DCGENDR	3084	0.21	0.41	0.00	1.00
S9DCGENDR	2301	0.21	0.41	0.00	1.00
S10DCGENDR	2752	0.20	0.40	0.00	1.00

S11DCGENDR	2353	0.19	0.39	0.00	1.00
S12DCGENDR	2373	0.21	0.41	0.00	1.00
S13DCGENDR	2037	0.21	0.41	0.00	1.00
S14DCGENDR	1890	0.21	0.41	0.00	1.00
S15DCGENDR	1443	0.22	0.42	0.00	1.00
R8DCRACE	4621	0.17	0.37	0.00	1.00
R9DCRACE	3730	0.18	0.38	0.00	1.00
R10DCRACE	4389	0.21	0.41	0.00	1.00
R11DCRACE	3860	0.21	0.41	0.00	1.00
R12DCRACE	3909	0.22	0.42	0.00	1.00
R13DCRACE	3536	0.25	0.43	0.00	1.00
R14DCRACE	3252	0.25	0.43	0.00	1.00
R15DCRACE	2590	0.28	0.45	0.00	1.00
S8DCRACE	3084	0.15	0.35	0.00	1.00
S9DCRACE	2301	0.16	0.37	0.00	1.00
S10DCRACE	2752	0.18	0.38	0.00	1.00
S11DCRACE	2353	0.19	0.40	0.00	1.00
S12DCRACE	2373	0.20	0.40	0.00	1.00
S13DCRACE	2037	0.23	0.42	0.00	1.00
S14DCRACE	1890	0.23	0.42	0.00	1.00
S15DCRACE	1443	0.26	0.44	0.00	1.00
R8DCAGE	4621	0.50	0.50	0.00	1.00
R9DCAGE	3730	0.54	0.50	0.00	1.00
R10DCAGE	4389	0.51	0.50	0.00	1.00
R11DCAGE	3860	0.51	0.50	0.00	1.00
R12DCAGE	3909	0.53	0.50	0.00	1.00
R13DCAGE	3536	0.51	0.50	0.00	1.00
R14DCAGE	3252	0.50	0.50	0.00	1.00
R15DCAGE	2590	0.52	0.50	0.00	1.00
S8DCAGE	3084	0.47	0.50	0.00	1.00
S9DCAGE	2301	0.52	0.50	0.00	1.00
S10DCAGE	2752	0.49	0.50	0.00	1.00
S11DCAGE	2353	0.49	0.50	0.00	1.00
S12DCAGE	2373	0.52	0.50	0.00	1.00
S13DCAGE	2037	0.50	0.50	0.00	1.00
S14DCAGE	1890	0.49	0.50	0.00	1.00
S15DCAGE	1443	0.50	0.50	0.00	1.00
R9DCRLGON	3730	0.09	0.29	0.00	1.00
R10DCRLGON	4389	0.08	0.27	0.00	1.00
R11DCRLGON	3860	0.08	0.27	0.00	1.00
R12DCRLGON	3909	0.08	0.27	0.00	1.00
R13DCRLGON	3536	0.08	0.28	0.00	1.00
R14DCRLGON	3252	0.08	0.28	0.00	1.00
R15DCRLGON	2590	0.07	0.25	0.00	1.00
S9DCRLGON	2301	0.09	0.29	0.00	1.00
S10DCRLGON	2752	0.08	0.27	0.00	1.00
S11DCRLGON	2353	0.07	0.26	0.00	1.00
S12DCRLGON	2373	0.08	0.27	0.00	1.00
S13DCRLGON	2037	0.08	0.27	0.00	1.00
S14DCRLGON	1890	0.08	0.27	0.00	1.00
S15DCRLGON	1443	0.07	0.25	0.00	1.00
R8DCWEGT	4621	0.13	0.34	0.00	1.00
R9DCWEGT	3730	0.16	0.37	0.00	1.00
R10DCWEGT	4389	0.19	0.39	0.00	1.00
R11DCWEGT	3860	0.17	0.38	0.00	1.00
R12DCWEGT	3909	0.17	0.37	0.00	1.00

R13DCWEGT	3536	0.18	0.39	0.00	1.00
R14DCWEGT	3252	0.17	0.37	0.00	1.00
R15DCWEGT	2590	0.17	0.38	0.00	1.00
S8DCWEGT	3084	0.13	0.34	0.00	1.00
S9DCWEGT	2301	0.15	0.36	0.00	1.00
S10DCWEGT	2752	0.18	0.39	0.00	1.00
S11DCWEGT	2353	0.15	0.36	0.00	1.00
S12DCWEGT	2373	0.16	0.37	0.00	1.00
S13DCWEGT	2037	0.17	0.38	0.00	1.00
S14DCWEGT	1890	0.17	0.37	0.00	1.00
S15DCWEGT	1443	0.16	0.37	0.00	1.00
R8DCDSTAT	4621	0.12	0.32	0.00	1.00
R9DCDSTAT	3730	0.15	0.35	0.00	1.00
R10DCDSTAT	4389	0.15	0.35	0.00	1.00
R11DCDSTAT	3860	0.15	0.36	0.00	1.00
R12DCDSTAT	3909	0.14	0.35	0.00	1.00
R13DCDSTAT	3536	0.14	0.35	0.00	1.00
R14DCDSTAT	3252	0.15	0.35	0.00	1.00
R15DCDSTAT	2590	0.14	0.35	0.00	1.00
S8DCDSTAT	3084	0.10	0.30	0.00	1.00
S9DCDSTAT	2301	0.12	0.33	0.00	1.00
S10DCDSTAT	2752	0.13	0.34	0.00	1.00
S11DCDSTAT	2353	0.12	0.33	0.00	1.00
S12DCDSTAT	2373	0.13	0.33	0.00	1.00
S13DCDSTAT	2037	0.12	0.32	0.00	1.00
S14DCDSTAT	1890	0.13	0.33	0.00	1.00
S15DCDSTAT	1443	0.11	0.31	0.00	1.00
R8DCAPRNC	4621	0.10	0.30	0.00	1.00
R9DCAPRNC	3730	0.16	0.37	0.00	1.00
R10DCAPRNC	4389	0.19	0.39	0.00	1.00
R11DCAPRNC	3860	0.17	0.38	0.00	1.00
R12DCAPRNC	3909	0.17	0.37	0.00	1.00
R13DCAPRNC	3536	0.19	0.39	0.00	1.00
R14DCAPRNC	3252	0.17	0.37	0.00	1.00
R15DCAPRNC	2590	0.16	0.37	0.00	1.00
S8DCAPRNC	3084	0.10	0.30	0.00	1.00
S9DCAPRNC	2301	0.16	0.37	0.00	1.00
S10DCAPRNC	2752	0.18	0.38	0.00	1.00
S11DCAPRNC	2353	0.17	0.37	0.00	1.00
S12DCAPRNC	2373	0.17	0.37	0.00	1.00
S13DCAPRNC	2037	0.18	0.38	0.00	1.00
S14DCAPRNC	1890	0.17	0.38	0.00	1.00
S15DCAPRNC	1443	0.15	0.35	0.00	1.00
R8DCSXORI	4621	0.03	0.16	0.00	1.00
R9DCSXORI	3730	0.04	0.20	0.00	1.00
R10DCSXORI	4389	0.04	0.19	0.00	1.00
R11DCSXORI	3860	0.03	0.17	0.00	1.00
R12DCSXORI	3909	0.04	0.19	0.00	1.00
R13DCSXORI	3536	0.04	0.19	0.00	1.00
R14DCSXORI	3252	0.04	0.18	0.00	1.00
R15DCSXORI	2590	0.04	0.20	0.00	1.00
S8DCSXORI	3084	0.03	0.16	0.00	1.00
S9DCSXORI	2301	0.04	0.19	0.00	1.00
S10DCSXORI	2752	0.03	0.17	0.00	1.00
S11DCSXORI	2353	0.02	0.15	0.00	1.00
S12DCSXORI	2373	0.03	0.17	0.00	1.00

S13DCSXORI	2037	0.04	0.19	0.00	1.00
S14DCSXORI	1890	0.03	0.16	0.00	1.00
S15DCSXORI	1443	0.04	0.18	0.00	1.00
R9DCFINAN	3635	0.19	0.39	0.00	1.00
R10DCFINAN	4239	0.18	0.39	0.00	1.00
R11DCFINAN	3743	0.20	0.40	0.00	1.00
R12DCFINAN	3771	0.14	0.35	0.00	1.00
R13DCFINAN	3450	0.14	0.34	0.00	1.00
R14DCFINAN	3174	0.19	0.39	0.00	1.00
R15DCFINAN	2543	0.16	0.37	0.00	1.00
S9DCFINAN	2236	0.20	0.40	0.00	1.00
S10DCFINAN	2651	0.19	0.39	0.00	1.00
S11DCFINAN	2276	0.21	0.41	0.00	1.00
S12DCFINAN	2288	0.16	0.36	0.00	1.00
S13DCFINAN	1984	0.15	0.36	0.00	1.00
S14DCFINAN	1844	0.19	0.39	0.00	1.00
S15DCFINAN	1415	0.18	0.38	0.00	1.00
R8DCOTHER	4621	0.22	0.41	0.00	1.00
R9DCOTHER	3730	0.19	0.39	0.00	1.00
R10DCOTHER	4389	0.18	0.38	0.00	1.00
R11DCOTHER	3860	0.19	0.40	0.00	1.00
R12DCOTHER	3909	0.14	0.35	0.00	1.00
R13DCOTHER	3536	0.13	0.34	0.00	1.00
R14DCOTHER	3252	0.19	0.39	0.00	1.00
R15DCOTHER	2590	0.16	0.37	0.00	1.00
S8DCOTHER	3084	0.24	0.43	0.00	1.00
S9DCOTHER	2301	0.20	0.40	0.00	1.00
S10DCOTHER	2752	0.18	0.39	0.00	1.00
S11DCOTHER	2353	0.20	0.40	0.00	1.00
S12DCOTHER	2373	0.15	0.36	0.00	1.00
S13DCOTHER	2037	0.15	0.35	0.00	1.00
S14DCOTHER	1890	0.18	0.39	0.00	1.00
S15DCOTHER	1443	0.17	0.38	0.00	1.00
R8DCREAS	5353	1.29	1.10	0.00	9.00
R9DCREAS	4362	1.62	1.49	0.00	11.00
R10DCREAS	5129	1.65	1.51	0.00	11.00
R11DCREAS	4459	1.67	1.44	0.00	11.00
R12DCREAS	4579	1.58	1.45	0.00	11.00
R13DCREAS	4126	1.65	1.44	0.00	11.00
R14DCREAS	3602	1.76	1.47	0.00	10.00
R15DCREAS	2884	1.75	1.49	0.00	11.00
S8DCREAS	3664	1.22	1.06	0.00	9.00
S9DCREAS	2744	1.55	1.41	0.00	11.00
S10DCREAS	3285	1.55	1.42	0.00	11.00
S11DCREAS	2748	1.57	1.35	0.00	11.00
S12DCREAS	2807	1.52	1.38	0.00	11.00
S13DCREAS	2414	1.57	1.38	0.00	11.00
S14DCREAS	2123	1.68	1.37	0.00	9.00
S15DCREAS	1617	1.65	1.42	0.00	11.00

### Categorical Variable Codes

Value-----	R8DCORIGN	R9DCORIGN	R10DCORIGN
.c:not in self-completion m	10739	10144	13702
.m:Missing	1087	939	1110
.n:does not apply	2022	2404	2833
0.no	4128	3262	3832

1.yes				493	468	557
Value-----	R11DCORIGN	R12DCORIGN	R13DCORIGN	R14DCORIGN	R15DCORIGN	
.c:not in self-completion m	13142	11206	14542	11407	11053	
.m:Missing	939	1008	872	650	524	
.n:does not apply	2613	2624	1962	1837	1556	
0.no	3323	3361	2984	2787	2188	
1.yes	537	548	552	465	402	
Value-----			S8DCORIGN	S9DCORIGN	S10DCORIGN	
.c:not in self-completion m			6538	6211	8173	
.m:Missing			783	594	735	
.n:does not apply			1323	1534	1848	
.u:not coupled			6424	6212	7804	
.v:SP NR			317	365	722	
0.no			2768	2020	2439	
1.yes			316	281	313	
Value-----	S11DCORIGN	S12DCORIGN	S13DCORIGN	S14DCORIGN	S15DCORIGN	
.c:not in self-completion m	7840	6377	7998	5960	5798	
.m:Missing	577	604	525	398	295	
.n:does not apply	1706	1658	1218	1110	930	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
0.no	2037	2058	1723	1649	1233	
1.yes	316	315	314	241	210	
Value-----			R8DCGENDR	R9DCGENDR	R10DCGENDR	
.c:not in self-completion m			10739	10144	13702	
.m:Missing			1087	939	1110	
.n:does not apply			2022	2404	2833	
0.no			3631	2918	3428	
1.yes			990	812	961	
Value-----	R11DCGENDR	R12DCGENDR	R13DCGENDR	R14DCGENDR	R15DCGENDR	
.c:not in self-completion m	13142	11206	14542	11407	11053	
.m:Missing	939	1008	872	650	524	
.n:does not apply	2613	2624	1962	1837	1556	
0.no	3082	3030	2748	2525	1995	
1.yes	778	879	788	727	595	
Value-----			S8DCGENDR	S9DCGENDR	S10DCGENDR	
.c:not in self-completion m			6538	6211	8173	
.m:Missing			783	594	735	
.n:does not apply			1323	1534	1848	
.u:not coupled			6424	6212	7804	
.v:SP NR			317	365	722	
0.no			2428	1821	2190	
1.yes			656	480	562	
Value-----	S11DCGENDR	S12DCGENDR	S13DCGENDR	S14DCGENDR	S15DCGENDR	
.c:not in self-completion m	7840	6377	7998	5960	5798	
.m:Missing	577	604	525	398	295	
.n:does not apply	1706	1658	1218	1110	930	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
0.no	1912	1873	1609	1487	1124	
1.yes	441	500	428	403	319	
Value-----			R8DCRACE	R9DCRACE	R10DCRACE	
.c:not in self-completion m			10739	10144	13702	
.m:Missing			1087	939	1110	
.n:does not apply			2022	2404	2833	
0.no			3857	3064	3459	
1.yes			764	666	930	
Value-----	R11DCRACE	R12DCRACE	R13DCRACE	R14DCRACE	R15DCRACE	
.c:not in self-completion m	13142	11206	14542	11407	11053	
.m:Missing	939	1008	872	650	524	
.n:does not apply	2613	2624	1962	1837	1556	
0.no	3050	3034	2648	2440	1857	
1.yes	810	875	888	812	733	
Value-----			S8DCRACE	S9DCRACE	S10DCRACE	
.c:not in self-completion m			6538	6211	8173	
.m:Missing			783	594	735	



.n:does not apply			1323	1534	1848
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			2635	1934	2259
1.yes			449	367	493
Value-----	S11DCRACE	S12DCRACE	S13DCRACE	S14DCRACE	S15DCRACE
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	577	604	525	398	295
.n:does not apply	1706	1658	1218	1110	930
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	1897	1891	1567	1457	1062
1.yes	456	482	470	433	381
Value-----			R8DCAGE	R9DCAGE	R10DCAGE
.c:not in self-completion m			10739	10144	13702
.m:Missing			1087	939	1110
.n:does not apply			2022	2404	2833
0.no			2326	1704	2159
1.yes			2295	2026	2230
Value-----	R11DCAGE	R12DCAGE	R13DCAGE	R14DCAGE	R15DCAGE
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	939	1008	872	650	524
.n:does not apply	2613	2624	1962	1837	1556
0.no	1885	1829	1732	1637	1236
1.yes	1975	2080	1804	1615	1354
Value-----			S8DCAGE	S9DCAGE	S10DCAGE
.c:not in self-completion m			6538	6211	8173
.m:Missing			783	594	735
.n:does not apply			1323	1534	1848
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			1632	1105	1397
1.yes			1452	1196	1355
Value-----	S11DCAGE	S12DCAGE	S13DCAGE	S14DCAGE	S15DCAGE
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	577	604	525	398	295
.n:does not apply	1706	1658	1218	1110	930
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	1199	1145	1023	955	719
1.yes	1154	1228	1014	935	724
Value-----				R9DCRLGON	R10DCRLGON
.c:not in self-completion m				10144	13702
.m:Missing				939	1110
.n:does not apply				2404	2833
0.no				3395	4033
1.yes				335	356
Value-----	R11DCRLGON	R12DCRLGON	R13DCRLGON	R14DCRLGON	R15DCRLGON
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	939	1008	872	650	524
.n:does not apply	2613	2624	1962	1837	1556
0.no	3561	3591	3240	2978	2412
1.yes	299	318	296	274	178
Value-----				S9DCRLGON	S10DCRLGON
.c:not in self-completion m				6211	8173
.m:Missing				594	735
.n:does not apply				1534	1848
.u:not coupled				6212	7804
.v:SP NR				365	722
0.no				2093	2542
1.yes				208	210
Value-----	S11DCRLGON	S12DCRLGON	S13DCRLGON	S14DCRLGON	S15DCRLGON
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	577	604	525	398	295
.n:does not apply	1706	1658	1218	1110	930
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055

0.no	2177	2185	1870	1736	1346
1.yes	176	188	167	154	97
Value-----			R8DCWEGT	R9DCWEGT	R10DCWEGT
.c:not in self-completion m			10739	10144	13702
.m:Missing			1087	939	1110
.n:does not apply			2022	2404	2833
0.no			4007	3117	3554
1.yes			614	613	835
Value-----	R11DCWEGT	R12DCWEGT	R13DCWEGT	R14DCWEGT	R15DCWEGT
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	939	1008	872	650	524
.n:does not apply	2613	2624	1962	1837	1556
0.no	3200	3252	2886	2706	2139
1.yes	660	657	650	546	451
Value-----			S8DCWEGT	S9DCWEGT	S10DCWEGT
.c:not in self-completion m			6538	6211	8173
.m:Missing			783	594	735
.n:does not apply			1323	1534	1848
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			2674	1948	2250
1.yes			410	353	502
Value-----	S11DCWEGT	S12DCWEGT	S13DCWEGT	S14DCWEGT	S15DCWEGT
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	577	604	525	398	295
.n:does not apply	1706	1658	1218	1110	930
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	1990	1987	1686	1576	1213
1.yes	363	386	351	314	230
Value-----			R8DCDSTAT	R9DCDSTAT	R10DCDSTAT
.c:not in self-completion m			10739	10144	13702
.m:Missing			1087	939	1110
.n:does not apply			2022	2404	2833
0.no			4078	3182	3744
1.yes			543	548	645
Value-----	R11DCDSTAT	R12DCDSTAT	R13DCDSTAT	R14DCDSTAT	R15DCDSTAT
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	939	1008	872	650	524
.n:does not apply	2613	2624	1962	1837	1556
0.no	3278	3343	3026	2772	2218
1.yes	582	566	510	480	372
Value-----			S8DCDSTAT	S9DCDSTAT	S10DCDSTAT
.c:not in self-completion m			6538	6211	8173
.m:Missing			783	594	735
.n:does not apply			1323	1534	1848
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			2778	2024	2395
1.yes			306	277	357
Value-----	S11DCDSTAT	S12DCDSTAT	S13DCDSTAT	S14DCDSTAT	S15DCDSTAT
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	577	604	525	398	295
.n:does not apply	1706	1658	1218	1110	930
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	2065	2076	1801	1652	1287
1.yes	288	297	236	238	156
Value-----			R8DCAPRNC	R9DCAPRNC	R10DCAPRNC
.c:not in self-completion m			10739	10144	13702
.m:Missing			1087	939	1110
.n:does not apply			2022	2404	2833
0.no			4165	3116	3571
1.yes			456	614	818
Value-----	R11DCAPRNC	R12DCAPRNC	R13DCAPRNC	R14DCAPRNC	R15DCAPRNC
.c:not in self-completion m	13142	11206	14542	11407	11053

.m:Missing	939	1008	872	650	524
.n:does not apply	2613	2624	1962	1837	1556
0.no	3188	3254	2872	2708	2168
1.yes	672	655	664	544	422
Value-----			S8DCAPRNC	S9DCAPRNC	S10DCAPRNC
.c:not in self-completion m			6538	6211	8173
.m:Missing			783	594	735
.n:does not apply			1323	1534	1848
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			2781	1924	2259
1.yes			303	377	493
Value-----	S11DCAPRNC	S12DCAPRNC	S13DCAPRNC	S14DCAPRNC	S15DCAPRNC
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	577	604	525	398	295
.n:does not apply	1706	1658	1218	1110	930
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	1962	1979	1669	1562	1231
1.yes	391	394	368	328	212
Value-----			R8DCSXORI	R9DCSXORI	R10DCSXORI
.c:not in self-completion m			10739	10144	13702
.m:Missing			1087	939	1110
.n:does not apply			2022	2404	2833
0.no			4495	3573	4221
1.yes			126	157	168
Value-----	R11DCSXORI	R12DCSXORI	R13DCSXORI	R14DCSXORI	R15DCSXORI
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	939	1008	872	650	524
.n:does not apply	2613	2624	1962	1837	1556
0.no	3750	3770	3397	3138	2484
1.yes	110	139	139	114	106
Value-----			S8DCSXORI	S9DCSXORI	S10DCSXORI
.c:not in self-completion m			6538	6211	8173
.m:Missing			783	594	735
.n:does not apply			1323	1534	1848
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			3006	2210	2670
1.yes			78	91	82
Value-----	S11DCSXORI	S12DCSXORI	S13DCSXORI	S14DCSXORI	S15DCSXORI
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	577	604	525	398	295
.n:does not apply	1706	1658	1218	1110	930
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	2297	2298	1961	1839	1392
1.yes	56	75	76	51	51
Value-----				R9DCFINAN	R10DCFINAN
.c:not in self-completion m				10144	13702
.m:Missing				1028	1245
.n:does not apply				2410	2848
0.no				2934	3467
1.yes				701	772
Value-----	R11DCFINAN	R12DCFINAN	R13DCFINAN	R14DCFINAN	R15DCFINAN
.c:not in self-completion m	13142	11206	14542	11408	11053
.m:Missing	1050	1136	952	722	565
.n:does not apply	2619	2634	1968	1842	1562
0.no	2993	3226	2974	2570	2129
1.yes	750	545	476	604	414
Value-----				S9DCFINAN	S10DCFINAN
.c:not in self-completion m				6211	8173
.m:Missing				657	830
.n:does not apply				1536	1854
.u:not coupled				6212	7804
.v:SP NR				365	722
0.no				1786	2144

1.yes				450	507
Value-----	S11DCFINAN	S12DCFINAN	S13DCFINAN	S14DCFINAN	S15DCFINAN
.c:not in self-completion m	7840	6377	7998	5961	5798
.m:Missing	651	685	573	440	320
.n:does not apply	1709	1662	1223	1113	933
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	1796	1930	1685	1502	1163
1.yes	480	358	299	342	252
Value-----			R8DCOTHER	R9DCOTHER	R10DCOTHER
.c:not in self-completion m			10739	10144	13702
.m:Missing			1087	939	1110
.n:does not apply			2022	2404	2833
0.no			3603	3029	3617
1.yes			1018	701	772
Value-----	R11DCOTHER	R12DCOTHER	R13DCOTHER	R14DCOTHER	R15DCOTHER
.c:not in self-completion m	13142	11206	14542	11407	11053
.m:Missing	939	1008	872	650	524
.n:does not apply	2613	2624	1962	1837	1556
0.no	3110	3364	3060	2648	2176
1.yes	750	545	476	604	414
Value-----			S8DCOTHER	S9DCOTHER	S10DCOTHER
.c:not in self-completion m			6538	6211	8173
.m:Missing			783	594	735
.n:does not apply			1323	1534	1848
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
0.no			2347	1851	2245
1.yes			737	450	507
Value-----	S11DCOTHER	S12DCOTHER	S13DCOTHER	S14DCOTHER	S15DCOTHER
.c:not in self-completion m	7840	6377	7998	5960	5798
.m:Missing	577	604	525	398	295
.n:does not apply	1706	1658	1218	1110	930
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	1873	2015	1738	1548	1191
1.yes	480	358	299	342	252

## How Constructed:

If the respondent reports experiencing any everyday discrimination, they are asked why they think they were discriminated against and to select as many reasons as apply.

RwDCORIGN indicates whether the respondent thinks their ancestry or national origin is the reason for their experience of discrimination.

RwDCGENDR indicates whether the respondent thinks their gender is the reason for their experience of discrimination.

RwDCRACE indicates whether the respondent thinks their race is the reason for their experience of discrimination.

RwDCAGE indicates whether the respondent thinks their age is the reason for their experience of discrimination.

RwDCRLGON indicates whether the respondent thinks their religion is the reason for their experience of discrimination.

RwDCWEGT indicates whether the respondent thinks their weight is the reason for their experience of discrimination.

RwDCDSTAT indicates whether the respondent thinks their physical disability is the reason for their experience of discrimination.

RwDCAPRNC indicates whether the respondent thinks an aspect of their physical appearance is the reason for their experience of discrimination.

RwDCSXORI indicates whether the respondent thinks their sexual orientation is the reason for their experience of discrimination.

RwDCFINAN indicates whether the respondent thinks their financial status is the reason for their experience of discrimination.

RwDCOTHER indicates whether the respondent thinks there are some reasons other than what have been mentioned for their experience of discrimination.

A code of 1 is assigned if the respondent selected the option as a reason for their discrimination. A code of 0 is assigned if the respondent did not select the option as a reason for their discrimination. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .n is assigned if the respondent did not report any discrimination. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwDCORIGN, SwDCGENDR, SwDCRACE, SwDCAGE, SwDCRLGON, SwDCWEGT, SwDCDSTAT, SwDCAPRNC, SwDCSXORI, SwDCFINAN and SwDCOTHER indicate whether the respondent's current wave's spouse agreed with statements about the reason for discrimination, and their values are taken from the spouse's values to SwDCORIGN, SwDCGENDR, SwDCRACE, SwDCAGE, SwDCRLGON, SwDCWEGT, SwDCDSTAT, SwDCAPRNC, SwDCSXORI, SwDCFINAN and SwDCOTHER. In addition to the special missing codes used in SwDCORIGN, SwDCGENDR, SwDCRACE, SwDCAGE, SwDCRLGON, SwDCWEGT, SwDCDSTAT, SwDCAPRNC, SwDCSXORI, SwDCFINAN and SwDCOTHER, SwDCORIGN, SwDCGENDR, SwDCRACE, SwDCAGE, SwDCRLGON, SwDCWEGT, SwDCDSTAT, SwDCAPRNC, SwDCSXORI, SwDCFINAN and SwDCOTHER employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDCREAS counts how many different reasons for their discrimination that the respondent chooses from a list: ancestry or national origin, gender, race, age, religion, weight, physical disability, an aspect of physical appearance, sexual orientation, financial status, and other. RwDCREAS is calculated as long as one of the component variables is non-missing. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .n is assigned if the respondent did not report any experience of discrimination. Special missing .m is assigned if all the component variables had missing values. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwDCREAS indicates the count of reasons for discrimination for the respondent's current wave's spouse, and its value is taken from the spouse's values to RwDCREAS. In addition to the special missing codes used in RwDCREAS, SwDCREAS employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The list of the reasons for discrimination were added in Wave 8.

Please note that religion and financial status were added to the list of reasons in Wave 9, so Wave 8 had a shorter list of reasons for discrimination than the rest of the waves.

## HRS Variables Used:

Wave 8:

KLB031M1	q31.why experiences happened to you - 1
KLB031M2	q31.why experiences happened to you - 2
KLB031M3	q31.why experiences happened to you - 3
KLB031M4	q31.why experiences happened to you - 4
KLB031M5	q31.why experiences happened to you - 5
KLB031M6	q31.why experiences happened to you - 6

KLB031M7 q31.why experiences happened to you - 7  
KLB031M8 q31.why experiences happened to you - 8  
KLB031M9 q31.why experiences happened to you - 9  
KLBCOMP mode completed leave behind qnaire

## Wave 9:

LLB031M1 q31.why experiences happened to you - 1  
LLB031M10 q31.why experiences happened to you - 10  
LLB031M11 q31.why experiences happened to you - 11  
LLB031M2 q31.why experiences happened to you - 2  
LLB031M3 q31.why experiences happened to you - 3  
LLB031M4 q31.why experiences happened to you - 4  
LLB031M5 q31.why experiences happened to you - 5  
LLB031M6 q31.why experiences happened to you - 6  
LLB031M7 q31.why experiences happened to you - 7  
LLB031M8 q31.why experiences happened to you - 8  
LLB031M9 q31.why experiences happened to you - 9  
LLBCOMP mode completed leave behind qnaire

## Wave 10:

MLB031M1 q31.why experiences happened to you - 1  
MLB031M10 q31.why experiences happened to you - 10  
MLB031M11 q31.why experiences happened to you - 11  
MLB031M2 q31.why experiences happened to you - 2  
MLB031M3 q31.why experiences happened to you - 3  
MLB031M4 q31.why experiences happened to you - 4  
MLB031M5 q31.why experiences happened to you - 5  
MLB031M6 q31.why experiences happened to you - 6  
MLB031M7 q31.why experiences happened to you - 7  
MLB031M8 q31.why experiences happened to you - 8  
MLB031M9 q31.why experiences happened to you - 9  
MLBCOMP mode completed leave behind qnaire

## Wave 11:

NLB031M1 q31m1. why happened to you - 1  
NLB031M10 q31m10. why happened to you - 10  
NLB031M11 q31m11. why happened to you - 11  
NLB031M2 q31m2. why happened to you - 2  
NLB031M3 q31m3. why happened to you - 3  
NLB031M4 q31m4. why happened to you - 4  
NLB031M5 q31m5. why happened to you - 5  
NLB031M6 q31m6. why happened to you - 6  
NLB031M7 q31m7. why happened to you - 7  
NLB031M8 q31m8. why happened to you - 8  
NLB031M9 q31m9. why happened to you - 9  
NLBCOMP mode completed leave behind qnaire

## Wave 12:

OLB030M1 q30m1. why happened to you - 1  
OLB030M10 q30m10. why happened to you - 10  
OLB030M11 q30m11. why happened to you - 11  
OLB030M2 q30m2. why happened to you - 2  
OLB030M3 q30m3. why happened to you - 3  
OLB030M4 q30m4. why happened to you - 4  
OLB030M5 q30m5. why happened to you - 5  
OLB030M6 q30m6. why happened to you - 6  
OLB030M7 q30m7. why happened to you - 7  
OLB030M8 q30m8. why happened to you - 8  
OLB030M9 q30m9. why happened to you - 9  
OLBCOMP mode completed leave behind qnaire

## Wave 13:

PLB030M1 q30m1. why happened to you - 1  
PLB030M10 q30m10. why happened to you - 10  
PLB030M11 q30m11. why happened to you - 11  
PLB030M2 q30m2. why happened to you - 2  
PLB030M3 q30m3. why happened to you - 3  
PLB030M4 q30m4. why happened to you - 4

PLB030M5 q30m5. why happened to you - 5  
PLB030M6 q30m6. why happened to you - 6  
PLB030M7 q30m7. why happened to you - 7  
PLB030M8 q30m8. why happened to you - 8  
PLB030M9 q30m9. why happened to you - 9  
PLBCOMP mode completed leave behind qnaire

## Wave 14:

QLB030M1 q30m1. why happened to you - 1  
QLB030M10 q30m10. why happened to you - 10  
QLB030M11 q30m11. why happened to you - 11  
QLB030M2 q30m2. why happened to you - 2  
QLB030M3 q30m3. why happened to you - 3  
QLB030M4 q30m4. why happened to you - 4  
QLB030M5 q30m5. why happened to you - 5  
QLB030M6 q30m6. why happened to you - 6  
QLB030M7 q30m7. why happened to you - 7  
QLB030M8 q30m8. why happened to you - 8  
QLB030M9 q30m9. why happened to you - 9  
QLBCOMP mode completed leave behind qnaire

## Wave 15:

RLB030M1 q30m1. why happened to you - 1  
RLB030M10 q30m10. why happened to you - 10  
RLB030M11 q30m11. why happened to you - 11  
RLB030M2 q30m2. why happened to you - 2  
RLB030M3 q30m3. why happened to you - 3  
RLB030M4 q30m4. why happened to you - 4  
RLB030M5 q30m5. why happened to you - 5  
RLB030M6 q30m6. why happened to you - 6  
RLB030M7 q30m7. why happened to you - 7  
RLB030M8 q30m8. why happened to you - 8  
RLB030M9 q30m9. why happened to you - 9  
RLBCOMP mode completed leave behind qnaire

<b>Lifetime Discrimination</b>
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Wave	Variable	Label	Type
08	R8UFDIS	r8ufdis:w8 whether r unfairly dismissed from a job	Categ
09	R9UFDIS	r9ufdis:w9 whether r unfairly dismissed from a job	Categ
10	R10UFDIS	r10ufdis:w10 whether r unfairly dismissed from a job	Categ
11	R11UFDIS	r11ufdis:w11 whether r unfairly dismissed from a job	Categ
08	S8UFDIS	s8ufdis:w8 whether s unfairly dismissed from a job	Categ
09	S9UFDIS	s9ufdis:w9 whether s unfairly dismissed from a job	Categ
10	S10UFDIS	s10ufdis:w10 whether s unfairly dismissed from a job	Categ
11	S11UFDIS	s11ufdis:w11 whether s unfairly dismissed from a job	Categ
08	R8UFHIRE	r8ufhire:w8 whether r unfairly not hired for a job	Categ
09	R9UFHIRE	r9ufhire:w9 whether r unfairly not hired for a job	Categ
10	R10UFHIRE	r10ufhire:w10 whether r unfairly not hired for a job	Categ
11	R11UFHIRE	r11ufhire:w11 whether r unfairly not hired for a job	Categ
08	S8UFHIRE	s8ufhire:w8 whether s unfairly not hired for a job	Categ
09	S9UFHIRE	s9ufhire:w9 whether s unfairly not hired for a job	Categ
10	S10UFHIRE	s10ufhire:w10 whether s unfairly not hired for a job	Categ
11	S11UFHIRE	s11ufhire:w11 whether s unfairly not hired for a job	Categ
08	R8UFDENYP	r8ufdenyp:w8 whether r unfairly denied a promotion	Categ
09	R9UFDENYP	r9ufdenyp:w9 whether r unfairly denied a promotion	Categ
10	R10UFDENYP	r10ufdenyp:w10 whether r unfairly denied a promotion	Categ
11	R11UFDENYP	r11ufdenyp:w11 whether r unfairly denied a promotion	Categ
08	S8UFDENYP	s8ufdenyp:w8 whether s unfairly denied a promotion	Categ
09	S9UFDENYP	s9ufdenyp:w9 whether s unfairly denied a promotion	Categ
10	S10UFDENYP	s10ufdenyp:w10 whether s unfairly denied a promotion	Categ
11	S11UFDENYP	s11ufdenyp:w11 whether s unfairly denied a promotion	Categ
08	R8UFPVMOV	r8ufpvmov:w8 whether r unfairly prevented from moving into a	Categ
09	R9UFPVMOV	r9ufpvmov:w9 whether r unfairly prevented from moving into a	Categ
10	R10UFPVMOV	r10ufpvmov:w10 whether r unfairly prevented from moving into	Categ
11	R11UFPVMOV	r11ufpvmov:w11 whether r unfairly prevented from moving into	Categ
08	S8UFPVMOV	s8ufpvmov:w8 whether s unfairly prevented from moving into a	Categ
09	S9UFPVMOV	s9ufpvmov:w9 whether s unfairly prevented from moving into a	Categ
10	S10UFPVMOV	s10ufpvmov:w10 whether s unfairly prevented from moving into	Categ
11	S11UFPVMOV	s11ufpvmov:w11 whether s unfairly prevented from moving into	Categ
08	R8UFDENYB	r8ufdenyb:w8 whether r unfairly denied a loan	Categ
09	R9UFDENYB	r9ufdenyb:w9 whether r unfairly denied a loan	Categ
10	R10UFDENYB	r10ufdenyb:w10 whether r unfairly denied a loan	Categ
11	R11UFDENYB	r11ufdenyb:w11 whether r unfairly denied a loan	Categ
08	S8UFDENYB	s8ufdenyb:w8 whether s unfairly denied a loan	Categ
09	S9UFDENYB	s9ufdenyb:w9 whether s unfairly denied a loan	Categ
10	S10UFDENYB	s10ufdenyb:w10 whether s unfairly denied a loan	Categ
11	S11UFDENYB	s11ufdenyb:w11 whether s unfairly denied a loan	Categ
08	R8UFPOLIC	r8ufpolic:w8 whether r unfairly treated by police	Categ
09	R9UFPOLIC	r9ufpolic:w9 whether r unfairly treated by police	Categ
10	R10UFPOLIC	r10ufpolic:w10 whether r unfairly treated by police	Categ
11	R11UFPOLIC	r11ufpolic:w11 whether r unfairly treated by police	Categ
08	S8UFPOLIC	s8ufpolic:w8 whether s unfairly treated by police	Categ
09	S9UFPOLIC	s9ufpolic:w9 whether s unfairly treated by police	Categ



10	S10UFPOLIC	s10ufpolic:w10 whether s unfairly treated by police	Categ
11	S11UFPOLIC	s11ufpolic:w11 whether s unfairly treated by police	Categ
09	R9UFDENYH	r9ufdenyh:w9 whether r unfairly denied health care or treat	Categ
10	R10UFDENYH	r10ufdenyh:w10 whether r unfairly denied health care or trea	Categ
11	R11UFDENYH	r11ufdenyh:w11 whether r unfairly denied health care or trea	Categ
09	S9UFDENYH	s9ufdenyh:w9 whether s unfairly denied health care or treat	Categ
10	S10UFDENYH	s10ufdenyh:w10 whether s unfairly denied health care or trea	Categ
11	S11UFDENYH	s11ufdenyh:w11 whether s unfairly denied health care or trea	Categ
08	R8UNFAIR	r8unfair:w8 r lifetime unfair experiences count	Cont
09	R9UNFAIR	r9unfair:w9 r lifetime unfair experiences count	Cont
10	R10UNFAIR	r10unfair:w10 r lifetime unfair experiences count	Cont
11	R11UNFAIR	r11unfair:w11 r lifetime unfair experiences count	Cont
08	S8UNFAIR	s8unfair:w8 s lifetime unfair experiences count	Cont
09	S9UNFAIR	s9unfair:w9 s lifetime unfair experiences count	Cont
10	S10UNFAIR	s10unfair:w10 s lifetime unfair experiences count	Cont
11	S11UNFAIR	s11unfair:w11 s lifetime unfair experiences count	Cont
08	R8UNFAIRM	r8unfairm:w8 missings in r lifetime unfair experiences count	Cont
09	R9UNFAIRM	r9unfairm:w9 missings in r lifetime unfair experiences count	Cont
10	R10UNFAIRM	r10unfairm:w10 missings in r lifetime unfair experiences cou	Cont
11	R11UNFAIRM	r11unfairm:w11 missings in r lifetime unfair experiences cou	Cont
08	S8UNFAIRM	s8unfairm:w8 missings in s lifetime unfair experiences count	Cont
09	S9UNFAIRM	s9unfairm:w9 missings in s lifetime unfair experiences count	Cont
10	S10UNFAIRM	s10unfairm:w10 missings in s lifetime unfair experiences cou	Cont
11	S11UNFAIRM	s11unfairm:w11 missings in s lifetime unfair experiences cou	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8UFDIS	7551	0.16	0.37	0.00	1.00
R9UFDIS	6891	0.17	0.38	0.00	1.00
R10UFDIS	8146	0.21	0.40	0.00	1.00
R11UFDIS	7208	0.18	0.38	0.00	1.00
S8UFDIS	5096	0.17	0.37	0.00	1.00
S9UFDIS	4333	0.18	0.38	0.00	1.00
S10UFDIS	5241	0.20	0.40	0.00	1.00
S11UFDIS	4515	0.17	0.38	0.00	1.00
R8UFHIRE	7510	0.08	0.28	0.00	1.00
R9UFHIRE	6860	0.09	0.29	0.00	1.00
R10UFHIRE	8107	0.09	0.29	0.00	1.00
R11UFHIRE	7169	0.08	0.26	0.00	1.00
S8UFHIRE	5065	0.08	0.27	0.00	1.00
S9UFHIRE	4323	0.09	0.28	0.00	1.00
S10UFHIRE	5224	0.08	0.28	0.00	1.00
S11UFHIRE	4498	0.07	0.26	0.00	1.00
R8UFDENYP	7475	0.09	0.28	0.00	1.00
R9UFDENYP	6828	0.11	0.31	0.00	1.00
R10UFDENYP	8103	0.10	0.30	0.00	1.00
R11UFDENYP	7163	0.10	0.29	0.00	1.00
S8UFDENYP	5053	0.09	0.28	0.00	1.00
S9UFDENYP	4305	0.11	0.31	0.00	1.00
S10UFDENYP	5214	0.10	0.30	0.00	1.00

S11UFDENYP	4487	0.09	0.29	0.00	1.00
R8UFPVMOV	7543	0.02	0.14	0.00	1.00
R9UFPVMOV	6894	0.03	0.16	0.00	1.00
R10UFPVMOV	8144	0.02	0.15	0.00	1.00
R11UFPVMOV	7207	0.02	0.15	0.00	1.00
S8UFPVMOV	5090	0.02	0.13	0.00	1.00
S9UFPVMOV	4344	0.02	0.14	0.00	1.00
S10UFPVMOV	5240	0.02	0.13	0.00	1.00
S11UFPVMOV	4511	0.02	0.13	0.00	1.00
R8UFDENYB	7525	0.05	0.21	0.00	1.00
R9UFDENYB	6887	0.05	0.22	0.00	1.00
R10UFDENYB	8120	0.05	0.23	0.00	1.00
R11UFDENYB	7189	0.05	0.22	0.00	1.00
S8UFDENYB	5081	0.04	0.20	0.00	1.00
S9UFDENYB	4338	0.04	0.20	0.00	1.00
S10UFDENYB	5226	0.05	0.21	0.00	1.00
S11UFDENYB	4501	0.04	0.21	0.00	1.00
R8UFPOLIC	7549	0.05	0.21	0.00	1.00
R9UFPOLIC	6903	0.06	0.23	0.00	1.00
R10UFPOLIC	8149	0.07	0.25	0.00	1.00
R11UFPOLIC	7205	0.06	0.24	0.00	1.00
S8UFPOLIC	5094	0.04	0.20	0.00	1.00
S9UFPOLIC	4347	0.05	0.23	0.00	1.00
S10UFPOLIC	5242	0.06	0.24	0.00	1.00
S11UFPOLIC	4513	0.06	0.23	0.00	1.00
R9UFDENYH	6897	0.03	0.17	0.00	1.00
R10UFDENYH	8144	0.03	0.17	0.00	1.00
R11UFDENYH	7207	0.03	0.17	0.00	1.00
S9UFDENYH	4343	0.02	0.15	0.00	1.00
S10UFDENYH	5239	0.03	0.16	0.00	1.00
S11UFDENYH	4508	0.02	0.15	0.00	1.00
R8UNFAIR	7583	0.44	0.86	0.00	6.00
R9UNFAIR	6927	0.53	0.97	0.00	7.00
R10UNFAIR	8192	0.56	0.99	0.00	7.00
R11UNFAIR	7235	0.51	0.94	0.00	7.00
S8UNFAIR	5114	0.43	0.83	0.00	6.00
S9UNFAIR	4360	0.51	0.92	0.00	6.00
S10UNFAIR	5262	0.53	0.94	0.00	7.00
S11UNFAIR	4529	0.48	0.89	0.00	7.00
R8UNFAIRM	7730	0.16	0.88	0.00	6.00
R9UNFAIRM	7073	0.19	1.05	0.00	7.00
R10UNFAIRM	8332	0.17	0.97	0.00	7.00
R11UNFAIRM	7412	0.21	1.12	0.00	7.00
S8UNFAIRM	5190	0.13	0.78	0.00	6.00
S9UNFAIRM	4429	0.15	0.92	0.00	7.00
S10UNFAIRM	5335	0.13	0.87	0.00	7.00
S11UNFAIRM	4636	0.20	1.10	0.00	7.00

### Categorical Variable Codes

Value-----		R8UFDIS	R9UFDIS	R10UFDIS
.c:not in self-completion m		10739	10144	13702
.m:Missing		179	182	186
0.no		6309	5693	6469
1.yes		1242	1198	1677
Value-----	R11UFDIS			
.c:not in self-completion m	13142			
.m:Missing	204			
0.no	5937			
1.yes	1271			
Value-----		S8UFDIS	S9UFDIS	S10UFDIS
.c:not in self-completion m		6538	6211	8173
.m:Missing		94	96	94
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
0.no		4245	3567	4192
1.yes		851	766	1049
Value-----	S11UFDIS			
.c:not in self-completion m	7840			
.m:Missing	121			
.u:not coupled	7483			
.v:SP NR	595			
0.no	3726			
1.yes	789			
Value-----		R8UFHIRE	R9UFHIRE	R10UFHIRE
.c:not in self-completion m		10739	10144	13702
.m:Missing		220	213	225
0.no		6891	6220	7373
1.yes		619	640	734
Value-----	R11UFHIRE			
.c:not in self-completion m	13142			
.m:Missing	243			
0.no	6628			
1.yes	541			
Value-----		S8UFHIRE	S9UFHIRE	S10UFHIRE
.c:not in self-completion m		6538	6211	8173
.m:Missing		125	106	111
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
0.no		4662	3944	4787
1.yes		403	379	437
Value-----	S11UFHIRE			
.c:not in self-completion m	7840			
.m:Missing	138			
.u:not coupled	7483			
.v:SP NR	595			
0.no	4174			
1.yes	324			
Value-----		R8UFDENYP	R9UFDENYP	R10UFDENYP
.c:not in self-completion m		10739	10144	13702
.m:Missing		255	245	229
0.no		6822	6094	7306
1.yes		653	734	797
Value-----	R11UFDENYP			
.c:not in self-completion m	13142			
.m:Missing	249			
0.no	6482			
1.yes	681			
Value-----		S8UFDENYP	S9UFDENYP	S10UFDENYP
.c:not in self-completion m		6538	6211	8173
.m:Missing		137	124	121
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
0.no		4609	3836	4707
1.yes		444	469	507

Value-----	S11UFDENYP
.c:not in self-completion m	7840
.m:Missing	149
.u:not coupled	7483
.v:SP NR	595
0.no	4068
1.yes	419

Value-----	R8UFPVMOV	R9UFPVMOV	R10UFPVMOV
.c:not in self-completion m	10739	10144	13702
.m:Missing	187	179	188
0.no	7392	6719	7953
1.yes	151	175	191

Value-----	R11UFPVMOV
.c:not in self-completion m	13142
.m:Missing	205
0.no	7044
1.yes	163

Value-----	S8UFPVMOV	S9UFPVMOV	S10UFPVMOV
.c:not in self-completion m	6538	6211	8173
.m:Missing	100	85	95
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
0.no	5003	4263	5145
1.yes	87	81	95

Value-----	S11UFPVMOV
.c:not in self-completion m	7840
.m:Missing	125
.u:not coupled	7483
.v:SP NR	595
0.no	4429
1.yes	82

Value-----	R8UFDENYB	R9UFDENYB	R10UFDENYB
.c:not in self-completion m	10739	10144	13702
.m:Missing	205	186	212
0.no	7184	6537	7685
1.yes	341	350	435

Value-----	R11UFDENYB
.c:not in self-completion m	13142
.m:Missing	223
0.no	6818
1.yes	371

Value-----	S8UFDENYB	S9UFDENYB	S10UFDENYB
.c:not in self-completion m	6538	6211	8173
.m:Missing	109	91	109
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
0.no	4876	4151	4982
1.yes	205	187	244

Value-----	S11UFDENYB
.c:not in self-completion m	7840
.m:Missing	135
.u:not coupled	7483
.v:SP NR	595
0.no	4302
1.yes	199

Value-----	R8UFPOLIC	R9UFPOLIC	R10UFPOLIC
.c:not in self-completion m	10739	10144	13702
.m:Missing	181	170	183
0.no	7209	6507	7591
1.yes	340	396	558

Value-----	R11UFPOLIC
.c:not in self-completion m	13142
.m:Missing	207
0.no	6759
1.yes	446

Value-----		S8UFPOLIC	S9UFPOLIC	S10UFPOLIC
.c:not in self-completion m		6538	6211	8173
.m:Missing		96	82	93
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
0.no		4881	4111	4921
1.yes		213	236	321
Value-----	S11UFPOLIC			
.c:not in self-completion m	7840			
.m:Missing	123			
.u:not coupled	7483			
.v:SP NR	595			
0.no	4264			
1.yes	249			
Value-----		R9UFDENYH	R10UFDENYH	
.c:not in self-completion m		10144	13702	
.m:Missing		176	188	
0.no		6703	7910	
1.yes		194	234	
Value-----	R11UFDENYH			
.c:not in self-completion m	13142			
.m:Missing	205			
0.no	7002			
1.yes	205			
Value-----		S9UFDENYH	S10UFDENYH	
.c:not in self-completion m		6211	8173	
.m:Missing		86	96	
.u:not coupled		6212	7804	
.v:SP NR		365	722	
0.no		4242	5097	
1.yes		101	142	
Value-----	S11UFDENYH			
.c:not in self-completion m	7840			
.m:Missing	128			
.u:not coupled	7483			
.v:SP NR	595			
0.no	4401			
1.yes	107			

## How Constructed:

RwUFDIS indicates whether the respondent has ever been unfairly dismissed from a job.

RwUFHIRE indicates whether the respondent has ever not been hired for a job for unfair reasons.

RwUFDENYP indicates whether the respondent has ever been unfairly denied a promotion.

RwUFPVMOV indicates whether the respondent has ever been unfairly prevented from moving into a neighborhood because the landlord or a Realtor refused to sell or rent a house or apartment.

RwUFDENYB indicates whether the respondent has ever been unfairly denied a bank loan.

RwUFPOLIC indicates whether the respondent has ever been unfairly stopped, searched, questioned, physically threatened, or abused by the police.

RwUFDENYH indicates whether the respondent has ever been unfairly denied health care or treatment.

A code of 1 is assigned if the respondent has experienced the discriminatory behavior. A code of 0 is assigned if the respondent has not experienced the discriminatory behavior. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwUFDIS, SwUFHIRE, SwUFDENYP, SwUFPVMOV, SwUFPVMOV, SwUFDENYB, SwUFPOLIC and SwUFDENYH indicate whether the respondent's current wave's spouse agreed with the statements about unfair lifetime events, and their values are taken from the spouse's values to RwUFDIS, RwUFHIRE, RwUFDENYP, RwUFPVMOV, RwUFPVMOV, RwUFDENYB, RwUFPOLIC and RwUFDENYH. In addition to the special missing codes used in RwUFDIS, RwUFHIRE, RwUFDENYP, RwUFPVMOV, RwUFPVMOV, SwUFDENYB, SwUFDENYB, SwUFPOLIC and SwUFDENYH, SwUFDIS, SwUFHIRE, SwUFDENYP, SwUFPVMOV, SwUFPVMOV, SwUFDENYB, SwUFPOLIC and SwUFDENYH employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwUNFAIR counts how many types of unfair events the respondent experienced in their life. It is a sum of RwUFDIS, RwUFHIRE, RwUFDENYP, RwUFPVMOV, RwUFDENYB, RwUFPOLIC, and starting in Wave 9, RwUFDENYH. RwUNFAIR is calculated as long as at least one component is not missing. RwUNFAIRM counts the number of components with missing values in RwUNFAIR, which could be between no missing components (0) and six missing components (6) for Wave 8, and between no missing components (0) and seven missing components (7) in Waves 9 - 11. Special missing .c is assigned to RwUNFAIR and RwUNFAIRM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned to RwUNFAIR if all components of the respondent's summary score are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwUNFAIR and SwUNFAIRM indicate the count of how many unfair events have ever occurred in the respondent's current wave's spouse's life and how many of those unfair events have missing values respectively, and their values are taken from the spouse's values to RwUNFAIR and RwUNFAIRM. In addition to the special missing codes used in RwUNFAIR and RwUNFAIRM, SwUNFAIR and SwUNFAIRM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions about unfair lifetime discrimination experiences were asked beginning in Wave 8.

The question "Have you ever been unfairly denied health care or treatment?" was added in Wave 9; as a result, Wave 8 had a shorter list of lifetime discrimination experiences than the rest of the waves.

Questions related to unfair lifetime discrimination experiences were no longer asked starting in Wave 12.

## HRS Variables Used:

### Wave 8:

KLB036A	q36a. unfairly dismissed from a job
KLB036B	q36b. ever not been hired for a job
KLB036C	q36c. been unfairly denied a promotion
KLB036D	q36d. prevented fr moving to neighborhood
KLB036E	q36e. been unfairly denied a bank loan
KLB036F	q36f. been unfairly stopped by police
KLBCOMP	mode completed leave behind qnaire

### Wave 9:

LLB036A	q36a. unfairly dismissed from a job
LLB036B	q36b. ever not been hired for a job
LLB036C	q36c. been unfairly denied a promotion
LLB036D	q36d. prevented fr moving to neighborhood
LLB036E	q36e. been unfairly denied a bank loan
LLB036F	q36f. been unfairly stopped by police
LLB036G	q36g. been unfairly denied hlth care
LLBCOMP	mode completed leave behind qnaire

### Wave 10:

MLB036A	q36a. unfairly dismissed from a job
MLB036B	q36b. ever not been hired for a job
MLB036C	q36c. been unfairly denied a promotion
MLB036D	q36d. prevented fr moving to neighborhood
MLB036E	q36e. been unfairly denied a bank loan

MLB036F q36f. been unfairly stopped by police  
MLB036G q36g. been unfairly denied hlth care  
MLBCOMP mode completed leave behind qnaire

## Wave 11:

NLB036A q36a. unfairly dismissed from a job  
NLB036B q36b. ever not been hired for a job  
NLB036C q36c. been unfairly denied a promotion  
NLB036D q36d. prevented fr moving to neighborhood  
NLB036E q36e. been unfairly denied a bank loan  
NLB036F q36f. been unfairly stopped by police  
NLB036G q36g. been unfairly denied hlth care  
NLBCOMP mode completed leave behind qnaire

<b>Work Discrimination in the Last 12 Months</b>
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Wave	Variable	Label	Type
08	R8UFTASK	r8uftask:w8 how often r unfairly given tasks at work	Categ
09	R9UFTASK	r9uftask:w9 how often r unfairly given tasks at work	Categ
10	R10UFTASK	r10uftask:w10 how often r unfairly given tasks at work	Categ
11	R11UFTASK	r11uftask:w11 how often r unfairly given tasks at work	Categ
08	S8UFTASK	s8uftask:w8 how often s unfairly given tasks at work	Categ
09	S9UFTASK	s9uftask:w9 how often s unfairly given tasks at work	Categ
10	S10UFTASK	s10uftask:w10 how often s unfairly given tasks at work	Categ
11	S11UFTASK	s11uftask:w11 how often s unfairly given tasks at work	Categ
08	R8CLOSLY	r8closly:w8 how often r watched more closely than others	Categ
09	R9CLOSLY	r9closly:w9 how often r watched more closely than others	Categ
10	R10CLOSLY	r10closly:w10 how often r watched more closely than others	Categ
11	R11CLOSLY	r11closly:w11 how often r watched more closely than others	Categ
08	S8CLOSLY	s8closly:w8 how often s watched more closely than others	Categ
09	S9CLOSLY	s9closly:w9 how often s watched more closely than others	Categ
10	S10CLOSLY	s10closly:w10 how often s watched more closely than others	Categ
11	S11CLOSLY	s11closly:w11 how often s watched more closely than others	Categ
08	R8JKRACE	r8jkrace:w8 how often r bothered by supervisor/coworkers rac	Categ
09	R9JKRACE	r9jkrace:w9 how often r bothered by supervisor/coworkers rac	Categ
10	R10JKRACE	r10jkrace:w10 how often r bothered by supervisor/coworkers r	Categ
11	R11JKRACE	r11jkrace:w11 how often r bothered by supervisor/coworkers r	Categ
08	S8JKRACE	s8jkrace:w8 how often s bothered by supervisor/coworkers rac	Categ
09	S9JKRACE	s9jkrace:w9 how often s bothered by supervisor/coworkers rac	Categ
10	S10JKRACE	s10jkrace:w10 how often s bothered by supervisor/coworkers r	Categ
11	S11JKRACE	s11jkrace:w11 how often s bothered by supervisor/coworkers r	Categ
08	R8WTWICE	r8wtwice:w8 how often r feels has to work twice as hard as o	Categ
09	R9WTWICE	r9wtwice:w9 how often r feels has to work twice as hard as o	Categ
10	R10WTWICE	r10wtwice:w10 how often r feels has to work twice as hard as	Categ
11	R11WTWICE	r11wtwice:w11 how often r feels has to work twice as hard as	Categ
08	S8WTWICE	s8wtwice:w8 how often s feels has to work twice as hard as o	Categ
09	S9WTWICE	s9wtwice:w9 how often s feels has to work twice as hard as o	Categ
10	S10WTWICE	s10wtwice:w10 how often s feels has to work twice as hard as	Categ
11	S11WTWICE	s11wtwice:w11 how often s feels has to work twice as hard as	Categ
08	R8NTBOSS	r8ntboss:w8 how often r ignored by boss	Categ
09	R9NTBOSS	r9ntboss:w9 how often r ignored by boss	Categ
10	R10NTBOSS	r10ntboss:w10 how often r ignored by boss	Categ
11	R11NTBOSS	r11ntboss:w11 how often r ignored by boss	Categ
08	S8NTBOSS	s8ntboss:w8 how often s ignored by boss	Categ
09	S9NTBOSS	s9ntboss:w9 how often s ignored by boss	Categ
10	S10NTBOSS	s10ntboss:w10 how often s ignored by boss	Categ
11	S11NTBOSS	s11ntboss:w11 how often s ignored by boss	Categ
08	R8WHUML	r8whuml:w8 how often r unfairly humiliated in front of other	Categ
09	R9WHUML	r9whuml:w9 how often r unfairly humiliated in front of other	Categ
10	R10WHUML	r10whuml:w10 how often r unfairly humiliated in front of oth	Categ
11	R11WHUML	r11whuml:w11 how often r unfairly humiliated in front of oth	Categ
08	S8WHUML	s8whuml:w8 how often s unfairly humiliated in front of other	Categ
09	S9WHUML	s9whuml:w9 how often s unfairly humiliated in front of other	Categ



10	S10WHUML	s10whuml:w10	how often s unfairly humiliated in front of oth	Categ
11	S11WHUML	s11whuml:w11	how often s unfairly humiliated in front of oth	Categ
08	R8DCWORK	r8dcwork:w8	r summary of work discrimination in the past yea	Cont
09	R9DCWORK	r9dcwork:w9	r summary of work discrimination in the past yea	Cont
10	R10DCWORK	r10dcwork:w10	r summary of work discrimination in the past y	Cont
11	R11DCWORK	r11dcwork:w11	r summary of work discrimination in the past y	Cont
08	S8DCWORK	s8dcwork:w8	s summary of work discrimination in the past yea	Cont
09	S9DCWORK	s9dcwork:w9	s summary of work discrimination in the past yea	Cont
10	S10DCWORK	s10dcwork:w10	s summary of work discrimination in the past y	Cont
11	S11DCWORK	s11dcwork:w11	s summary of work discrimination in the past y	Cont
08	R8DCWORKM	r8dcworkm:w8	missings in r work discrimination in the past y	Cont
09	R9DCWORKM	r9dcworkm:w9	missings in r work discrimination in the past y	Cont
10	R10DCWORKM	r10dcworkm:w10	missings in r work discrimination in the past	Cont
11	R11DCWORKM	r11dcworkm:w11	missings in r work discrimination in the past	Cont
08	S8DCWORKM	s8dcworkm:w8	missings in s work discrimination in the past y	Cont
09	S9DCWORKM	s9dcworkm:w9	missings in s work discrimination in the past y	Cont
10	S10DCWORKM	s10dcworkm:w10	missings in s work discrimination in the past	Cont
11	S11DCWORKM	s11dcworkm:w11	missings in s work discrimination in the past	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8UFTASK	2606	2.04	1.37	1.00	6.00
R9UFTASK	2106	2.10	1.42	1.00	6.00
R10UFTASK	2926	2.12	1.48	1.00	6.00
R11UFTASK	2393	2.18	1.55	1.00	6.00
S8UFTASK	1960	2.05	1.36	1.00	6.00
S9UFTASK	1494	2.11	1.41	1.00	6.00
S10UFTASK	2084	2.08	1.44	1.00	6.00
S11UFTASK	1675	2.16	1.52	1.00	6.00
R8CLOSLY	2600	1.61	1.21	1.00	6.00
R9CLOSLY	2097	1.63	1.26	1.00	6.00
R10CLOSLY	2917	1.73	1.33	1.00	6.00
R11CLOSLY	2385	1.79	1.40	1.00	6.00
S8CLOSLY	1957	1.58	1.16	1.00	6.00
S9CLOSLY	1492	1.64	1.26	1.00	6.00
S10CLOSLY	2078	1.67	1.28	1.00	6.00
S11CLOSLY	1672	1.74	1.35	1.00	6.00
R8JKRACE	2597	1.37	0.95	1.00	6.00
R9JKRACE	2096	1.41	1.02	1.00	6.00
R10JKRACE	2913	1.40	0.97	1.00	6.00
R11JKRACE	2393	1.43	1.08	1.00	6.00
S8JKRACE	1955	1.36	0.91	1.00	6.00
S9JKRACE	1489	1.42	1.01	1.00	6.00
S10JKRACE	2076	1.38	0.94	1.00	6.00
S11JKRACE	1678	1.39	1.02	1.00	6.00
R8WTWICE	2597	2.04	1.61	1.00	6.00
R9WTWICE	2097	2.01	1.60	1.00	6.00
R10WTWICE	2916	2.11	1.66	1.00	6.00
R11WTWICE	2388	2.18	1.72	1.00	6.00
S8WTWICE	1957	2.03	1.59	1.00	6.00

S9WTWICE	1491	2.02	1.60	1.00	6.00
S10WTWICE	2076	2.09	1.65	1.00	6.00
S11WTWICE	1677	2.17	1.71	1.00	6.00
R8NTBOSS	2587	1.77	1.31	1.00	6.00
R9NTBOSS	2091	1.77	1.32	1.00	6.00
R10NTBOSS	2914	1.79	1.36	1.00	6.00
R11NTBOSS	2392	1.88	1.45	1.00	6.00
S8NTBOSS	1949	1.75	1.28	1.00	6.00
S9NTBOSS	1485	1.77	1.30	1.00	6.00
S10NTBOSS	2073	1.76	1.34	1.00	6.00
S11NTBOSS	1677	1.81	1.40	1.00	6.00
R8WHUML	2596	1.30	0.74	1.00	6.00
R9WHUML	2096	1.35	0.86	1.00	6.00
R10WHUML	2918	1.31	0.78	1.00	6.00
R11WHUML	2390	1.35	0.87	1.00	6.00
S8WHUML	1953	1.28	0.71	1.00	6.00
S9WHUML	1492	1.34	0.86	1.00	6.00
S10WHUML	2077	1.28	0.75	1.00	6.00
S11WHUML	1677	1.32	0.84	1.00	6.00
R8DCWORK	2613	1.69	0.87	1.00	6.00
R9DCWORK	2110	1.72	0.94	1.00	6.00
R10DCWORK	2928	1.74	0.94	1.00	6.00
R11DCWORK	2401	1.80	1.02	1.00	6.00
S8DCWORK	1965	1.68	0.84	1.00	6.00
S9DCWORK	1498	1.72	0.93	1.00	6.00
S10DCWORK	2085	1.71	0.91	1.00	6.00
S11DCWORK	1682	1.77	0.98	1.00	6.00
R8DCWORKM	2855	0.54	1.69	0.00	6.00
R9DCWORKM	2344	0.63	1.81	0.00	6.00
R10DCWORKM	3178	0.49	1.63	0.00	6.00
R11DCWORKM	2788	0.86	2.08	0.00	6.00
S8DCWORKM	2099	0.41	1.48	0.00	6.00
S9DCWORKM	1613	0.46	1.56	0.00	6.00
S10DCWORKM	2211	0.36	1.41	0.00	6.00
S11DCWORKM	1895	0.69	1.90	0.00	6.00

## Categorical Variable Codes

Value-----	R8UFTASK	R9UFTASK	R10UFTASK
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	125	128	193
.m:Missing	249	238	252
.w:Not working	4750	4601	4961
1.never	1374	1097	1537
2.less than once a year	422	308	434
3.a few times a year	432	343	429
4.a few times a month	172	172	240
5.at least once a week	126	121	153
6.almost everyday	80	65	133

Value-----	R11UFTASK
.c:not in self-completion m	13142
.e:Skip pattern error	101
.m:Missing	395
.w:Not working	4523
1.never	1272
2.less than once a year	309

3.a few times a year		330
4.a few times a month		199
5.at least once a week		156
6.almost everyday		127

Value-----	S8UFTASK	S9UFTASK	S10UFTASK
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	78	72	115
.m:Missing	139	119	127
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3013	2744	3009
1.never	1012	772	1114
2.less than once a year	341	217	308
3.a few times a year	321	253	313
4.a few times a month	136	123	165
5.at least once a week	90	86	100
6.almost everyday	60	43	84

Value-----	S11UFTASK
.c:not in self-completion m	7840
.e:Skip pattern error	45
.m:Missing	220
.u:not coupled	7483
.v:SP NR	595
.w:Not working	2696
1.never	885
2.less than once a year	228
3.a few times a year	246
4.a few times a month	132
5.at least once a week	100
6.almost everyday	84

Value-----	R8CLOSLY	R9CLOSLY	R10CLOSLY
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	119	128	195
.m:Missing	255	247	261
.w:Not working	4756	4601	4959
1.never	1865	1514	2005
2.less than once a year	321	236	342
3.a few times a year	186	145	233
4.a few times a month	90	85	135
5.at least once a week	64	40	91
6.almost everyday	74	77	111

Value-----	R11CLOSLY
.c:not in self-completion m	13142
.e:Skip pattern error	96
.m:Missing	403
.w:Not working	4528
1.never	1617
2.less than once a year	260
3.a few times a year	211
4.a few times a month	95
5.at least once a week	93
6.almost everyday	109

Value-----	S8CLOSLY	S9CLOSLY	S10CLOSLY
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	74	72	116
.m:Missing	142	121	133
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3017	2744	3008
1.never	1409	1067	1461
2.less than once a year	252	172	248
3.a few times a year	143	110	158
4.a few times a month	66	61	79
5.at least once a week	35	27	63
6.almost everyday	52	55	69

Value-----	S11CLOSLY
.c:not in self-completion m	7840
.e:Skip pattern error	42
.m:Missing	223
.u:not coupled	7483

.v:SP NR		595
.w:Not working		2699
1.never		1157
2.less than once a year		182
3.a few times a year		141
4.a few times a month		64
5.at least once a week		61
6.almost everyday		67

Value-----	R8JKRACE	R9JKRACE	R10JKRACE
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error		116	128
.m:Missing		258	248
.w:Not working		4759	4601
1.never		2128	1695
2.less than once a year		200	166
3.a few times a year		144	112
4.a few times a month		54	47
5.at least once a week		40	46
6.almost everyday		31	30

Value-----	R11JKRACE	
.c:not in self-completion m	13142	
.e:Skip pattern error		94
.m:Missing		395
.w:Not working		4530
1.never		1938
2.less than once a year		177
3.a few times a year		125
4.a few times a month		57
5.at least once a week		41
6.almost everyday		55

Value-----	S8JKRACE	S9JKRACE	S10JKRACE
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error		72	116
.m:Missing		144	135
.u:not coupled		6424	6212
.v:SP NR		317	365
.w:Not working		3019	2745
1.never		1604	1193
2.less than once a year		145	123
3.a few times a year		117	88
4.a few times a month		47	32
5.at least once a week		23	33
6.almost everyday		19	20

Value-----	S11JKRACE	
.c:not in self-completion m	7840	
.e:Skip pattern error		41
.m:Missing		217
.u:not coupled		7483
.v:SP NR		595
.w:Not working		2700
1.never		1386
2.less than once a year		117
3.a few times a year		81
4.a few times a month		34
5.at least once a week		27
6.almost everyday		33

Value-----	R8WTWICE	R9WTWICE	R10WTWICE
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error		117	138
.m:Missing		258	247
.w:Not working		4758	4591
1.never		1626	1354
2.less than once a year		213	139
3.a few times a year		304	229
4.a few times a month		137	125
5.at least once a week		118	104
6.almost everyday		199	146

Value-----	R11WTWICE	
.c:not in self-completion m	13142	
.e:Skip pattern error		94

.m:Missing		400
.w:Not working		4530
1.never		1454
2.less than once a year		175
3.a few times a year		224
4.a few times a month		167
5.at least once a week		155
6.almost everyday		213

Value-----	S8WTWICE	S9WTWICE	S10WTWICE
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error		73	113
.m:Missing		142	135
.u:not coupled		6424	7804
.v:SP NR		317	722
.w:Not working		3018	3011
1.never		1218	1287
2.less than once a year		165	153
3.a few times a year		244	227
4.a few times a month		99	139
5.at least once a week		83	105
6.almost everyday		148	106

Value-----	S11WTWICE	
.c:not in self-completion m	7840	
.e:Skip pattern error		41
.m:Missing		218
.u:not coupled		7483
.v:SP NR		595
.w:Not working		2700
1.never		1030
2.less than once a year		111
3.a few times a year		154
4.a few times a month		130
5.at least once a week		111
6.almost everyday		141

Value-----	R8NTBOSS	R9NTBOSS	R10NTBOSS
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error		115	185
.m:Missing		268	264
.w:Not working		4760	4969
1.never		1702	1940
2.less than once a year		314	313
3.a few times a year		294	319
4.a few times a month		109	127
5.at least once a week		82	99
6.almost everyday		86	116

Value-----	R11NTBOSS	
.c:not in self-completion m	13142	
.e:Skip pattern error		95
.m:Missing		396
.w:Not working		4529
1.never		1566
2.less than once a year		226
3.a few times a year		255
4.a few times a month		130
5.at least once a week		103
6.almost everyday		112

Value-----	S8NTBOSS	S9NTBOSS	S10NTBOSS
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error		71	112
.m:Missing		150	138
.u:not coupled		6424	7804
.v:SP NR		317	722
.w:Not working		3020	3012
1.never		1291	1400
2.less than once a year		237	222
3.a few times a year		224	216
4.a few times a month		80	86
5.at least once a week		54	75
6.almost everyday		63	74

Value-----	S11NTBOSS
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.c:not in self-completion m	7840
.e:Skip pattern error	42
.m:Missing	218
.u:not coupled	7483
.v:SP NR	595
.w:Not working	2699
1.never	1124
2.less than once a year	164
3.a few times a year	167
4.a few times a month	90
5.at least once a week	62
6.almost everyday	70

Value-----	R8WHUML	R9WHUML	R10WHUML
.c:not in self-completion m	10739	10144	13702
.e:Skip pattern error	116	130	189
.m:Missing	259	248	260
.w:Not working	4759	4599	4965
1.never	2125	1680	2394
2.less than once a year	278	231	299
3.a few times a year	130	108	137
4.a few times a month	34	38	47
5.at least once a week	19	19	25
6.almost everyday	10	20	16

Value-----	R11WHUML
.c:not in self-completion m	13142
.e:Skip pattern error	92
.m:Missing	398
.w:Not working	4532
1.never	1923
2.less than once a year	258
3.a few times a year	123
4.a few times a month	32
5.at least once a week	31
6.almost everyday	23

Value-----	S8WHUML	S9WHUML	S10WHUML
.c:not in self-completion m	6538	6211	8173
.e:Skip pattern error	71	72	114
.m:Missing	146	121	134
.u:not coupled	6424	6212	7804
.v:SP NR	317	365	722
.w:Not working	3020	2744	3010
1.never	1613	1202	1730
2.less than once a year	207	165	203
3.a few times a year	93	71	90
4.a few times a month	21	26	27
5.at least once a week	13	13	18
6.almost everyday	6	15	9

Value-----	S11WHUML
.c:not in self-completion m	7840
.e:Skip pattern error	41
.m:Missing	218
.u:not coupled	7483
.v:SP NR	595
.w:Not working	2700
1.never	1374
2.less than once a year	171
3.a few times a year	74
4.a few times a month	22
5.at least once a week	22
6.almost everyday	14

### How Constructed:

RwUFTASK indicates how often the respondent is unfairly given tasks at work that no one else wants to do in the last 12 months.

RwCLOSLY indicates how often the respondent is watched more closely at work than others in the last 12 months.

RwJKRACE indicates how often the respondent is bothered by their supervisor or coworkers making slurs or jokes about women or racial or ethnic groups at work in the last 12 months.

RwWTTWICE indicates how often the respondent feels they have to work twice as hard as others at work in the last 12 months.

RwNTBOSS indicates how often the respondent feels that they are ignored or not taken seriously by their boss in the last 12 months.

RwWHUML indicates how often the respondent has been unfairly humiliated in front of others at work in the last 12 months.

RwUFTASK, RwcLOSly, RwkKRACE, RwwTTWICE, RwnTBOSS and RwwHUML are coded as follows: 1. never, 2. less than once a year, 3. a few times a year, 4. a few times a month, 5. at least once a week, and 6. almost everyday. Special missing .w is assigned if the respondent indicates they are not currently working. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .e is assigned if the respondent answered the question but did not follow the skip pattern as instructed. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwUFTASK, SwcLOSly, SwkKRACE, SwwTTWICE, SwnTBOSS and SwwHUML indicate how often the respondent's current wave's spouse agrees with the job discrimination statements for the past year, and their values are taken from the spouse's values to RwUFTASK, RwcLOSly, RwkKRACE, RwwTTWICE, RwnTBOSS and RwwHUML. In addition to the special missing codes used in RwUFTASK, RwcLOSly, RwkKRACE, RwwTTWICE, RwnTBOSS and RwwHUML, SwUFTASK, SwcLOSly, SwkKRACE, SwwTTWICE, SwnTBOSS and SwwHUML employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDCWORK indicates the mean of the six different job discrimination questions (RwUFTASK, RwcLOSly, RwkKRACE, RwwTTWICE, RwnTBOSS and RwwHUML) and can be used as a summary score. RwDCWORK is calculated for any respondent with at least one non-missing value for its six components. RwDCWORKM counts the number of components with missing values in RwDCWORK, which could be between no missing components (0) and six missing components (6). Special missing .c is assigned to RwDCWORK and RwDCWORKM if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .e is assigned to RwDCWORK if the respondent answered the question but did not follow the skip pattern as instructed. Special missing .m is assigned to RwDCWORK if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwDCWORK and SwDCWORKM indicate the mean summary score of six different job discrimination questions and the count of any missing components for the respondent's current wave's spouse, and their values are taken from the spouse's values to RwDCWORK and RwDCWORKM. In addition to the special missing codes used in RwDCWORK and SwDCWORKM, SwDCWORK and SwDCWORKM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The questions related to work discrimination were added in Wave 8 and were no longer asked starting in Wave 12.

### HRS Variables Used:

Wave 8:

KLB045	q45. currently working
KLB049A	q49a. unfairly given the tasks at work
KLB049B	q49b. watched more closely than others
KLB049C	q49c. bothered by supervisor/coworker
KLB049D	q49d. have to work twice as hard as oth

KLB049E q49e. feel ignored by boss  
KLB049F q49f. unfairly humiliated in frt of oths  
KLBCOMP mode completed leave behind qnaire

## Wave 9:

LLB045 q45. currently working  
LLB049A q49a. unfairly given the tasks at work  
LLB049B q49b. watched more closely than others  
LLB049C q49c. bothered by supervisor/coworker  
LLB049D q49d. have to work twice as hard as oth  
LLB049E q49e. feel ignored by boss  
LLB049F q49f. unfairly humiliated  
LLBCOMP mode completed leave behind qnaire

## Wave 10:

MLB045 q45. currently working  
MLB049A q49a. unfairly given the tasks at work  
MLB049B q49b. watched more closely than others  
MLB049C q49c. bothered by supervisor/coworker  
MLB049D q49d. have to work twice as hard as oth  
MLB049E q49e. feel ignored by boss  
MLB049F q49f. unfairly humiliated  
MLBCOMP mode completed leave behind qnaire

## Wave 11:

NLB079 q79. currently working  
NLB083A q83a. unfairly given the tasks at work  
NLB083B q83b. watched more closely than others  
NLB083C q83c. bothered by supervisor/coworker  
NLB083D q83d. have to work twice as hard as oth  
NLB083E q83e. feel ignored by boss  
NLB083F q83f. unfairly humiliated  
NLBCOMP mode completed leave behind qnaire



## **Section O: End of Life Planning**

<b>Will or Trust: Whether Has a Will or Trust</b>
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Wave	Variable	Label	Type
02	R2WITWILL	r2witwill:w2 r has a witnessed will	Categ
03	R3WITWILL	r3witwill:w3 r has a witnessed will	Categ
04	R4WITWILL	r4witwill:w4 r has a witnessed will	Categ
05	R5WITWILL	r5witwill:w5 r has a witnessed will	Categ
06	R6WITWILL	r6witwill:w6 r has a witnessed will	Categ
07	R7WITWILL	r7witwill:w7 r has a witnessed will	Categ
08	R8WITWILL	r8witwill:w8 r has a witnessed will	Categ
09	R9WITWILL	r9witwill:w9 r has a witnessed will	Categ
10	R10WITWILL	r10witwill:w10 r has a witnessed will	Categ
11	R11WITWILL	r11witwill:w11 r has a witnessed will	Categ
12	R12WITWILL	r12witwill:w12 r has a witnessed will	Categ
13	R13WITWILL	r13witwill:w13 r has a witnessed will	Categ
14	R14WITWILL	r14witwill:w14 r has a witnessed will	Categ
15	R15WITWILL	r15witwill:w15 r has a witnessed will	Categ
02	S2WITWILL	s2witwill:w2 s has a witnessed will	Categ
03	S3WITWILL	s3witwill:w3 s has a witnessed will	Categ
04	S4WITWILL	s4witwill:w4 s has a witnessed will	Categ
05	S5WITWILL	s5witwill:w5 s has a witnessed will	Categ
06	S6WITWILL	s6witwill:w6 s has a witnessed will	Categ
07	S7WITWILL	s7witwill:w7 s has a witnessed will	Categ
08	S8WITWILL	s8witwill:w8 s has a witnessed will	Categ
09	S9WITWILL	s9witwill:w9 s has a witnessed will	Categ
10	S10WITWILL	s10witwill:w10 s has a witnessed will	Categ
11	S11WITWILL	s11witwill:w11 s has a witnessed will	Categ
12	S12WITWILL	s12witwill:w12 s has a witnessed will	Categ
13	S13WITWILL	s13witwill:w13 s has a witnessed will	Categ
14	S14WITWILL	s14witwill:w14 s has a witnessed will	Categ
15	S15WITWILL	s15witwill:w15 s has a witnessed will	Categ
02	R2WTRUST	r2wtrust:w2 r has a trust	Categ
03	R3WTRUST	r3wtrust:w3 r has a trust	Categ
04	R4WTRUST	r4wtrust:w4 r has a trust	Categ
05	R5WTRUST	r5wtrust:w5 r has a trust	Categ
06	R6WTRUST	r6wtrust:w6 r has a trust	Categ
07	R7WTRUST	r7wtrust:w7 r has a trust	Categ
08	R8WTRUST	r8wtrust:w8 r has a trust	Categ
09	R9WTRUST	r9wtrust:w9 r has a trust	Categ
10	R10WTRUST	r10wtrust:w10 r has a trust	Categ
11	R11WTRUST	r11wtrust:w11 r has a trust	Categ
12	R12WTRUST	r12wtrust:w12 r has a trust	Categ
13	R13WTRUST	r13wtrust:w13 r has a trust	Categ
14	R14WTRUST	r14wtrust:w14 r has a trust	Categ
15	R15WTRUST	r15wtrust:w15 r has a trust	Categ
02	S2WTRUST	s2wtrust:w2 s has a trust	Categ
03	S3WTRUST	s3wtrust:w3 s has a trust	Categ
04	S4WTRUST	s4wtrust:w4 s has a trust	Categ
05	S5WTRUST	s5wtrust:w5 s has a trust	Categ
06	S6WTRUST	s6wtrust:w6 s has a trust	Categ
07	S7WTRUST	s7wtrust:w7 s has a trust	Categ
08	S8WTRUST	s8wtrust:w8 s has a trust	Categ
09	S9WTRUST	s9wtrust:w9 s has a trust	Categ
10	S10WTRUST	s10wtrust:w10 s has a trust	Categ
11	S11WTRUST	s11wtrust:w11 s has a trust	Categ
12	S12WTRUST	s12wtrust:w12 s has a trust	Categ
13	S13WTRUST	s13wtrust:w13 s has a trust	Categ

14 S14WTRUST s14wtrust:w14 s has a trust  
 15 S15WTRUST s15wtrust:w15 s has a trust

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## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2WITWILL	8126	0.66	0.47	0.00	1.00
R3WITWILL	17851	0.56	0.50	0.00	1.00
R4WITWILL	21200	0.55	0.50	0.00	1.00
R5WITWILL	19425	0.57	0.50	0.00	1.00
R6WITWILL	18028	0.58	0.49	0.00	1.00
R7WITWILL	19964	0.53	0.50	0.00	1.00
R8WITWILL	18333	0.55	0.50	0.00	1.00
R9WITWILL	17109	0.55	0.50	0.00	1.00
R10WITWILL	21624	0.45	0.50	0.00	1.00
R11WITWILL	20368	0.46	0.50	0.00	1.00
R12WITWILL	18571	0.46	0.50	0.00	1.00
R13WITWILL	20649	0.40	0.49	0.00	1.00
R14WITWILL	16894	0.40	0.49	0.00	1.00
R15WITWILL	15392	0.42	0.49	0.00	1.00
S2WITWILL	4321	0.72	0.45	0.00	1.00
S3WITWILL	11863	0.58	0.49	0.00	1.00
S4WITWILL	13910	0.57	0.49	0.00	1.00
S5WITWILL	12676	0.59	0.49	0.00	1.00
S6WITWILL	11579	0.60	0.49	0.00	1.00
S7WITWILL	12899	0.55	0.50	0.00	1.00
S8WITWILL	11669	0.56	0.50	0.00	1.00
S9WITWILL	10600	0.57	0.49	0.00	1.00
S10WITWILL	13297	0.47	0.50	0.00	1.00
S11WITWILL	12406	0.47	0.50	0.00	1.00
S12WITWILL	10949	0.47	0.50	0.00	1.00
S13WITWILL	11682	0.42	0.49	0.00	1.00
S14WITWILL	9261	0.43	0.50	0.00	1.00
S15WITWILL	8343	0.44	0.50	0.00	1.00
R2WTRUST	11274	0.03	0.17	0.00	1.00
R3WTRUST	17851	0.02	0.12	0.00	1.00
R4WTRUST	21200	0.02	0.13	0.00	1.00
R5WTRUST	19425	0.02	0.15	0.00	1.00
R6WTRUST	18028	0.03	0.17	0.00	1.00
R7WTRUST	19964	0.03	0.16	0.00	1.00
R8WTRUST	18333	0.03	0.16	0.00	1.00
R9WTRUST	17109	0.03	0.17	0.00	1.00
R10WTRUST	21624	0.02	0.13	0.00	1.00
R11WTRUST	20368	0.01	0.10	0.00	1.00
R12WTRUST	18571	0.01	0.10	0.00	1.00
R13WTRUST	20649	0.01	0.10	0.00	1.00
R14WTRUST	16894	0.03	0.17	0.00	1.00
R15WTRUST	15392	0.04	0.19	0.00	1.00
S2WTRUST	8686	0.03	0.18	0.00	1.00
S3WTRUST	11863	0.02	0.13	0.00	1.00
S4WTRUST	13910	0.02	0.13	0.00	1.00
S5WTRUST	12676	0.02	0.15	0.00	1.00
S6WTRUST	11579	0.03	0.17	0.00	1.00
S7WTRUST	12899	0.03	0.16	0.00	1.00
S8WTRUST	11669	0.03	0.17	0.00	1.00
S9WTRUST	10600	0.03	0.17	0.00	1.00
S10WTRUST	13297	0.02	0.13	0.00	1.00
S11WTRUST	12406	0.01	0.11	0.00	1.00
S12WTRUST	10949	0.01	0.10	0.00	1.00

S13WTRUST	11682	0.01	0.10	0.00	1.00
S14WTRUST	9261	0.04	0.19	0.00	1.00
S15WTRUST	8343	0.05	0.21	0.00	1.00

### Categorical Variable Codes

Value-----	R2WITWILL	R3WITWILL	R4WITWILL	R5WITWILL
.d:DK	27	27	58	62
.m:Missing	35	78	69	46
.q:not available this wave	11595			
.r:Refuse	34	35	57	45
0.no	2735	7906	9456	8420
1.yes	5391	9945	11744	11005

Value-----	R6WITWILL	R7WITWILL	R8WITWILL	R9WITWILL	R10WITWILL
.d:DK	70	77	73	43	69
.m:Missing	18	36	21	23	278
.r:Refuse	49	52	42	42	63
0.no	7638	9415	8332	7699	11810
1.yes	10390	10549	10001	9410	9814

Value-----	R11WITWILL	R12WITWILL	R13WITWILL	R14WITWILL	R15WITWILL
.d:DK	60	60	45	61	97
.m:Missing	60	62	138	120	169
.r:Refuse	66	54	80	71	65
0.no	11075	10075	12384	10082	8961
1.yes	9293	8496	8265	6812	6431

Value-----	S2WITWILL	S3WITWILL	S4WITWILL	S5WITWILL
.d:DK	13	10	27	25
.m:Missing	3	23	16	8
.q:not available this wave	8738			
.r:Refuse	13	20	25	21
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
0.no	1217	4963	5913	5226
1.yes	3104	6900	7997	7450

Value-----	S6WITWILL	S7WITWILL	S8WITWILL	S9WITWILL	S10WITWILL
.d:DK	28	28	30	18	33
.m:Missing	6	12	5	5	149
.r:Refuse	19	29	24	17	29
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	4677	5851	5092	4535	6987
1.yes	6902	7048	6577	6065	6310

Value-----	S11WITWILL	S12WITWILL	S13WITWILL	S14WITWILL	S15WITWILL
.d:DK	25	25	15	32	54
.m:Missing	14	18	38	36	32
.r:Refuse	31	20	43	29	37
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	6527	5773	6781	5284	4646
1.yes	5879	5176	4901	3977	3697

Value-----	R2WTRUST	R3WTRUST	R4WTRUST	R5WTRUST
.d:DK	15	27	58	62
.m:Missing	147	78	69	46
.q:not available this wave	8222			
.r:Refuse	34	35	57	45
0.no	10943	17583	20856	18989
1.yes	331	268	344	436

Value-----	R6WTRUST	R7WTRUST	R8WTRUST	R9WTRUST	R10WTRUST
.d:DK	70	77	73	43	69
.m:Missing	18	36	21	23	278
.r:Refuse	49	52	42	42	63
0.no	17507	19431	17828	16607	21279
1.yes	521	533	505	502	345

Value-----	R11WTRUST	R12WTRUST	R13WTRUST	R14WTRUST	R15WTRUST
.d:DK	60	60	45	61	97

.m:Missing		60	62	138	120	169
.r:Refuse		66	54	80	71	65
0.no		20144	18376	20460	16392	14804
1.yes		224	195	189	502	588
Value-----			S2WTRUST	S3WTRUST	S4WTRUST	S5WTRUST
.d:DK			12	10	27	25
.m:Missing			16	23	16	8
.q:not available this wave			4350			
.r:Refuse			24	20	25	21
.u:not coupled			5976	5659	6870	6537
.v:SP NR			578	416	536	311
0.no			8396	11672	13671	12392
1.yes			290	191	239	284
Value-----		S6WTRUST	S7WTRUST	S8WTRUST	S9WTRUST	S10WTRUST
.d:DK		28	28	30	18	33
.m:Missing		6	12	5	5	149
.r:Refuse		19	29	24	17	29
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
0.no		11237	12540	11324	10271	13063
1.yes		342	359	345	329	234
Value-----		S11WTRUST	S12WTRUST	S13WTRUST	S14WTRUST	S15WTRUST
.d:DK		25	25	15	32	54
.m:Missing		14	18	38	36	32
.r:Refuse		31	20	43	29	37
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		12249	10831	11565	8929	7945
1.yes		157	118	117	332	398

### How Constructed:

RwWITWILL indicates whether the respondent has a will that is written and witnessed. In the AHEAD cohorts in Waves 2 and 3 and in the HRS cohort in Wave 3 and onward, the respondent is asked if they currently have a will that is written and witnessed. RwWITWILL is coded as 0 if the respondent does not have a will that is written and witnessed. RwWITWILL is coded as 1 if the respondent does have a will that is written and witnessed. This question is not asked in Wave 1 or in the HRS cohort in Wave 2, and so RwWITWILL is assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwWITWILL is set to plain missing (.) for respondents who did not participate in the current wave.

SwWITWILL indicates whether the respondent's spouse has a will that is written and witnessed, and its values are taken from RwWITWILL. In addition to the special missing codes used in RwWITWILL, SwWITWILL employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwTRUST indicates whether the respondent has a trust. In the HRS cohort in Wave 2, the respondent is asked if they or their husband/wife/partner has put any of their assets into a trust. In the AHEAD and HRS cohorts in Wave 3 and onward, the respondent is asked if they currently have a will that is written and witnessed, at which point the respondent can voluntarily answer that they have a trust in replacement of or in addition to a will. RwTRUST is coded as 0 if the respondent does not have a trust or does not mention a trust. RwTRUST is coded as 1 if the respondent does have a trust or does mention a trust. Wills and trusts are not asked about in HRS Wave 1, so these variables are not available. There is no option for claiming possession of a trust in the AHEAD cohort in Wave 2, and so RwTRUST is assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwTRUST is set to plain missing (.) for respondents who did not participate in the current wave.

SwTRUST indicates whether the respondent's spouse has a trust, and its values are taken from RwTRUST. In addition to the special missing codes used in RwTRUST, SwTRUST employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Neither wills nor trusts are asked about in HRS Wave 1. Only wills are asked about in the AHEAD cohorts in Waves 2 and 3. Only trusts are asked about in the HRS cohort in Wave 2. Starting in the AHEAD and HRS cohorts in Wave 3, the respondent is asked if they currently have a will, but voluntary answers about the possession of a trust in replacement of or in addition to a will are allowed. Starting in HRS Wave 13, interviewers are explicitly instructed not to include living wills when the respondent is asked if they currently have a will.

## HRS Variables Used:

Wave 2 AHEAD:	
B1690	j55. r will: have one
BN_INHH	ahd w1: # r's responding in hhold
Wave 2 HRS:	
W5557	k25.put assets into trus
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D4768	j90. r has will
Wave 3 HRS:	
E4769	j323.r has will
Wave 4:	
F5529	j323.r has will
Wave 5:	
G5882	j323.r has will
Wave 6:	
HT001	does r have valid will
Wave 7:	
JT001	does r have valid will
Wave 8:	
KT001	does r have valid will
Wave 9:	
LT001	does r have valid will
Wave 10:	
MT001	does r have valid will
Wave 11:	
NT001	does r have valid will
Wave 12:	
OT001	does r have valid will
Wave 13:	
PT001	does r have valid will
Wave 14:	
QT001	does r have valid will
Wave 15:	
RT001	does r have valid will

<b>Will or Trust: Beneficiaries of Will or Trust</b>
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Wave	Variable	Label	Type
02	R2WILLSP	r2willsp:w2 r trust has provisions for spouse	Categ
02	S2WILLSP	s2willsp:w2 s trust has provisions for spouse	Categ
02	R2WILLCG	r2willcg:w2 r trust has provisions for child/grandchild	Categ
02	S2WILLCG	s2willcg:w2 s trust has provisions for child/grandchild	Categ
02	R2WILLRL	r2willrl:w2 r trust has provisions for relative	Categ
02	S2WILLRL	s2willrl:w2 s trust has provisions for relative	Categ
02	R2WILLOT	r2willot:w2 r trust has provisions for other	Categ
02	S2WILLOT	s2willot:w2 s trust has provisions for other	Categ
02	R2WILLIN	r2willin:w2 r trust has provisions for charity	Categ
02	S2WILLIN	s2willin:w2 s trust has provisions for charity	Categ
02	R2WILLFM	r2willfm:w2 r will has provisions for family other than spou	Categ
03	R3WILLFM	r3willfm:w3 r will has provisions for family other than spou	Categ
04	R4WILLFM	r4willfm:w4 r will has provisions for family other than spou	Categ
05	R5WILLFM	r5willfm:w5 r will has provisions for family other than spou	Categ
06	R6WILLFM	r6willfm:w6 r will has provisions for family other than spou	Categ
07	R7WILLFM	r7willfm:w7 r will has provisions for family other than spou	Categ
08	R8WILLFM	r8willfm:w8 r will has provisions for family other than spou	Categ
09	R9WILLFM	r9willfm:w9 r will has provisions for family other than spou	Categ
10	R10WILLFM	r10willfm:w10 r will has provisions for family other than sp	Categ
11	R11WILLFM	r11willfm:w11 r will has provisions for family other than sp	Categ
12	R12WILLFM	r12willfm:w12 r will has provisions for family other than sp	Categ
13	R13WILLFM	r13willfm:w13 r will has provisions for family other than sp	Categ
14	R14WILLFM	r14willfm:w14 r will has provisions for family other than sp	Categ
15	R15WILLFM	r15willfm:w15 r will has provisions for family other than sp	Categ
02	S2WILLFM	s2willfm:w2 s will has provisions for family other than spou	Categ
03	S3WILLFM	s3willfm:w3 s will has provisions for family other than spou	Categ
04	S4WILLFM	s4willfm:w4 s will has provisions for family other than spou	Categ
05	S5WILLFM	s5willfm:w5 s will has provisions for family other than spou	Categ
06	S6WILLFM	s6willfm:w6 s will has provisions for family other than spou	Categ
07	S7WILLFM	s7willfm:w7 s will has provisions for family other than spou	Categ
08	S8WILLFM	s8willfm:w8 s will has provisions for family other than spou	Categ
09	S9WILLFM	s9willfm:w9 s will has provisions for family other than spou	Categ
10	S10WILLFM	s10willfm:w10 s will has provisions for family other than sp	Categ
11	S11WILLFM	s11willfm:w11 s will has provisions for family other than sp	Categ
12	S12WILLFM	s12willfm:w12 s will has provisions for family other than sp	Categ
13	S13WILLFM	s13willfm:w13 s will has provisions for family other than sp	Categ
14	S14WILLFM	s14willfm:w14 s will has provisions for family other than sp	Categ
15	S15WILLFM	s15willfm:w15 s will has provisions for family other than sp	Categ
02	R2WILLCH	r2willch:w2 r will has provisions for children	Categ
03	R3WILLCH	r3willch:w3 r will has provisions for children	Categ
04	R4WILLCH	r4willch:w4 r will has provisions for children	Categ
05	R5WILLCH	r5willch:w5 r will has provisions for children	Categ
06	R6WILLCH	r6willch:w6 r will has provisions for children	Categ
07	R7WILLCH	r7willch:w7 r will has provisions for children	Categ
08	R8WILLCH	r8willch:w8 r will has provisions for children	Categ

09	R9WILLCH	r9willch:w9	r will has provisions for children	Categ
10	R10WILLCH	r10willch:w10	r will has provisions for children	Categ
11	R11WILLCH	r11willch:w11	r will has provisions for children	Categ
12	R12WILLCH	r12willch:w12	r will has provisions for children	Categ
13	R13WILLCH	r13willch:w13	r will has provisions for children	Categ
14	R14WILLCH	r14willch:w14	r will has provisions for children	Categ
15	R15WILLCH	r15willch:w15	r will has provisions for children	Categ
02	S2WILLCH	s2willch:w2	s will has provisions for children	Categ
03	S3WILLCH	s3willch:w3	s will has provisions for children	Categ
04	S4WILLCH	s4willch:w4	s will has provisions for children	Categ
05	S5WILLCH	s5willch:w5	s will has provisions for children	Categ
06	S6WILLCH	s6willch:w6	s will has provisions for children	Categ
07	S7WILLCH	s7willch:w7	s will has provisions for children	Categ
08	S8WILLCH	s8willch:w8	s will has provisions for children	Categ
09	S9WILLCH	s9willch:w9	s will has provisions for children	Categ
10	S10WILLCH	s10willch:w10	s will has provisions for children	Categ
11	S11WILLCH	s11willch:w11	s will has provisions for children	Categ
12	S12WILLCH	s12willch:w12	s will has provisions for children	Categ
13	S13WILLCH	s13willch:w13	s will has provisions for children	Categ
14	S14WILLCH	s14willch:w14	s will has provisions for children	Categ
15	S15WILLCH	s15willch:w15	s will has provisions for children	Categ
02	R2WILLGK	r2willgk:w2	r will has provisions for grandchildren	Categ
03	R3WILLGK	r3willgk:w3	r will has provisions for grandchildren	Categ
04	R4WILLGK	r4willgk:w4	r will has provisions for grandchildren	Categ
05	R5WILLGK	r5willgk:w5	r will has provisions for grandchildren	Categ
06	R6WILLGK	r6willgk:w6	r will has provisions for grandchildren	Categ
07	R7WILLGK	r7willgk:w7	r will has provisions for grandchildren	Categ
08	R8WILLGK	r8willgk:w8	r will has provisions for grandchildren	Categ
09	R9WILLGK	r9willgk:w9	r will has provisions for grandchildren	Categ
10	R10WILLGK	r10willgk:w10	r will has provisions for grandchildren	Categ
11	R11WILLGK	r11willgk:w11	r will has provisions for grandchildren	Categ
12	R12WILLGK	r12willgk:w12	r will has provisions for grandchildren	Categ
13	R13WILLGK	r13willgk:w13	r will has provisions for grandchildren	Categ
14	R14WILLGK	r14willgk:w14	r will has provisions for grandchildren	Categ
15	R15WILLGK	r15willgk:w15	r will has provisions for grandchildren	Categ
02	S2WILLGK	s2willgk:w2	s will has provisions for grandchildren	Categ
03	S3WILLGK	s3willgk:w3	s will has provisions for grandchildren	Categ
04	S4WILLGK	s4willgk:w4	s will has provisions for grandchildren	Categ
05	S5WILLGK	s5willgk:w5	s will has provisions for grandchildren	Categ
06	S6WILLGK	s6willgk:w6	s will has provisions for grandchildren	Categ
07	S7WILLGK	s7willgk:w7	s will has provisions for grandchildren	Categ
08	S8WILLGK	s8willgk:w8	s will has provisions for grandchildren	Categ
09	S9WILLGK	s9willgk:w9	s will has provisions for grandchildren	Categ
10	S10WILLGK	s10willgk:w10	s will has provisions for grandchildren	Categ
11	S11WILLGK	s11willgk:w11	s will has provisions for grandchildren	Categ
12	S12WILLGK	s12willgk:w12	s will has provisions for grandchildren	Categ
13	S13WILLGK	s13willgk:w13	s will has provisions for grandchildren	Categ
14	S14WILLGK	s14willgk:w14	s will has provisions for grandchildren	Categ
15	S15WILLGK	s15willgk:w15	s will has provisions for grandchildren	Categ
02	R2WILLAR	r2willar:w2	r will has provisions for charity	Categ
03	R3WILLAR	r3willar:w3	r will has provisions for charity	Categ
04	R4WILLAR	r4willar:w4	r will has provisions for charity	Categ
05	R5WILLAR	r5willar:w5	r will has provisions for charity	Categ
06	R6WILLAR	r6willar:w6	r will has provisions for charity	Categ
07	R7WILLAR	r7willar:w7	r will has provisions for charity	Categ
08	R8WILLAR	r8willar:w8	r will has provisions for charity	Categ
09	R9WILLAR	r9willar:w9	r will has provisions for charity	Categ
10	R10WILLAR	r10willar:w10	r will has provisions for charity	Categ
11	R11WILLAR	r11willar:w11	r will has provisions for charity	Categ



12	R12WILLAR	r12willar:w12	r will has provisions for charity	Categ
13	R13WILLAR	r13willar:w13	r will has provisions for charity	Categ
14	R14WILLAR	r14willar:w14	r will has provisions for charity	Categ
15	R15WILLAR	r15willar:w15	r will has provisions for charity	Categ
02	S2WILLAR	s2willar:w2	s will has provisions for charity	Categ
03	S3WILLAR	s3willar:w3	s will has provisions for charity	Categ
04	S4WILLAR	s4willar:w4	s will has provisions for charity	Categ
05	S5WILLAR	s5willar:w5	s will has provisions for charity	Categ
06	S6WILLAR	s6willar:w6	s will has provisions for charity	Categ
07	S7WILLAR	s7willar:w7	s will has provisions for charity	Categ
08	S8WILLAR	s8willar:w8	s will has provisions for charity	Categ
09	S9WILLAR	s9willar:w9	s will has provisions for charity	Categ
10	S10WILLAR	s10willar:w10	s will has provisions for charity	Categ
11	S11WILLAR	s11willar:w11	s will has provisions for charity	Categ
12	S12WILLAR	s12willar:w12	s will has provisions for charity	Categ
13	S13WILLAR	s13willar:w13	s will has provisions for charity	Categ
14	S14WILLAR	s14willar:w14	s will has provisions for charity	Categ
15	S15WILLAR	s15willar:w15	s will has provisions for charity	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2WILLSP	327	0.35	0.48	0.00	1.00
S2WILLSP	288	0.40	0.49	0.00	1.00
R2WILLCG	327	0.83	0.37	0.00	1.00
S2WILLCG	288	0.83	0.38	0.00	1.00
R2WILLRL	327	0.05	0.22	0.00	1.00
S2WILLRL	288	0.04	0.20	0.00	1.00
R2WILLLOT	327	0.04	0.19	0.00	1.00
S2WILLLOT	288	0.03	0.16	0.00	1.00
R2WILLIN	327	0.04	0.19	0.00	1.00
S2WILLIN	288	0.03	0.18	0.00	1.00
R2WILLFM	5345	0.88	0.32	0.00	1.00
R3WILLFM	10024	0.88	0.33	0.00	1.00
R4WILLFM	11849	0.88	0.33	0.00	1.00
R5WILLFM	11094	0.89	0.31	0.00	1.00
R6WILLFM	10506	0.89	0.32	0.00	1.00
R7WILLFM	10715	0.89	0.31	0.00	1.00
R8WILLFM	10148	0.90	0.31	0.00	1.00
R9WILLFM	9592	0.88	0.32	0.00	1.00
R10WILLFM	9920	0.88	0.32	0.00	1.00
R11WILLFM	9331	0.88	0.33	0.00	1.00
R12WILLFM	8529	0.89	0.32	0.00	1.00
R13WILLFM	8310	0.88	0.33	0.00	1.00
R14WILLFM	6908	0.88	0.32	0.00	1.00
R15WILLFM	6513	0.89	0.32	0.00	1.00
S2WILLFM	3084	0.84	0.37	0.00	1.00
S3WILLFM	6962	0.85	0.36	0.00	1.00
S4WILLFM	8071	0.85	0.36	0.00	1.00
S5WILLFM	7525	0.86	0.35	0.00	1.00

S6WILLFM	6998	0.86	0.35	0.00	1.00
S7WILLFM	7195	0.86	0.34	0.00	1.00
S8WILLFM	6694	0.87	0.33	0.00	1.00
S9WILLFM	6198	0.85	0.36	0.00	1.00
S10WILLFM	6410	0.86	0.34	0.00	1.00
S11WILLFM	5930	0.86	0.35	0.00	1.00
S12WILLFM	5203	0.86	0.34	0.00	1.00
S13WILLFM	4950	0.86	0.35	0.00	1.00
S14WILLFM	4049	0.86	0.35	0.00	1.00
S15WILLFM	3760	0.87	0.34	0.00	1.00
R2WILLCH	5339	0.77	0.42	0.00	1.00
R3WILLCH	9364	0.84	0.36	0.00	1.00
R4WILLCH	11094	0.85	0.36	0.00	1.00
R5WILLCH	10479	0.86	0.35	0.00	1.00
R6WILLCH	9971	0.86	0.35	0.00	1.00
R7WILLCH	10157	0.86	0.35	0.00	1.00
R8WILLCH	9634	0.87	0.34	0.00	1.00
R9WILLCH	9127	0.85	0.36	0.00	1.00
R10WILLCH	9414	0.85	0.35	0.00	1.00
R11WILLCH	8847	0.85	0.36	0.00	1.00
R12WILLCH	8063	0.85	0.35	0.00	1.00
R13WILLCH	7820	0.84	0.36	0.00	1.00
R14WILLCH	6478	0.84	0.36	0.00	1.00
R15WILLCH	6107	0.85	0.35	0.00	1.00
S2WILLCH	3083	0.78	0.42	0.00	1.00
S3WILLCH	6718	0.82	0.38	0.00	1.00
S4WILLCH	7810	0.83	0.38	0.00	1.00
S5WILLCH	7319	0.84	0.37	0.00	1.00
S6WILLCH	6839	0.84	0.37	0.00	1.00
S7WILLCH	7009	0.84	0.37	0.00	1.00
S8WILLCH	6516	0.85	0.36	0.00	1.00
S9WILLCH	6049	0.83	0.38	0.00	1.00
S10WILLCH	6232	0.84	0.37	0.00	1.00
S11WILLCH	5764	0.84	0.37	0.00	1.00
S12WILLCH	5038	0.84	0.37	0.00	1.00
S13WILLCH	4773	0.83	0.37	0.00	1.00
S14WILLCH	3891	0.84	0.37	0.00	1.00
S15WILLCH	3634	0.84	0.36	0.00	1.00
R2WILLGK	3424	0.16	0.36	0.00	1.00
R3WILLGK	6592	0.14	0.34	0.00	1.00
R4WILLGK	7566	0.12	0.33	0.00	1.00
R5WILLGK	6612	0.13	0.34	0.00	1.00
R6WILLGK	6163	0.14	0.35	0.00	1.00
R7WILLGK	6015	0.13	0.34	0.00	1.00
R8WILLGK	5890	0.14	0.34	0.00	1.00
R9WILLGK	7154	0.14	0.34	0.00	1.00
R10WILLGK	7640	0.14	0.35	0.00	1.00
R11WILLGK	7462	0.14	0.35	0.00	1.00
R12WILLGK	6846	0.15	0.35	0.00	1.00
R13WILLGK	6278	0.15	0.35	0.00	1.00
R14WILLGK	5225	0.15	0.35	0.00	1.00
R15WILLGK	4851	0.15	0.36	0.00	1.00
S2WILLGK	1630	0.13	0.33	0.00	1.00
S3WILLGK	4226	0.11	0.32	0.00	1.00
S4WILLGK	4369	0.10	0.30	0.00	1.00
S5WILLGK	3847	0.11	0.31	0.00	1.00
S6WILLGK	3522	0.12	0.32	0.00	1.00
S7WILLGK	3418	0.10	0.30	0.00	1.00
S8WILLGK	3247	0.12	0.32	0.00	1.00

S9WILLGK	4493	0.12	0.33	0.00	1.00
S10WILLGK	4961	0.13	0.33	0.00	1.00
S11WILLGK	4798	0.13	0.33	0.00	1.00
S12WILLGK	4238	0.13	0.34	0.00	1.00
S13WILLGK	3731	0.13	0.33	0.00	1.00
S14WILLGK	3053	0.13	0.34	0.00	1.00
S15WILLGK	2783	0.13	0.34	0.00	1.00
R2WILLAR	5333	0.08	0.28	0.00	1.00
R3WILLAR	10005	0.08	0.27	0.00	1.00
R4WILLAR	11815	0.09	0.28	0.00	1.00
R5WILLAR	11073	0.10	0.29	0.00	1.00
R6WILLAR	10451	0.09	0.29	0.00	1.00
R7WILLAR	10693	0.09	0.29	0.00	1.00
R8WILLAR	10113	0.10	0.30	0.00	1.00
R9WILLAR	9549	0.10	0.29	0.00	1.00
R10WILLAR	9876	0.10	0.30	0.00	1.00
R11WILLAR	9308	0.10	0.29	0.00	1.00
R12WILLAR	8505	0.10	0.30	0.00	1.00
R13WILLAR	8292	0.10	0.30	0.00	1.00
R14WILLAR	6898	0.10	0.31	0.00	1.00
R15WILLAR	6499	0.11	0.31	0.00	1.00
S2WILLAR	3077	0.08	0.27	0.00	1.00
S3WILLAR	6943	0.08	0.27	0.00	1.00
S4WILLAR	8057	0.08	0.28	0.00	1.00
S5WILLAR	7503	0.09	0.29	0.00	1.00
S6WILLAR	6967	0.09	0.29	0.00	1.00
S7WILLAR	7173	0.09	0.29	0.00	1.00
S8WILLAR	6669	0.10	0.30	0.00	1.00
S9WILLAR	6175	0.10	0.30	0.00	1.00
S10WILLAR	6381	0.10	0.30	0.00	1.00
S11WILLAR	5909	0.10	0.30	0.00	1.00
S12WILLAR	5191	0.11	0.31	0.00	1.00
S13WILLAR	4931	0.11	0.31	0.00	1.00
S14WILLAR	4039	0.10	0.30	0.00	1.00
S15WILLAR	3755	0.11	0.31	0.00	1.00

### Categorical Variable Codes

Value-----	R2WILLSP
.d:DK	15
.m:Missing	147
.q:not available this wave	8222
.r:Refuse	38
.t:no trust	10943
0.no	211
1.yes	116

Value-----	S2WILLSP
.d:DK	12
.m:Missing	16
.q:not available this wave	4350
.r:Refuse	26
.t:no trust	8396
.u:not coupled	5976
.v:SP NR	578
0.no	174
1.yes	114

Value-----	R2WILLCG
.d:DK	15
.m:Missing	147
.q:not available this wave	8222
.r:Refuse	38
.t:no trust	10943
0.no	55

1.yes		272			
Value-----		S2WILLCG			
.d:DK		12			
.m:Missing		16			
.q:not available this wave		4350			
.r:Refuse		26			
.t:no trust		8396			
.u:not coupled		5976			
.v:SP NR		578			
0.no		50			
1.yes		238			
Value-----		R2WILLRL			
.d:DK		15			
.m:Missing		147			
.q:not available this wave		8222			
.r:Refuse		38			
.t:no trust		10943			
0.no		311			
1.yes		16			
Value-----		S2WILLRL			
.d:DK		12			
.m:Missing		16			
.q:not available this wave		4350			
.r:Refuse		26			
.t:no trust		8396			
.u:not coupled		5976			
.v:SP NR		578			
0.no		276			
1.yes		12			
Value-----		R2WILLOT			
.d:DK		15			
.m:Missing		147			
.q:not available this wave		8222			
.r:Refuse		38			
.t:no trust		10943			
0.no		315			
1.yes		12			
Value-----		S2WILLOT			
.d:DK		12			
.m:Missing		16			
.q:not available this wave		4350			
.r:Refuse		26			
.t:no trust		8396			
.u:not coupled		5976			
.v:SP NR		578			
0.no		280			
1.yes		8			
Value-----		R2WILLIN			
.d:DK		15			
.m:Missing		147			
.q:not available this wave		8222			
.r:Refuse		38			
.t:no trust		10943			
0.no		315			
1.yes		12			
Value-----		S2WILLIN			
.d:DK		12			
.m:Missing		16			
.q:not available this wave		4350			
.r:Refuse		26			
.t:no trust		8396			
.u:not coupled		5976			
.v:SP NR		578			
0.no		278			
1.yes		10			
Value-----		R2WILLFM	R3WILLFM	R4WILLFM	R5WILLFM
.d:DK		49	49	94	115
.m:Missing		35	77	69	46

.q:not available this wave		11595			
.r:Refuse		58	56	82	74
.w:no will		2735	7785	9290	8249
0.no		617	1222	1424	1231
1.yes		4728	8802	10425	9863
Value-----	R6WILLFM	R7WILLFM	R8WILLFM	R9WILLFM	R10WILLFM
.d:DK	120	121	117	73	118
.m:Missing	18	36	21	23	278
.r:Refuse	83	78	68	61	98
.w:no will	7438	9179	8115	7468	11620
0.no	1178	1179	1063	1129	1169
1.yes	9328	9536	9085	8463	8751
Value-----	R11WILLFM	R12WILLFM	R13WILLFM	R14WILLFM	R15WILLFM
.d:DK	115	102	88	92	142
.m:Missing	60	62	138	120	169
.r:Refuse	97	96	116	94	82
.w:no will	10951	9958	12260	9932	8817
0.no	1142	975	1025	824	742
1.yes	8189	7554	7285	6084	5771
Value-----		S2WILLFM	S3WILLFM	S4WILLFM	S5WILLFM
.d:DK		21	18	47	51
.m:Missing		3	22	16	8
.q:not available this wave		8738			
.r:Refuse		25	33	41	37
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
.w:no will		1217	4881	5803	5109
0.no		490	1070	1223	1055
1.yes		2594	5892	6848	6470
Value-----	S6WILLFM	S7WILLFM	S8WILLFM	S9WILLFM	S10WILLFM
.d:DK	50	46	53	33	55
.m:Missing	6	12	5	5	149
.r:Refuse	40	41	36	27	45
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:no will	4538	5674	4940	4377	6849
0.no	1005	984	857	920	880
1.yes	5993	6211	5837	5278	5530
Value-----	S11WILLFM	S12WILLFM	S13WILLFM	S14WILLFM	S15WILLFM
.d:DK	48	45	32	47	76
.m:Missing	14	18	38	36	32
.r:Refuse	44	43	57	39	44
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:no will	6440	5703	6701	5187	4554
0.no	839	708	695	563	502
1.yes	5091	4495	4255	3486	3258
Value-----		R2WILLCH	R3WILLCH	R4WILLCH	R5WILLCH
.d:DK		52	56	84	105
.k:no kids			666	742	615
.m:Missing		35	71	93	62
.q:not available this wave		11595			
.r:Refuse		61	48	81	68
.w:no will		2735	7786	9290	8249
0.no		1206	1467	1655	1472
1.yes		4133	7897	9439	9007
Value-----	R6WILLCH	R7WILLCH	R8WILLCH	R9WILLCH	R10WILLCH
.d:DK	108	115	106	76	110
.k:no kids	539	552	534	465	532
.m:Missing	28	53	20	21	257
.r:Refuse	81	73	60	60	101
.w:no will	7438	9179	8115	7468	11620
0.no	1383	1418	1287	1350	1371
1.yes	8588	8739	8347	7777	8043
Value-----	R11WILLCH	R12WILLCH	R13WILLCH	R14WILLCH	R15WILLCH
.d:DK	112	102	92	88	144
.k:no kids	490	474	493	435	412
.m:Missing	53	53	132	112	159

.r:Refuse	101	97	115	101	84
.w:no will	10951	9958	12260	9932	8817
0.no	1351	1186	1232	1005	894
1.yes	7496	6877	6588	5473	5213

Value-----	S2WILLCH	S3WILLCH	S4WILLCH	S5WILLCH
.d:DK	22	33	45	49
.k:no kids		233	233	192
.m:Missing	3	20	46	26
.q:not available this wave	8738			
.r:Refuse	25	31	41	35
.u:not coupled	5976	5659	6870	6537
.v:SP NR	578	416	536	311
.w:no will	1217	4881	5803	5109
0.no	690	1215	1358	1188
1.yes	2393	5503	6452	6131

Value-----	S6WILLCH	S7WILLCH	S8WILLCH	S9WILLCH	S10WILLCH
.d:DK	45	47	49	35	54
.k:no kids	153	166	184	147	180
.m:Missing	17	32	5	5	143
.r:Refuse	40	40	34	27	50
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
.w:no will	4538	5674	4940	4377	6849
0.no	1116	1111	979	1042	990
1.yes	5723	5898	5537	5007	5242

Value-----	S11WILLCH	S12WILLCH	S13WILLCH	S14WILLCH	S15WILLCH
.d:DK	49	48	36	48	79
.k:no kids	166	162	176	152	124
.m:Missing	13	18	37	35	31
.r:Refuse	44	43	55	45	44
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
.w:no will	6440	5703	6701	5187	4554
0.no	943	820	798	641	574
1.yes	4821	4218	3975	3250	3060

Value-----	R2WILLGK	R3WILLGK	R4WILLGK	R5WILLGK
.d:DK	54	77	94	110
.f:not family resp	1154	1779	3269	2620
.g:no grandkids	790	1635	1049	1876
.m:Missing	21	64	41	39
.q:not available this wave	11595			
.r:Refuse	44	54	75	72
.w:no will	2735	7790	9290	8249
0.no	2887	5699	6641	5732
1.yes	537	893	925	880

Value-----	R6WILLGK	R7WILLGK	R8WILLGK	R9WILLGK	R10WILLGK
.d:DK	133	121	83	92	102
.f:not family resp	2605	2650	2477	798	430
.g:no grandkids	1288	1618	1808	1551	2023
.m:Missing	455	470	43	88	130
.r:Refuse	83	76	53	66	89
.w:no will	7438	9179	8115	7468	11620
0.no	5307	5234	5091	6167	6555
1.yes	856	781	799	987	1085

Value-----	R11WILLGK	R12WILLGK	R13WILLGK	R14WILLGK	R15WILLGK
.c:no contact with kids				402	23
.d:DK	111	104	93	91	111
.f:not family resp	174	176	330	394	358
.g:no grandkids	1736	1541	1797	963	1381
.m:Missing	27	34	66	67	118
.r:Refuse	93	88	88	72	64
.w:no will	10951	9958	12260	9932	8817
0.no	6400	5839	5354	4459	4101
1.yes	1062	1007	924	766	750

Value-----	S2WILLGK	S3WILLGK	S4WILLGK	S5WILLGK
.d:DK	12	38	28	35
.f:not family resp	1154	1755	3184	2562
.g:no grandkids	324	976	563	1146
.m:Missing	1	18	8	8

.q:not available this wave		8738				
.r:Refuse		12		20	23	23
.u:not coupled		5976		5659	6870	6537
.v:SP NR		578		416	536	311
.w:no will		1217		4883	5803	5109
0.no		1422		3746	3935	3433
1.yes		208		480	434	414
Value-----	S6WILLGK	S7WILLGK	S8WILLGK	S9WILLGK	S10WILLGK	
.d:DK	31	30	28	42	40	
.f:not family resp	2603	2602	2437	794	340	
.g:no grandkids	841	1129	1045	838	1227	
.m:Missing	71	91	12	66	52	
.r:Refuse	26	24	19	30	39	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
.w:no will	4538	5674	4940	4377	6849	
0.no	3103	3065	2871	3950	4332	
1.yes	419	353	376	543	629	
Value-----	S11WILLGK	S12WILLGK	S13WILLGK	S14WILLGK	S15WILLGK	
.c:no contact with kids				130	5	
.d:DK	41	41	40	43	49	
.f:not family resp	138	130	220	303	260	
.g:no grandkids	1023	857	1047	605	773	
.m:Missing	4	8	9	14	15	
.r:Refuse	32	35	30	23	27	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
.w:no will	6440	5703	6701	5187	4554	
0.no	4198	3684	3253	2659	2408	
1.yes	600	554	478	394	375	
Value-----		R2WILLAR	R3WILLAR	R4WILLAR	R5WILLAR	
.d:DK		62	61	110	128	
.m:Missing		35	76	69	47	
.q:not available this wave		11595				
.r:Refuse		57	64	100	81	
.w:no will		2735	7785	9290	8249	
0.no		4883	9181	10804	10017	
1.yes		450	824	1011	1056	
Value-----	R6WILLAR	R7WILLAR	R8WILLAR	R9WILLAR	R10WILLAR	
.d:DK	166	140	140	100	150	
.m:Missing	18	36	22	23	278	
.r:Refuse	92	81	79	77	110	
.w:no will	7438	9179	8115	7468	11620	
0.no	9468	9702	9139	8632	8917	
1.yes	983	991	974	917	959	
Value-----	R11WILLAR	R12WILLAR	R13WILLAR	R14WILLAR	R15WILLAR	
.d:DK	127	113	93	104	146	
.m:Missing	60	63	138	120	170	
.r:Refuse	108	108	129	92	91	
.w:no will	10951	9958	12260	9932	8817	
0.no	8423	7641	7440	6174	5807	
1.yes	885	864	852	724	692	
Value-----		S2WILLAR	S3WILLAR	S4WILLAR	S5WILLAR	
.d:DK		29	35	54	70	
.m:Missing		3	21	16	8	
.q:not available this wave		8738				
.r:Refuse		24	36	48	40	
.u:not coupled		5976	5659	6870	6537	
.v:SP NR		578	416	536	311	
.w:no will		1217	4881	5803	5109	
0.no		2825	6411	7390	6796	
1.yes		252	532	667	707	
Value-----	S6WILLAR	S7WILLAR	S8WILLAR	S9WILLAR	S10WILLAR	
.d:DK	78	64	73	46	75	
.m:Missing	6	12	5	5	149	
.r:Refuse	43	45	41	37	54	
.u:not coupled	6313	6781	6424	6212	7804	
.v:SP NR	220	380	317	365	722	
.w:no will	4538	5674	4940	4377	6849	

0.no		6309	6506	6003	5566	5735
1.yes		658	667	666	609	646
Value-----		S11WILLAR	S12WILLAR	S13WILLAR	S14WILLAR	S15WILLAR
.d:DK		62	54	42	58	76
.m:Missing		14	18	38	36	33
.r:Refuse		51	46	66	38	48
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
.w:no will		6440	5703	6701	5187	4554
0.no		5337	4637	4408	3633	3354
1.yes		572	554	523	406	401

## How Constructed:

RwWILLSP, RwWILLCG, RwWILLRL, RwWILLOT, RwWILLIN, RwWILLFM, RwWILLCH, RwWILLGK, and RwWILLAR indicate whether the respondent made provisions for a person of the specified relationship in their will or trust. RwWILLSP, RwWILLCG, RwWILLRL, RwWILLOT, and RwWILLIN are only available for the HRS cohort in Wave 2. RwWILLSP indicates whether the respondent made provisions for their husband/wife/partner in their will or trust. RwWILLCG indicates whether the respondent made provisions for their child, child-in-law, or grandchild in their trust. RwWILLRL indicates whether the respondent made provisions for another relative in their trust. RwWILLOT indicates whether the respondent made provisions for someone else in their trust. RwWILLIN indicates whether the respondent made provisions for an institution or charity in their trust. RwWILLFM, RwWILLCH, RwWILLGK, and RwWILLAR are available starting in Wave 3, in addition to the AHEAD cohort in Wave 2. RwWILLFM indicates whether the respondent made provisions for family members other than their husband/wife/partner in their will or trust. RwWILLCH indicates whether the respondent made provisions for a child or step-child in their will or trust. RwWILLGK indicates whether the respondent made provisions for a grandchild directly in their will or trust. RwWILLAR indicates whether the respondent made provisions for a charity or institution in their will or trust. These variables are assigned a 0 if the respondent did not report making provisions for a person of the specified relationship in their will or trust, and are assigned a 1 if the respondent did report making provisions for a person of the specified relationship in their will or trust.

In HRS Wave 2, the respondent is first asked if they or their spouse/partner have a trust, and if so, are given the option of selecting up to 5 recipients in a single question. RwWILLSP is coded as 0 if the spouse is not selected, and is coded as 1 if the spouse is selected. RwWILLCG is coded as 0 if child, child-in-law, or grandchild is not selected, and is coded as 1 if child, child-in-law, or grandchild is selected. RwWILLRL is coded as 0 if other relative is not selected, and is coded as 1 if other relative is selected. RwWILLOT is coded as 0 if someone else is not selected, and is coded as 1 if someone else is selected. RwWILLIN is coded as 0 if institution or charity is not selected, and is coded as 1 if institution or charity is selected. RwWILLSP, RwWILLCG, RwWILLRL, RwWILLOT, and RwWILLIN are assigned special missing .t if the respondent does not have a trust. RwWILLSP, RwWILLCG, RwWILLRL, and RwWILLIN are not available in any wave besides the HRS cohort in Wave 2 because the questions are asked differently. RwWILLSP, RwWILLCG, RwWILLRL, RwWILLOT, and RwWILLIN are assigned special missing .q in Wave 2 if the respondent was part of AHEAD cohort in Wave 2 and not asked these questions. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

In the AHEAD cohorts in Waves 2 and 3 and the HRS cohort in Wave 3 and onward, the respondent is first asked if they currently have a will. If they answer positively, they are then asked whether the will or trust provides for any family members other than the spouse. RwWILLFM is coded as 0 if the answer is negative, and is coded as 1 if the answer is positive. In the AHEAD cohort in Wave 2, if they provide for family members other than the spouse, they are asked whether the will or trust provides for any children or step-children. Starting in the AHEAD and HRS cohorts in Wave 3 and onward, if they provide for family members other than the spouse and have children, they are asked whether the will or trust provides for any children or step-children. RwWILLCH is coded as 0 if the answer is negative or the respondent did not provide for family members other than the spouse, and is coded as 1 if the answer is positive. In the AHEAD cohorts in Waves 2 and 3 and the HRS cohort in Wave 3 and onward, if the respondent has a will, they are asked whether the will or trust provides for any charities. RwWILLAR is coded as 0 if the answer is negative, and is coded as 1 if the answer is positive. In the AHEAD cohorts in Waves 2 and 3 and the HRS cohort in Wave 3 and onward, RwWILLFM, RwWILLCH, and RwWILLAR are assigned special missing .w if the respondent does not have a will or trust. In the AHEAD and HRS cohorts in Wave 3 and onward, RwWILLCH is assigned special missing .k if the respondent does not have any children and so the question is not asked. RwWILLFM, RwWILLCH, and RwWILLAR are not available for the HRS cohort in Wave 2 because the questions are asked differently, and so are assigned special missing .q in Wave 2. Don't know, refused,



or other missing responses are assigned special missing .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

Questions about whether the respondent provided for their grandchildren in their will have changed significantly over the waves of HRS, in particular there are differences in whether the family respondent and whether respondents without grandchildren were asked this question. In the AHEAD cohort in Wave 2 and the AHEAD cohort in Wave 3 CAPI versions 1-4, if the respondent reports that they provide for family members other than the spouse and the respondent has grandchildren and are the family respondent, they are asked if the will or trust provides for any grandchild directly. In the AHEAD cohort in Wave 3 in CAPI versions 5 and greater, if the respondent reports that they provide for family members other than the spouse, they are asked if the will or trust provides for any grandchild directly (regardless if they have any grandchildren or if they are the family respondent). In the HRS cohort in Wave 3 and in Wave 4, if the respondent reports that they provide for family members other than the spouse and the respondent has grandchildren and are the family respondent, they are asked if the will or trust provides for any grandchild directly. In Wave 5, respondents provide both a count of number of total grandchildren and a number of household grandchildren. If the family respondent provides for family members other than the spouse and the respondent has grandchildren (either from the total report or the number of grandchildren in the house), they are asked if the will or trust provides for any grandchild directly. If the non-family respondent provides for family members other than the spouse and the respondent reports grandchildren as household members, they are asked if the will or trust provides for any grandchild directly. In the case that the non-family respondent reports that they do not have grandchildren as household members they are not asked about whether they provided for their grandchildren in their will. There was also an issue at Wave 5 where some respondents who report that they have no grandchildren as household members and no total grandchildren were still asked whether they provided for grandchildren in their will.

In Waves 6-8, if the respondent reports that they provide for family members other than the spouse and the respondent has grandchildren and are the family respondent, they are asked if the will or trust provides for any grandchild directly. Starting in Wave 9 for family respondents, if the family respondent reports that they provide for family members other than the spouse and the respondent has grandchildren and are the family respondent, they are asked if the will or trust provides for any grandchild directly. Starting in Wave 9 for non-family respondents, non-family respondents are only asked whether they have made provisions for their grandchild if they reported in previous waves that they have grandchildren. In the Wave 9 CAPI versions 1 and 2, there was an error which caused all non-family respondents to not be asked whether they made provisions for their grandchildren. In Wave 14, there is a larger percentage of respondents who are not in contact with any of their children, and so are not asked about the number of grandchildren they have or whether anything was left directly to grandchildren in their will or trust.

RwWILLGK is coded as 0 if the answer is negative, the respondent replies that grandchildren receive something only through their parents, or the respondent did not provide for family members other than the spouse, and is coded as 1 if the grandchildren are provided for directly. RwWILLGK is assigned special missing .f if the respondent is not the family respondent and is not asked whether they made provisions for their grandchildren in their will or trust. RwWILLGK is assigned special missing .w if the respondent does not have a will or trust. RwWILLGK is assigned special missing .g if the respondent does not have any grandchildren, or if they reported having no grandchildren at the previous wave and no new grandchildren at the current wave. RwWILLGK is assigned special missing .c starting in Wave 14 if the respondent is not in contact with any of their children and so this question is skipped. RwWILLGK is not available for the HRS cohort in Wave 2 because the question is asked differently, so is assigned special missing .q in Wave 2. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwWILLGK is set to plain missing (.) for respondents who did not participate in the current wave.

SwWILLSP, SwWILLCG, SwWILLRL, SwWILLOT, SwWILLIN, SwWILLFM, SwWILLCH, SwWILLGK, and SwWILLAR indicate whether the respondent's spouse made provisions for a person of the specified relationship in their will or trust, and their values are taken from RwWILLSP, RwWILLCG, RwWILLRL, RwWILLOT, RwWILLIN, RwWILLFM, RwWILLCH, RwWILLGK, and RwWILLAR. In addition to the special missing codes used in RwWILLSP, RwWILLCG, RwWILLRL, RwWILLOT, RwWILLIN, RwWILLFM, RwWILLCH, RwWILLGK, and RwWILLAR, SwWILLSP, SwWILLCG, SwWILLRL, SwWILLOT, SwWILLIN, SwWILLFM, SwWILLCH, SwWILLGK, and SwWILLAR employ the use of two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Neither wills nor trusts are asked about in HRS Wave 1. Only wills are asked about in the AHEAD cohort in Wave 2. Only trusts are asked about in the HRS cohort in Wave 2. Starting in the AHEAD and HRS cohorts in Wave 3, the respondent is asked if they currently have a will, but voluntary answers about the possession of a trust in replacement of or in addition to a will are allowed.

In the HRS cohort in Wave 2, the respondent selects the potential recipients of their trust in a single question, and are allowed to select all that apply. In addition, the categories of relationship are different: spouse, child/child-in-law/grandchild, other relative, someone else, or institution or charity.

In the AHEAD cohorts in Waves 2 and 3 and the HRS cohort in Wave 3 and onward, the respondent is asked about the potential recipients of their will or trust in separate questions. The categories of relationship for these waves are: family other than spouse/partner, children, grandchildren directly, or charity. In the AHEAD cohort in Wave 2, respondents who report having a will or trust and making provisions for family other than spouse/partner, are asked about providing for children. Starting in the AHEAD and HRS cohorts in Wave 3, respondents who have no children are not asked this question even if they meet the previous criteria.

As the result of these differences, the HRS cohort in Wave 2 has separate variables for all relationships.

Questions about whether the respondent provided for their grandchildren in their will have changed significantly over the waves of HRS, in particular there are differences in whether the family respondent and whether respondents without grandchildren were asked this question. In the AHEAD cohort in Wave 2 and the AHEAD cohort in Wave 3 CAPI versions 1-4, if the respondent reports that they provide for family members other than the spouse and the respondent has grandchildren and are the family respondent, they are asked if the will or trust provides for any grandchild directly. In the AHEAD cohort in Wave 3 in CAPI versions 5 and greater, if the respondent reports that they provide for family members other than the spouse, they are asked if the will or trust provides for any grandchild directly (regardless if they have any grandchildren or if they are the family respondent). In the HRS cohort in Wave 3 and in Wave 4, if the respondent reports that they provide for family members other than the spouse and the respondent has grandchildren and are the family respondent, they are asked if the will or trust provides for any grandchild directly. In Wave 5, respondents provide both a count of number of total grandchildren and a number of household grandchildren. If the family respondent provides for family members other than the spouse and the respondent has grandchildren (either from the total report or the number of grandchildren in the house), they are asked if the will or trust provides for any grandchild directly. If the non-family respondent provides for family members other than the spouse and the respondent reports grandchildren as household members, they are asked if the will or trust provides for any grandchild directly. In the case that the non-family respondent reports that they do not have grandchildren as household members they are not asked about whether they provided for their grandchildren in their will. There was also an issue at Wave 5 where some respondents who report that they have no grandchildren as household members and no total grandchildren were still asked whether they provided for grandchildren in their will.

In Waves 6-8, if the respondent reports that they provide for family members other than the spouse and the respondent has grandchildren and are the family respondent, they are asked if the will or trust provides for any grandchild directly. Starting in Wave 9 for family respondents, if the family respondent reports that they provide for family members other than the spouse and the respondent has grandchildren and are the family respondent, they are asked if the will or trust provides for any grandchild directly. Starting in Wave 9 for non-family respondents, non-family respondents are only asked whether they have made provisions for their grandchild if they reported in previous waves that they have grandchildren. In the Wave 9 CAPI versions 1 and 2, there was an error where no non-family respondents were asked whether they had made provisions for their grandchildren. In Wave 14, there is a larger percentage of respondents who are not in contact with any of their children, and so are not asked about the number of grandchildren they have or whether anything was left directly to grandchildren in their will or trust.

## HRS Variables Used:

RAND HRS:  
R10FAMR                    r10famr:w10 whether family resp

R11FAMR	r11famr:w11 whether family resp
R12FAMR	r12famr:w12 whether family resp
R13FAMR	r13famr:w13 whether family resp
R14FAMR	r14famr:w14 whether family resp
R15FAMR	r15famr:w15 whether family resp
R3FAMR	r3famr:w3 whether family resp
R4FAMR	r4famr:w4 whether family resp
R5FAMR	r5famr:w5 whether family resp
R6FAMR	r6famr:w6 whether family resp
R7FAMR	r7famr:w7 whether family resp
R8FAMR	r8famr:w8 whether family resp
R9FAMR	r9famr:w9 whether family resp
Wave 2 AHEAD:	
B1690	j55. r will: have one
B1691	j56. r will: include any fam members
B1692	j56a. r will: include any children
B1695	j57. r will: include any grandkids
B466	d37. # grandkids
BFAMR	1993 family respondent
BN_INHH	ahd w1: # r's responding in hhold
Wave 2 HRS:	
W5557	k25.put assets into trus
W5558	k26.who receives benefit
W5559	k26.who receives benefit
W5560	k26.who receives benefit
W5561	k26.who receives benefit
W5562	k26.who receives benefit
WN_INHH	hrs w2: # in hhold (r1/r2 only)
Wave 3 AHEAD:	
D1443	d40. # grandchildren idfm
D198	ahead2 version
D4768	j90. r has will
D4769	j91. will family
D4770	j91a. will children
D4774	j92.will grandkids
D4775	j93.will charity
D513	cs # children 512u(1/20)=
Wave 3 HRS:	
E1413	d40. # grandchildren idfm
E4769	j323.r has will
E4770	j324.will family
E4771	j325.will children
E4774	j329.will grandkids
E4776	j330.will charity
E513	cs # children total
Wave 4:	
F1819	d40. # grandchildren idfm
F5529	j323.r has will
F5530	j324.will family
F5531	j325.will children
F5534	j329.will grandkids
F5536	j330.will charity
Wave 5:	
G1938	d049y17.cs # children
G2035	d40. # grandchildren idfm
G5063	jx.# grandchildren
G5882	j323.r has will
G5883	j324.will family
G5884	j325.will children
G5887	j329.will grandkids
G5889	j330.will charity
Wave 6:	
HA101	count of kids - not their spouses

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HE046      # grandchildren total
HT001      does r have valid will
HT002      did r make family provisions in will
HT003      r will include children/stepchildren
HT006      r will include grandchildren
HT008      will provide for charity

Wave 7:
JA101      count of kids - not their spouses
JE046      # grandchildren total
JT001      does r have valid will
JT002      did r make family provisions in will
JT003      r will include children/stepchildren
JT006      r will include grandchildren
JT008      will provide for charity

Wave 8:
KA101      count of kids - not their spouses
KE046      # grandchildren total
KT001      does r have valid will
KT002      did r make family provisions in will
KT003      r will include children/stepchildren
KT006      r will include grandchildren
KT008      will provide for charity

Wave 9:
LA101      count of kids - not their spouses
LE022      new grandchildren
LE046      # grandchildren total
LT001      does r have valid will
LT002      did r make family provisions in will
LT003      r will include children/stepchildren
LT006      r will include grandchildren
LT008      will provide for charity
LZ114      prev wave number of grandchildren

Wave 10:
MA101      count of kids - not their spouses
ME022      new grandchildren
ME046      # grandchildren total
MT001      does r have valid will
MT002      did r make family provisions in will
MT003      r will include children/stepchildren
MT006      r will include grandchildren
MT008      will provide for charity
MZ114      prev wave number of grandchildren

Wave 11:
NA101      count of kids - not their spouses
NE022      new grandchildren
NE046      # grandchildren total
NT001      does r have valid will
NT002      did r make family provisions in will
NT003      r will include children/stepchildren
NT006      r will include grandchildren
NT008      will provide for charity
NZ114      prev wave number of grandchildren

Wave 12:
OA101      count of kids - not their spouses
OE022      new grandchildren
OE046      # grandchildren total
OT001      does r have valid will
OT002      did r make family provisions in will
OT003      r will include children/stepchildren
OT006      r will include grandchildren
OT008      will provide for charity
OZ114      prev wave number of grandchildren

Wave 13:
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PA101	count of kids - not their spouses
PE022	new grandchildren
PE046	# grandchildren total
PT001	does r have valid will
PT002	did r make family provisions in will
PT003	r will include children/stepchildren
PT006	r will include grandchildren
PT008	will provide for charity
PZ114	prev wave number of grandchildren
Wave 14:	
QA101	count of kids - not their spouses
QA106	count of contact kids
QE022	new grandchildren
QE046	# grandchildren total
QT001	does r have valid will
QT002	did r make family provisions in will
QT003	r will include children/stepchildren
QT006	r will include grandchildren
QT008	will provide for charity
QZ114	prev wave number of grandchildren
Wave 15:	
RA101	count of kids - not their spouses
RA106	count of contact kids
RE022	new grandchildren
RE046	# grandchildren total
RT001	does r have valid will
RT002	did r make family provisions in will
RT003	r will include children/stepchildren
RT006	r will include grandchildren
RT008	will provide for charity
RZ114	prev wave number of grandchildren

<b>Living Will</b>
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Wave	Variable	Label	Type
03	R3LVWILL	r3lvwill:w3 whether r has living will	Categ
11	R11LVWILL	r11lvwill:w11 whether r has living will	Categ
12	R12LVWILL	r12lvwill:w12 whether r has living will	Categ
13	R13LVWILL	r13lvwill:w13 whether r has living will	Categ
14	R14LVWILL	r14lvwill:w14 whether r has living will	Categ
15	R15LVWILL	r15lvwill:w15 whether r has living will	Categ
03	S3LVWILL	s3lvwill:w3 whether s has living will	Categ
11	S11LVWILL	s11lvwill:w11 whether s has living will	Categ
12	S12LVWILL	s12lvwill:w12 whether s has living will	Categ
13	S13LVWILL	s13lvwill:w13 whether s has living will	Categ
14	S14LVWILL	s14lvwill:w14 whether s has living will	Categ
15	S15LVWILL	s15lvwill:w15 whether s has living will	Categ
12	R12FLVWILL	r12flvwill:w12 r flag living will	Categ
13	R13FLVWILL	r13flvwill:w13 r flag living will	Categ
14	R14FLVWILL	r14flvwill:w14 r flag living will	Categ
15	R15FLVWILL	r15flvwill:w15 r flag living will	Categ
12	S12FLVWILL	s12flvwill:w12 s flag living will	Categ
13	S13FLVWILL	s13flvwill:w13 s flag living will	Categ
14	S14FLVWILL	s14flvwill:w14 s flag living will	Categ
15	S15FLVWILL	s15flvwill:w15 s flag living will	Categ
11	R11LMT CARE	r11lmtcare:w11 r has desire to limit care	Categ
12	R12LMT CARE	r12lmtcare:w12 r has desire to limit care	Categ
13	R13LMT CARE	r13lmtcare:w13 r has desire to limit care	Categ
14	R14LMT CARE	r14lmtcare:w14 r has desire to limit care	Categ
15	R15LMT CARE	r15lmtcare:w15 r has desire to limit care	Categ
11	S11LMT CARE	s11lmtcare:w11 s has desire to limit care	Categ
12	S12LMT CARE	s12lmtcare:w12 s has desire to limit care	Categ
13	S13LMT CARE	s13lmtcare:w13 s has desire to limit care	Categ
14	S14LMT CARE	s14lmtcare:w14 s has desire to limit care	Categ
15	S15LMT CARE	s15lmtcare:w15 s has desire to limit care	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R3LVWILL	1160	0.23	0.42	0.00	1.00
R11LVWILL	10578	0.47	0.50	0.00	1.00
R12LVWILL	10195	0.52	0.50	0.00	1.00
R13LVWILL	9830	0.54	0.50	0.00	1.00
R14LVWILL	8823	0.54	0.50	0.00	1.00
R15LVWILL	8744	0.55	0.50	0.00	1.00
S3LVWILL	761	0.22	0.41	0.00	1.00
S11LVWILL	5937	0.47	0.50	0.00	1.00
S12LVWILL	5513	0.52	0.50	0.00	1.00
S13LVWILL	5160	0.54	0.50	0.00	1.00
S14LVWILL	4561	0.53	0.50	0.00	1.00
S15LVWILL	4505	0.55	0.50	0.00	1.00
R12FLVWILL	18747	0.00	0.10	0.00	3.00
R13FLVWILL	20912	0.00	0.11	0.00	3.00
R14FLVWILL	17146	0.01	0.15	0.00	3.00

R15FLVWILL	15723	0.01	0.13	0.00	3.00
S12FLVWILL	11012	0.00	0.09	0.00	3.00
S13FLVWILL	11778	0.00	0.09	0.00	3.00
S14FLVWILL	9358	0.01	0.15	0.00	3.00
S15FLVWILL	8466	0.00	0.11	0.00	3.00
R11LMTCARE	4869	0.94	0.25	0.00	1.00
R12LMTCARE	5227	0.94	0.24	0.00	1.00
R13LMTCARE	5174	0.93	0.26	0.00	1.00
R14LMTCARE	4678	0.92	0.28	0.00	1.00
R15LMTCARE	4670	0.92	0.27	0.00	1.00
S11LMTCARE	2716	0.94	0.24	0.00	1.00
S12LMTCARE	2807	0.94	0.23	0.00	1.00
S13LMTCARE	2719	0.94	0.24	0.00	1.00
S14LMTCARE	2371	0.92	0.27	0.00	1.00
S15LMTCARE	2397	0.93	0.26	0.00	1.00

### Categorical Variable Codes

Value-----					
.b:not part of subsample			R3LVWILL		
.d:DK			16827		
.r:Refuse			3		
0.no			1		
1.yes			893		
			267		
Value-----	R11LVWILL	R12LVWILL	R13LVWILL	R14LVWILL	R15LVWILL
.a:not asked under age 65	9818	8378	10940	8152	6738
.d:DK	98	114	79	88	109
.m:Missing	31	35	34	57	99
.r:Refuse	29	25	29	26	33
0.no	5645	4901	4563	4046	3941
1.yes	4933	5294	5267	4777	4803
Value-----					
.b:not part of subsample			S3LVWILL		
.d:DK			11153		
.u:not coupled			2		
.v:SP NR			5659		
0.no			416		
1.yes			597		
			164		
Value-----	S11LVWILL	S12LVWILL	S13LVWILL	S14LVWILL	S15LVWILL
.a:not asked under age 65	6479	5426	6568	4727	3866
.d:DK	43	53	31	44	58
.m:Missing	6	7	6	17	19
.r:Refuse	11	13	13	9	18
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	3173	2650	2377	2123	2043
1.yes	2764	2863	2783	2438	2462
Value-----		R12FLVWILL	R13FLVWILL	R14FLVWILL	R15FLVWILL
0.no dispute		18718	20875	17095	15679
1.no dispute, arrangement c		8	10	7	14
2.dispute prv wv, now has		1	1	3	1
3.dispute prv wv, does not		20	26	41	29
Value-----		S12FLVWILL	S13FLVWILL	S14FLVWILL	S15FLVWILL
.u:not coupled		7125	8025	6684	6202
.v:SP NR		610	1109	1104	1055
0.no dispute		10997	11764	9333	8451
1.no dispute, arrangement c		5	3	2	5
2.dispute prv wv, now has				1	
3.dispute prv wv, does not		10	11	22	10
Value-----	R11LMTCARE	R12LMTCARE	R13LMTCARE	R14LMTCARE	R15LMTCARE
.a:not asked under age 65	9818	8378	10940	8152	6738

.d:DK		193	224	207	199	223
.m:Missing		31	56	60	98	128
.n:no living will		5599	4829	4483	3978	3912
.r:Refuse		44	33	48	41	52
0.no		313	330	364	392	366
1.yes		4556	4897	4810	4286	4304
Value-----		S11LMT CARE	S12LMT CARE	S13LMT CARE	S14LMT CARE	S15LMT CARE
.a:not asked under age 65		6479	5426	6568	4727	3866
.d:DK		85	105	87	107	113
.m:Missing		6	18	17	39	29
.n:no living will		3173	2640	2366	2101	2033
.r:Refuse		17	16	21	13	28
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		165	155	173	191	177
1.yes		2551	2652	2546	2180	2220

## How Constructed:

RwLVWILL indicates whether the respondent has written instructions about the type of medical treatment or care they would want to receive if they could not make those decisions themselves, sometimes called a living will. This question is asked to a small subsample of people in an experimental module in the AHEAD and HRS cohorts in Wave 3. This question is asked starting in Wave 11 to all respondents aged 65 and older. Starting in Wave 12, those who previously reported not having a living will are asked the same question, but those who previously reported having a living will are asked to confirm this arrangement. RwLVWILL is coded as 0 if the respondent does not have a living will. RwLVWILL is coded as 1 if the respondent does have a living will. Starting in Wave 12, RwLVWILL is also coded as 0 if the respondent disputes their previous wave record and reports not having a living will, and is also coded as 1 if the respondent confirms having a living will but reports that the arrangement has changed or if the respondent disputes their previous wave record but now has a living will. If the respondent disputes having a living will in the previous wave record, then RwLVWILL in the previous waves are set to 0. If the respondent was not selected for the subsample in the AHEAD and HRS cohorts in Wave 3, then RwLVWILL is assigned special missing .b in Wave 3. Starting in Wave 11, if the respondent is under age 65, then RwLVWILL is assigned special missing .a. RwLVWILL is not available in Waves 1, 2, and 4 through 10 because this question is not asked. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwLVWILL is set to plain missing (.) for respondents who did not participate in the current wave.

SwLVWILL indicates whether the respondent's spouse has a living will, and its values are taken from RwLVWILL. In addition to the special missing codes used in RwLVWILL, SwLVWILL employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Starting in Wave 12, respondents who previously reported having a living will are asked to confirm their arrangement. RwFLVWILL is a flag indicating whether the respondent has changed or disputes the arrangement reported in a previous wave. RwFLVWILL is coded as 1 if the respondent confirms having a living will but reports that the arrangement has changed. RwFLVWILL is coded as 2 if the respondent disputes the previous wave record but reports now having a living will. RwFLVWILL is coded as 3 if the respondent disputes the previous wave record and does not have a living will. RwFLVWILL is coded as 0 otherwise. RwFLVWILL is not available in any waves prior to Wave 12 because there is no opportunity to dispute their arrangement prior to this wave. RwFLVWILL is set to plain missing (.) for respondents who did not participate in the current wave.

SwFLVWILL is a flag indicating whether the respondent's spouse has changed or disputes the arrangement reported in a previous wave, and its values are taken from RwFLVWILL. SwFLVWILL employs two special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLMT CARE indicates whether the respondent's living will expresses a desire to limit the care or medical treatment that they receive in certain situations. If the respondent reports having a living will, or starting in Wave 12, reports that their arrangement has changed or that they dispute the previous wave record but now have a living will, the respondent is asked whether the instructions express a desire to limit care. RwLMT CARE is coded as 0 if the respondent's living will does not express a desire to limit



care. RwlMTCARE is coded as 1 if the respondent's living will does express a desire to limit care. RwlMTCARE is assigned special missing .n if the respondent reports not having any living will. If the respondent disputes having a living will in the previous wave record, then RwlMTCARE in the previous waves is set to .n. RwlMTCARE is assigned special missing .a if the respondent is not asked about having a living will because they are under age 65. This question is only asked starting in Wave 11, and so RwlMTCARE is only available starting in Wave 11. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwlMTCARE is set to plain missing (.) for respondents who did not participate in the current wave.

SwlMTCARE indicates whether the respondent's spouse's living will expresses a desire to limit the care or medical treatment that they receive in certain situations, and its values are taken from RwlMTCARE. In addition to the special missing codes used in RwlMTCARE, SwlMTCARE employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In the AHEAD and HRS cohorts in Wave 3, only a small subsample of respondents are asked whether they have written instructions about the type of medical treatment they would want to receive if they were unconscious or somehow unable to communicate.

In Wave 11, all respondents aged 65 and older are asked whether they have provided written instructions about the care or medical treatment that they would want to receive if they cannot make those decisions themselves, which is sometimes called a "living will". Starting in Wave 12, the same question is asked if the respondent did not have such instructions in the previous wave. Starting in Wave 12, if the respondent has previously reported having such instructions, they are asked if this arrangement is still in place, at which point they can confirm whether the arrangement is the same or not, confirm that instructions are in place but the arrangement has changed, or dispute the previous wave record and they either now have or now do not have the arrangement. The ability to dispute a previous report necessitates the introduction of a flag variable in Wave 12.

In Wave 11, the respondent is asked whether their instructions express a desire to limit care if the respondent reports having written instructions about care. Starting in Wave 12, the respondent is asked this question as long as they report currently having written instructions about care, even if they dispute or have changed their previous report.

These questions are not asked at all in Wave 1, the AHEAD or HRS cohorts in Wave 2, and in Waves 4 through 10.

## HRS Variables Used:

### Wave 3 AHEAD:

D218	cs1a.proxy/self interview
D528	which module
D5636	m6-0.intro
D5654	m6-5.written type med

### Wave 3 HRS:

E528	which module
E5376	m-all.intro
E5781	m7-5.written type med

### Wave 11:

NA019	r current age calculation
NT250	r has written living will
NT251	living will contain limiting care

### Wave 12:

OA019	r current age calculation
OT250	r has written living will
OT251	living will contain limiting care

### Wave 13:

PA019	r current age calculation
PT250	r has written living will

PT251	living will contain limiting care
Wave 14:	
QA019	r current age calculation
QT250	r has written living will
QT251	living will contain limiting care
Wave 15:	
RA019	r current age calculation
RT250	r has written living will
RT251	living will contain limiting care

<b>Durable Power of Attorney for Healthcare</b>
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Wave	Variable	Label	Type
03	R3DPOAFH	r3dpoafh:w3 r durable power of attorney for healthcare	Categ
11	R11DPOAFH	r11dpoafh:w11 r durable power of attorney for healthcare	Categ
12	R12DPOAFH	r12dpoafh:w12 r durable power of attorney for healthcare	Categ
13	R13DPOAFH	r13dpoafh:w13 r durable power of attorney for healthcare	Categ
14	R14DPOAFH	r14dpoafh:w14 r durable power of attorney for healthcare	Categ
15	R15DPOAFH	r15dpoafh:w15 r durable power of attorney for healthcare	Categ
03	S3DPOAFH	s3dpoafh:w3 s durable power of attorney for healthcare	Categ
11	S11DPOAFH	s11dpoafh:w11 s durable power of attorney for healthcare	Categ
12	S12DPOAFH	s12dpoafh:w12 s durable power of attorney for healthcare	Categ
13	S13DPOAFH	s13dpoafh:w13 s durable power of attorney for healthcare	Categ
14	S14DPOAFH	s14dpoafh:w14 s durable power of attorney for healthcare	Categ
15	S15DPOAFH	s15dpoafh:w15 s durable power of attorney for healthcare	Categ
12	R12FDPOAFH	r12fdpoafh:w12 r flag durable power of attorney	Categ
13	R13FDPOAFH	r13fdpoafh:w13 r flag durable power of attorney	Categ
14	R14FDPOAFH	r14fdpoafh:w14 r flag durable power of attorney	Categ
15	R15FDPOAFH	r15fdpoafh:w15 r flag durable power of attorney	Categ
12	S12FDPOAFH	s12fdpoafh:w12 s flag durable power of attorney	Categ
13	S13FDPOAFH	s13fdpoafh:w13 s flag durable power of attorney	Categ
14	S14FDPOAFH	s14fdpoafh:w14 s flag durable power of attorney	Categ
15	S15FDPOAFH	s15fdpoafh:w15 s flag durable power of attorney	Categ
03	R3DPOASP	r3dpoasp:w3 r spouse is durable power of attorney	Categ
11	R11DPOASP	r11dpoasp:w11 r spouse is durable power of attorney	Categ
12	R12DPOASP	r12dpoasp:w12 r spouse is durable power of attorney	Categ
13	R13DPOASP	r13dpoasp:w13 r spouse is durable power of attorney	Categ
14	R14DPOASP	r14dpoasp:w14 r spouse is durable power of attorney	Categ
15	R15DPOASP	r15dpoasp:w15 r spouse is durable power of attorney	Categ
03	S3DPOASP	s3dpoasp:w3 s spouse is durable power of attorney	Categ
11	S11DPOASP	s11dpoasp:w11 s spouse is durable power of attorney	Categ
12	S12DPOASP	s12dpoasp:w12 s spouse is durable power of attorney	Categ
13	S13DPOASP	s13dpoasp:w13 s spouse is durable power of attorney	Categ
14	S14DPOASP	s14dpoasp:w14 s spouse is durable power of attorney	Categ
15	S15DPOASP	s15dpoasp:w15 s spouse is durable power of attorney	Categ
03	R3DPOACH	r3dpoach:w3 r child/grandchild is durable power of attorney	Categ
11	R11DPOACH	r11dpoach:w11 r child/grandchild is durable power of attorne	Categ
12	R12DPOACH	r12dpoach:w12 r child/grandchild is durable power of attorne	Categ
13	R13DPOACH	r13dpoach:w13 r child/grandchild is durable power of attorne	Categ
14	R14DPOACH	r14dpoach:w14 r child/grandchild is durable power of attorne	Categ
15	R15DPOACH	r15dpoach:w15 r child/grandchild is durable power of attorne	Categ
03	S3DPOACH	s3dpoach:w3 s child/grandchild is durable power of attorney	Categ
11	S11DPOACH	s11dpoach:w11 s child/grandchild is durable power of attorne	Categ
12	S12DPOACH	s12dpoach:w12 s child/grandchild is durable power of attorne	Categ
13	S13DPOACH	s13dpoach:w13 s child/grandchild is durable power of attorne	Categ
14	S14DPOACH	s14dpoach:w14 s child/grandchild is durable power of attorne	Categ
15	S15DPOACH	s15dpoach:w15 s child/grandchild is durable power of attorne	Categ
03	R3DPOARL	r3dpoarl:w3 r relative is durable power of attorney	Categ
11	R11DPOARL	r11dpoarl:w11 r relative is durable power of attorney	Categ
12	R12DPOARL	r12dpoarl:w12 r relative is durable power of attorney	Categ
13	R13DPOARL	r13dpoarl:w13 r relative is durable power of attorney	Categ
14	R14DPOARL	r14dpoarl:w14 r relative is durable power of attorney	Categ

15	R15DPOARL	r15dpoarl:w15	r relative is durable power of attorney	Categ
03	S3DPOARL	s3dpoarl:w3	s relative is durable power of attorney	Categ
11	S11DPOARL	s11dpoarl:w11	s relative is durable power of attorney	Categ
12	S12DPOARL	s12dpoarl:w12	s relative is durable power of attorney	Categ
13	S13DPOARL	s13dpoarl:w13	s relative is durable power of attorney	Categ
14	S14DPOARL	s14dpoarl:w14	s relative is durable power of attorney	Categ
15	S15DPOARL	s15dpoarl:w15	s relative is durable power of attorney	Categ
03	R3DPOAFR	r3dpoafr:w3	r friend is durable power of attorney	Categ
11	R11DPOAFR	r11dpoafr:w11	r friend is durable power of attorney	Categ
12	R12DPOAFR	r12dpoafr:w12	r friend is durable power of attorney	Categ
13	R13DPOAFR	r13dpoafr:w13	r friend is durable power of attorney	Categ
14	R14DPOAFR	r14dpoafr:w14	r friend is durable power of attorney	Categ
15	R15DPOAFR	r15dpoafr:w15	r friend is durable power of attorney	Categ
03	S3DPOAFR	s3dpoafr:w3	s friend is durable power of attorney	Categ
11	S11DPOAFR	s11dpoafr:w11	s friend is durable power of attorney	Categ
12	S12DPOAFR	s12dpoafr:w12	s friend is durable power of attorney	Categ
13	S13DPOAFR	s13dpoafr:w13	s friend is durable power of attorney	Categ
14	S14DPOAFR	s14dpoafr:w14	s friend is durable power of attorney	Categ
15	S15DPOAFR	s15dpoafr:w15	s friend is durable power of attorney	Categ
03	R3DPOADR	r3dpoadr:w3	r doctor is durable power of attorney	Categ
11	R11DPOADR	r11dpoadr:w11	r doctor is durable power of attorney	Categ
12	R12DPOADR	r12dpoadr:w12	r doctor is durable power of attorney	Categ
13	R13DPOADR	r13dpoadr:w13	r doctor is durable power of attorney	Categ
14	R14DPOADR	r14dpoadr:w14	r doctor is durable power of attorney	Categ
15	R15DPOADR	r15dpoadr:w15	r doctor is durable power of attorney	Categ
03	S3DPOADR	s3dpoadr:w3	s doctor is durable power of attorney	Categ
11	S11DPOADR	s11dpoadr:w11	s doctor is durable power of attorney	Categ
12	S12DPOADR	s12dpoadr:w12	s doctor is durable power of attorney	Categ
13	S13DPOADR	s13dpoadr:w13	s doctor is durable power of attorney	Categ
14	S14DPOADR	s14dpoadr:w14	s doctor is durable power of attorney	Categ
15	S15DPOADR	s15dpoadr:w15	s doctor is durable power of attorney	Categ
03	R3DPOARA	r3dpoara:w3	r religious advisor is durable power of attorney	Categ
11	R11DPOARA	r11dpoara:w11	r religious advisor is durable power of attorn	Categ
12	R12DPOARA	r12dpoara:w12	r religious advisor is durable power of attorn	Categ
13	R13DPOARA	r13dpoara:w13	r religious advisor is durable power of attorn	Categ
14	R14DPOARA	r14dpoara:w14	r religious advisor is durable power of attorn	Categ
15	R15DPOARA	r15dpoara:w15	r religious advisor is durable power of attorn	Categ
03	S3DPOARA	s3dpoara:w3	s religious advisor is durable power of attorney	Categ
11	S11DPOARA	s11dpoara:w11	s religious advisor is durable power of attorn	Categ
12	S12DPOARA	s12dpoara:w12	s religious advisor is durable power of attorn	Categ
13	S13DPOARA	s13dpoara:w13	s religious advisor is durable power of attorn	Categ
14	S14DPOARA	s14dpoara:w14	s religious advisor is durable power of attorn	Categ
15	S15DPOARA	s15dpoara:w15	s religious advisor is durable power of attorn	Categ
03	R3DPOALP	r3dpoalp:w3	r legal professional is durable power of attorne	Categ
11	R11DPOALP	r11dpoalp:w11	r legal professional is durable power of attor	Categ
12	R12DPOALP	r12dpoalp:w12	r legal professional is durable power of attor	Categ
13	R13DPOALP	r13dpoalp:w13	r legal professional is durable power of attor	Categ
14	R14DPOALP	r14dpoalp:w14	r legal professional is durable power of attor	Categ
15	R15DPOALP	r15dpoalp:w15	r legal professional is durable power of attor	Categ
03	S3DPOALP	s3dpoalp:w3	s legal professional is durable power of attorne	Categ
11	S11DPOALP	s11dpoalp:w11	s legal professional is durable power of attor	Categ
12	S12DPOALP	s12dpoalp:w12	s legal professional is durable power of attor	Categ
13	S13DPOALP	s13dpoalp:w13	s legal professional is durable power of attor	Categ
14	S14DPOALP	s14dpoalp:w14	s legal professional is durable power of attor	Categ

15	S15DPOALP	s15dpoalp:w15	s legal professional is durable power of attor	Categ
03	R3DPOASW	r3dpoasw:w3	r social worker is durable power of attorney	Categ
11	R11DPOASW	r11dpoasw:w11	r social worker is durable power of attorney	Categ
12	R12DPOASW	r12dpoasw:w12	r social worker is durable power of attorney	Categ
13	R13DPOASW	r13dpoasw:w13	r social worker is durable power of attorney	Categ
14	R14DPOASW	r14dpoasw:w14	r social worker is durable power of attorney	Categ
15	R15DPOASW	r15dpoasw:w15	r social worker is durable power of attorney	Categ
03	S3DPOASW	s3dpoasw:w3	s social worker is durable power of attorney	Categ
11	S11DPOASW	s11dpoasw:w11	s social worker is durable power of attorney	Categ
12	S12DPOASW	s12dpoasw:w12	s social worker is durable power of attorney	Categ
13	S13DPOASW	s13dpoasw:w13	s social worker is durable power of attorney	Categ
14	S14DPOASW	s14dpoasw:w14	s social worker is durable power of attorney	Categ
15	S15DPOASW	s15dpoasw:w15	s social worker is durable power of attorney	Categ
03	R3DPOAOT	r3dpoaot:w3	r other person is durable power of attorney	Categ
11	R11DPOAOT	r11dpoaot:w11	r other person is durable power of attorney	Categ
12	R12DPOAOT	r12dpoaot:w12	r other person is durable power of attorney	Categ
13	R13DPOAOT	r13dpoaot:w13	r other person is durable power of attorney	Categ
14	R14DPOAOT	r14dpoaot:w14	r other person is durable power of attorney	Categ
15	R15DPOAOT	r15dpoaot:w15	r other person is durable power of attorney	Categ
03	S3DPOAOT	s3dpoaot:w3	s other person is durable power of attorney	Categ
11	S11DPOAOT	s11dpoaot:w11	s other person is durable power of attorney	Categ
12	S12DPOAOT	s12dpoaot:w12	s other person is durable power of attorney	Categ
13	S13DPOAOT	s13dpoaot:w13	s other person is durable power of attorney	Categ
14	S14DPOAOT	s14dpoaot:w14	s other person is durable power of attorney	Categ
15	S15DPOAOT	s15dpoaot:w15	s other person is durable power of attorney	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3DPOAFH	1162	0.21	0.41	0.00	1.00
R11DPOAFH	10587	0.48	0.50	0.00	1.00
R12DPOAFH	10229	0.55	0.50	0.00	1.00
R13DPOAFH	9860	0.57	0.49	0.00	1.00
R14DPOAFH	8858	0.58	0.49	0.00	1.00
R15DPOAFH	8767	0.59	0.49	0.00	1.00
S3DPOAFH	763	0.19	0.39	0.00	1.00
S11DPOAFH	5937	0.46	0.50	0.00	1.00
S12DPOAFH	5531	0.53	0.50	0.00	1.00
S13DPOAFH	5174	0.56	0.50	0.00	1.00
S14DPOAFH	4587	0.57	0.50	0.00	1.00
S15DPOAFH	4521	0.58	0.49	0.00	1.00
R12FDPOAFH	18747	0.01	0.14	0.00	3.00
R13FDPOAFH	20912	0.01	0.12	0.00	3.00
R14FDPOAFH	17146	0.01	0.16	0.00	3.00
R15FDPOAFH	15723	0.01	0.16	0.00	3.00
S12FDPOAFH	11012	0.01	0.14	0.00	3.00
S13FDPOAFH	11778	0.00	0.11	0.00	3.00
S14FDPOAFH	9358	0.01	0.17	0.00	3.00
S15FDPOAFH	8466	0.01	0.16	0.00	3.00
R3DPOASP	247	0.35	0.48	0.00	1.00
R11DPOASP	5088	0.35	0.48	0.00	1.00
R12DPOASP	5589	0.35	0.48	0.00	1.00
R13DPOASP	5650	0.35	0.48	0.00	1.00
R14DPOASP	5154	0.39	0.49	0.00	1.00

R15DPOASP	5131	0.39	0.49	0.00	1.00
S3DPOASP	142	0.60	0.49	0.00	1.00
S11DPOASP	2684	0.63	0.48	0.00	1.00
S12DPOASP	2879	0.64	0.48	0.00	1.00
S13DPOASP	2862	0.65	0.48	0.00	1.00
S14DPOASP	2593	0.70	0.46	0.00	1.00
S15DPOASP	2593	0.72	0.45	0.00	1.00
R3DPOACH	247	0.49	0.50	0.00	1.00
R11DPOACH	5088	0.70	0.46	0.00	1.00
R12DPOACH	5589	0.72	0.45	0.00	1.00
R13DPOACH	5650	0.70	0.46	0.00	1.00
R14DPOACH	5154	0.69	0.46	0.00	1.00
R15DPOACH	5131	0.69	0.46	0.00	1.00
S3DPOACH	142	0.30	0.46	0.00	1.00
S11DPOACH	2684	0.58	0.49	0.00	1.00
S12DPOACH	2879	0.61	0.49	0.00	1.00
S13DPOACH	2862	0.59	0.49	0.00	1.00
S14DPOACH	2593	0.58	0.49	0.00	1.00
S15DPOACH	2593	0.58	0.49	0.00	1.00
R3DPOARL	247	0.07	0.26	0.00	1.00
R11DPOARL	5088	0.08	0.27	0.00	1.00
R12DPOARL	5589	0.09	0.28	0.00	1.00
R13DPOARL	5650	0.09	0.29	0.00	1.00
R14DPOARL	5154	0.11	0.31	0.00	1.00
R15DPOARL	5131	0.10	0.30	0.00	1.00
S3DPOARL	142	0.02	0.14	0.00	1.00
S11DPOARL	2684	0.04	0.20	0.00	1.00
S12DPOARL	2879	0.05	0.22	0.00	1.00
S13DPOARL	2862	0.05	0.22	0.00	1.00
S14DPOARL	2593	0.07	0.25	0.00	1.00
S15DPOARL	2593	0.06	0.24	0.00	1.00
R3DPOAFR	247	0.02	0.14	0.00	1.00
R11DPOAFR	5088	0.02	0.14	0.00	1.00
R12DPOAFR	5589	0.02	0.15	0.00	1.00
R13DPOAFR	5650	0.02	0.14	0.00	1.00
R14DPOAFR	5154	0.03	0.17	0.00	1.00
R15DPOAFR	5131	0.02	0.15	0.00	1.00
S3DPOAFR	142	0.00	0.00	0.00	0.00
S11DPOAFR	2684	0.01	0.09	0.00	1.00
S12DPOAFR	2879	0.01	0.11	0.00	1.00
S13DPOAFR	2862	0.01	0.10	0.00	1.00
S14DPOAFR	2593	0.01	0.12	0.00	1.00
S15DPOAFR	2593	0.01	0.11	0.00	1.00
R3DPOADR	247	0.03	0.17	0.00	1.00
R11DPOADR	5088	0.01	0.09	0.00	1.00
R12DPOADR	5589	0.00	0.07	0.00	1.00
R13DPOADR	5650	0.00	0.06	0.00	1.00
R14DPOADR	5154	0.01	0.07	0.00	1.00
R15DPOADR	5131	0.01	0.07	0.00	1.00
S3DPOADR	142	0.04	0.18	0.00	1.00
S11DPOADR	2684	0.01	0.09	0.00	1.00
S12DPOADR	2879	0.01	0.07	0.00	1.00
S13DPOADR	2862	0.00	0.06	0.00	1.00
S14DPOADR	2593	0.01	0.07	0.00	1.00

S15DPOADR	2593	0.00	0.07	0.00	1.00
R3DPOARA	247	0.00	0.00	0.00	0.00
R11DPOARA	5088	0.00	0.05	0.00	1.00
R12DPOARA	5589	0.00	0.04	0.00	1.00
R13DPOARA	5650	0.00	0.05	0.00	1.00
R14DPOARA	5154	0.00	0.05	0.00	1.00
R15DPOARA	5131	0.00	0.04	0.00	1.00
S3DPOARA	142	0.00	0.00	0.00	0.00
S11DPOARA	2684	0.00	0.05	0.00	1.00
S12DPOARA	2879	0.00	0.03	0.00	1.00
S13DPOARA	2862	0.00	0.03	0.00	1.00
S14DPOARA	2593	0.00	0.02	0.00	1.00
S15DPOARA	2593	0.00	0.03	0.00	1.00
R3DPOALP	247	0.03	0.18	0.00	1.00
R11DPOALP	5088	0.01	0.08	0.00	1.00
R12DPOALP	5589	0.01	0.07	0.00	1.00
R13DPOALP	5650	0.00	0.07	0.00	1.00
R14DPOALP	5154	0.00	0.06	0.00	1.00
R15DPOALP	5131	0.00	0.07	0.00	1.00
S3DPOALP	142	0.04	0.18	0.00	1.00
S11DPOALP	2684	0.01	0.08	0.00	1.00
S12DPOALP	2879	0.00	0.06	0.00	1.00
S13DPOALP	2862	0.00	0.06	0.00	1.00
S14DPOALP	2593	0.00	0.04	0.00	1.00
S15DPOALP	2593	0.00	0.06	0.00	1.00
R3DPOASW	247	0.00	0.00	0.00	0.00
R11DPOASW	5088	0.00	0.01	0.00	1.00
R12DPOASW	5589	0.00	0.01	0.00	1.00
R13DPOASW	5650	0.00	0.01	0.00	1.00
R14DPOASW	5154	0.00	0.01	0.00	1.00
R15DPOASW	5131	0.00	0.00	0.00	0.00
S3DPOASW	142	0.00	0.00	0.00	0.00
S11DPOASW	2684	0.00	0.00	0.00	0.00
S12DPOASW	2879	0.00	0.00	0.00	0.00
S13DPOASW	2862	0.00	0.02	0.00	1.00
S14DPOASW	2593	0.00	0.00	0.00	0.00
S15DPOASW	2593	0.00	0.00	0.00	0.00
R3DPOAOT	247	0.01	0.09	0.00	1.00
R11DPOAOT	5088	0.02	0.13	0.00	1.00
R12DPOAOT	5589	0.01	0.10	0.00	1.00
R13DPOAOT	5650	0.01	0.11	0.00	1.00
R14DPOAOT	5154	0.01	0.08	0.00	1.00
R15DPOAOT	5131	0.02	0.12	0.00	1.00
S3DPOAOT	142	0.01	0.08	0.00	1.00
S11DPOAOT	2684	0.01	0.09	0.00	1.00
S12DPOAOT	2879	0.01	0.09	0.00	1.00
S13DPOAOT	2862	0.01	0.09	0.00	1.00
S14DPOAOT	2593	0.00	0.06	0.00	1.00
S15DPOAOT	2593	0.01	0.10	0.00	1.00

### Categorical Variable Codes

Value-----|  
 .b:not part of subsample |  
 .d:DK |

R3DPOAFH  
 16827  
 1

.r:Refuse					1
0.no					914
1.yes					248
Value-----	R11DPOAFH	R12DPOAFH	R13DPOAFH	R14DPOAFH	R15DPOAFH
.a:not asked under age 65	9818	8378	10940	8152	6738
.d:DK	95	83	60	61	96
.m:Missing	31	34	34	57	97
.r:Refuse	23	23	18	18	25
0.no	5526	4651	4222	3695	3573
1.yes	5061	5578	5638	5163	5194
Value-----			S3DPOAFH		
.b:not part of subsample			11153		
.u:not coupled			5659		
.v:SP NR			416		
0.no			619		
1.yes			144		
Value-----	S11DPOAFH	S12DPOAFH	S13DPOAFH	S14DPOAFH	S15DPOAFH
.a:not asked under age 65	6479	5426	6568	4727	3866
.d:DK	45	38	21	22	47
.m:Missing	6	7	6	17	19
.r:Refuse	9	10	9	5	13
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	3231	2621	2285	1971	1898
1.yes	2706	2910	2889	2616	2623
Value-----		R12FDPOAFH	R13FDPOAFH	R14FDPOAFH	R15FDPOAFH
0.no dispute		18686	20859	17075	15644
1.no dispute, arrangement c		24	21	21	36
2.dispute prv wv, now has			2	2	3
3.dispute prv wv, does not		37	30	48	40
Value-----		S12FDPOAFH	S13FDPOAFH	S14FDPOAFH	S15FDPOAFH
.u:not coupled		7125	8025	6684	6202
.v:SP NR		610	1109	1104	1055
0.no dispute		10979	11757	9320	8429
1.no dispute, arrangement c		10	6	9	14
2.dispute prv wv, now has			1		2
3.dispute prv wv, does not		23	14	29	21
Value-----			R3DPOASP		
.b:not part of subsample			16828		
.d:DK			1		
.n:no dpoa			913		
.r:Refuse			2		
0.no			161		
1.yes			86		
Value-----	R11DPOASP	R12DPOASP	R13DPOASP	R14DPOASP	R15DPOASP
.a:not asked under age 65	9818	8378	10940	8152	6738
.d:DK	108	104	84	80	118
.m:Missing	31	71	64	105	148
.n:no dpoa	5458	4544	4125	3605	3533
.r:Refuse	51	61	49	50	55
0.no	3321	3655	3665	3151	3111
1.yes	1767	1934	1985	2003	2020
Value-----			S3DPOASP		
.b:not part of subsample			11154		
.n:no dpoa			619		
.r:Refuse			1		
.u:not coupled			5659		
.v:SP NR			416		
0.no			57		
1.yes			85		
Value-----	S11DPOASP	S12DPOASP	S13DPOASP	S14DPOASP	S15DPOASP
.a:not asked under age 65	6479	5426	6568	4727	3866
.d:DK	53	53	37	33	57
.m:Missing	6	30	20	46	49
.n:no dpoa	3231	2598	2271	1942	1877
.r:Refuse	23	26	20	17	24
.u:not coupled	7483	7125	8025	6684	6202



.v:SP NR	595	610	1109	1104	1055
0.no	983	1034	995	771	727
1.yes	1701	1845	1867	1822	1866

Value-----			R3DPOACH		
.b:not part of subsample			16828		
.d:DK			1		
.n:no dpoa			913		
.r:Refuse			2		
0.no			126		
1.yes			121		

Value-----	R11DPOACH	R12DPOACH	R13DPOACH	R14DPOACH	R15DPOACH
.a:not asked under age 65	9818	8378	10940	8152	6738
.d:DK	108	104	84	80	118
.m:Missing	31	71	64	105	148
.n:no dpoa	5458	4544	4125	3605	3533
.r:Refuse	51	61	49	50	55
0.no	1520	1557	1692	1599	1594
1.yes	3568	4032	3958	3555	3537

Value-----			S3DPOACH		
.b:not part of subsample			11154		
.n:no dpoa			619		
.r:Refuse			1		
.u:not coupled			5659		
.v:SP NR			416		
0.no			99		
1.yes			43		

Value-----	S11DPOACH	S12DPOACH	S13DPOACH	S14DPOACH	S15DPOACH
.a:not asked under age 65	6479	5426	6568	4727	3866
.d:DK	53	53	37	33	57
.m:Missing	6	30	20	46	49
.n:no dpoa	3231	2598	2271	1942	1877
.r:Refuse	23	26	20	17	24
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	1117	1114	1184	1096	1081
1.yes	1567	1765	1678	1497	1512

Value-----			R3DPOARL		
.b:not part of subsample			16828		
.d:DK			1		
.n:no dpoa			913		
.r:Refuse			2		
0.no			229		
1.yes			18		

Value-----	R11DPOARL	R12DPOARL	R13DPOARL	R14DPOARL	R15DPOARL
.a:not asked under age 65	9818	8378	10940	8152	6738
.d:DK	108	104	84	80	118
.m:Missing	31	71	64	105	148
.n:no dpoa	5458	4544	4125	3605	3533
.r:Refuse	51	61	49	50	55
0.no	4697	5102	5136	4609	4602
1.yes	391	487	514	545	529

Value-----			S3DPOARL		
.b:not part of subsample			11154		
.n:no dpoa			619		
.r:Refuse			1		
.u:not coupled			5659		
.v:SP NR			416		
0.no			139		
1.yes			3		

Value-----	S11DPOARL	S12DPOARL	S13DPOARL	S14DPOARL	S15DPOARL
.a:not asked under age 65	6479	5426	6568	4727	3866
.d:DK	53	53	37	33	57
.m:Missing	6	30	20	46	49
.n:no dpoa	3231	2598	2271	1942	1877
.r:Refuse	23	26	20	17	24
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	2572	2730	2709	2420	2434

1.yes | 112 149 153 173 159

Value-----| R3DPOAFR  
 .b:not part of subsample | 16828  
 .d:DK | 1  
 .n:no dpoa | 913  
 .r:Refuse | 2  
 0.no | 242  
 1.yes | 5

Value-----| R11DPOAFR R12DPOAFR R13DPOAFR R14DPOAFR R15DPOAFR  
 .a:not asked under age 65 | 9818 8378 10940 8152 6738  
 .d:DK | 108 104 84 80 118  
 .m:Missing | 31 71 64 105 148  
 .n:no dpoa | 5458 4544 4125 3605 3533  
 .r:Refuse | 51 61 49 50 55  
 0.no | 4987 5459 5530 4995 5005  
 1.yes | 101 130 120 159 126

Value-----| S3DPOAFR  
 .b:not part of subsample | 11154  
 .n:no dpoa | 619  
 .r:Refuse | 1  
 .u:not coupled | 5659  
 .v:SP NR | 416  
 0.no | 142

Value-----| S11DPOAFR S12DPOAFR S13DPOAFR S14DPOAFR S15DPOAFR  
 .a:not asked under age 65 | 6479 5426 6568 4727 3866  
 .d:DK | 53 53 37 33 57  
 .m:Missing | 6 30 20 46 49  
 .n:no dpoa | 3231 2598 2271 1942 1877  
 .r:Refuse | 23 26 20 17 24  
 .u:not coupled | 7483 7125 8025 6684 6202  
 .v:SP NR | 595 610 1109 1104 1055  
 0.no | 2662 2843 2835 2558 2564  
 1.yes | 22 36 27 35 29

Value-----| R3DPOADR  
 .b:not part of subsample | 16828  
 .d:DK | 1  
 .n:no dpoa | 913  
 .r:Refuse | 2  
 0.no | 240  
 1.yes | 7

Value-----| R11DPOADR R12DPOADR R13DPOADR R14DPOADR R15DPOADR  
 .a:not asked under age 65 | 9818 8378 10940 8152 6738  
 .d:DK | 108 104 84 80 118  
 .m:Missing | 31 71 64 105 148  
 .n:no dpoa | 5458 4544 4125 3605 3533  
 .r:Refuse | 51 61 49 50 55  
 0.no | 5050 5563 5628 5125 5104  
 1.yes | 38 26 22 29 27

Value-----| S3DPOADR  
 .b:not part of subsample | 11154  
 .n:no dpoa | 619  
 .r:Refuse | 1  
 .u:not coupled | 5659  
 .v:SP NR | 416  
 0.no | 137  
 1.yes | 5

Value-----| S11DPOADR S12DPOADR S13DPOADR S14DPOADR S15DPOADR  
 .a:not asked under age 65 | 6479 5426 6568 4727 3866  
 .d:DK | 53 53 37 33 57  
 .m:Missing | 6 30 20 46 49  
 .n:no dpoa | 3231 2598 2271 1942 1877  
 .r:Refuse | 23 26 20 17 24  
 .u:not coupled | 7483 7125 8025 6684 6202  
 .v:SP NR | 595 610 1109 1104 1055  
 0.no | 2662 2864 2852 2580 2581  
 1.yes | 22 15 10 13 12

Value-----| R3DPOARA

.b:not part of subsample					16828
.d:DK					1
.n:no dpoa					913
.r:Refuse					2
0.no					247
Value-----	R11DPOARA	R12DPOARA	R13DPOARA	R14DPOARA	R15DPOARA
.a:not asked under age 65	9818	8378	10940	8152	6738
.d:DK	108	104	84	80	118
.m:Missing	31	71	64	105	148
.n:no dpoa	5458	4544	4125	3605	3533
.r:Refuse	51	61	49	50	55
0.no	5077	5581	5637	5142	5123
1.yes	11	8	13	12	8
Value-----			S3DPOARA		
.b:not part of subsample			11154		
.n:no dpoa			619		
.r:Refuse			1		
.u:not coupled			5659		
.v:SP NR			416		
0.no			142		
Value-----	S11DPOARA	S12DPOARA	S13DPOARA	S14DPOARA	S15DPOARA
.a:not asked under age 65	6479	5426	6568	4727	3866
.d:DK	53	53	37	33	57
.m:Missing	6	30	20	46	49
.n:no dpoa	3231	2598	2271	1942	1877
.r:Refuse	23	26	20	17	24
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	2678	2877	2859	2592	2591
1.yes	6	2	3	1	2
Value-----			R3DPOALP		
.b:not part of subsample			16828		
.d:DK			1		
.n:no dpoa			913		
.r:Refuse			2		
0.no			239		
1.yes			8		
Value-----	R11DPOALP	R12DPOALP	R13DPOALP	R14DPOALP	R15DPOALP
.a:not asked under age 65	9818	8378	10940	8152	6738
.d:DK	108	104	84	80	118
.m:Missing	31	71	64	105	148
.n:no dpoa	5458	4544	4125	3605	3533
.r:Refuse	51	61	49	50	55
0.no	5057	5560	5622	5137	5106
1.yes	31	29	28	17	25
Value-----			S3DPOALP		
.b:not part of subsample			11154		
.n:no dpoa			619		
.r:Refuse			1		
.u:not coupled			5659		
.v:SP NR			416		
0.no			137		
1.yes			5		
Value-----	S11DPOALP	S12DPOALP	S13DPOALP	S14DPOALP	S15DPOALP
.a:not asked under age 65	6479	5426	6568	4727	3866
.d:DK	53	53	37	33	57
.m:Missing	6	30	20	46	49
.n:no dpoa	3231	2598	2271	1942	1877
.r:Refuse	23	26	20	17	24
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	2667	2870	2852	2588	2584
1.yes	17	9	10	5	9
Value-----			R3DPOASW		
.b:not part of subsample			16828		
.d:DK			1		
.n:no dpoa			913		
.r:Refuse			2		

0.no						247
Value-----	R11DPOASW	R12DPOASW	R13DPOASW	R14DPOASW	R15DPOASW	
.a:not asked under age 65	9818	8378	10940	8152	6738	
.d:DK	108	104	84	80	118	
.m:Missing	31	71	64	105	148	
.n:no dpoa	5458	4544	4125	3605	3533	
.r:Refuse	51	61	49	50	55	
0.no	5087	5588	5649	5153	5131	
1.yes	1	1	1	1		
Value-----			S3DPOASW			
.b:not part of subsample			11154			
.n:no dpoa			619			
.r:Refuse			1			
.u:not coupled			5659			
.v:SP NR			416			
0.no			142			
Value-----	S11DPOASW	S12DPOASW	S13DPOASW	S14DPOASW	S15DPOASW	
.a:not asked under age 65	6479	5426	6568	4727	3866	
.d:DK	53	53	37	33	57	
.m:Missing	6	30	20	46	49	
.n:no dpoa	3231	2598	2271	1942	1877	
.r:Refuse	23	26	20	17	24	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
0.no	2684	2879	2861	2593	2593	
1.yes			1			
Value-----			R3DPOAOT			
.b:not part of subsample			16828			
.d:DK			1			
.n:no dpoa			913			
.r:Refuse			2			
0.no			245			
1.yes			2			
Value-----	R11DPOAOT	R12DPOAOT	R13DPOAOT	R14DPOAOT	R15DPOAOT	
.a:not asked under age 65	9818	8378	10940	8152	6738	
.d:DK	108	104	84	80	118	
.m:Missing	31	71	64	105	148	
.n:no dpoa	5458	4544	4125	3605	3533	
.r:Refuse	51	61	49	50	55	
0.no	5006	5531	5579	5123	5050	
1.yes	82	58	71	31	81	
Value-----			S3DPOAOT			
.b:not part of subsample			11154			
.n:no dpoa			619			
.r:Refuse			1			
.u:not coupled			5659			
.v:SP NR			416			
0.no			141			
1.yes			1			
Value-----	S11DPOAOT	S12DPOAOT	S13DPOAOT	S14DPOAOT	S15DPOAOT	
.a:not asked under age 65	6479	5426	6568	4727	3866	
.d:DK	53	53	37	33	57	
.m:Missing	6	30	20	46	49	
.n:no dpoa	3231	2598	2271	1942	1877	
.r:Refuse	23	26	20	17	24	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
0.no	2660	2858	2839	2583	2566	
1.yes	24	21	23	10	27	

### How Constructed:

RwDPOAFH indicates whether the respondent has a Durable Power of Attorney for Health Care, someone who can legally make decisions about their care or medical treatment if they cannot make those decisions themselves. This question is asked to a small subsample of people in an experimental module in the AHEAD and HRS cohorts in Wave 3. This question is asked starting in Wave 11 to all respondents aged 65 and older. Starting in Wave 12, those who previously reported not having a Durable Power of Attorney for

Health Care are asked the same question, but those who previously reported having a Durable Power of Attorney for Health Care are asked to confirm this arrangement. RwdPOAFH is coded as 0 if the respondent has no Durable Power of Attorney for Health Care. RwdPOAFH is coded as 1 if the respondent does have a Durable Power of Attorney for Health Care. Starting in Wave 12, RwdPOAFH is also coded as 0 if the respondent disputes the previous wave record and reports not having the arrangement, and is also coded as 1 if the respondent reports having the arrangement but it has changed or if the respondent disputes the previous wave record and now has the arrangement. If the respondent disputes having a Durable Power of Attorney for Health Care in the previous wave record, then RwdPOAFH in the previous waves are set to 0. If the respondent was not selected for the subsample in the AHEAD and HRS cohorts in Wave 3, then RwdPOAFH is assigned special missing .b in Wave 3. Starting in Wave 11, if the respondent is under age 65, then RwdPOAFH is assigned special missing .a. RwdPOAFH is not available in Waves 1, 2, or 4 through 10 because this question is not asked. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwdPOAFH is set to plain missing (.) for respondents who did not participate in the current wave.

SwDPOAFH indicates whether the respondent's spouse has a Durable Power of Attorney for Health Care, and its values are taken from RwdPOAFH. In addition to the special missing codes used in RwdPOAFH, SwDPOAFH employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Starting in Wave 12, respondents who previously reported having a Durable Power of Attorney for Health Care are asked to confirm their arrangement. RwfDPOAFH is a flag indicating whether the respondent has changed or disputes the arrangement reported in a previous wave. RwfDPOAFH is coded as 1 if the respondent confirms having instructions but reports that the arrangement has changed. RwfDPOAFH is coded as 2 if the respondent disputes the previous wave record but reports now having the arrangement. RwfDPOAFH is coded as 3 if the respondent disputes the previous wave record and does not have the arrangement. RwfDPOAFH is coded as 0 otherwise. RwfDPOAFH is not available in any waves prior to Wave 12 because there is no opportunity to dispute their arrangement prior to this wave. RwfDPOAFH is set to plain missing (.) for respondents who did not participate in the current wave.

SwFDPOAFH is a flag indicating whether the respondent's spouse has changed or disputes the arrangement reported in a previous wave, and its values are taken from RwfDPOAFH. SwFDPOAFH employs two special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwdPOASP, RwdPOACH, RwdPOARL, RwdPOAFR, RwdPOADR, RwdPOARA, RwdPOALP, RwdPOASW, and RwdPOAOT indicate whether a person with the specified relationship was mentioned being a Durable Power of Attorney for the respondent. The respondent selects the relationship of who will serve as the Durable Power of Attorney from a drop-down list, and can select multiple people starting in Wave 11. RwdPOASP indicates if the respondent's spouse or partner will be a Durable Power of Attorney. RwdPOACH indicates if the respondent's child, child-in-law, or grandchild will be a Durable Power of Attorney. RwdPOARL indicates if another relative of the respondent will be a Durable Power of Attorney. RwdPOAFR indicates if the respondent's friend will be a Durable Power of Attorney. RwdPOADR indicates if the respondent's physician or healthcare professional will be a Durable Power of Attorney. RwdPOARA indicates if the respondent's minister, rabbi, priest, or religious advisor will be a Durable Power of Attorney. RwdPOALP indicates if the respondent's attorney will be a Durable Power of Attorney. RwdPOASW indicates if a social worker will be the respondent's Durable Power of Attorney. RwdPOAOT indicates if some other person will be the respondent's Durable Power of Attorney. RwdPOASP, RwdPOACH, RwdPOARL, RwdPOAFR, RwdPOADR, RwdPOARA, RwdPOALP, RwdPOASW, and RwdPOAOT are coded as 0 if the relationship is not mentioned as being a Durable Power of Attorney, and are coded as 1 if the relationship is mentioned as being a Durable Power of Attorney. These variables are assigned special missing .n if the deceased respondent did not have a Durable Power of Attorney. If the respondent disputes having a Durable Power of Attorney for Health Care in the previous wave record in Wave 12, then these variables in the previous waves are set to .n. If the respondent was not selected for the subsample in the AHEAD and HRS cohorts in Wave 3, then these variables are assigned special missing .b in Wave 3. Starting in Wave 11, if the respondent is under age 65, then these variables are assigned special missing .a. These variables are not available in HRS Waves 1, 2, or 4 through 10 because this question is not asked. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwDPOASP, SwDPOACH, SwDPOARL, SwDPOAFR, SwDPOADR, SwDPOARA, SwDPOALP, SwDPOASW, and SwDPOAOT indicate whether a person with the specified relationship was mentioned being a Durable Power of Attorney for the respondent's spouse, and their values are taken from the respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In the AHEAD and HRS cohorts in Wave 3, only a small subsample of respondents are asked whether they have a Durable Power of Attorney for Health Care.

In Wave 11, all respondents aged 65 and older are asked whether they have a Durable Power of Attorney for Health Care. Starting in Wave 12, the same question is asked if the respondent did not have a Durable Power of Attorney for Health Care in the previous wave. Starting in Wave 12, if the respondent has previously reported having a Durable Power of Attorney for Health Care, they are asked if this arrangement is still in place, at which point they can confirm whether the arrangement is the same or not, confirm that instructions are in place but the arrangement has changed, or dispute the previous wave record and they either now have or now do not have the arrangement. The ability to dispute a previous report necessitates the introduction of a flag variable in Wave 12.

In Wave 11, the respondent is asked who has the authority if they report having a Durable Power of Attorney for Health Care. Starting in Wave 12, the respondent is asked this question as long as they report currently having a Durable Power of Attorney for Health Care, even if they dispute or have changed their previous report. In AHEAD Wave 2 and HRS Wave 3, the respondent can only select one person with the authority to make decisions. In Wave 11 and starting in Wave 13, up to 4 relationships are selected, and in Wave 12, up to 5 relationships are selected.

These questions are not asked at all in Wave 1, the AHEAD or HRS cohorts in Wave 3, or in Waves 4 through 10.

## HRS Variables Used:

### Wave 3 AHEAD:

D218	cs1a.proxy/self interview
D528	which module
D5636	m6-0.intro
D5647	m6-4.legal arrangements
D5648	m6-4a.who authority

### Wave 3 HRS:

E528	which module
E5376	m-all.intro
E5776	m7-4.legal arrangements
E5777	m7-4a.who authority

### Wave 11:

NA019	r current age calculation
NT246	assign durable power of attorney
NT247M1	who has durable power of attorney -1
NT247M2	who has durable power of attorney -2
NT247M3	who has durable power of attorney -3
NT247M4	who has durable power of attorney -4

### Wave 12:

OA019	r current age calculation
OT246	assign durable power of attorney
OT247M1	who has durable power of attorney -1
OT247M2	who has durable power of attorney -2
OT247M3	who has durable power of attorney -3
OT247M4	who has durable power of attorney -4
OT247M5	who has durable power of attorney -5

### Wave 13:

PA019	r current age calculation
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PT246	assign durable power of attorney
PT247M1	who has durable power of attorney -1
PT247M2	who has durable power of attorney -2
PT247M3	who has durable power of attorney -3
PT247M4	who has durable power of attorney -4
Wave 14:	
QA019	r current age calculation
QT246	assign durable power of attorney
QT247M1	who has durable power of attorney -1
QT247M2	who has durable power of attorney -2
QT247M3	who has durable power of attorney -3
QT247M4	who has durable power of attorney -4
Wave 15:	
RA019	r current age calculation
RT246	assign durable power of attorney
RT247M1	who has durable power of attorney -1
RT247M2	who has durable power of attorney -2
RT247M3	who has durable power of attorney -3
RT247M4	who has durable power of attorney -4

<b>Life Insurance: Total Number of Policies and Value</b>
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Wave	Variable	Label	Type
01	R1NLFINS	r1nlfins:w1 r number life insurance policies	Categ
02	R2NLFINS	r2nlfins:w2 r number life insurance policies	Categ
03	R3NLFINS	r3nlfins:w3 r number life insurance policies	Categ
04	R4NLFINS	r4nlfins:w4 r number life insurance policies	Categ
05	R5NLFINS	r5nlfins:w5 r number life insurance policies	Categ
06	R6NLFINS	r6nlfins:w6 r number life insurance policies	Categ
07	R7NLFINS	r7nlfins:w7 r number life insurance policies	Categ
08	R8NLFINS	r8nlfins:w8 r number life insurance policies	Categ
09	R9NLFINS	r9nlfins:w9 r number life insurance policies	Categ
10	R10NLFINS	r10nlfins:w10 r number life insurance policies	Categ
11	R11NLFINS	r11nlfins:w11 r number life insurance policies	Categ
12	R12NLFINS	r12nlfins:w12 r number life insurance policies	Categ
13	R13NLFINS	r13nlfins:w13 r number life insurance policies	Categ
14	R14NLFINS	r14nlfins:w14 r number life insurance policies	Categ
15	R15NLFINS	r15nlfins:w15 r number life insurance policies	Categ
01	S1NLFINS	s1nlfins:w1 s number life insurance policies	Categ
02	S2NLFINS	s2nlfins:w2 s number life insurance policies	Categ
03	S3NLFINS	s3nlfins:w3 s number life insurance policies	Categ
04	S4NLFINS	s4nlfins:w4 s number life insurance policies	Categ
05	S5NLFINS	s5nlfins:w5 s number life insurance policies	Categ
06	S6NLFINS	s6nlfins:w6 s number life insurance policies	Categ
07	S7NLFINS	s7nlfins:w7 s number life insurance policies	Categ
08	S8NLFINS	s8nlfins:w8 s number life insurance policies	Categ
09	S9NLFINS	s9nlfins:w9 s number life insurance policies	Categ
10	S10NLFINS	s10nlfins:w10 s number life insurance policies	Categ
11	S11NLFINS	s11nlfins:w11 s number life insurance policies	Categ
12	S12NLFINS	s12nlfins:w12 s number life insurance policies	Categ
13	S13NLFINS	s13nlfins:w13 s number life insurance policies	Categ
14	S14NLFINS	s14nlfins:w14 s number life insurance policies	Categ
15	S15NLFINS	s15nlfins:w15 s number life insurance policies	Categ
01	R1LIFEINV	r1lifeinv:w1 r value life insurance policies	Cont
02	R2LIFEINV	r2lifeinv:w2 r value life insurance policies	Cont
03	R3LIFEINV	r3lifeinv:w3 r value life insurance policies	Cont
04	R4LIFEINV	r4lifeinv:w4 r value life insurance policies	Cont
05	R5LIFEINV	r5lifeinv:w5 r value life insurance policies	Cont
06	R6LIFEINV	r6lifeinv:w6 r value life insurance policies	Cont
07	R7LIFEINV	r7lifeinv:w7 r value life insurance policies	Cont
08	R8LIFEINV	r8lifeinv:w8 r value life insurance policies	Cont
09	R9LIFEINV	r9lifeinv:w9 r value life insurance policies	Cont
10	R10LIFEINV	r10lifeinv:w10 r value life insurance policies	Cont
11	R11LIFEINV	r11lifeinv:w11 r value life insurance policies	Cont
12	R12LIFEINV	r12lifeinv:w12 r value life insurance policies	Cont
13	R13LIFEINV	r13lifeinv:w13 r value life insurance policies	Cont
14	R14LIFEINV	r14lifeinv:w14 r value life insurance policies	Cont
15	R15LIFEINV	r15lifeinv:w15 r value life insurance policies	Cont
01	S1LIFEINV	s1lifeinv:w1 s value life insurance policies	Cont
02	S2LIFEINV	s2lifeinv:w2 s value life insurance policies	Cont
03	S3LIFEINV	s3lifeinv:w3 s value life insurance policies	Cont
04	S4LIFEINV	s4lifeinv:w4 s value life insurance policies	Cont
05	S5LIFEINV	s5lifeinv:w5 s value life insurance policies	Cont
06	S6LIFEINV	s6lifeinv:w6 s value life insurance policies	Cont
07	S7LIFEINV	s7lifeinv:w7 s value life insurance policies	Cont
08	S8LIFEINV	s8lifeinv:w8 s value life insurance policies	Cont
09	S9LIFEINV	s9lifeinv:w9 s value life insurance policies	Cont



10	S10LIFEINV	s10lifeinv:w10	s	value	life	insurance	policies	Cont
11	S11LIFEINV	s11lifeinv:w11	s	value	life	insurance	policies	Cont
12	S12LIFEINV	s12lifeinv:w12	s	value	life	insurance	policies	Cont
13	S13LIFEINV	s13lifeinv:w13	s	value	life	insurance	policies	Cont
14	S14LIFEINV	s14lifeinv:w14	s	value	life	insurance	policies	Cont
15	S15LIFEINV	s15lifeinv:w15	s	value	life	insurance	policies	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1NLFINS	12398	1.24	1.18	0.00	5.00
R2NLFINS	19387	1.07	1.12	0.00	5.00
R3NLFINS	17634	1.12	1.10	0.00	5.00
R4NLFINS	20893	1.15	1.09	0.00	5.00
R5NLFINS	19095	1.07	1.05	0.00	5.00
R6NLFINS	17656	1.06	1.05	0.00	5.00
R7NLFINS	19640	1.06	1.05	0.00	5.00
R8NLFINS	18027	1.02	1.03	0.00	5.00
R9NLFINS	16791	0.97	1.01	0.00	5.00
R10NLFINS	21230	0.90	0.99	0.00	5.00
R11NLFINS	20053	0.88	0.97	0.00	5.00
R12NLFINS	18238	0.85	0.96	0.00	5.00
R13NLFINS	20317	0.83	0.96	0.00	5.00
R14NLFINS	16660	0.82	0.94	0.00	5.00
R15NLFINS	15191	0.78	0.92	0.00	5.00
S1NLFINS	9788	1.33	1.20	0.00	5.00
S2NLFINS	12873	1.19	1.17	0.00	5.00
S3NLFINS	11726	1.24	1.14	0.00	5.00
S4NLFINS	13711	1.26	1.12	0.00	5.00
S5NLFINS	12445	1.17	1.06	0.00	5.00
S6NLFINS	11332	1.17	1.08	0.00	5.00
S7NLFINS	12688	1.16	1.06	0.00	5.00
S8NLFINS	11470	1.11	1.05	0.00	5.00
S9NLFINS	10401	1.07	1.03	0.00	5.00
S10NLFINS	13060	0.99	1.01	0.00	5.00
S11NLFINS	12219	0.95	1.00	0.00	5.00
S12NLFINS	10757	0.92	0.98	0.00	5.00
S13NLFINS	11504	0.90	0.98	0.00	5.00
S14NLFINS	9144	0.89	0.97	0.00	5.00
S15NLFINS	8235	0.83	0.95	0.00	5.00
R1LIFEINV	11161	51590.45	119612.55	0.00	2300000.00
R2LIFEINV	17591	33104.65	229910.93	0.00	10024994.00
R3LIFEINV	15115	33298.57	112794.14	0.00	5000000.00
R4LIFEINV	18442	40920.99	143626.80	0.00	6000000.00
R5LIFEINV	17007	47971.37	1157474.44	0.00	150000000.00
R6LIFEINV	15601	41425.73	138898.72	0.00	4300000.00
R7LIFEINV	17419	52445.60	157272.09	0.00	6000000.00
R8LIFEINV	16122	52467.29	175281.81	0.00	8000000.00
R9LIFEINV	15157	50550.86	180290.04	0.00	8000000.00
R10LIFEINV	19527	64436.93	197837.52	0.00	7500000.00
R11LIFEINV	18445	62784.40	205745.47	0.00	8250000.00
R12LIFEINV	16914	62094.40	209086.09	0.00	10000000.00
R13LIFEINV	20516	8082253.91	27131276.98	0.00	100000000.00
R14LIFEINV	15376	89126.17	1181176.20	0.00	100010000.00
R15LIFEINV	14033	95499.34	1842336.70	0.00	150000000.00
S1LIFEINV	8828	58630.76	125677.25	0.00	2150000.00
S2LIFEINV	11616	42322.67	247563.27	0.00	10024994.00
S3LIFEINV	9876	43207.24	132361.31	0.00	5000000.00
S4LIFEINV	12054	51342.17	160866.68	0.00	6000000.00

S5LIFEINV	11005	64068.70	1437569.79	0.00	150000000.00
S6LIFEINV	9895	54016.80	156197.81	0.00	4300000.00
S7LIFEINV	11213	68426.14	183850.78	0.00	6000000.00
S8LIFEINV	10223	67932.72	200712.36	0.00	8000000.00
S9LIFEINV	9365	64878.35	195294.48	0.00	6000000.00
S10LIFEINV	12000	80803.66	213920.81	0.00	5000000.00
S11LIFEINV	11228	80552.63	229132.79	0.00	8250000.00
S12LIFEINV	9969	81986.66	248793.22	0.00	10000000.00
S13LIFEINV	11622	8492003.47	27724982.34	0.00	100000000.00
S14LIFEINV	8423	118460.28	1574991.91	0.00	100010000.00
S15LIFEINV	7601	136034.08	2495402.52	0.00	150000000.00

**Categorical Variable Codes**

Value-----	R1NLFINS	R2NLFINS	R3NLFINS	R4NLFINS	R5NLFINS
.d:DK	81	132	187	278	294
.m:Missing	95	247	90	72	49
.r:Refuse	78	51	80	141	140
0	3623	6991	5926	6496	6418
1	4777	7277	6518	8113	7420
2	2432	3134	3262	4017	3468
3	891	1177	1286	1475	1248
4	366	459	412	525	362
5.5 or more	309	349	230	267	179

Value-----	R6NLFINS	R7NLFINS	R8NLFINS	R9NLFINS	R10NLFINS
.d:DK	301	300	275	267	309
.m:Missing	18	36	22	23	278
.r:Refuse	190	153	145	136	217
0	6066	6793	6490	6343	8843
1	6741	7378	6895	6386	7581
2	3189	3673	3123	2824	3411
3	1157	1261	1054	857	991
4	322	363	302	241	256
5.5 or more	181	172	163	140	148

Value-----	R11NLFINS	R12NLFINS	R13NLFINS	R14NLFINS	R15NLFINS
.d:DK	232	241	226	196	200
.m:Missing	60	63	138	121	170
.r:Refuse	209	205	231	169	162
0	8591	8004	9238	7612	7271
1	7090	6401	6896	5730	5043
2	3118	2779	3040	2415	2123
3	903	773	821	651	569
4	232	181	223	177	131
5.5 or more	119	100	99	75	54

Value-----	S1NLFINS	S2NLFINS	S3NLFINS	S4NLFINS	S5NLFINS
.d:DK	64	110	114	166	187
.m:Missing		79	33	16	10
.r:Refuse	48	26	43	85	88
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0	2524	3961	3334	3618	3602
1	3794	5017	4439	5412	5000
2	2078	2318	2428	2952	2508
3	782	915	1002	1108	927
4	328	367	333	415	281
5.5 or more	282	295	190	206	127

Value-----	S6NLFINS	S7NLFINS	S8NLFINS	S9NLFINS	S10NLFINS
.d:DK	178	176	176	153	179
.m:Missing	6	12	5	5	149
.r:Refuse	116	92	77	81	120
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0	3358	3784	3655	3461	4887
1	4424	4921	4493	4062	4834
2	2318	2643	2223	1989	2367
3	848	940	757	603	689
4	248	271	222	181	182
5.5 or more	136	129	120	105	101

Value-----	S11NLFINS	S12NLFINS	S13NLFINS	S14NLFINS	S15NLFINS
.d:DK	136	134	118	111	124
.m:Missing	14	18	38	36	33
.r:Refuse	107	103	118	67	74
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0	4737	4325	4788	3848	3697
1	4513	3894	4039	3239	2817
2	2116	1841	1940	1495	1263
3	600	509	541	410	341
4	167	119	136	109	78
5.5 or more	86	69	60	43	39

## How Constructed:

RwNLFINS indicates the total number of life insurance policies the respondent reports having. In Wave 1, the AHEAD and HRS cohorts in Wave 2, and the AHEAD cohort in Wave 3, RwNLFINS takes the sum of the number of term and whole life insurance policies the respondent reports having. In the HRS cohort in Wave 3 and onward, RwNLFINS takes the value of the total number of life insurance policies the respondent reports having. RwNLFINS can take the values of 0 to 5, and if the respondent reports having more than 5 policies, then RwNLFINS takes the value of 5. RwNLFINS is assigned a value of 0 if the respondent reports having no life insurance policies. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwNLFINS is set to plain missing (.) for respondents who did not participate in the current wave.

SwNLFINS indicates the total number of life insurance policies the respondent's spouse reports having, and its values are taken from RwNLFINS. In addition to the special missing codes used in RwNLFINS, SwNLFINS employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLIFEINV indicates the total value of the respondent's life insurance policies. In Wave 1, the AHEAD and HRS cohorts in Wave 2, and the AHEAD cohort in Wave 3, RwLIFEINV takes the sum of the values of the term and whole life insurance policies the respondent reports having. In the HRS cohort in Wave 3 and onward, RwLIFEINV takes the value of the life insurance policies altogether. If the respondent reports having no life insurance policies or no term and no whole life policies, then RwLIFEINV takes a value of 0. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwLIFEINV is set to plain missing (.) for respondents who did not participate in the current wave.

SwLIFEINV indicates the total value of the respondent's spouse's life insurance policies, and its values are taken from RwLIFEINV. In addition to the special missing codes used in RwLIFEINV, SwLIFEINV employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In Wave 1, the AHEAD and HRS cohorts in Wave 2, and the AHEAD cohort in Wave 3, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked whether any are group or individual term insurance policies, and if so, the number and the total value of the term insurance policies. If they report having life insurance policies, they are then asked whether they have any life insurance policies that build up a cash value or that you can borrow on, which are sometimes called "whole life" or "straight life", and if so, the number and the total value of the whole life insurance policies. In Wave 1, the respondent can report up to 25 term or whole life policies. In the AHEAD cohort in Wave 2, the respondent can report 1, 2, 3, or 4 or more term or whole life policies. In the HRS cohort in Wave 2, the respondent can report up to 20 term or whole life policies. In the AHEAD cohort in Wave 3, the respondent can report a continuous number of 1 to 9, or 10 or more term or whole life policies.

In the HRS cohort in Wave 3 and in Wave 4, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked for the total number of different life insurance policies. In the HRS cohort in Wave 3, if the respondent only has one life insurance policy, they are asked the face value of this policy, and if the respondent reports having 2 or more life insurance policies, then they are asked the total face value of these policies. In Wave 4,

the respondent is asked the total face value of the policies, whether one or more, in a single question. In both waves, the respondent can report 1, 2, 3, 4, or 5 or more total policies. In both waves, the respondent is not asked about term versus whole life policies.

In HRS Wave 3 there are over 1,000 cases where the respondent reported having one life insurance policy but appears to not have been asked what was the value of this policy, for an unknown reason. These cases are assigned special missing .m in RwlIFEINV.

Starting in Wave 5, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked for the total number of different life insurance policies and for the total value of those policies. If they report having life insurance policies, they are then asked if any of the policies are ones that build up a cash value that you can borrow against, or that you would receive if the policy were to be cancelled, which are sometimes called "whole life" or "straight life policies", and if so, the number and the total value of the whole life insurance policies. The respondent can report 1, 2, 3, 4, or 5 or more total policies or whole life policies. In these waves, the respondent is not asked specifically about term policies.

### HRS Variables Used:

#### Wave 1:

V6701 r16:rlhave life insuranc  
 V6702 r17:rlterm ins policies  
 V6703 r17a:rltrm ins:#of polic  
 V6707 r17d:rltrm in:face \$ val  
 V6711 r18:rlbuild\*cash val\*pol  
 V6712 r18a:r1\*cv:# cv policies  
 V6713 r18b:r1\*cv:face value:\$

#### Wave 2 AHEAD:

B1884 r11. r life insurance: any  
 B1885 r12. r term life ins: any  
 B1886 r12a. r term life ins: # policies  
 B1889 r12d. r term life ins: payment if r dies  
 B1893 r15. r whole life ins: any  
 B1894 r15a. r whole life ins: # policies  
 B1897 r15d. r whole life ins: payment, r dies

#### Wave 2 HRS:

W6764 r15.life insurance  
 W6765 r16.group/individual ter  
 W6766 r16a.# term insurance po  
 W6770 r16d.face value of term  
 W6771 r17.any cash value insur  
 W6772 r17a.# of cash value pol  
 W6773 r17b.face value of cash  
 W6773 r17b.face value of cash

#### Wave 3 AHEAD:

D5279 r16.r life ins  
 D5280 r16a.r term ins  
 D5283 r16b.r # term ins  
 D5292 r16e.r face\$  
 D5297 r18.r whole life ins  
 D5298 r18a.r #life ins

#### Wave 3 HRS:

E5284 r94.have any life insurance  
 E5285 r95.number life insurance policies  
 E5286 r96.policy face value-only one policy  
 E5287 r97.policies face value-2+ policies  
 E5288 r97a.policies face value-2+ dk-20k  
 E5289 r97b.policies face value-2+ dk-50k  
 E5290 r97c.policies face value-2+ dk-250k

#### Wave 4:

F6015 r94.have any life insurance  
 F6016 r95.number life insurance policies  
 F6018 r97.policies face value-2+ policies

F6019 r97dx.r97 dk-2.5  
F6020 r97a.dk-20k  
F6021 r97b.dk-50k  
F6022 r97c.dk-250k  
F6023 r97ax.r97 dk-20k  
F6024 r97d.dk-2.5k

Wave 5:  
G6409 r94.have any life insurance  
G6419 r95.number life insurance policies  
G6421 r97.policies face value-2+ policies  
G6422 r97dx.r97 dk-2500  
G6423 r97a.dk-25k  
G6424 r97b.dk-50k  
G6425 r97c.dk-250k  
G6426 r97ax.r97 dk-25k  
G6427 r97d.dk-2500

Wave 6:  
HT011 r have any life insurance  
HT012 number of diff life ins policies r has  
HT013 face value of r life ins policies  
HT014 face value of r life ins -min  
HT015 face value of r life ins - max

Wave 7:  
JT011 r have any life insurance  
JT012 number of diff life ins policies r has  
JT013 face value of r life ins policies  
JT014 face value of r life ins -min  
JT015 face value of r life ins - max

Wave 8:  
KT011 r have any life insurance  
KT012 number of diff life ins policies r has  
KT013 face value of r life ins policies  
KT014 face value of r life ins -min  
KT015 face value of r life ins - max

Wave 9:  
LT011 r have any life insurance  
LT012 number of diff life ins policies r has  
LT013 face value of r life ins policies  
LT014 face value of r life ins -min  
LT015 face value of r life ins - max

Wave 10:  
MT011 r have any life insurance  
MT012 number of diff life ins policies r has  
MT013 face value of r life ins policies  
MT014 face value of r life ins -min  
MT015 face value of r life ins - max

Wave 11:  
NT011 r have any life insurance  
NT012 number of diff life ins policies r has  
NT013 face value of r life ins policies  
NT014 face value of r life ins -min  
NT015 face value of r life ins - max

Wave 12:  
OT011 r have any life insurance  
OT012 number of diff life ins policies r has  
OT013 face value of r life ins policies  
OT014 face value of r life ins -min  
OT015 face value of r life ins - max

Wave 13:  
PT011 r have any life insurance  
PT012 number of diff life ins policies r has  
PT013 face value of r life ins policies

Wave 14:

QT011 r have any life insurance  
QT012 number of diff life ins policies r has  
QT013 face value of r life ins policies

Wave 15:

RT011 r have any life insurance  
RT012 number of diff life ins policies r has  
RT013 face value of r life ins policies

<b>Life Insurance: Beneficiaries of All Policies</b>
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Wave	Variable	Label	Type
01	R1LFINSSP	r1lfinssp:w1 r spouse beneficiary of life ins	Categ
02	R2LFINSSP	r2lfinssp:w2 r spouse beneficiary of life ins	Categ
03	R3LFINSSP	r3lfinssp:w3 r spouse beneficiary of life ins	Categ
04	R4LFINSSP	r4lfinssp:w4 r spouse beneficiary of life ins	Categ
05	R5LFINSSP	r5lfinssp:w5 r spouse beneficiary of life ins	Categ
06	R6LFINSSP	r6lfinssp:w6 r spouse beneficiary of life ins	Categ
07	R7LFINSSP	r7lfinssp:w7 r spouse beneficiary of life ins	Categ
08	R8LFINSSP	r8lfinssp:w8 r spouse beneficiary of life ins	Categ
09	R9LFINSSP	r9lfinssp:w9 r spouse beneficiary of life ins	Categ
10	R10LFINSSP	r10lfinssp:w10 r spouse beneficiary of life ins	Categ
11	R11LFINSSP	r11lfinssp:w11 r spouse beneficiary of life ins	Categ
12	R12LFINSSP	r12lfinssp:w12 r spouse beneficiary of life ins	Categ
13	R13LFINSSP	r13lfinssp:w13 r spouse beneficiary of life ins	Categ
14	R14LFINSSP	r14lfinssp:w14 r spouse beneficiary of life ins	Categ
15	R15LFINSSP	r15lfinssp:w15 r spouse beneficiary of life ins	Categ
01	S1LFINSSP	s1lfinssp:w1 s spouse beneficiary of life ins	Categ
02	S2LFINSSP	s2lfinssp:w2 s spouse beneficiary of life ins	Categ
03	S3LFINSSP	s3lfinssp:w3 s spouse beneficiary of life ins	Categ
04	S4LFINSSP	s4lfinssp:w4 s spouse beneficiary of life ins	Categ
05	S5LFINSSP	s5lfinssp:w5 s spouse beneficiary of life ins	Categ
06	S6LFINSSP	s6lfinssp:w6 s spouse beneficiary of life ins	Categ
07	S7LFINSSP	s7lfinssp:w7 s spouse beneficiary of life ins	Categ
08	S8LFINSSP	s8lfinssp:w8 s spouse beneficiary of life ins	Categ
09	S9LFINSSP	s9lfinssp:w9 s spouse beneficiary of life ins	Categ
10	S10LFINSSP	s10lfinssp:w10 s spouse beneficiary of life ins	Categ
11	S11LFINSSP	s11lfinssp:w11 s spouse beneficiary of life ins	Categ
12	S12LFINSSP	s12lfinssp:w12 s spouse beneficiary of life ins	Categ
13	S13LFINSSP	s13lfinssp:w13 s spouse beneficiary of life ins	Categ
14	S14LFINSSP	s14lfinssp:w14 s spouse beneficiary of life ins	Categ
15	S15LFINSSP	s15lfinssp:w15 s spouse beneficiary of life ins	Categ
01	R1LFINSCH	r1lfinsch:w1 r child beneficiary of life ins	Categ
03	R3LFINSCH	r3lfinsch:w3 r child beneficiary of life ins	Categ
04	R4LFINSCH	r4lfinsch:w4 r child beneficiary of life ins	Categ
05	R5LFINSCH	r5lfinsch:w5 r child beneficiary of life ins	Categ
06	R6LFINSCH	r6lfinsch:w6 r child beneficiary of life ins	Categ
07	R7LFINSCH	r7lfinsch:w7 r child beneficiary of life ins	Categ
08	R8LFINSCH	r8lfinsch:w8 r child beneficiary of life ins	Categ
09	R9LFINSCH	r9lfinsch:w9 r child beneficiary of life ins	Categ
10	R10LFINSCH	r10lfinsch:w10 r child beneficiary of life ins	Categ
11	R11LFINSCH	r11lfinsch:w11 r child beneficiary of life ins	Categ
12	R12LFINSCH	r12lfinsch:w12 r child beneficiary of life ins	Categ
13	R13LFINSCH	r13lfinsch:w13 r child beneficiary of life ins	Categ
14	R14LFINSCH	r14lfinsch:w14 r child beneficiary of life ins	Categ
15	R15LFINSCH	r15lfinsch:w15 r child beneficiary of life ins	Categ
01	S1LFINSCH	s1lfinsch:w1 s child beneficiary of life ins	Categ
03	S3LFINSCH	s3lfinsch:w3 s child beneficiary of life ins	Categ
04	S4LFINSCH	s4lfinsch:w4 s child beneficiary of life ins	Categ
05	S5LFINSCH	s5lfinsch:w5 s child beneficiary of life ins	Categ
06	S6LFINSCH	s6lfinsch:w6 s child beneficiary of life ins	Categ
07	S7LFINSCH	s7lfinsch:w7 s child beneficiary of life ins	Categ
08	S8LFINSCH	s8lfinsch:w8 s child beneficiary of life ins	Categ
09	S9LFINSCH	s9lfinsch:w9 s child beneficiary of life ins	Categ
10	S10LFINSCH	s10lfinsch:w10 s child beneficiary of life ins	Categ
11	S11LFINSCH	s11lfinsch:w11 s child beneficiary of life ins	Categ

12	S12LFINSCH	s12lfinsch:w12	s	child beneficiary of life ins	Categ
13	S13LFINSCH	s13lfinsch:w13	s	child beneficiary of life ins	Categ
14	S14LFINSCH	s14lfinsch:w14	s	child beneficiary of life ins	Categ
15	S15LFINSCH	s15lfinsch:w15	s	child beneficiary of life ins	Categ
02	R2LFINSCG	r2lfinscg:w2	r	child/grandchild beneficiary of life ins	Categ
03	R3LFINSCG	r3lfinscg:w3	r	child/grandchild beneficiary of life ins	Categ
02	S2LFINSCG	s2lfinscg:w2	s	child/grandchild beneficiary of life ins	Categ
03	S3LFINSCG	s3lfinscg:w3	s	child/grandchild beneficiary of life ins	Categ
03	R3LFINS GK	r3lfinsgk:w3	r	grandchild beneficiary of life ins	Categ
04	R4LFINS GK	r4lfinsgk:w4	r	grandchild beneficiary of life ins	Categ
05	R5LFINS GK	r5lfinsgk:w5	r	grandchild beneficiary of life ins	Categ
06	R6LFINS GK	r6lfinsgk:w6	r	grandchild beneficiary of life ins	Categ
07	R7LFINS GK	r7lfinsgk:w7	r	grandchild beneficiary of life ins	Categ
08	R8LFINS GK	r8lfinsgk:w8	r	grandchild beneficiary of life ins	Categ
09	R9LFINS GK	r9lfinsgk:w9	r	grandchild beneficiary of life ins	Categ
10	R10LFINS GK	r10lfinsgk:w10	r	grandchild beneficiary of life ins	Categ
11	R11LFINS GK	r11lfinsgk:w11	r	grandchild beneficiary of life ins	Categ
12	R12LFINS GK	r12lfinsgk:w12	r	grandchild beneficiary of life ins	Categ
13	R13LFINS GK	r13lfinsgk:w13	r	grandchild beneficiary of life ins	Categ
14	R14LFINS GK	r14lfinsgk:w14	r	grandchild beneficiary of life ins	Categ
15	R15LFINS GK	r15lfinsgk:w15	r	grandchild beneficiary of life ins	Categ
03	S3LFINS GK	s3lfinsgk:w3	s	grandchild beneficiary of life ins	Categ
04	S4LFINS GK	s4lfinsgk:w4	s	grandchild beneficiary of life ins	Categ
05	S5LFINS GK	s5lfinsgk:w5	s	grandchild beneficiary of life ins	Categ
06	S6LFINS GK	s6lfinsgk:w6	s	grandchild beneficiary of life ins	Categ
07	S7LFINS GK	s7lfinsgk:w7	s	grandchild beneficiary of life ins	Categ
08	S8LFINS GK	s8lfinsgk:w8	s	grandchild beneficiary of life ins	Categ
09	S9LFINS GK	s9lfinsgk:w9	s	grandchild beneficiary of life ins	Categ
10	S10LFINS GK	s10lfinsgk:w10	s	grandchild beneficiary of life ins	Categ
11	S11LFINS GK	s11lfinsgk:w11	s	grandchild beneficiary of life ins	Categ
12	S12LFINS GK	s12lfinsgk:w12	s	grandchild beneficiary of life ins	Categ
13	S13LFINS GK	s13lfinsgk:w13	s	grandchild beneficiary of life ins	Categ
14	S14LFINS GK	s14lfinsgk:w14	s	grandchild beneficiary of life ins	Categ
15	S15LFINS GK	s15lfinsgk:w15	s	grandchild beneficiary of life ins	Categ
02	R2LFINSRL	r2lfinsrl:w2	r	relative beneficiary of life ins	Categ
03	R3LFINSRL	r3lfinsrl:w3	r	relative beneficiary of life ins	Categ
04	R4LFINSRL	r4lfinsrl:w4	r	relative beneficiary of life ins	Categ
05	R5LFINSRL	r5lfinsrl:w5	r	relative beneficiary of life ins	Categ
06	R6LFINSRL	r6lfinsrl:w6	r	relative beneficiary of life ins	Categ
07	R7LFINSRL	r7lfinsrl:w7	r	relative beneficiary of life ins	Categ
08	R8LFINSRL	r8lfinsrl:w8	r	relative beneficiary of life ins	Categ
09	R9LFINSRL	r9lfinsrl:w9	r	relative beneficiary of life ins	Categ
10	R10LFINSRL	r10lfinsrl:w10	r	relative beneficiary of life ins	Categ
11	R11LFINSRL	r11lfinsrl:w11	r	relative beneficiary of life ins	Categ
12	R12LFINSRL	r12lfinsrl:w12	r	relative beneficiary of life ins	Categ
13	R13LFINSRL	r13lfinsrl:w13	r	relative beneficiary of life ins	Categ
14	R14LFINSRL	r14lfinsrl:w14	r	relative beneficiary of life ins	Categ
15	R15LFINSRL	r15lfinsrl:w15	r	relative beneficiary of life ins	Categ
02	S2LFINSRL	s2lfinsrl:w2	s	relative beneficiary of life ins	Categ
03	S3LFINSRL	s3lfinsrl:w3	s	relative beneficiary of life ins	Categ
04	S4LFINSRL	s4lfinsrl:w4	s	relative beneficiary of life ins	Categ
05	S5LFINSRL	s5lfinsrl:w5	s	relative beneficiary of life ins	Categ
06	S6LFINSRL	s6lfinsrl:w6	s	relative beneficiary of life ins	Categ
07	S7LFINSRL	s7lfinsrl:w7	s	relative beneficiary of life ins	Categ
08	S8LFINSRL	s8lfinsrl:w8	s	relative beneficiary of life ins	Categ
09	S9LFINSRL	s9lfinsrl:w9	s	relative beneficiary of life ins	Categ
10	S10LFINSRL	s10lfinsrl:w10	s	relative beneficiary of life ins	Categ



11	S11LFINSRL	s11lfinsrl:w11	s	relative beneficiary of life ins	Categ
12	S12LFINSRL	s12lfinsrl:w12	s	relative beneficiary of life ins	Categ
13	S13LFINSRL	s13lfinsrl:w13	s	relative beneficiary of life ins	Categ
14	S14LFINSRL	s14lfinsrl:w14	s	relative beneficiary of life ins	Categ
15	S15LFINSRL	s15lfinsrl:w15	s	relative beneficiary of life ins	Categ
01	R1LFINSOR	r1lfinsor:w1	r	other beneficiary of life ins	Categ
03	R3LFINSOR	r3lfinsor:w3	r	other beneficiary of life ins	Categ
01	S1LFINSOR	s1lfinsor:w1	s	other beneficiary of life ins	Categ
03	S3LFINSOR	s3lfinsor:w3	s	other beneficiary of life ins	Categ
02	R2LFINSOT	r2lfinsot:w2	r	other non-relative beneficiary of life ins	Categ
03	R3LFINSOT	r3lfinsot:w3	r	other non-relative beneficiary of life ins	Categ
04	R4LFINSOT	r4lfinsot:w4	r	other non-relative beneficiary of life ins	Categ
05	R5LFINSOT	r5lfinsot:w5	r	other non-relative beneficiary of life ins	Categ
06	R6LFINSOT	r6lfinsot:w6	r	other non-relative beneficiary of life ins	Categ
07	R7LFINSOT	r7lfinsot:w7	r	other non-relative beneficiary of life ins	Categ
08	R8LFINSOT	r8lfinsot:w8	r	other non-relative beneficiary of life ins	Categ
09	R9LFINSOT	r9lfinsot:w9	r	other non-relative beneficiary of life ins	Categ
10	R10LFINSOT	r10lfinsot:w10	r	other non-relative beneficiary of life ins	Categ
11	R11LFINSOT	r11lfinsot:w11	r	other non-relative beneficiary of life ins	Categ
12	R12LFINSOT	r12lfinsot:w12	r	other non-relative beneficiary of life ins	Categ
13	R13LFINSOT	r13lfinsot:w13	r	other non-relative beneficiary of life ins	Categ
14	R14LFINSOT	r14lfinsot:w14	r	other non-relative beneficiary of life ins	Categ
15	R15LFINSOT	r15lfinsot:w15	r	other non-relative beneficiary of life ins	Categ
02	S2LFINSOT	s2lfinsot:w2	s	other non-relative beneficiary of life ins	Categ
03	S3LFINSOT	s3lfinsot:w3	s	other non-relative beneficiary of life ins	Categ
04	S4LFINSOT	s4lfinsot:w4	s	other non-relative beneficiary of life ins	Categ
05	S5LFINSOT	s5lfinsot:w5	s	other non-relative beneficiary of life ins	Categ
06	S6LFINSOT	s6lfinsot:w6	s	other non-relative beneficiary of life ins	Categ
07	S7LFINSOT	s7lfinsot:w7	s	other non-relative beneficiary of life ins	Categ
08	S8LFINSOT	s8lfinsot:w8	s	other non-relative beneficiary of life ins	Categ
09	S9LFINSOT	s9lfinsot:w9	s	other non-relative beneficiary of life ins	Categ
10	S10LFINSOT	s10lfinsot:w10	s	other non-relative beneficiary of life ins	Categ
11	S11LFINSOT	s11lfinsot:w11	s	other non-relative beneficiary of life ins	Categ
12	S12LFINSOT	s12lfinsot:w12	s	other non-relative beneficiary of life ins	Categ
13	S13LFINSOT	s13lfinsot:w13	s	other non-relative beneficiary of life ins	Categ
14	S14LFINSOT	s14lfinsot:w14	s	other non-relative beneficiary of life ins	Categ
15	S15LFINSOT	s15lfinsot:w15	s	other non-relative beneficiary of life ins	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LFINSSP	8483	0.79	0.40	0.00	1.00
R2LFINSSP	4416	0.58	0.49	0.00	1.00
R3LFINSSP	11746	0.69	0.46	0.00	1.00
R4LFINSSP	14432	0.67	0.47	0.00	1.00
R5LFINSSP	12757	0.66	0.47	0.00	1.00
R6LFINSSP	11651	0.63	0.48	0.00	1.00
R7LFINSSP	12835	0.64	0.48	0.00	1.00
R8LFINSSP	11532	0.62	0.49	0.00	1.00
R9LFINSSP	10473	0.61	0.49	0.00	1.00
R10LFINSSP	12315	0.60	0.49	0.00	1.00
R11LFINSSP	11384	0.59	0.49	0.00	1.00
R12LFINSSP	10207	0.57	0.50	0.00	1.00
R13LFINSSP	11027	0.56	0.50	0.00	1.00
R14LFINSSP	8964	0.55	0.50	0.00	1.00
R15LFINSSP	7849	0.53	0.50	0.00	1.00
S1LFINSSP	7026	0.93	0.25	0.00	1.00

S2LFINSSP	2680	0.92	0.27	0.00	1.00
S3LFINSSP	8437	0.93	0.26	0.00	1.00
S4LFINSSP	10185	0.91	0.28	0.00	1.00
S5LFINSSP	8936	0.92	0.28	0.00	1.00
S6LFINSSP	8063	0.90	0.31	0.00	1.00
S7LFINSSP	8937	0.89	0.31	0.00	1.00
S8LFINSSP	7868	0.89	0.31	0.00	1.00
S9LFINSSP	7008	0.88	0.32	0.00	1.00
S10LFINSSP	8186	0.86	0.35	0.00	1.00
S11LFINSSP	7472	0.86	0.35	0.00	1.00
S12LFINSSP	6456	0.85	0.36	0.00	1.00
S13LFINSSP	6738	0.84	0.36	0.00	1.00
S14LFINSSP	5282	0.84	0.36	0.00	1.00
S15LFINSSP	4531	0.83	0.38	0.00	1.00
R1LFINSCH	8481	0.22	0.41	0.00	1.00
R3LFINSCH	8037	0.30	0.46	0.00	1.00
R4LFINSCH	14432	0.35	0.48	0.00	1.00
R5LFINSCH	12757	0.34	0.47	0.00	1.00
R6LFINSCH	11651	0.37	0.48	0.00	1.00
R7LFINSCH	12835	0.38	0.49	0.00	1.00
R8LFINSCH	11532	0.39	0.49	0.00	1.00
R9LFINSCH	10473	0.41	0.49	0.00	1.00
R10LFINSCH	12315	0.47	0.50	0.00	1.00
R11LFINSCH	11384	0.52	0.50	0.00	1.00
R12LFINSCH	10207	0.55	0.50	0.00	1.00
R13LFINSCH	11027	0.57	0.50	0.00	1.00
R14LFINSCH	8964	0.57	0.50	0.00	1.00
R15LFINSCH	7849	0.59	0.49	0.00	1.00
S1LFINSCH	7024	0.13	0.33	0.00	1.00
S3LFINSCH	6341	0.19	0.40	0.00	1.00
S4LFINSCH	10185	0.20	0.40	0.00	1.00
S5LFINSCH	8936	0.17	0.37	0.00	1.00
S6LFINSCH	8063	0.18	0.39	0.00	1.00
S7LFINSCH	8937	0.22	0.41	0.00	1.00
S8LFINSCH	7868	0.21	0.41	0.00	1.00
S9LFINSCH	7008	0.23	0.42	0.00	1.00
S10LFINSCH	8186	0.33	0.47	0.00	1.00
S11LFINSCH	7472	0.39	0.49	0.00	1.00
S12LFINSCH	6456	0.43	0.49	0.00	1.00
S13LFINSCH	6738	0.45	0.50	0.00	1.00
S14LFINSCH	5282	0.46	0.50	0.00	1.00
S15LFINSCH	4531	0.48	0.50	0.00	1.00
R2LFINSCG	4416	0.35	0.48	0.00	1.00
R3LFINSCG	3709	0.39	0.49	0.00	1.00
S2LFINSCG	2680	0.10	0.30	0.00	1.00
S3LFINSCG	2096	0.11	0.31	0.00	1.00
R3LFINS GK	8037	0.00	0.00	0.00	0.00
R4LFINS GK	14432	0.00	0.00	0.00	0.00
R5LFINS GK	12757	0.00	0.00	0.00	0.00
R6LFINS GK	11651	0.00	0.00	0.00	0.00
R7LFINS GK	12835	0.01	0.08	0.00	1.00
R8LFINS GK	11532	0.01	0.09	0.00	1.00
R9LFINS GK	10473	0.01	0.10	0.00	1.00
R10LFINS GK	12315	0.01	0.11	0.00	1.00
R11LFINS GK	11384	0.02	0.12	0.00	1.00
R12LFINS GK	10207	0.01	0.12	0.00	1.00
R13LFINS GK	11027	0.01	0.12	0.00	1.00
R14LFINS GK	8964	0.02	0.13	0.00	1.00

R15LFINS GK	7849	0.02	0.12	0.00	1.00
S3LFINS GK	6341	0.00	0.00	0.00	0.00
S4LFINS GK	10185	0.00	0.00	0.00	0.00
S5LFINS GK	8936	0.00	0.00	0.00	0.00
S6LFINS GK	8063	0.00	0.00	0.00	0.00
S7LFINS GK	8937	0.00	0.06	0.00	1.00
S8LFINS GK	7868	0.00	0.06	0.00	1.00
S9LFINS GK	7008	0.00	0.07	0.00	1.00
S10LFINS GK	8186	0.01	0.08	0.00	1.00
S11LFINS GK	7472	0.01	0.10	0.00	1.00
S12LFINS GK	6456	0.01	0.09	0.00	1.00
S13LFINS GK	6738	0.01	0.09	0.00	1.00
S14LFINS GK	5282	0.01	0.11	0.00	1.00
S15LFINS GK	4531	0.01	0.09	0.00	1.00
R2LFINS RL	4416	0.06	0.24	0.00	1.00
R3LFINS RL	11746	0.02	0.14	0.00	1.00
R4LFINS RL	14432	0.00	0.01	0.00	1.00
R5LFINS RL	12757	0.00	0.00	0.00	0.00
R6LFINS RL	11651	0.00	0.00	0.00	0.00
R7LFINS RL	12835	0.02	0.15	0.00	1.00
R8LFINS RL	11532	0.01	0.12	0.00	1.00
R9LFINS RL	10473	0.02	0.16	0.00	1.00
R10LFINS RL	12315	0.03	0.17	0.00	1.00
R11LFINS RL	11384	0.03	0.18	0.00	1.00
R12LFINS RL	10207	0.04	0.19	0.00	1.00
R13LFINS RL	11027	0.04	0.20	0.00	1.00
R14LFINS RL	8964	0.04	0.21	0.00	1.00
R15LFINS RL	7849	0.00	0.00	0.00	0.00
S2LFINS RL	2680	0.00	0.06	0.00	1.00
S3LFINS RL	8437	0.00	0.03	0.00	1.00
S4LFINS RL	10185	0.00	0.01	0.00	1.00
S5LFINS RL	8936	0.00	0.00	0.00	0.00
S6LFINS RL	8063	0.00	0.00	0.00	0.00
S7LFINS RL	8937	0.00	0.07	0.00	1.00
S8LFINS RL	7868	0.00	0.04	0.00	1.00
S9LFINS RL	7008	0.00	0.07	0.00	1.00
S10LFINS RL	8186	0.01	0.09	0.00	1.00
S11LFINS RL	7472	0.01	0.11	0.00	1.00
S12LFINS RL	6456	0.02	0.12	0.00	1.00
S13LFINS RL	6738	0.01	0.12	0.00	1.00
S14LFINS RL	5282	0.02	0.13	0.00	1.00
S15LFINS RL	4531	0.00	0.00	0.00	0.00
R1LFINS OR	8481	0.07	0.25	0.00	1.00
R3LFINS OR	8037	0.07	0.26	0.00	1.00
S1LFINS OR	7024	0.03	0.17	0.00	1.00
S3LFINS OR	6341	0.03	0.17	0.00	1.00
R2LFINS OT	4416	0.03	0.17	0.00	1.00
R3LFINS OT	3709	0.03	0.18	0.00	1.00
R4LFINS OT	14432	0.08	0.27	0.00	1.00
R5LFINS OT	12757	0.08	0.27	0.00	1.00
R6LFINS OT	11651	0.08	0.27	0.00	1.00
R7LFINS OT	12835	0.07	0.25	0.00	1.00
R8LFINS OT	11532	0.07	0.25	0.00	1.00
R9LFINS OT	10473	0.06	0.23	0.00	1.00
R10LFINS OT	12315	0.07	0.26	0.00	1.00
R11LFINS OT	11384	0.07	0.26	0.00	1.00
R12LFINS OT	10207	0.08	0.27	0.00	1.00

R13LFINSOT	11027	0.09	0.29	0.00	1.00
R14LFINSOT	8964	0.08	0.28	0.00	1.00
R15LFINSOT	7849	0.13	0.34	0.00	1.00
S2LFINSOT	2680	0.01	0.12	0.00	1.00
S3LFINSOT	2096	0.01	0.11	0.00	1.00
S4LFINSOT	10185	0.02	0.15	0.00	1.00
S5LFINSOT	8936	0.03	0.16	0.00	1.00
S6LFINSOT	8063	0.03	0.16	0.00	1.00
S7LFINSOT	8937	0.03	0.16	0.00	1.00
S8LFINSOT	7868	0.03	0.16	0.00	1.00
S9LFINSOT	7008	0.02	0.15	0.00	1.00
S10LFINSOT	8186	0.03	0.18	0.00	1.00
S11LFINSOT	7472	0.04	0.18	0.00	1.00
S12LFINSOT	6456	0.04	0.20	0.00	1.00
S13LFINSOT	6738	0.05	0.21	0.00	1.00
S14LFINSOT	5282	0.04	0.19	0.00	1.00
S15LFINSOT	4531	0.07	0.25	0.00	1.00

### Categorical Variable Codes

Value-----	R1LFINSSP	R2LFINSSP	R3LFINSSP	R4LFINSSP	R5LFINSSP
.d:DK	5	82	141	238	219
.m:Missing	182	91	103	72	49
.n:no life insurance	3910	3590	5924	6496	6418
.q:not available this wave		11595			
.r:Refuse	72	43	77	146	135
0.no	1749	1842	3678	4751	4341
1.yes	6734	2574	8068	9681	8416

Value-----	R6LFINSSP	R7LFINSSP	R8LFINSSP	R9LFINSSP	R10LFINSSP
.d:DK	245	259	237	232	288
.m:Missing	20	52	22	23	279
.n:no life insurance	6066	6792	6490	6343	8843
.r:Refuse	183	191	188	146	309
0.no	4309	4652	4369	4118	4972
1.yes	7342	8183	7163	6355	7343

Value-----	R11LFINSSP	R12LFINSSP	R13LFINSSP	R14LFINSSP	R15LFINSSP
.d:DK	236	212	215	175	184
.m:Missing	60	63	138	160	200
.n:no life insurance	8591	8004	9237	7610	7271
.r:Refuse	283	261	295	237	219
0.no	4705	4436	4876	4036	3671
1.yes	6679	5771	6151	4928	4178

Value-----	S1LFINSSP	S2LFINSSP	S3LFINSSP	S4LFINSSP	S5LFINSSP
.d:DK	4	22	70	90	99
.m:Missing	68	30	43	16	10
.n:no life insurance	2762	1600	3326	3618	3602
.q:not available this wave		8738			
.r:Refuse	40	18	40	69	83
.u:not coupled	2373	5976	5659	6870	6537
.v:SP NR	379	578	416	536	311
0.no	478	216	626	901	744
1.yes	6548	2464	7811	9284	8192

Value-----	S6LFINSSP	S7LFINSSP	S8LFINSSP	S9LFINSSP	S10LFINSSP
.d:DK	104	118	104	91	129
.m:Missing	7	22	5	5	150
.n:no life insurance	3358	3783	3655	3461	4887
.r:Refuse	100	108	96	75	156
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	843	940	868	830	1147
1.yes	7220	7997	7000	6178	7039

Value-----	S11LFINSSP	S12LFINSSP	S13LFINSSP	S14LFINSSP	S15LFINSSP
.d:DK	107	87	76	78	92
.m:Missing	14	18	39	54	46

.n:no life insurance	4737	4325	4788	3847	3697
.r:Refuse	146	126	137	97	100
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	1057	966	1061	832	782
1.yes	6415	5490	5677	4450	3749

Value-----	R1LFINSCH		R3LFINSCH	R4LFINSCH	R5LFINSCH
.d:DK	5		55	238	219
.m:Missing	182		76	72	49
.n:no life insurance	3912		2737	6496	6418
.q:not available this wave			7027		
.r:Refuse	72		59	146	135
0.no	6611		5617	9313	8380
1.yes	1870		2420	5119	4377

Value-----	R6LFINSCH	R7LFINSCH	R8LFINSCH	R9LFINSCH	R10LFINSCH
.d:DK	245	259	237	232	288
.m:Missing	20	52	22	23	279
.n:no life insurance	6066	6792	6490	6343	8843
.r:Refuse	183	191	188	146	309
0.no	7360	7956	6987	6179	6468
1.yes	4291	4879	4545	4294	5847

Value-----	R11LFINSCH	R12LFINSCH	R13LFINSCH	R14LFINSCH	R15LFINSCH
.d:DK	236	212	215	175	184
.m:Missing	60	63	138	160	200
.n:no life insurance	8591	8004	9237	7610	7271
.r:Refuse	283	261	295	237	219
0.no	5514	4545	4785	3887	3184
1.yes	5870	5662	6242	5077	4665

Value-----	S1LFINSCH		S3LFINSCH	S4LFINSCH	S5LFINSCH
.d:DK	4		38	90	99
.m:Missing	68		34	16	10
.n:no life insurance	2764		1859	3618	3602
.q:not available this wave			3610		
.r:Refuse	40		34	69	83
.u:not coupled	2373		5659	6870	6537
.v:SP NR	379		416	536	311
0.no	6122		5114	8153	7442
1.yes	902		1227	2032	1494

Value-----	S6LFINSCH	S7LFINSCH	S8LFINSCH	S9LFINSCH	S10LFINSCH
.d:DK	104	118	104	91	129
.m:Missing	7	22	5	5	150
.n:no life insurance	3358	3783	3655	3461	4887
.r:Refuse	100	108	96	75	156
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	6583	7003	6177	5419	5468
1.yes	1480	1934	1691	1589	2718

Value-----	S11LFINSCH	S12LFINSCH	S13LFINSCH	S14LFINSCH	S15LFINSCH
.d:DK	107	87	76	78	92
.m:Missing	14	18	39	54	46
.n:no life insurance	4737	4325	4788	3847	3697
.r:Refuse	146	126	137	97	100
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	4567	3693	3690	2875	2350
1.yes	2905	2763	3048	2407	2181

Value-----		R2LFINSCG	R3LFINSCG		
.d:DK		82	86		
.m:Missing		91	27		
.n:no life insurance		3590	3187		
.q:not available this wave		11595	10964		
.r:Refuse		43	18		
0.no		2857	2275		
1.yes		1559	1434		

Value-----		S2LFINSCG	S3LFINSCG		
.d:DK		22	32		
.m:Missing		30	9		
.n:no life insurance		1600	1467		

.q:not available this wave		8738		8306	
.r:Refuse		18		6	
.u:not coupled		5976		5659	
.v:SP NR		578		416	
0.no		2406		1874	
1.yes		274		222	
Value-----			R3LFINS GK	R4LFINS GK	R5LFINS GK
.d:DK			55	238	219
.m:Missing			76	72	49
.n:no life insurance			2737	6496	6418
.q:not available this wave			7027		
.r:Refuse			59	146	135
0.no			8037	14432	12757
Value-----	R6LFINS GK	R7LFINS GK	R8LFINS GK	R9LFINS GK	R10LFINS GK
.d:DK	245	259	237	232	288
.m:Missing	20	52	22	23	279
.n:no life insurance	6066	6792	6490	6343	8843
.r:Refuse	183	191	188	146	309
0.no	11651	12742	11446	10376	12168
1.yes		93	86	97	147
Value-----	R11LFINS GK	R12LFINS GK	R13LFINS GK	R14LFINS GK	R15LFINS GK
.d:DK	236	212	215	175	184
.m:Missing	60	63	138	160	200
.n:no life insurance	8591	8004	9237	7610	7271
.r:Refuse	283	261	295	237	219
0.no	11205	10057	10868	8813	7731
1.yes	179	150	159	151	118
Value-----			S3LFINS GK	S4LFINS GK	S5LFINS GK
.d:DK			38	90	99
.m:Missing			34	16	10
.n:no life insurance			1859	3618	3602
.q:not available this wave			3610		
.r:Refuse			34	69	83
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			6341	10185	8936
Value-----	S6LFINS GK	S7LFINS GK	S8LFINS GK	S9LFINS GK	S10LFINS GK
.d:DK	104	118	104	91	129
.m:Missing	7	22	5	5	150
.n:no life insurance	3358	3783	3655	3461	4887
.r:Refuse	100	108	96	75	156
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	8063	8902	7837	6975	8133
1.yes		35	31	33	53
Value-----	S11LFINS GK	S12LFINS GK	S13LFINS GK	S14LFINS GK	S15LFINS GK
.d:DK	107	87	76	78	92
.m:Missing	14	18	39	54	46
.n:no life insurance	4737	4325	4788	3847	3697
.r:Refuse	146	126	137	97	100
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	7400	6399	6683	5223	4497
1.yes	72	57	55	59	34
Value-----		R2LFINS RL	R3LFINS RL	R4LFINS RL	R5LFINS RL
.d:DK		82	141	238	219
.m:Missing		91	103	72	49
.n:no life insurance		3590	5924	6496	6418
.q:not available this wave		11595			
.r:Refuse		43	77	146	135
0.no		4138	11494	14431	12757
1.yes		278	252	1	
Value-----	R6LFINS RL	R7LFINS RL	R8LFINS RL	R9LFINS RL	R10LFINS RL
.d:DK	245	259	237	232	288
.m:Missing	20	52	22	23	279
.n:no life insurance	6066	6792	6490	6343	8843
.r:Refuse	183	191	188	146	309
0.no	11651	12541	11377	10214	11926

1.yes		294	155	259	389
Value-----	R11LFINSRL	R12LFINSRL	R13LFINSRL	R14LFINSRL	R15LFINSRL
.d:DK	236	212	215	175	184
.m:Missing	60	63	138	160	200
.n:no life insurance	8591	8004	9237	7610	7271
.r:Refuse	283	261	295	237	219
0.no	10988	9827	10568	8566	7849
1.yes	396	380	459	398	
Value-----		S2LFINSRL	S3LFINSRL	S4LFINSRL	S5LFINSRL
.d:DK		22	70	90	99
.m:Missing		30	43	16	10
.n:no life insurance		1600	3326	3618	3602
.q:not available this wave		8738			
.r:Refuse		18	40	69	83
.u:not coupled		5976	5659	6870	6537
.v:SP NR		578	416	536	311
0.no		2670	8427	10184	8936
1.yes		10	10	1	
Value-----	S6LFINSRL	S7LFINSRL	S8LFINSRL	S9LFINSRL	S10LFINSRL
.d:DK	104	118	104	91	129
.m:Missing	7	22	5	5	150
.n:no life insurance	3358	3783	3655	3461	4887
.r:Refuse	100	108	96	75	156
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	8063	8897	7853	6974	8121
1.yes		40	15	34	65
Value-----	S11LFINSRL	S12LFINSRL	S13LFINSRL	S14LFINSRL	S15LFINSRL
.d:DK	107	87	76	78	92
.m:Missing	14	18	39	54	46
.n:no life insurance	4737	4325	4788	3847	3697
.r:Refuse	146	126	137	97	100
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	7377	6357	6643	5191	4531
1.yes	95	99	95	91	
Value-----	R1LFINSOR		R3LFINSOR		
.d:DK	5		55		
.m:Missing	182		76		
.n:no life insurance	3912		2737		
.q:not available this wave			7027		
.r:Refuse	72		59		
0.no	7894		7456		
1.yes	587		581		
Value-----	S1LFINSOR		S3LFINSOR		
.d:DK	4		38		
.m:Missing	68		34		
.n:no life insurance	2764		1859		
.q:not available this wave			3610		
.r:Refuse	40		34		
.u:not coupled	2373		5659		
.v:SP NR	379		416		
0.no	6802		6163		
1.yes	222		178		
Value-----		R2LFINSOT	R3LFINSOT	R4LFINSOT	R5LFINSOT
.d:DK		82	86	238	219
.m:Missing		91	27	72	49
.n:no life insurance		3590	3187	6496	6418
.q:not available this wave		11595	10964		
.r:Refuse		43	18	146	135
0.no		4286	3591	13298	11732
1.yes		130	118	1134	1025
Value-----	R6LFINSOT	R7LFINSOT	R8LFINSOT	R9LFINSOT	R10LFINSOT
.d:DK	245	259	237	232	288
.m:Missing	20	52	22	23	279
.n:no life insurance	6066	6792	6490	6343	8843
.r:Refuse	183	191	188	146	309
0.no	10724	12000	10726	9866	11423

1.yes	927	835	806	607	892
Value-----	R11LFINSOT	R12LFINSOT	R13LFINSOT	R14LFINSOT	R15LFINSOT
.d:DK	236	212	215	175	184
.m:Missing	60	63	138	160	200
.n:no life insurance	8591	8004	9237	7610	7271
.r:Refuse	283	261	295	237	219
0.no	10532	9381	10019	8221	6811
1.yes	852	826	1008	743	1038
Value-----	S2LFINSOT	S3LFINSOT	S4LFINSOT	S5LFINSOT	
.d:DK	22	32	90	99	
.m:Missing	30	9	16	10	
.n:no life insurance	1600	1467	3618	3602	
.q:not available this wave	8738	8306			
.r:Refuse	18	6	69	83	
.u:not coupled	5976	5659	6870	6537	
.v:SP NR	578	416	536	311	
0.no	2640	2069	9950	8699	
1.yes	40	27	235	237	
Value-----	S6LFINSOT	S7LFINSOT	S8LFINSOT	S9LFINSOT	S10LFINSOT
.d:DK	104	118	104	91	129
.m:Missing	7	22	5	5	150
.n:no life insurance	3358	3783	3655	3461	4887
.r:Refuse	100	108	96	75	156
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	7843	8704	7652	6850	7909
1.yes	220	233	216	158	277
Value-----	S11LFINSOT	S12LFINSOT	S13LFINSOT	S14LFINSOT	S15LFINSOT
.d:DK	107	87	76	78	92
.m:Missing	14	18	39	54	46
.n:no life insurance	4737	4325	4788	3847	3697
.r:Refuse	146	126	137	97	100
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	7209	6198	6419	5080	4216
1.yes	263	258	319	202	315

## How Constructed:

RwLFINSSP, RwLFINSCH, RwLFINSCG, RwLFINSKG, RwLFINSRL, RwLFINSOR, and RwLFINSOT indicate whether someone with the specified relationship is named a beneficiary of the respondent's life insurance, including term and whole life policies. RwLFINSOR is only available in Wave 1 and for the HRS cohort in Wave 3, and RwLFINSCG is only available in the AHEAD cohorts in Waves 2 and 3. The respondent is able to select multiple relationships at each wave. RwLFINSSP indicates whether the respondent's spouse/partner is named as a beneficiary of their life insurance. RwLFINSCH indicates whether the respondent's child, all children, step/partner child, child-in-law, son, stepson, son-in-law, daughter, stepdaughter, daughter-in-law, unlisted child or child-in-law, unknown/ambiguous child, ambiguous child-in-law relationship, former step-child, former child-in-law, or deceased child are named as a beneficiary of their life insurance. RwLFINSCG indicates whether the respondent's child/child-in-law/grandchild (which cannot be distinguished from each other) are named as a beneficiary of their life insurance. RwLFINSKG indicates whether the respondent's grandchild, all grandchildren, or spouse/partner of grandchild are named as a beneficiary of their life insurance. RwLFINSRL indicates whether other relatives, sibling, sibling of spouse, parent, parent-in-law, father, father-in-law, mother, mother-in-law, brother, brother-in-law, sister, sister-in-law, or unknown in-law are named as a beneficiary of their life insurance. RwLFINSOR indicates whether a relative besides a child or grandchild or someone else non-related to the respondent is named as a beneficiary of their life insurance. RwLFINSOT indicates whether someone else, other non-relatives, other, professional, other individual, organization, employee of institution, paid helper, professional, specified professional, late spouse/partner, ex-spouse/partner, or person of unknown relationship are named as a beneficiary of their life insurance. RwLFINSSP, RwLFINSCH, RwLFINSCG, RwLFINSKG, RwLFINSRL, RwLFINSOR, and RwLFINSOT are coded as 0 if the appropriate relationship is not mentioned as a beneficiary of their life insurance, and coded as 1 if the appropriate relationship is mentioned as being a beneficiary of their life insurance. In HRS Wave 1 and the AHEAD cohorts in Waves 2 and 3, the variables indicate whether a person of the specified relationship is a beneficiary of a term or whole life policy, which are asked about separately. In the HRS cohort in Wave 3 and onward, the variables indicate whether a person of the specified relationship is a beneficiary of any life insurance policy.



In HRS Wave 1, the respondent can select from spouse, children, and others, as such, RwLFINSSP, RwLFINSCH, and RwLFINSOR are used this wave and RwLFINSKGK, RwLFINSRL, RwLFINSOT, and RwLFINSCG are not available in this wave. In this wave, RwLFINSOR includes other relatives or non-relatives.

In the AHEAD cohort in Wave 2, the respondent can select from spouse/partner, child/child-in-law/grandchild, other relative, and someone else, as such, RwLFINSSP, RwLFINSCG, RwLFINSRL, and RwLFINSOT are used this wave and RwLFINSCH, RwLFINSKGK, and RwLFINSOR are not available in this wave. In this wave, RwLFINSOT only includes other non-relatives. Because the HRS cohort in Wave 2 does not ask about beneficiaries, respondents in Wave 2 are assigned special missing .q for RwLFINSSP, RwLFINSCG, RwLFINSRL, and RwLFINSOT.

In the AHEAD cohort in Wave 3, the respondent can select from spouse/partner, child/child-in-law/grandchild, other relative, someone else, and other, as such RwLFINSSP, RwLFINSCG, RwLFINSRL, and RwLFINSOT are used this wave and RwLFINSCH, RwLFINSKGK, and RwLFINSOR are not available in this wave. In the HRS cohort in Wave 3, the respondent can select from spouse/partner, all children, grandchild, other, or name a person assigned an other person number (OPN) from the Preload Household Member Child (PRMC) file, as such, RwLFINSSP, RwLFINSCH, RwLFINSKGK, RwLFINSRL, and RwLFINSOR are used and RwLFINSCG and RwLFINSOT are not available. Because of the different categorizations between these two waves, RwLFINSCH, RwLFINSKGK, and RwLFINSOT are assigned special missing .q in Wave 3 if the respondent is in the HRS cohort in Wave 3, and RwLFINSCG and RwLFINSOR are assigned special missing .q in Wave 3 if the respondent is in the AHEAD cohort in Wave 3. Please note the use of RwLFINSOT for the AHEAD questionnaire in Wave 3 which includes only non-relatives, whereas RwLFINSOR is used for the HRS questionnaire in Wave 3 which can include relative or non-relatives.

Starting in Wave 4, the respondent can select from a list or choose any person with an OPN from the PRMC file. In these waves, RwLFINSSP, RwLFINSCH, RwLFINSKGK, RwLFINSRL, and RwLFINSOT are available, and RwLFINSCG and RwLFINSOR are no longer available. In these waves, RwLFINSOT includes other non-relatives.

In all waves, RwLFINSSP, RwLFINSCH, RwLFINSKGK, RwLFINSRL, RwLFINSOR, RwLFINSOT, and RwLFINSCG are assigned special missing .n if the respondent has no life insurance policies. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwLFINSSP, SwLFINSCH, SwLFINSCG, SwLFINSKGK, SwLFINSRL, SwLFINSOR, and SwLFINSOT indicate whether someone with the specified relationship is named a beneficiary of the respondent's spouse's life insurance, including term and whole life policies, and their values are taken from RwLFINSSP, RwLFINSCH, RwLFINSCG, RwLFINSKGK, RwLFINSRL, RwLFINSOR, and RwLFINSOT. In addition to the special missing codes used in the respondent variables, the spouse variables employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In Wave 1 and the AHEAD cohorts in Waves 2 and 3, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked whether any are group or individual term insurance policies, and if so, the beneficiaries of the term insurance policies. If they report having life insurance policies, they are then asked whether they have any life insurance policies that build up a cash value or that you can borrow on, which are sometimes called "whole life" or "straight life", and if so, the beneficiaries of the whole life insurance policies. In Wave 1, the respondent can select all that apply from a list that includes the respondent's spouse, children, and others for term and whole life policies. In the AHEAD cohort in Wave 2, the respondent can select all that apply from a list that includes the respondent's spouse/partner, child/child-in-law/grandchild, other relative, and someone else for term and whole life policies. In the AHEAD cohort in Wave 3, the respondent can select all that apply from a list that includes the respondent's spouse/partner, child/child-in-law/grandchild, other relative, someone else, and other for term and whole life policies.

In the HRS cohort in Wave 2, the respondent is first asked whether they have any life insurance policies, and separately about having term insurance policies and whole life insurance policies. However, the respondent is not asked who the beneficiary of these policies would be.

In the HRS cohort in Wave 3 and in Wave 4, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked for the beneficiaries of the life insurance policies. In the HRS cohort in Wave 3, the respondent can select all that apply from a list that includes the respondent's spouse/partner, all children, grandchild, other, or name any person that was assigned an other person number (OPN) in the Preload Household Member Child (PRMC) file. In Wave 4, the respondent can select all that apply from a list that includes the respondent's spouse/partner, all children, other (including churches, charitable organizations, ex-spouses and other persons), or name any person that was assigned an OPN in the PRMC file. In both waves, the respondent is not asked about term versus whole life policies.

Starting in Wave 5, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked for the beneficiaries of the life insurance policies. If they report having life insurance policies, they are then asked if any of the policies are ones that build up a cash value that you can borrow against, or that you would receive if the policy were to be cancelled, which are sometimes called "whole life" or "straight life policies", and if so, the beneficiaries of the whole life insurance policies. In Waves 5 and 6, the respondent can select all that apply from the same selections as in Wave 4. In Wave 7, the respondent can select all that apply from a list that includes the respondent's spouse/partner, deceased child, all children, all grandchildren, siblings, other person (i.e. friend), other (including churches, charitable organizations, ex-spouses and other persons), or name any person that was assigned an OPN in the PRMC file. Starting in Wave 8, the respondent can select all that apply from the same selections as in Wave 7, without the choice of other person (i.e. friend). In Wave 5 and onward, the respondent is not asked specifically about term policies.

In Waves 3 to 5, the possible relationships in the PRMC file include: child, step/partner child, grandkid, professional, child-in-law, sibling, sibling of spouse, parent or parent-in-law, other relative, other. Starting in Wave 6, the possible relationships in the PRMC file include: spouse/partner, son, stepson, spouse/partner of daughter, daughter, stepdaughter, spouse/partner of son, grandchild, father, father of spouse/partner, mother, mother of spouse/partner, R's parents, brother, brother of spouse/partner, sister, sister of spouse/partner, other relative, other individual, organization, employee of 'institution', paid helper, professional, professional (specify), late spouse/partner, ex-spouse/partner, unlisted child or child-in-law, former step-child, former child-in-law, relationship unknown, spouse/partner of grandchild, unknown child, unknown-in-law. In Wave 8, spouse was no longer present, unknown child was replaced with ambiguous child relationship, unknown-in-law was replaced with ambiguous child-in-law relationship, and spouse/partner relationships were replaced as relationship "in-law" (i.e. spouse/partner of daughter was replaced with son-in-law). Starting in Wave 9, both spouse/partner relationships and relationships "in-law" were specified (i.e. spouse/partner of daughter (son-in-law)). Spouse was not an option in any wave after Wave 8 except for Wave 10 when it was an option.

### HRS Variables Used:

#### Wave 1:

V6701	r16:rlhave life insuranc
V6702	r17:rlterm ins policies
V6708	r17ea:rltrm in:benf:sp
V6709	r17eb:rltrm in:benf:kids
V6710	r17ec:rltrm in:benf:othr
V6711	r18:rlbuild*cash val*pol
V6719	r18ea:r1*cv1:benfc:spous
V6720	r18eb:r1*cv1:benfc:child
V6721	r18ec:r1*cv1:benfc:other
V6723	r18ea:r1*cv2:benfc:spous
V6724	r18eb:r1*cv2:benfc:child
V6725	r18ec:r1*cv2:benfc:other

#### Wave 2 AHEAD:

B1884	r11. r life insurance: any
B1885	r12. r term life ins: any
B1890A1	r13. r term life ins: beneficiary-1
B1890A2	r13. r term life ins: beneficiary-2
B1893	r15. r whole life ins: any
B1898A1	r16. r whole life ins: beneficiary-1
B1898A2	r16. r whole life ins: beneficiary-2

#### Wave 3 AHEAD:

D5279 r16.r life ins  
 D5280 r16a.r term ins  
 D5293M1 r16f. r term benefic  
 D5293M2 r16f. r term benefic  
 D5297 r18.r whole life ins  
 D5307M1 r19.r ins benefic  
 D5307M2 r19.r ins benefic  
 DN\_INHH dn\_inhh: # r's responding in hhold  
 Wave 3 HRS:  
 E5284 r94.have any life insurance  
 E5292M1 r98.who beneficiary  
 E5292M2 r98.who beneficiary  
 E5292M3 r98.who beneficiary  
 E5292M4 r98.who beneficiary  
 E5292M5 r98.who beneficiary  
 E5292M6 r98.who beneficiary  
 EN\_INHH hrs w3: # r's responding in hhold  
 Wave 3 HRS PR\_MC:  
 E10 hhmem rel to family r  
 E11 hhmem rel to nonfam r  
 EPN\_FAM 1996 family resp person number  
 EPN\_NFAM 1996 non-family resp person number  
 OPN other person number  
 Wave 4:  
 F6015 r94.have any life insurance  
 F6025M1 r98.who beneficiary  
 F6025M2 r98.who beneficiary  
 F6025M3 r98.who beneficiary  
 F6025M4 r98.who beneficiary  
 F6025M5 r98.who beneficiary  
 F6025M6 r98.who beneficiary  
 F6025M7 r98.who beneficiary  
 Wave 4 PR\_MC:  
 F11A hhmem rel to idfm - updated - corrected  
 F12 hhmem rel to idnfm - updated  
 FPN\_FAM 1998 family resp person number  
 FPN\_NFAM 1998 non-family resp person number  
 OPN other person number  
 Wave 5:  
 G6409 r94.have any life insurance  
 G6428M1 r98.who beneficiary  
 G6428M2 r98.who beneficiary  
 G6428M3 r98.who beneficiary  
 G6428M4 r98.who beneficiary  
 G6428M5 r98.who beneficiary  
 G6428M6 r98.who beneficiary  
 G6428M7 r98.who beneficiary  
 G6428M8 r98.who beneficiary  
 G6428M9 r98.who beneficiary  
 Wave 5 PR\_MC:  
 G11 hhmem rel to idfm - updated  
 G12 hhmem rel to idnfm - updated  
 GPN\_FAM 2000 family resp person number  
 GPN\_NFAM 2000 non-family resp person number  
 OPN other person number  
 Wave 6:  
 HT011 r have any life insurance  
 HT017M1 who are benefficiaries -m1  
 HT017M2 who are benefficiaries -m2  
 HT017M3 who are benefficiaries -m3  
 HT017M4 who are benefficiaries -m4  
 HT017M5 who are benefficiaries -m5  
 HT017M6 who are benefficiaries -m6

HT017M7            who are benefeciaries -m7  
HT017M8            who are benefeciaries -m8

Wave 6 PR\_MC:  
  HPN\_FAM            2002 family resp person number  
  HPN\_NFAM          2002 non-family resp person number  
  HX061\_MC          relationship to r-updated  
  HX063\_MC          relationship hhm to sp - updated  
  OPN                pn of kid/hhm/sib and their spouses

Wave 7:  
  JT011             r have any life insurance  
  JT017M1           who are benefeciaries -m1  
  JT017M2           who are benefeciaries -m2  
  JT017M3           who are benefeciaries -m3  
  JT017M4           who are benefeciaries -m4  
  JT017M5           who are benefeciaries -m5  
  JT017M6           who are benefeciaries -m6  
  JT017M7           who are benefeciaries -m7  
  JT017M8           who are benefeciaries -m8  
  JT017M9           who are benefeciaries -m9

Wave 7 PR\_MC:  
  JPN\_FAM            2004 family resp person number  
  JPN\_NFAM          2004 non-family resp person number  
  JX061\_MC          relationship to r-updated  
  JX063\_MC          relationship hhm to sp - updated  
  OPN                pn of kid/hhm/sib and their spouses

Wave 8:  
  KT011             r have any life insurance  
  KT017M1           who are benefeciaries -m1  
  KT017M2           who are benefeciaries -m2  
  KT017M3           who are benefeciaries -m3  
  KT017M4           who are benefeciaries -m4  
  KT017M5           who are benefeciaries -m5  
  KT017M6           who are benefeciaries -m6  
  KT017M7           who are benefeciaries -m7  
  KT017M8           who are benefeciaries -m8

Wave 8 PR\_MC:  
  KPN\_FAM            2006 family resp person number  
  KPN\_NFAM          2006 non-family resp person number  
  KX061\_MC          relationship to r-updated  
  KX063\_MC          relationship hhm to sp - updated  
  OPN                pn of kid/hhm/sib and their spouses

Wave 9:  
  LT011             r have any life insurance  
  LT017M1           who are benefeciaries -m1  
  LT017M2           who are benefeciaries -m2  
  LT017M3           who are benefeciaries -m3  
  LT017M4           who are benefeciaries -m4  
  LT017M5           who are benefeciaries -m5  
  LT017M6           who are benefeciaries -m6  
  LT017M7           who are benefeciaries -m7  
  LT017M8           who are benefeciaries -m8

Wave 9 PR\_MC:  
  LPN\_FAM            2008 family resp person number  
  LPN\_NFAM          2008 non-family resp person number  
  LX061\_MC          relationship to r-updated  
  LX063\_MC          relationship hhm to sp - updated  
  OPN                pn of kid/hhm/sib and their spouses

Wave 10:  
  MT011             r have any life insurance  
  MT017M1           who are benefeciaries -1  
  MT017M10          who are benefeciaries -10  
  MT017M2           who are benefeciaries -2  
  MT017M3           who are benefeciaries -3

MT017M4 who are benefeciaries -4  
MT017M5 who are benefeciaries -5  
MT017M6 who are benefeciaries -6  
MT017M7 who are benefeciaries -7  
MT017M8 who are benefeciaries -8  
MT017M9 who are benefeciaries -9

Wave 10 PR\_MC:  
MPN\_FAM 2010 family resp person number  
MPN\_NFAM 2010 non-family resp person number  
MX061\_MC relationship to r-updated  
MX063\_MC relationship hhm to sp - updated  
OPN pn of kid/hhm/sib and their spouses

Wave 11:  
NT011 r have any life insurance  
NT017M1 who are benefeciaries -1  
NT017M2 who are benefeciaries -2  
NT017M3 who are benefeciaries -3  
NT017M4 who are benefeciaries -4  
NT017M5 who are benefeciaries -5  
NT017M6 who are benefeciaries -6  
NT017M7 who are benefeciaries -7  
NT017M8 who are benefeciaries -8  
NT017M9 who are benefeciaries -9

Wave 11 PR\_MC:  
NPN\_FAM 2012 family resp person number  
NPN\_NFAM 2012 non-family resp person number  
NX061\_MC relationship to r-updated  
NX063\_MC relationship hhm to sp - updated  
OPN pn of kid/hhm/sib and their spouses

Wave 12:  
OT011 r have any life insurance  
OT017M1 who are benefeciaries -1  
OT017M2 who are benefeciaries -2  
OT017M3 who are benefeciaries -3  
OT017M4 who are benefeciaries -4  
OT017M5 who are benefeciaries -5  
OT017M6 who are benefeciaries -6  
OT017M7 who are benefeciaries -7  
OT017M8 who are benefeciaries -8  
OT017M9 who are benefeciaries -9

Wave 12 PR\_MC:  
OPN pn of kid/hhm/sib and their spouses  
OPN\_FAM 2014 family resp person number  
OPN\_NFAM 2014 non-family resp person number  
OX061\_MC relationship to r-updated  
OX063\_MC relationship hhm to sp - updated

Wave 13:  
PT011 r have any life insurance  
PT017M1 who are benefeciaries -1  
PT017M10 who are benefeciaries -10  
PT017M2 who are benefeciaries -2  
PT017M3 who are benefeciaries -3  
PT017M4 who are benefeciaries -4  
PT017M5 who are benefeciaries -5  
PT017M6 who are benefeciaries -6  
PT017M7 who are benefeciaries -7  
PT017M8 who are benefeciaries -8  
PT017M9 who are benefeciaries -9

Wave 13 PR\_MC:  
OPN pn of kid/hhm/sib and their spouses  
PPN\_FAM 2016 family resp person number  
PPN\_NFAM 2016 non-family resp person number  
PX061\_MC relationship to r-updated

```
PX063_MC      relationship hhm to sp - updated
Wave 14:
QT011         r have any life insurance
QT017M1       who are benefeciaries -1
QT017M2       who are benefeciaries -2
QT017M3       who are benefeciaries -3
QT017M4       who are benefeciaries -4
QT017M5       who are benefeciaries -5
QT017M6       who are benefeciaries -6
QT017M7       who are benefeciaries -7
QT017M8       who are benefeciaries -8
QT017M9       who are benefeciaries -9
Wave 14 PR_MC:
OPN           PN OF KID/HHM/SIB AND THEIR SPOUSES
QPN_FAM       2018 FAMILY RESP PERSON NUMBER
QPN_NFAM      2018 NON-FAMILY RESP PERSON NUMBER
QX061_MC     RELATIONSHIP TO R-UPDATED
QX063_MC     RELATIONSHIP HHM TO SP - UPDATED
Wave 15:
RT011         r have any life insurance
RT017M1       who are benefeciaries -1
RT017M2       who are benefeciaries -2
RT017M3       who are benefeciaries -3
RT017M4       who are benefeciaries -4
RT017M5       who are benefeciaries -5
RT017M6       who are benefeciaries -6
RT017M7       who are benefeciaries -7
RT017M8       who are benefeciaries -8
RT017M9       who are benefeciaries -9
Wave 15 PR_MC:
OPN           PN OF KID/HHM/SIB AND THEIR SPOUSES
RPN_FAM       2020 FAMILY RESP PERSON NUMBER
RPN_NFAM      2020 NON-FAMILY RESP PERSON NUMBER
RX061_MC     RELATIONSHIP TO R-UPDATED
RX063_MC     RELATIONSHIP HHM TO SP - UPDATED
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<b>Life Insurance: Whole Life Policies</b>
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Wave	Variable	Label	Type
01	R1WLIFEIN	r1wlifein:w1 r has whole life insurance	Categ
02	R2WLIFEIN	r2wlifein:w2 r has whole life insurance	Categ
03	R3WLIFEIN	r3wlifein:w3 r has whole life insurance	Categ
05	R5WLIFEIN	r5wlifein:w5 r has whole life insurance	Categ
06	R6WLIFEIN	r6wlifein:w6 r has whole life insurance	Categ
07	R7WLIFEIN	r7wlifein:w7 r has whole life insurance	Categ
08	R8WLIFEIN	r8wlifein:w8 r has whole life insurance	Categ
09	R9WLIFEIN	r9wlifein:w9 r has whole life insurance	Categ
10	R10WLIFEIN	r10wlifein:w10 r has whole life insurance	Categ
11	R11WLIFEIN	r11wlifein:w11 r has whole life insurance	Categ
12	R12WLIFEIN	r12wlifein:w12 r has whole life insurance	Categ
13	R13WLIFEIN	r13wlifein:w13 r has whole life insurance	Categ
14	R14WLIFEIN	r14wlifein:w14 r has whole life insurance	Categ
15	R15WLIFEIN	r15wlifein:w15 r has whole life insurance	Categ
01	S1WLIFEIN	s1wlifein:w1 s has whole life insurance	Categ
02	S2WLIFEIN	s2wlifein:w2 s has whole life insurance	Categ
03	S3WLIFEIN	s3wlifein:w3 s has whole life insurance	Categ
05	S5WLIFEIN	s5wlifein:w5 s has whole life insurance	Categ
06	S6WLIFEIN	s6wlifein:w6 s has whole life insurance	Categ
07	S7WLIFEIN	s7wlifein:w7 s has whole life insurance	Categ
08	S8WLIFEIN	s8wlifein:w8 s has whole life insurance	Categ
09	S9WLIFEIN	s9wlifein:w9 s has whole life insurance	Categ
10	S10WLIFEIN	s10wlifein:w10 s has whole life insurance	Categ
11	S11WLIFEIN	s11wlifein:w11 s has whole life insurance	Categ
12	S12WLIFEIN	s12wlifein:w12 s has whole life insurance	Categ
13	S13WLIFEIN	s13wlifein:w13 s has whole life insurance	Categ
14	S14WLIFEIN	s14wlifein:w14 s has whole life insurance	Categ
15	S15WLIFEIN	s15wlifein:w15 s has whole life insurance	Categ
01	R1NWLFIN	r1nwlfin:w1 r number whole life insurance policies	Categ
02	R2NWLFIN	r2nwlfin:w2 r number whole life insurance policies	Categ
03	R3NWLFIN	r3nwlfin:w3 r number whole life insurance policies	Categ
05	R5NWLFIN	r5nwlfin:w5 r number whole life insurance policies	Categ
06	R6NWLFIN	r6nwlfin:w6 r number whole life insurance policies	Categ
07	R7NWLFIN	r7nwlfin:w7 r number whole life insurance policies	Categ
08	R8NWLFIN	r8nwlfin:w8 r number whole life insurance policies	Categ
09	R9NWLFIN	r9nwlfin:w9 r number whole life insurance policies	Categ
10	R10NWLFIN	r10nwlfin:w10 r number whole life insurance policies	Categ
11	R11NWLFIN	r11nwlfin:w11 r number whole life insurance policies	Categ
12	R12NWLFIN	r12nwlfin:w12 r number whole life insurance policies	Categ
13	R13NWLFIN	r13nwlfin:w13 r number whole life insurance policies	Categ
14	R14NWLFIN	r14nwlfin:w14 r number whole life insurance policies	Categ
15	R15NWLFIN	r15nwlfin:w15 r number whole life insurance policies	Categ
01	S1NWLFIN	s1nwlfin:w1 s number whole life insurance policies	Categ
02	S2NWLFIN	s2nwlfin:w2 s number whole life insurance policies	Categ
03	S3NWLFIN	s3nwlfin:w3 s number whole life insurance policies	Categ
05	S5NWLFIN	s5nwlfin:w5 s number whole life insurance policies	Categ
06	S6NWLFIN	s6nwlfin:w6 s number whole life insurance policies	Categ
07	S7NWLFIN	s7nwlfin:w7 s number whole life insurance policies	Categ
08	S8NWLFIN	s8nwlfin:w8 s number whole life insurance policies	Categ
09	S9NWLFIN	s9nwlfin:w9 s number whole life insurance policies	Categ
10	S10NWLFIN	s10nwlfin:w10 s number whole life insurance policies	Categ
11	S11NWLFIN	s11nwlfin:w11 s number whole life insurance policies	Categ
12	S12NWLFIN	s12nwlfin:w12 s number whole life insurance policies	Categ
13	S13NWLFIN	s13nwlfin:w13 s number whole life insurance policies	Categ

14	S14NWLFIN	s14nwlfin:w14	s number whole life insurance policies	Categ
15	S15NWLFIN	s15nwlfin:w15	s number whole life insurance policies	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WLIFEIN	12327	0.36	0.48	0.00	1.00
R2WLIFEIN	19344	0.30	0.46	0.00	1.00
R3WLIFEIN	6866	0.26	0.44	0.00	1.00
R5WLIFEIN	18415	0.29	0.46	0.00	1.00
R6WLIFEIN	17096	0.29	0.45	0.00	1.00
R7WLIFEIN	18878	0.30	0.46	0.00	1.00
R8WLIFEIN	17287	0.28	0.45	0.00	1.00
R9WLIFEIN	16097	0.27	0.45	0.00	1.00
R10WLIFEIN	20453	0.26	0.44	0.00	1.00
R11WLIFEIN	19429	0.25	0.43	0.00	1.00
R12WLIFEIN	17699	0.25	0.43	0.00	1.00
R13WLIFEIN	19672	0.23	0.42	0.00	1.00
R14WLIFEIN	16174	0.23	0.42	0.00	1.00
R15WLIFEIN	14684	0.22	0.41	0.00	1.00
S1WLIFEIN	9744	0.39	0.49	0.00	1.00
S2WLIFEIN	12851	0.34	0.48	0.00	1.00
S3WLIFEIN	3548	0.31	0.46	0.00	1.00
S5WLIFEIN	12017	0.33	0.47	0.00	1.00
S6WLIFEIN	10971	0.33	0.47	0.00	1.00
S7WLIFEIN	12240	0.33	0.47	0.00	1.00
S8WLIFEIN	11061	0.32	0.46	0.00	1.00
S9WLIFEIN	10032	0.31	0.46	0.00	1.00
S10WLIFEIN	12617	0.28	0.45	0.00	1.00
S11WLIFEIN	11835	0.27	0.44	0.00	1.00
S12WLIFEIN	10473	0.27	0.44	0.00	1.00
S13WLIFEIN	11166	0.24	0.43	0.00	1.00
S14WLIFEIN	8882	0.24	0.43	0.00	1.00
S15WLIFEIN	7965	0.22	0.41	0.00	1.00
R1NWLFIN	12302	0.55	0.91	0.00	5.00
R2NWLFIN	19508	0.47	0.89	0.00	5.00
R3NWLFIN	6867	0.43	0.89	0.00	5.00
R5NWLFIN	18352	0.41	0.76	0.00	5.00
R6NWLFIN	17014	0.41	0.77	0.00	5.00
R7NWLFIN	18790	0.41	0.76	0.00	5.00
R8NWLFIN	17219	0.39	0.74	0.00	5.00
R9NWLFIN	16036	0.37	0.72	0.00	5.00
R10NWLFIN	20395	0.34	0.69	0.00	5.00
R11NWLFIN	19372	0.33	0.68	0.00	5.00
R12NWLFIN	17645	0.33	0.68	0.00	5.00
R13NWLFIN	19619	0.30	0.65	0.00	5.00
R14NWLFIN	16125	0.31	0.66	0.00	5.00
R15NWLFIN	14640	0.28	0.62	0.00	5.00
S1NWLFIN	9722	0.61	0.95	0.00	5.00
S2NWLFIN	12953	0.55	0.96	0.00	5.00
S3NWLFIN	3549	0.54	1.00	0.00	5.00
S5NWLFIN	11973	0.46	0.79	0.00	5.00
S6NWLFIN	10912	0.47	0.82	0.00	5.00
S7NWLFIN	12176	0.46	0.80	0.00	5.00
S8NWLFIN	11007	0.44	0.78	0.00	5.00
S9NWLFIN	9984	0.42	0.76	0.00	5.00
S10NWLFIN	12577	0.38	0.71	0.00	5.00
S11NWLFIN	11798	0.36	0.70	0.00	5.00
S12NWLFIN	10432	0.35	0.69	0.00	5.00



S13NWLFIN	11132	0.32	0.66	0.00	5.00
S14NWLFIN	8852	0.32	0.68	0.00	5.00
S15NWLFIN	7940	0.29	0.63	0.00	5.00

### Categorical Variable Codes

Value-----	R1WLIFEIN	R2WLIFEIN	R3WLIFEIN	R5WLIFEIN	
.d:DK	148	251	112	979	
.m:Missing	95	119	27	49	
.o:other			1		
.q:not available this wave			10964		
.r:Refuse	82	103	21	135	
0.no	7904	13598	5081	12993	
1.yes	4423	5746	1785	5422	

Value-----	R6WLIFEIN	R7WLIFEIN	R8WLIFEIN	R9WLIFEIN	R10WLIFEIN
.d:DK	875	1044	1017	952	1076
.m:Missing	18	37	22	23	279
.r:Refuse	176	170	143	145	226
0.no	12094	13273	12375	11671	15176
1.yes	5002	5605	4912	4426	5277

Value-----	R11WLIFEIN	R12WLIFEIN	R13WLIFEIN	R14WLIFEIN	R15WLIFEIN
.d:DK	837	763	860	647	688
.m:Missing	60	63	139	122	171
.r:Refuse	228	222	241	203	180
0.no	14534	13234	15175	12447	11450
1.yes	4895	4465	4497	3727	3234

Value-----	S1WLIFEIN	S2WLIFEIN	S3WLIFEIN	S5WLIFEIN	
.d:DK	108	147	44	618	
.m:Missing		37	9	10	
.o:other			1		
.q:not available this wave			8306		
.r:Refuse	48	53	8	85	
.u:not coupled	2373	5976	5659	6537	
.v:SP NR	379	578	416	311	
0.no	5928	8423	2440	8063	
1.yes	3816	4428	1108	3954	

Value-----	S6WLIFEIN	S7WLIFEIN	S8WLIFEIN	S9WLIFEIN	S10WLIFEIN
.d:DK	556	617	583	520	616
.m:Missing	6	12	5	5	150
.r:Refuse	99	99	79	83	125
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	7360	8219	7570	6944	9044
1.yes	3611	4021	3491	3088	3573

Value-----	S11WLIFEIN	S12WLIFEIN	S13WLIFEIN	S14WLIFEIN	S15WLIFEIN
.d:DK	499	417	457	350	374
.m:Missing	14	18	39	36	34
.r:Refuse	128	104	116	90	93
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	8619	7661	8434	6771	6210
1.yes	3216	2812	2732	2111	1755

Value-----	R1NWLFIN	R2NWLFIN	R3NWLFIN	R5NWLFIN	
.d:DK	155	153	112	1028	
.m:Missing	95	91	27	49	
.q:not available this wave			10964		
.r:Refuse	100	65	21	149	
0	7904	13830	5081	12993	
1	2926	3571	1076	3913	
2	907	1269	420	993	
3	359	519	178	303	
4	122	181	48	95	
5.5 or more	84	138	64	55	

Value-----	R6NWLFIN	R7NWLFIN	R8NWLFIN	R9NWLFIN	R10NWLFIN
.d:DK	932	1109	1064	994	1112
.m:Missing	18	37	22	23	279

.r:Refuse		201	193	164	164	248
0		12094	13273	12375	11671	15176
1		3567	4036	3580	3304	3979
2		907	1012	866	732	886
3		290	314	251	217	232
4		90	94	94	66	71
5.5 or more		66	61	53	46	51
Value-----		R11NWLFIN	R12NWLFIN	R13NWLFIN	R14NWLFIN	R15NWLFIN
.d:DK		875	785	895	670	710
.m:Missing		60	63	139	122	171
.r:Refuse		247	254	259	229	202
0		14534	13234	15175	12447	11450
1		3687	3375	3379	2786	2481
2		836	753	786	648	525
3		202	186	171	149	125
4		72	54	70	57	39
5.5 or more		41	43	38	38	20
Value-----		S1NWLFIN	S2NWLFIN	S3NWLFIN	S5NWLFIN	
.d:DK		114	71	44	654	
.m:Missing			30	9	10	
.q:not available this wave				8306		
.r:Refuse		64	34	8	93	
.u:not coupled		2373	5976	5659	6537	
.v:SP NR		379	578	416	311	
0		5928	8580	2440	8063	
1		2484	2682	625	2828	
2		792	1003	283	739	
3		330	419	117	224	
4		112	149	39	80	
5.5 or more		76	120	45	39	
Value-----		S6NWLFIN	S7NWLFIN	S8NWLFIN	S9NWLFIN	S10NWLFIN
.d:DK		596	666	623	552	642
.m:Missing		6	12	5	5	150
.r:Refuse		118	114	93	99	139
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
0		7360	8219	7570	6944	9044
1		2520	2863	2526	2284	2696
2		687	736	617	522	598
3		224	239	179	143	153
4		72	71	74	52	52
5.5 or more		49	48	41	39	34
Value-----		S11NWLFIN	S12NWLFIN	S13NWLFIN	S14NWLFIN	S15NWLFIN
.d:DK		527	432	483	366	391
.m:Missing		14	18	39	36	34
.r:Refuse		137	130	124	104	101
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0		8619	7661	8434	6771	6210
1		2426	2110	2036	1544	1336
2		533	484	498	389	296
3		139	113	110	92	61
4		53	35	35	34	24
5.5 or more		28	29	19	22	13

**How Constructed:**

RwWLIFEIN indicates whether the respondent has any whole life insurance policies. RwWLIFEIN is coded as 0 if the respondent has no whole life insurance policies. RwWLIFEIN is coded as 1 if the respondent does have a whole life insurance policy. Whether the respondent has any whole life insurance policies is not asked in the HRS cohort in Wave 3 and in Wave 4, so RwWLIFEIN is assigned special missing .q in Wave 3 and is not available in Wave 4. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwWLIFEIN is set to plain missing (.) for respondents who did not participate in the current wave.

SwWLIFEIN indicates whether the respondent's spouse has any whole life insurance policies, and its values are taken from RwWLIFEIN. In addition to the special missing codes used in RwWLIFEIN, SwWLIFEIN employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent

does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwNWLFINs indicates the number of whole life insurance policies the respondent reports having. RwNWLFINs can take the values of 0 to 5, and if the respondent reports having more than 5 policies, then RwNWLFINs takes the value of 5. RwNWLFINs is assigned a value of 0 if the respondent reports having no whole life insurance policies. RwNWLFINs is available in Wave 1, the HRS and AHEAD cohorts in Wave 2, the AHEAD cohort in Wave 3 and in Waves 5 and onward. The number of whole life policies is not inquired about in the HRS cohort in Wave 3 and in Wave 4, so in Wave 3, RwNWLFINs is assigned special missing .q if the respondent was part of HRS Wave 3 and RwNWLFINs is not available in Wave 4. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwNWLFINs is set to plain missing (.) for respondents who did not participate in the current wave.

SwNWLFINs indicates the number of whole life insurance policies the respondent's spouse reports having, and its values are taken from RwNWLFINs. In addition to the special missing codes used in RwNWLFINs, SwNWLFINs employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in HRS

In Wave 1, the HRS and AHEAD cohorts in Wave 2, and the AHEAD cohort in Wave 3, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked whether they have any life insurance policies that build up a cash value or that you can borrow on, which are sometimes called "whole life" or "straight life", and if so, the number of the whole life insurance policies. In Wave 1, the respondent can report up to 25 whole life policies. In the AHEAD cohort in Wave 2, the respondent can report up to 7 whole life policies. In the HRS cohort in Wave 2, the respondent can report up to 20 whole life policies. In the AHEAD cohort in Wave 3, the respondent can report a continuous number of 1 to 9, or 10 or more whole life policies.

In the HRS cohort in Wave 3 and in Wave 4, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked for the total number of different life insurance policies. In both waves, the respondent is not asked about term versus whole life policies.

Starting in Wave 5, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked if any of the policies are ones that build up a cash value that you can borrow against, or that you would receive if the policy were to be cancelled, which are sometimes called "whole life" or "straight life policies", and if so, the number of the whole life insurance policies. The respondent can report 1, 2, 3, 4, or 5 or more whole life policies.

### HRS Variables Used:

```
Wave 1:
  V6701      r16:r1have life insuranc
  V6711      r18:r1build*cash val*pol
  V6712      r18a:r1*cv:# cv policies

Wave 2 AHEAD:
  B1884      r11. r life insurance: any
  B1893      r15. r whole life ins: any
  B1894      r15a. r whole life ins: # policies

Wave 2 HRS:
  W6764      r15.life insurance
  W6771      r17.any cash value insur
  W6772      r17a.# of cash value pol

Wave 3 AHEAD:
  D5279      r16.r life ins
  D5297      r18.r whole life ins
  D5298      r18a.r #life ins

Wave 3 HRS:
  E5285      r95.number life insurance policies
  EN_INHH    hrs w3: # r's responding in hhold
```

Wave 5:  
G6409 r94.have any life insurance  
G6419 r95.number life insurance policies  
G6429 r99.policies build up cash value  
G6430 r99a.how many cash value policies

Wave 6:  
HT011 r have any life insurance  
HT012 number of diff life ins policies r has  
HT018 r have whole/straight life ins policies  
HT019 how many whole/straight life ins policy

Wave 7:  
JT011 r have any life insurance  
JT012 number of diff life ins policies r has  
JT018 r have whole/straight life ins policies  
JT019 how many whole/straight life ins policy

Wave 8:  
KT011 r have any life insurance  
KT012 number of diff life ins policies r has  
KT018 r have whole/straight life ins policies  
KT019 how many whole/straight life ins policy

Wave 9:  
LT011 r have any life insurance  
LT012 number of diff life ins policies r has  
LT018 r have whole/straight life ins policies  
LT019 how many whole/straight life ins policy

Wave 10:  
MT011 r have any life insurance  
MT012 number of diff life ins policies r has  
MT018 r have whole/straight life ins policies  
MT019 how many whole/straight life ins policy

Wave 11:  
NT011 r have any life insurance  
NT012 number of diff life ins policies r has  
NT018 r have whole/straight life ins policies  
NT019 how many whole/straight life ins policy

Wave 12:  
OT011 r have any life insurance  
OT012 number of diff life ins policies r has  
OT018 r have whole/straight life ins policies  
OT019 how many whole/straight life ins policy

Wave 13:  
PT011 r have any life insurance  
PT012 number of diff life ins policies r has  
PT018 r have whole/straight life ins policies  
PT019 how many whole/straight life ins policy

Wave 14:  
QT011 r have any life insurance  
QT012 number of diff life ins policies r has  
QT018 r have whole/straight life ins policies  
QT019 how many whole/straight life ins policy

Wave 15:  
RT011 r have any life insurance  
RT012 number of diff life ins policies r has  
RT018 r have whole/straight life ins policies  
RT019 how many whole/straight life ins policy

<b>Life Insurance: Beneficiaries of Whole Life Policies</b>
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Wave	Variable	Label	Type
01	R1WLFINSSP	r1wlfinssp:w1 r spouse beneficiary of whole life ins	Categ
02	R2WLFINSSP	r2wlfinssp:w2 r spouse beneficiary of whole life ins	Categ
03	R3WLFINSSP	r3wlfinssp:w3 r spouse beneficiary of whole life ins	Categ
05	R5WLFINSSP	r5wlfinssp:w5 r spouse beneficiary of whole life ins	Categ
06	R6WLFINSSP	r6wlfinssp:w6 r spouse beneficiary of whole life ins	Categ
07	R7WLFINSSP	r7wlfinssp:w7 r spouse beneficiary of whole life ins	Categ
08	R8WLFINSSP	r8wlfinssp:w8 r spouse beneficiary of whole life ins	Categ
09	R9WLFINSSP	r9wlfinssp:w9 r spouse beneficiary of whole life ins	Categ
10	R10WLFINSSP	r10wlfinssp:w10 r spouse beneficiary of whole life ins	Categ
11	R11WLFINSSP	r11wlfinssp:w11 r spouse beneficiary of whole life ins	Categ
12	R12WLFINSSP	r12wlfinssp:w12 r spouse beneficiary of whole life ins	Categ
13	R13WLFINSSP	r13wlfinssp:w13 r spouse beneficiary of whole life ins	Categ
14	R14WLFINSSP	r14wlfinssp:w14 r spouse beneficiary of whole life ins	Categ
15	R15WLFINSSP	r15wlfinssp:w15 r spouse beneficiary of whole life ins	Categ
01	S1WLFINSSP	s1wlfinssp:w1 s spouse beneficiary of whole life ins	Categ
02	S2WLFINSSP	s2wlfinssp:w2 s spouse beneficiary of whole life ins	Categ
03	S3WLFINSSP	s3wlfinssp:w3 s spouse beneficiary of whole life ins	Categ
05	S5WLFINSSP	s5wlfinssp:w5 s spouse beneficiary of whole life ins	Categ
06	S6WLFINSSP	s6wlfinssp:w6 s spouse beneficiary of whole life ins	Categ
07	S7WLFINSSP	s7wlfinssp:w7 s spouse beneficiary of whole life ins	Categ
08	S8WLFINSSP	s8wlfinssp:w8 s spouse beneficiary of whole life ins	Categ
09	S9WLFINSSP	s9wlfinssp:w9 s spouse beneficiary of whole life ins	Categ
10	S10WLFINSSP	s10wlfinssp:w10 s spouse beneficiary of whole life ins	Categ
11	S11WLFINSSP	s11wlfinssp:w11 s spouse beneficiary of whole life ins	Categ
12	S12WLFINSSP	s12wlfinssp:w12 s spouse beneficiary of whole life ins	Categ
13	S13WLFINSSP	s13wlfinssp:w13 s spouse beneficiary of whole life ins	Categ
14	S14WLFINSSP	s14wlfinssp:w14 s spouse beneficiary of whole life ins	Categ
15	S15WLFINSSP	s15wlfinssp:w15 s spouse beneficiary of whole life ins	Categ
01	R1WLFINSCH	r1wlfinssch:w1 r child beneficiary of whole life ins	Categ
05	R5WLFINSCH	r5wlfinssch:w5 r child beneficiary of whole life ins	Categ
06	R6WLFINSCH	r6wlfinssch:w6 r child beneficiary of whole life ins	Categ
07	R7WLFINSCH	r7wlfinssch:w7 r child beneficiary of whole life ins	Categ
08	R8WLFINSCH	r8wlfinssch:w8 r child beneficiary of whole life ins	Categ
09	R9WLFINSCH	r9wlfinssch:w9 r child beneficiary of whole life ins	Categ
10	R10WLFINSCH	r10wlfinssch:w10 r child beneficiary of whole life ins	Categ
11	R11WLFINSCH	r11wlfinssch:w11 r child beneficiary of whole life ins	Categ
12	R12WLFINSCH	r12wlfinssch:w12 r child beneficiary of whole life ins	Categ
13	R13WLFINSCH	r13wlfinssch:w13 r child beneficiary of whole life ins	Categ
14	R14WLFINSCH	r14wlfinssch:w14 r child beneficiary of whole life ins	Categ
15	R15WLFINSCH	r15wlfinssch:w15 r child beneficiary of whole life ins	Categ
01	S1WLFINSCH	s1wlfinssch:w1 s child beneficiary of whole life ins	Categ
05	S5WLFINSCH	s5wlfinssch:w5 s child beneficiary of whole life ins	Categ
06	S6WLFINSCH	s6wlfinssch:w6 s child beneficiary of whole life ins	Categ
07	S7WLFINSCH	s7wlfinssch:w7 s child beneficiary of whole life ins	Categ
08	S8WLFINSCH	s8wlfinssch:w8 s child beneficiary of whole life ins	Categ
09	S9WLFINSCH	s9wlfinssch:w9 s child beneficiary of whole life ins	Categ
10	S10WLFINSCH	s10wlfinssch:w10 s child beneficiary of whole life ins	Categ
11	S11WLFINSCH	s11wlfinssch:w11 s child beneficiary of whole life ins	Categ
12	S12WLFINSCH	s12wlfinssch:w12 s child beneficiary of whole life ins	Categ
13	S13WLFINSCH	s13wlfinssch:w13 s child beneficiary of whole life ins	Categ
14	S14WLFINSCH	s14wlfinssch:w14 s child beneficiary of whole life ins	Categ
15	S15WLFINSCH	s15wlfinssch:w15 s child beneficiary of whole life ins	Categ
02	R2WLFINSCG	r2wlfinsscg:w2 r child/grandchild beneficiary of whole life i	Categ

03	R3WLFINSCG	r3wlfinscg:w3	r	child/grandchild beneficiary of whole life	i	Categ
02	S2WLFINSCG	s2wlfinscg:w2	s	child/grandchild beneficiary of whole life	i	Categ
03	S3WLFINSCG	s3wlfinscg:w3	s	child/grandchild beneficiary of whole life	i	Categ
05	R5WLFINSGK	r5wlfinsgk:w5	r	grandchild beneficiary of whole life	ins	Categ
06	R6WLFINSGK	r6wlfinsgk:w6	r	grandchild beneficiary of whole life	ins	Categ
07	R7WLFINSGK	r7wlfinsgk:w7	r	grandchild beneficiary of whole life	ins	Categ
08	R8WLFINSGK	r8wlfinsgk:w8	r	grandchild beneficiary of whole life	ins	Categ
09	R9WLFINSGK	r9wlfinsgk:w9	r	grandchild beneficiary of whole life	ins	Categ
10	R10WLFINSGK	r10wlfinsgk:w10	r	grandchild beneficiary of whole life	ins	Categ
11	R11WLFINSGK	r11wlfinsgk:w11	r	grandchild beneficiary of whole life	ins	Categ
12	R12WLFINSGK	r12wlfinsgk:w12	r	grandchild beneficiary of whole life	ins	Categ
13	R13WLFINSGK	r13wlfinsgk:w13	r	grandchild beneficiary of whole life	ins	Categ
14	R14WLFINSGK	r14wlfinsgk:w14	r	grandchild beneficiary of whole life	ins	Categ
15	R15WLFINSGK	r15wlfinsgk:w15	r	grandchild beneficiary of whole life	ins	Categ
05	S5WLFINSGK	s5wlfinsgk:w5	s	grandchild beneficiary of whole life	ins	Categ
06	S6WLFINSGK	s6wlfinsgk:w6	s	grandchild beneficiary of whole life	ins	Categ
07	S7WLFINSGK	s7wlfinsgk:w7	s	grandchild beneficiary of whole life	ins	Categ
08	S8WLFINSGK	s8wlfinsgk:w8	s	grandchild beneficiary of whole life	ins	Categ
09	S9WLFINSGK	s9wlfinsgk:w9	s	grandchild beneficiary of whole life	ins	Categ
10	S10WLFINSGK	s10wlfinsgk:w10	s	grandchild beneficiary of whole life	ins	Categ
11	S11WLFINSGK	s11wlfinsgk:w11	s	grandchild beneficiary of whole life	ins	Categ
12	S12WLFINSGK	s12wlfinsgk:w12	s	grandchild beneficiary of whole life	ins	Categ
13	S13WLFINSGK	s13wlfinsgk:w13	s	grandchild beneficiary of whole life	ins	Categ
14	S14WLFINSGK	s14wlfinsgk:w14	s	grandchild beneficiary of whole life	ins	Categ
15	S15WLFINSGK	s15wlfinsgk:w15	s	grandchild beneficiary of whole life	ins	Categ
02	R2WLFINSRL	r2wlfinsrl:w2	r	relative beneficiary of whole life	ins	Categ
03	R3WLFINSRL	r3wlfinsrl:w3	r	relative beneficiary of whole life	ins	Categ
05	R5WLFINSRL	r5wlfinsrl:w5	r	relative beneficiary of whole life	ins	Categ
06	R6WLFINSRL	r6wlfinsrl:w6	r	relative beneficiary of whole life	ins	Categ
07	R7WLFINSRL	r7wlfinsrl:w7	r	relative beneficiary of whole life	ins	Categ
08	R8WLFINSRL	r8wlfinsrl:w8	r	relative beneficiary of whole life	ins	Categ
09	R9WLFINSRL	r9wlfinsrl:w9	r	relative beneficiary of whole life	ins	Categ
10	R10WLFINSRL	r10wlfinsrl:w10	r	relative beneficiary of whole life	ins	Categ
11	R11WLFINSRL	r11wlfinsrl:w11	r	relative beneficiary of whole life	ins	Categ
12	R12WLFINSRL	r12wlfinsrl:w12	r	relative beneficiary of whole life	ins	Categ
13	R13WLFINSRL	r13wlfinsrl:w13	r	relative beneficiary of whole life	ins	Categ
14	R14WLFINSRL	r14wlfinsrl:w14	r	relative beneficiary of whole life	ins	Categ
15	R15WLFINSRL	r15wlfinsrl:w15	r	relative beneficiary of whole life	ins	Categ
02	S2WLFINSRL	s2wlfinsrl:w2	s	relative beneficiary of whole life	ins	Categ
03	S3WLFINSRL	s3wlfinsrl:w3	s	relative beneficiary of whole life	ins	Categ
05	S5WLFINSRL	s5wlfinsrl:w5	s	relative beneficiary of whole life	ins	Categ
06	S6WLFINSRL	s6wlfinsrl:w6	s	relative beneficiary of whole life	ins	Categ
07	S7WLFINSRL	s7wlfinsrl:w7	s	relative beneficiary of whole life	ins	Categ
08	S8WLFINSRL	s8wlfinsrl:w8	s	relative beneficiary of whole life	ins	Categ
09	S9WLFINSRL	s9wlfinsrl:w9	s	relative beneficiary of whole life	ins	Categ
10	S10WLFINSRL	s10wlfinsrl:w10	s	relative beneficiary of whole life	ins	Categ
11	S11WLFINSRL	s11wlfinsrl:w11	s	relative beneficiary of whole life	ins	Categ
12	S12WLFINSRL	s12wlfinsrl:w12	s	relative beneficiary of whole life	ins	Categ
13	S13WLFINSRL	s13wlfinsrl:w13	s	relative beneficiary of whole life	ins	Categ
14	S14WLFINSRL	s14wlfinsrl:w14	s	relative beneficiary of whole life	ins	Categ
15	S15WLFINSRL	s15wlfinsrl:w15	s	relative beneficiary of whole life	ins	Categ
01	R1WLFINSOR	r1wlfinsor:w1	r	other beneficiary of whole life	ins	Categ
01	S1WLFINSOR	s1wlfinsor:w1	s	other beneficiary of whole life	ins	Categ
02	R2WLFINSOT	r2wlfinsot:w2	r	other non-relative beneficiary of whole life		Categ
03	R3WLFINSOT	r3wlfinsot:w3	r	other non-relative beneficiary of whole life		Categ

05	R5WLFINSOT	r5wlfinsot:w5	r	other non-relative beneficiary of whole life	Categ
06	R6WLFINSOT	r6wlfinsot:w6	r	other non-relative beneficiary of whole life	Categ
07	R7WLFINSOT	r7wlfinsot:w7	r	other non-relative beneficiary of whole life	Categ
08	R8WLFINSOT	r8wlfinsot:w8	r	other non-relative beneficiary of whole life	Categ
09	R9WLFINSOT	r9wlfinsot:w9	r	other non-relative beneficiary of whole life	Categ
10	R10WLFINSOT	r10wlfinsot:w10	r	other non-relative beneficiary of whole li	Categ
11	R11WLFINSOT	r11wlfinsot:w11	r	other non-relative beneficiary of whole li	Categ
12	R12WLFINSOT	r12wlfinsot:w12	r	other non-relative beneficiary of whole li	Categ
13	R13WLFINSOT	r13wlfinsot:w13	r	other non-relative beneficiary of whole li	Categ
14	R14WLFINSOT	r14wlfinsot:w14	r	other non-relative beneficiary of whole li	Categ
15	R15WLFINSOT	r15wlfinsot:w15	r	other non-relative beneficiary of whole li	Categ
02	S2WLFINSOT	s2wlfinsot:w2	s	other non-relative beneficiary of whole life	Categ
03	S3WLFINSOT	s3wlfinsot:w3	s	other non-relative beneficiary of whole life	Categ
05	S5WLFINSOT	s5wlfinsot:w5	s	other non-relative beneficiary of whole life	Categ
06	S6WLFINSOT	s6wlfinsot:w6	s	other non-relative beneficiary of whole life	Categ
07	S7WLFINSOT	s7wlfinsot:w7	s	other non-relative beneficiary of whole life	Categ
08	S8WLFINSOT	s8wlfinsot:w8	s	other non-relative beneficiary of whole life	Categ
09	S9WLFINSOT	s9wlfinsot:w9	s	other non-relative beneficiary of whole life	Categ
10	S10WLFINSOT	s10wlfinsot:w10	s	other non-relative beneficiary of whole li	Categ
11	S11WLFINSOT	s11wlfinsot:w11	s	other non-relative beneficiary of whole li	Categ
12	S12WLFINSOT	s12wlfinsot:w12	s	other non-relative beneficiary of whole li	Categ
13	S13WLFINSOT	s13wlfinsot:w13	s	other non-relative beneficiary of whole li	Categ
14	S14WLFINSOT	s14wlfinsot:w14	s	other non-relative beneficiary of whole li	Categ
15	S15WLFINSOT	s15wlfinsot:w15	s	other non-relative beneficiary of whole li	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WLFINSSP	3821	0.82	0.38	0.00	1.00
R2WLFINSSP	1934	0.64	0.48	0.00	1.00
R3WLFINSSP	1774	0.59	0.49	0.00	1.00
R5WLFINSSP	4387	0.68	0.47	0.00	1.00
R6WLFINSSP	4613	0.71	0.45	0.00	1.00
R7WLFINSSP	5543	0.65	0.48	0.00	1.00
R8WLFINSSP	4846	0.65	0.48	0.00	1.00
R9WLFINSSP	4378	0.64	0.48	0.00	1.00
R10WLFINSSP	5192	0.60	0.49	0.00	1.00
R11WLFINSSP	4825	0.58	0.49	0.00	1.00
R12WLFINSSP	4401	0.56	0.50	0.00	1.00
R13WLFINSSP	4422	0.54	0.50	0.00	1.00
R14WLFINSSP	3653	0.52	0.50	0.00	1.00
R15WLFINSSP	3172	0.49	0.50	0.00	1.00
S1WLFINSSP	3304	0.93	0.26	0.00	1.00
S2WLFINSSP	1310	0.91	0.29	0.00	1.00
S3WLFINSSP	1105	0.92	0.28	0.00	1.00
S5WLFINSSP	3184	0.91	0.28	0.00	1.00
S6WLFINSSP	3522	0.91	0.28	0.00	1.00
S7WLFINSSP	3984	0.89	0.32	0.00	1.00
S8WLFINSSP	3462	0.89	0.31	0.00	1.00
S9WLFINSSP	3065	0.88	0.32	0.00	1.00
S10WLFINSSP	3537	0.85	0.36	0.00	1.00
S11WLFINSSP	3176	0.84	0.36	0.00	1.00
S12WLFINSSP	2776	0.84	0.37	0.00	1.00
S13WLFINSSP	2702	0.82	0.39	0.00	1.00
S14WLFINSSP	2077	0.82	0.38	0.00	1.00
S15WLFINSSP	1731	0.80	0.40	0.00	1.00
R1WLFINSCH	3821	0.16	0.37	0.00	1.00
R5WLFINSCH	4387	0.34	0.47	0.00	1.00
R6WLFINSCH	4613	0.28	0.45	0.00	1.00

R7WLFINSCH	5543	0.38	0.48	0.00	1.00
R8WLFINSCH	4846	0.38	0.49	0.00	1.00
R9WLFINSCH	4378	0.40	0.49	0.00	1.00
R10WLFINSCH	5192	0.47	0.50	0.00	1.00
R11WLFINSCH	4825	0.51	0.50	0.00	1.00
R12WLFINSCH	4401	0.56	0.50	0.00	1.00
R13WLFINSCH	4422	0.58	0.49	0.00	1.00
R14WLFINSCH	3653	0.58	0.49	0.00	1.00
R15WLFINSCH	3172	0.61	0.49	0.00	1.00
S1WLFINSCH	3304	0.09	0.29	0.00	1.00
S5WLFINSCH	3184	0.17	0.38	0.00	1.00
S6WLFINSCH	3522	0.14	0.34	0.00	1.00
S7WLFINSCH	3984	0.22	0.42	0.00	1.00
S8WLFINSCH	3462	0.22	0.41	0.00	1.00
S9WLFINSCH	3065	0.24	0.43	0.00	1.00
S10WLFINSCH	3537	0.33	0.47	0.00	1.00
S11WLFINSCH	3176	0.38	0.49	0.00	1.00
S12WLFINSCH	2776	0.43	0.50	0.00	1.00
S13WLFINSCH	2702	0.46	0.50	0.00	1.00
S14WLFINSCH	2077	0.46	0.50	0.00	1.00
S15WLFINSCH	1731	0.49	0.50	0.00	1.00
R2WLFINSCG	1934	0.32	0.47	0.00	1.00
R3WLFINSCG	1774	0.36	0.48	0.00	1.00
S2WLFINSCG	1310	0.12	0.32	0.00	1.00
S3WLFINSCG	1105	0.11	0.32	0.00	1.00
R5WLFINS GK	4387	0.00	0.00	0.00	0.00
R6WLFINS GK	4958	0.00	0.00	0.00	0.00
R7WLFINS GK	5543	0.01	0.08	0.00	1.00
R8WLFINS GK	4846	0.01	0.09	0.00	1.00
R9WLFINS GK	4378	0.01	0.09	0.00	1.00
R10WLFINS GK	5192	0.02	0.12	0.00	1.00
R11WLFINS GK	4825	0.02	0.13	0.00	1.00
R12WLFINS GK	4401	0.02	0.14	0.00	1.00
R13WLFINS GK	4422	0.02	0.13	0.00	1.00
R14WLFINS GK	3653	0.02	0.14	0.00	1.00
R15WLFINS GK	3172	0.02	0.13	0.00	1.00
S5WLFINS GK	3184	0.00	0.00	0.00	0.00
S6WLFINS GK	3590	0.00	0.00	0.00	0.00
S7WLFINS GK	3984	0.00	0.05	0.00	1.00
S8WLFINS GK	3462	0.00	0.07	0.00	1.00
S9WLFINS GK	3065	0.01	0.08	0.00	1.00
S10WLFINS GK	3537	0.01	0.09	0.00	1.00
S11WLFINS GK	3176	0.01	0.09	0.00	1.00
S12WLFINS GK	2776	0.01	0.11	0.00	1.00
S13WLFINS GK	2702	0.01	0.10	0.00	1.00
S14WLFINS GK	2077	0.01	0.11	0.00	1.00
S15WLFINS GK	1731	0.01	0.08	0.00	1.00
R2WLFINSRL	1934	0.05	0.22	0.00	1.00
R3WLFINSRL	1774	0.06	0.23	0.00	1.00
R5WLFINSRL	4387	0.00	0.00	0.00	0.00
R6WLFINSRL	4958	0.00	0.00	0.00	0.00
R7WLFINSRL	5543	0.02	0.15	0.00	1.00
R8WLFINSRL	4846	0.01	0.10	0.00	1.00
R9WLFINSRL	4378	0.02	0.14	0.00	1.00
R10WLFINSRL	5192	0.03	0.17	0.00	1.00
R11WLFINSRL	4825	0.04	0.19	0.00	1.00
R12WLFINSRL	4401	0.04	0.18	0.00	1.00



R13WLFINSRL	4422	0.04	0.20	0.00	1.00
R14WLFINSRL	3653	0.04	0.21	0.00	1.00
R15WLFINSRL	3172	0.00	0.00	0.00	0.00
S2WLFINSRL	1310	0.00	0.06	0.00	1.00
S3WLFINSRL	1105	0.01	0.07	0.00	1.00
S5WLFINSRL	3184	0.00	0.00	0.00	0.00
S6WLFINSRL	3590	0.00	0.00	0.00	0.00
S7WLFINSRL	3984	0.00	0.06	0.00	1.00
S8WLFINSRL	3462	0.00	0.05	0.00	1.00
S9WLFINSRL	3065	0.00	0.06	0.00	1.00
S10WLFINSRL	3537	0.01	0.08	0.00	1.00
S11WLFINSRL	3176	0.01	0.11	0.00	1.00
S12WLFINSRL	2776	0.01	0.11	0.00	1.00
S13WLFINSRL	2702	0.02	0.13	0.00	1.00
S14WLFINSRL	2077	0.02	0.13	0.00	1.00
S15WLFINSRL	1731	0.00	0.00	0.00	0.00
R1WLFINSOR	3821	0.07	0.25	0.00	1.00
S1WLFINSOR	3304	0.04	0.19	0.00	1.00
R2WLFINSOT	1934	0.03	0.17	0.00	1.00
R3WLFINSOT	1774	0.03	0.17	0.00	1.00
R5WLFINSOT	4387	0.07	0.25	0.00	1.00
R6WLFINSOT	4958	0.06	0.25	0.00	1.00
R7WLFINSOT	5543	0.05	0.23	0.00	1.00
R8WLFINSOT	4846	0.06	0.24	0.00	1.00
R9WLFINSOT	4378	0.05	0.22	0.00	1.00
R10WLFINSOT	5192	0.07	0.25	0.00	1.00
R11WLFINSOT	4825	0.08	0.27	0.00	1.00
R12WLFINSOT	4401	0.08	0.27	0.00	1.00
R13WLFINSOT	4422	0.09	0.29	0.00	1.00
R14WLFINSOT	3653	0.08	0.28	0.00	1.00
R15WLFINSOT	3172	0.14	0.35	0.00	1.00
S2WLFINSOT	1310	0.02	0.13	0.00	1.00
S3WLFINSOT	1105	0.02	0.13	0.00	1.00
S5WLFINSOT	3184	0.02	0.15	0.00	1.00
S6WLFINSOT	3590	0.03	0.16	0.00	1.00
S7WLFINSOT	3984	0.02	0.15	0.00	1.00
S8WLFINSOT	3462	0.03	0.17	0.00	1.00
S9WLFINSOT	3065	0.02	0.13	0.00	1.00
S10WLFINSOT	3537	0.04	0.19	0.00	1.00
S11WLFINSOT	3176	0.04	0.21	0.00	1.00
S12WLFINSOT	2776	0.04	0.20	0.00	1.00
S13WLFINSOT	2702	0.05	0.22	0.00	1.00
S14WLFINSOT	2077	0.04	0.20	0.00	1.00
S15WLFINSOT	1731	0.08	0.27	0.00	1.00

### Categorical Variable Codes

Value-----	R1WLFINSSP	R2WLFINSSP	R3WLFINSSP	R5WLFINSSP	
.d:DK	149	118	123	998	
.e:not asked in error				993	
.m:Missing	95	91	27	49	
.n:no whole life insurance	7904	6033	5081	12993	
.q:not available this wave		11595	10964		
.r:Refuse	683	46	22	158	
0.no	681	704	729	1408	
1.yes	3140	1230	1045	2979	
Value-----	R6WLFINSSP	R7WLFINSSP	R8WLFINSSP	R9WLFINSSP	R10WLFINSSP
.d:DK	898	1077	1045	975	1104

.m:Missing		363	44	22	23	279
.n:no whole life insurance		12094	13273	12375	11671	15176
.r:Refuse		197	192	181	170	283
0.no		1342	1926	1705	1594	2062
1.yes		3271	3617	3141	2784	3130
Value-----		R11WLFINSSP	R12WLFINSSP	R13WLFINSSP	R14WLFINSSP	R15WLFINSSP
.d:DK		866	787	893	669	707
.m:Missing		61	63	139	138	179
.n:no whole life insurance		14534	13234	15175	12447	11450
.r:Refuse		268	262	283	239	215
0.no		2029	1958	2049	1763	1631
1.yes		2796	2443	2373	1890	1541
Value-----		S1WLFINSSP	S2WLFINSSP	S3WLFINSSP		S5WLFINSSP
.d:DK		108	34	47		627
.e:not asked in error						743
.m:Missing			30	9		10
.n:no whole life insurance		5928	2958	2440		8063
.q:not available this wave			8738	8306		
.r:Refuse		560	18	9		103
.u:not coupled		2373	5976	5659		6537
.v:SP NR		379	578	416		311
0.no		246	118	93		281
1.yes		3058	1192	1012		2903
Value-----		S6WLFINSSP	S7WLFINSSP	S8WLFINSSP	S9WLFINSSP	S10WLFINSSP
.d:DK		564	631	591	527	620
.m:Missing		74	17	5	5	150
.n:no whole life insurance		7360	8219	7570	6944	9044
.r:Refuse		112	117	100	99	157
.u:not coupled		6313	6781	6424	6212	7804
.v:SP NR		220	380	317	365	722
0.no		305	445	386	363	531
1.yes		3217	3539	3076	2702	3006
Value-----		S11WLFINSSP	S12WLFINSSP	S13WLFINSSP	S14WLFINSSP	S15WLFINSSP
.d:DK		516	428	469	359	379
.m:Missing		15	18	39	47	40
.n:no whole life insurance		8619	7661	8434	6771	6210
.r:Refuse		150	129	134	104	106
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		496	441	495	370	351
1.yes		2680	2335	2207	1707	1380
Value-----		R1WLFINSCH				R5WLFINSCH
.d:DK		149				998
.e:not asked in error						993
.m:Missing		95				49
.n:no whole life insurance		7904				12993
.r:Refuse		683				158
0.no		3203				2899
1.yes		618				1488
Value-----		R6WLFINSCH	R7WLFINSCH	R8WLFINSCH	R9WLFINSCH	R10WLFINSCH
.d:DK		898	1077	1045	975	1104
.m:Missing		363	44	22	23	279
.n:no whole life insurance		12094	13273	12375	11671	15176
.r:Refuse		197	192	181	170	283
0.no		3313	3459	3000	2622	2745
1.yes		1300	2084	1846	1756	2447
Value-----		R11WLFINSCH	R12WLFINSCH	R13WLFINSCH	R14WLFINSCH	R15WLFINSCH
.d:DK		866	787	893	669	707
.m:Missing		61	63	139	138	179
.n:no whole life insurance		14534	13234	15175	12447	11450
.r:Refuse		268	262	283	239	215
0.no		2352	1938	1861	1523	1229
1.yes		2473	2463	2561	2130	1943
Value-----		S1WLFINSCH				S5WLFINSCH
.d:DK		108				627
.e:not asked in error						743
.m:Missing						10
.n:no whole life insurance		5928				8063

.r:Refuse	560				103
.u:not coupled	2373				6537
.v:SP NR	379				311
0.no	3008				2628
1.yes	296				556
Value-----	S6WLFINSCH	S7WLFINSCH	S8WLFINSCH	S9WLFINSCH	S10WLFINSCH
.d:DK	564	631	591	527	620
.m:Missing	74	17	5	5	150
.n:no whole life insurance	7360	8219	7570	6944	9044
.r:Refuse	112	117	100	99	157
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	3044	3093	2710	2339	2357
1.yes	478	891	752	726	1180
Value-----	S11WLFINSCH	S12WLFINSCH	S13WLFINSCH	S14WLFINSCH	S15WLFINSCH
.d:DK	516	428	469	359	379
.m:Missing	15	18	39	47	40
.n:no whole life insurance	8619	7661	8434	6771	6210
.r:Refuse	150	129	134	104	106
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	1962	1570	1459	1116	882
1.yes	1214	1206	1243	961	849
Value-----		R2WLFINSCG	R3WLFINSCG		
.d:DK		118	123		
.m:Missing		91	27		
.n:no whole life insurance		6033	5081		
.q:not available this wave		11595	10964		
.r:Refuse		46	22		
0.no		1315	1134		
1.yes		619	640		
Value-----		S2WLFINSCG	S3WLFINSCG		
.d:DK		34	47		
.m:Missing		30	9		
.n:no whole life insurance		2958	2440		
.q:not available this wave		8738	8306		
.r:Refuse		18	9		
.u:not coupled		5976	5659		
.v:SP NR		578	416		
0.no		1154	979		
1.yes		156	126		
Value-----				R5WLFINS GK	
.d:DK				998	
.e:not asked in error				993	
.m:Missing				49	
.n:no whole life insurance				12993	
.r:Refuse				158	
0.no				4387	
Value-----	R6WLFINS GK	R7WLFINS GK	R8WLFINS GK	R9WLFINS GK	R10WLFINS GK
.d:DK	898	1077	1045	975	1104
.m:Missing	18	44	22	23	279
.n:no whole life insurance	12094	13273	12375	11671	15176
.r:Refuse	197	192	181	170	283
0.no	4958	5508	4810	4342	5114
1.yes		35	36	36	78
Value-----	R11WLFINS GK	R12WLFINS GK	R13WLFINS GK	R14WLFINS GK	R15WLFINS GK
.d:DK	866	787	893	669	707
.m:Missing	61	63	139	138	179
.n:no whole life insurance	14534	13234	15175	12447	11450
.r:Refuse	268	262	283	239	215
0.no	4748	4316	4349	3580	3117
1.yes	77	85	73	73	55
Value-----				S5WLFINS GK	
.d:DK				627	
.e:not asked in error				743	
.m:Missing				10	
.n:no whole life insurance				8063	
.r:Refuse				103	

.u:not coupled					6537
.v:SP NR					311
0.no					3184
Value-----	S6WLFINS GK	S7WLFINS GK	S8WLFINS GK	S9WLFINS GK	S10WLFINS GK
.d:DK	564	631	591	527	620
.m:Missing	6	17	5	5	150
.n:no whole life insurance	7360	8219	7570	6944	9044
.r:Refuse	112	117	100	99	157
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	3590	3972	3447	3045	3511
1.yes		12	15	20	26
Value-----	S11WLFINS GK	S12WLFINS GK	S13WLFINS GK	S14WLFINS GK	S15WLFINS GK
.d:DK	516	428	469	359	379
.m:Missing	15	18	39	47	40
.n:no whole life insurance	8619	7661	8434	6771	6210
.r:Refuse	150	129	134	104	106
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	3151	2744	2677	2053	1720
1.yes	25	32	25	24	11
Value-----		R2WLFINS RL	R3WLFINS RL		R5WLFINS RL
.d:DK		118	123		998
.e:not asked in error					993
.m:Missing		91	27		49
.n:no whole life insurance		6033	5081		12993
.q:not available this wave		11595	10964		
.r:Refuse		46	22		158
0.no		1833	1674		4387
1.yes		101	100		
Value-----	R6WLFINS RL	R7WLFINS RL	R8WLFINS RL	R9WLFINS RL	R10WLFINS RL
.d:DK	898	1077	1045	975	1104
.m:Missing	18	44	22	23	279
.n:no whole life insurance	12094	13273	12375	11671	15176
.r:Refuse	197	192	181	170	283
0.no	4958	5423	4794	4293	5046
1.yes		120	52	85	146
Value-----	R11WLFINS RL	R12WLFINS RL	R13WLFINS RL	R14WLFINS RL	R15WLFINS RL
.d:DK	866	787	893	669	707
.m:Missing	61	63	139	138	179
.n:no whole life insurance	14534	13234	15175	12447	11450
.r:Refuse	268	262	283	239	215
0.no	4652	4245	4243	3489	3172
1.yes	173	156	179	164	
Value-----		S2WLFINS RL	S3WLFINS RL		S5WLFINS RL
.d:DK		34	47		627
.e:not asked in error					743
.m:Missing		30	9		10
.n:no whole life insurance		2958	2440		8063
.q:not available this wave		8738	8306		
.r:Refuse		18	9		103
.u:not coupled		5976	5659		6537
.v:SP NR		578	416		311
0.no		1306	1099		3184
1.yes		4	6		
Value-----	S6WLFINS RL	S7WLFINS RL	S8WLFINS RL	S9WLFINS RL	S10WLFINS RL
.d:DK	564	631	591	527	620
.m:Missing	6	17	5	5	150
.n:no whole life insurance	7360	8219	7570	6944	9044
.r:Refuse	112	117	100	99	157
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	3590	3969	3453	3052	3512
1.yes		15	9	13	25
Value-----	S11WLFINS RL	S12WLFINS RL	S13WLFINS RL	S14WLFINS RL	S15WLFINS RL
.d:DK	516	428	469	359	379
.m:Missing	15	18	39	47	40
.n:no whole life insurance	8619	7661	8434	6771	6210

.r:Refuse	150	129	134	104	106
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	3136	2739	2656	2041	1731
1.yes	40	37	46	36	
Value-----	R1WLFINSOR				
.d:DK	149				
.m:Missing	95				
.n:no whole life insurance	7904				
.r:Refuse	683				
0.no	3572				
1.yes	249				
Value-----	S1WLFINSOR				
.d:DK	108				
.n:no whole life insurance	5928				
.r:Refuse	560				
.u:not coupled	2373				
.v:SP NR	379				
0.no	3184				
1.yes	120				
Value-----	R2WLFINSOT	R3WLFINSOT		R5WLFINSOT	
.d:DK	118	123		998	
.e:not asked in error				993	
.m:Missing	91	27		49	
.n:no whole life insurance	6033	5081		12993	
.q:not available this wave	11595	10964			
.r:Refuse	46	22		158	
0.no	1877	1720		4096	
1.yes	57	54		291	
Value-----	R6WLFINSOT	R7WLFINSOT	R8WLFINSOT	R9WLFINSOT	R10WLFINSOT
.d:DK	898	1077	1045	975	1104
.m:Missing	18	44	22	23	279
.n:no whole life insurance	12094	13273	12375	11671	15176
.r:Refuse	197	192	181	170	283
0.no	4639	5244	4539	4150	4841
1.yes	319	299	307	228	351
Value-----	R11WLFINSOT	R12WLFINSOT	R13WLFINSOT	R14WLFINSOT	R15WLFINSOT
.d:DK	866	787	893	669	707
.m:Missing	61	63	139	138	179
.n:no whole life insurance	14534	13234	15175	12447	11450
.r:Refuse	268	262	283	239	215
0.no	4440	4042	4025	3349	2720
1.yes	385	359	397	304	452
Value-----	S2WLFINSOT	S3WLFINSOT		S5WLFINSOT	
.d:DK	34	47		627	
.e:not asked in error				743	
.m:Missing	30	9		10	
.n:no whole life insurance	2958	2440		8063	
.q:not available this wave	8738	8306			
.r:Refuse	18	9		103	
.u:not coupled	5976	5659		6537	
.v:SP NR	578	416		311	
0.no	1286	1087		3106	
1.yes	24	18		78	
Value-----	S6WLFINSOT	S7WLFINSOT	S8WLFINSOT	S9WLFINSOT	S10WLFINSOT
.d:DK	564	631	591	527	620
.m:Missing	6	17	5	5	150
.n:no whole life insurance	7360	8219	7570	6944	9044
.r:Refuse	112	117	100	99	157
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	3498	3898	3363	3010	3408
1.yes	92	86	99	55	129
Value-----	S11WLFINSOT	S12WLFINSOT	S13WLFINSOT	S14WLFINSOT	S15WLFINSOT
.d:DK	516	428	469	359	379
.m:Missing	15	18	39	47	40
.n:no whole life insurance	8619	7661	8434	6771	6210
.r:Refuse	150	129	134	104	106

.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.no		3034	2665	2562	1994	1593
1.yes		142	111	140	83	138

## How Constructed:

RwWLFINSSP, RwWLFINSCH, RwWLFINSCG, RwWLFINSKG, RwWLFINSRL, RwWLFINSOR, and RwWLFINSOT indicate whether someone with the specified relationship is named a beneficiary of the respondent's whole life insurance policies. RwWLFINSOR is only available in Wave 1, and RwWLFINSCG is only available for the AHEAD cohorts in Waves 2 and 3. The respondent is able to select multiple relationships at each wave. RwWLFINSSP indicates whether the respondent's spouse/partner is named as a beneficiary of their whole life insurance. RwWLFINSCH indicates whether the respondent's child, all children, step/partner child, child-in-law, son, stepson, son-in-law, daughter, stepdaughter, daughter-in-law, unlisted child or child-in-law, unknown/ambiguous child, ambiguous child-in-law relationship, former step-child, former child-in-law, or deceased child are named as a beneficiary of their whole life insurance. RwWLFINSCG indicates whether the respondent's child/child-in-law/grandchild (which cannot be distinguished from each other) are named as a beneficiary of their whole life insurance. RwWLFINSKG indicates whether the respondent's grandchild, all grandchildren, or spouse/partner of grandchild are named as a beneficiary of their whole life insurance. RwWLFINSRL indicates whether other relatives, sibling, sibling of spouse, parent, parent-in-law, father, father-in-law, mother, mother-in-law, brother, brother-in-law, sister, sister-in-law, or unknown in-law are named as a beneficiary of their whole life insurance. RwWLFINSOR indicates whether a relative besides a child or someone else is named as a beneficiary of their whole life insurance. RwWLFINSOT indicates whether someone else, other non-relatives, other, professional, other individual, organization, employee of institution, paid helper, professional, specified professional, late spouse/partner, ex-spouse/partner, or person of unknown relationship are named as a beneficiary of their whole life insurance. RwWLFINSSP, RwWLFINSCH, RwWLFINSCG, RwWLFINSKG, RwWLFINSRL, RwWLFINSOR, and RwWLFINSOT are coded as 0 if the appropriate relationship is not mentioned as a beneficiary of their whole life insurance, and coded as 1 if the appropriate relationship is mentioned as being a beneficiary of their whole life insurance.

In Wave 1, the respondent can select from spouse, children, and others, as such, RwWLFINSSP, RwWLFINSCH, and RwWLFINSOR are used this wave and RwWLFINSKG, RwWLFINSRL, RwWLFINSCG, and RwWLFINSOT are not available in this wave. In this wave, RwWLFINSOR can be any relative besides a child or someone unrelated to the respondent.

In the AHEAD cohort in Wave 2, the respondent can select from spouse/partner, child/child-in-law/grandchild, other relative, and someone else, as such, RwWLFINSSP, RwWLFINSCG, RwWLFINSRL, and RwWLFINSOT are used this wave and RwWLFINSCH and RwWLFINSKG are not available in this wave. In this wave, RwWLFINSOT includes other non-relatives. Because the HRS cohort in Wave 2 does not ask about beneficiaries, these respondents in Wave 2 are assigned special missing .q for RwWLFINSSP, RwWLFINSCG, RwWLFINSRL, and RwWLFINSOT.

In the AHEAD cohort in Wave 3, the respondent can select from spouse/partner, child/child-in-law/grandchild, other relative, someone else, and other, as such RwWLFINSSP, RwWLFINSCG, RwWLFINSRL, and RwWLFINSOT are used this wave and RwWLFINSCH, RwWLFINSKG, and RwWLFINSOR are not available in this wave. In the HRS cohort in Wave 3 and in Wave 4, the respondent is not asked about whole life insurance policies or the beneficiaries, as such in Wave 3, RwWLFINSSP, RwWLFINSCG, RwWLFINSRL, and RwWLFINSOT are assigned special missing .q if the respondent was in the HRS cohort in Wave 3. None of these variables are available in Wave 4. In Wave 3, RwWLFINSOT only includes other non-relatives.

Starting in Wave 5, the respondent can select from a list or choose any person with an OPN from the PRMC file. In these waves, RwWLFINSSP, RwWLFINSCH, RwWLFINSKG, RwWLFINSRL, and RwWLFINSOT are available, and RwWLFINSCG and RwWLFINSOR are no longer available. In these waves, RwWLFINSOT only includes other non-relatives.

In Wave 5 (CAPI versions 2-4) there was an error which only asked respondents who the beneficiaries of their whole life insurance policy were if they had given a missing value to a question of how much in total they paid in premiums for all whole life insurance policies. In these cases RwWLFINSSP, RwWLFINSCH, RwWLFINSKG, RwWLFINSRL, and RwWLFINSOT are assigned special missing .e.

In all waves, RwWLFINSSP, RwWLFINSCH, RwWLFINSKG, RwWLFINSRL, RwWLFINSOR, RwWLFINSOT, and RwWLFINSCG are assigned special missing .n if the respondent has no whole life insurance policies. Don't know, refused,

or other missing responses are assigned special missing .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwWLFINSSP, SwWLFINSCH, SwWLFINSCG, SwWLFINSRGK, SwWLFINSRL, SwWLFINSOR, and SwWLFINSOT indicate whether someone with the specified relationship is named a beneficiary of the respondent's spouse's whole life insurance policies, and their values are taken from RwWLFINSSP, RwWLFINSCH, RwWLFINSCG, RwWLFINSRGK, RwWLFINSRL, RwWLFINSOR, and RwWLFINSOT. In addition to the special missing codes used in the respondent variables, the spouse variables employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

In HRS Wave 1 and the AHEAD cohorts in Waves 2 and 3, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked whether they have any life insurance policies that build up a cash value or that you can borrow on, which are sometimes called "whole life" or "straight life", and if so, the beneficiaries of the whole life insurance policies. In HRS Wave 1, the respondent can select all that apply from a drop-down list that includes the respondent's spouse, children, and others for whole life policies. In the AHEAD cohort in Wave 2, the respondent can select all that apply from a drop-down list that includes the respondent's spouse/partner, child/child-in-law/grandchild, other relative, and someone else for whole life policies. In the AHEAD cohort in Wave 3, the respondent can select all that apply from a drop-down list that includes the respondent's spouse/partner, child/child-in-law/grandchild, other relative, someone else, and other for whole life policies.

In the HRS cohort in Wave 2, the respondent is first asked whether they have any life insurance policies, and separately about having term insurance policies and whole life insurance policies. However, the respondent is not asked who the beneficiary of these policies would be.

In the HRS cohort in Wave 3 and in Wave 4, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked for the beneficiaries of the life insurance policies. In both waves, the respondent is not asked about term versus whole life policies.

Starting in Wave 5, the respondent is first asked whether they have any life insurance policies. If they report having life insurance policies, they are then asked if any of the policies are ones that build up a cash value that you can borrow against, or that you would receive if the policy were to be cancelled, which are sometimes called "whole life" or "straight life policies", and if so, the beneficiaries of the whole life insurance policies. In Waves 5 and 6, the respondent can select all that apply from a drop-down list that includes the respondent's spouse/partner, all children, other (including churches, charitable organizations, ex-spouses and other persons), or name any person that was assigned an OPN in the PRMC file. In Wave 7, the respondent can select all that apply from a drop-down list that includes the respondent's spouse/partner, deceased child, all children, all grandchildren, siblings, other person (i.e. friend), other (including churches, charitable organizations, ex-spouses and other persons), or name any person that was assigned an OPN in the PRMC file. Starting in Wave 8, the respondent can select all that apply from the same selections as in Wave 7, without the choice of other person (i.e. friend). In Wave 5 and onward, the respondent is not asked specifically about term policies.

In Wave 5 (CAPI versions 2-4) there was an error which only asked respondents who the beneficiaries of their whole life insurance policy were if they had given a missing value to a question of how much in total they paid in premiums for all whole life insurance policies.

In Wave 5, the possible relationships in the PRMC file include: child, step/partner child, grandkid, professional, child-in-law, sibling, sibling of spouse, parent or parent-in-law, other relative, other. Starting in Wave 6, the possible relationships in the PRMC file include: spouse/partner, son, stepson, spouse/partner of daughter, daughter, stepdaughter, spouse/partner of son, grandchild, father, father of spouse/partner, mother, mother of spouse/partner, R's parents, brother, brother of spouse/partner, sister, sister of spouse/partner, other relative, other individual, organization, employee of 'institution', paid helper, professional, professional (specify), late spouse/partner, ex-spouse/partner, unlisted child or child-in-law, former step-child, former child-in-law, relationship unknown, spouse/partner of grandchild, unknown child, unknown-in-law. In Wave 8, spouse was no longer present, unknown child was replaced with ambiguous child relationship, unknown-in-law was replaced with ambiguous

child-in-law relationship, and spouse/partner relationships were replaced as relationship "in-law" (i.e. spouse/partner of daughter was replaced with son-in-law). Starting in Wave 9, both spouse/partner relationships and relationships "in-law" were specified (i.e. spouse/partner of daughter (son-in-law)). Spouse was not an option in any wave after Wave 8 except for Wave 10 when it was an option.

### HRS Variables Used:

Wave 1:

V6701	r16:r1have life insuranc
V6711	r18:r1build*cash val*pol
V6719	r18ea:r1*cv1:benfc:spous
V6720	r18eb:r1*cv1:benfc:child
V6721	r18ec:r1*cv1:benfc:other
V6723	r18ea:r1*cv2:benfc:spous
V6724	r18eb:r1*cv2:benfc:child
V6725	r18ec:r1*cv2:benfc:other

Wave 2 AHEAD:

B1884	r11. r life insurance: any
B1893	r15. r whole life ins: any
B1898A1	r16. r whole life ins: beneficiary-1
B1898A2	r16. r whole life ins: beneficiary-2

Wave 3 AHEAD:

D5279	r16.r life ins
D5297	r18.r whole life ins
D5307M1	r19.r ins benefic
D5307M2	r19.r ins benefic

Wave 3 HRS:

EN_INHH	hrs w3: # r's responding in hhold
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Wave 5:

G6409	r94.have any life insurance
G6429	r99.policies build up cash value
G6440M1	r99d.who beneficiary
G6440M2	r99d.who beneficiary
G6440M3	r99d.who beneficiary
G6440M4	r99d.who beneficiary
G6440M5	r99d.who beneficiary
G6440M6	r99d.who beneficiary

Wave 5 PR\_MC:

G11	hhmem rel to idfm - updated
G12	hhmem rel to idnfm - updated
OPN	other person number

Wave 6:

HT011	r have any life insurance
HT018	r have whole/straight life ins policies
HT029M1	who are beneficiaries of these ins -m1
HT029M2	who are beneficiaries of these ins -m2
HT029M3	who are beneficiaries of these ins -m3
HT029M4	who are beneficiaries of these ins -m4
HT029M5	who are beneficiaries of these ins -m5
HT029M6	who are beneficiaries of these ins -m6
HT029M7	who are beneficiaries of these ins -m7

Wave 6 PR\_MC:

HPN_FAM	2002 family resp person number
HPN_NFAM	2002 non-family resp person number
HX061_MC	relationship to r-updated
HX063_MC	relationship hhm to sp - updated
OPN	pn of kid/hhm/sib and their spouses

Wave 7:

JT011	r have any life insurance
JT018	r have whole/straight life ins policies
JT029M1	who are beneficiaries of these ins -m1
JT029M2	who are beneficiaries of these ins -m2
JT029M3	who are beneficiaries of these ins -m3



JT029M4 who are beneficiaries of these ins -m4  
JT029M5 who are beneficiaries of these ins -m5  
JT029M6 who are beneficiaries of these ins -m6  
JT029M7 who are beneficiaries of these ins -m7  
JT029M8 who are beneficiaries of these ins- m8  
JT029M9 who are beneficiaries of these ins -m9

Wave 7 PR\_MC:  
JPN\_FAM 2004 family resp person number  
JPN\_NFAM 2004 non-family resp person number  
JX061\_MC relationship to r-updated  
JX063\_MC relationship hhm to sp - updated  
OPN pn of kid/hhm/sib and their spouses

Wave 8:  
KT011 r have any life insurance  
KT018 r have whole/straight life ins policies  
KT029M1 who are beneficiaries of these ins -m1  
KT029M2 who are beneficiaries of these ins -m2  
KT029M3 who are beneficiaries of these ins -m3  
KT029M4 who are beneficiaries of these ins -m4  
KT029M5 who are beneficiaries of these ins -m5  
KT029M6 who are beneficiaries of these ins -m6

Wave 8 PR\_MC:  
KPN\_FAM 2006 family resp person number  
KPN\_NFAM 2006 non-family resp person number  
KX061\_MC relationship to r-updated  
KX063\_MC relationship hhm to sp - updated  
OPN pn of kid/hhm/sib and their spouses

Wave 9:  
LT011 r have any life insurance  
LT018 r have whole/straight life ins policies  
LT029M1 who are beneficiaries of these ins -m1  
LT029M2 who are beneficiaries of these ins -m2  
LT029M3 who are beneficiaries of these ins -m3  
LT029M4 who are beneficiaries of these ins -m4  
LT029M5 who are beneficiaries of these ins -m5  
LT029M6 who are beneficiaries of these ins -m6  
LT029M7 who are beneficiaries of these ins -7

Wave 9 PR\_MC:  
LPN\_FAM 2008 family resp person number  
LPN\_NFAM 2008 non-family resp person number  
LX061\_MC relationship to r-updated  
LX063\_MC relationship hhm to sp - updated  
OPN pn of kid/hhm/sib and their spouses

Wave 10:  
MT011 r have any life insurance  
MT018 r have whole/straight life ins policies  
MT029M1 who are beneficiaries of these ins - 1  
MT029M10 who are beneficiaries of these ins - 10  
MT029M2 who are beneficiaries of these ins - 2  
MT029M3 who are beneficiaries of these ins - 3  
MT029M4 who are beneficiaries of these ins - 4  
MT029M5 who are beneficiaries of these ins - 5  
MT029M6 who are beneficiaries of these ins - 6  
MT029M7 who are beneficiaries of these ins - 7  
MT029M8 who are beneficiaries of these ins - 8  
MT029M9 who are beneficiaries of these ins - 9

Wave 10 PR\_MC:  
MPN\_FAM 2010 family resp person number  
MPN\_NFAM 2010 non-family resp person number  
MX061\_MC relationship to r-updated  
MX063\_MC relationship hhm to sp - updated  
OPN pn of kid/hhm/sib and their spouses

Wave 11:

NT011 r have any life insurance  
NT018 r have whole/straight life ins policies  
NT029M1 who are beneficiaries of these ins - 1  
NT029M10 who are beneficiaries of these ins - 10  
NT029M2 who are beneficiaries of these ins - 2  
NT029M3 who are beneficiaries of these ins - 3  
NT029M4 who are beneficiaries of these ins - 4  
NT029M5 who are beneficiaries of these ins - 5  
NT029M6 who are beneficiaries of these ins - 6  
NT029M7 who are beneficiaries of these ins - 7  
NT029M8 who are beneficiaries of these ins - 8  
NT029M9 who are beneficiaries of these ins - 9

Wave 11 PR\_MC:  
NPN\_FAM 2012 family resp person number  
NPN\_NFAM 2012 non-family resp person number  
NX061\_MC relationship to r-updated  
NX063\_MC relationship hhm to sp - updated  
OPN pn of kid/hhm/sib and their spouses

Wave 12:  
OT011 r have any life insurance  
OT018 r have whole/straight life ins policies  
OT029M1 who are beneficiaries of these ins - 1  
OT029M2 who are beneficiaries of these ins - 2  
OT029M3 who are beneficiaries of these ins - 3  
OT029M4 who are beneficiaries of these ins - 4  
OT029M5 who are beneficiaries of these ins - 5  
OT029M6 who are beneficiaries of these ins - 6  
OT029M7 who are beneficiaries of these ins - 7

Wave 12 PR\_MC:  
OPN pn of kid/hhm/sib and their spouses  
OPN\_FAM 2014 family resp person number  
OPN\_NFAM 2014 non-family resp person number  
OX061\_MC relationship to r-updated  
OX063\_MC relationship hhm to sp - updated

Wave 13:  
PT011 r have any life insurance  
PT018 r have whole/straight life ins policies  
PT029M1 who are beneficiaries of these ins - 1  
PT029M10 who are beneficiaries of these ins - 10  
PT029M2 who are beneficiaries of these ins - 2  
PT029M3 who are beneficiaries of these ins - 3  
PT029M4 who are beneficiaries of these ins - 4  
PT029M5 who are beneficiaries of these ins - 5  
PT029M6 who are beneficiaries of these ins - 6  
PT029M7 who are beneficiaries of these ins - 7  
PT029M8 who are beneficiaries of these ins - 8  
PT029M9 who are beneficiaries of these ins - 9

Wave 13 PR\_MC:  
OPN pn of kid/hhm/sib and their spouses  
PPN\_FAM 2016 family resp person number  
PPN\_NFAM 2016 non-family resp person number  
PX061\_MC relationship to r-updated  
PX063\_MC relationship hhm to sp - updated

Wave 14:  
QT011 r have any life insurance  
QT018 r have whole/straight life ins policies  
QT029M1 who are beneficiaries of these ins - 1  
QT029M2 who are beneficiaries of these ins - 2  
QT029M3 who are beneficiaries of these ins - 3  
QT029M4 who are beneficiaries of these ins - 4  
QT029M5 who are beneficiaries of these ins - 5  
QT029M6 who are beneficiaries of these ins - 6  
QT029M7 who are beneficiaries of these ins - 7

QT029M8            who are beneficiaries of these ins - 8  
Wave 14 PR\_MC:  
  OPN                PN OF KID/HHM/SIB AND THEIR SPOUSES  
  QPN\_FAM            2018 FAMILY RESP PERSON NUMBER  
  QPN\_NFAM           2018 NON-FAMILY RESP PERSON NUMBER  
  QX061\_MC           RELATIONSHIP TO R-UPDATED  
  QX063\_MC           RELATIONSHIP HHM TO SP - UPDATED  
Wave 15:  
  RT011             r have any life insurance  
  RT018             r have whole/straight life ins policies  
  RT029M1           who are beneficiaries of these ins - 1  
  RT029M2           who are beneficiaries of these ins - 2  
  RT029M3           who are beneficiaries of these ins - 3  
  RT029M4           who are beneficiaries of these ins - 4  
  RT029M5           who are beneficiaries of these ins - 5  
  RT029M6           who are beneficiaries of these ins - 6  
  RT029M7           who are beneficiaries of these ins - 7  
Wave 15 PR\_MC:  
  OPN                PN OF KID/HHM/SIB AND THEIR SPOUSES  
  RPN\_FAM            2020 FAMILY RESP PERSON NUMBER  
  RPN\_NFAM           2020 NON-FAMILY RESP PERSON NUMBER  
  RX061\_MC           RELATIONSHIP TO R-UPDATED  
  RX063\_MC           RELATIONSHIP HHM TO SP - UPDATED

<b>Life Insurance: Change in Policies between Waves</b>
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Wave	Variable	Label	Type
03	R3LIFEINN	r3lifeinn:w3 r new life insurance since last wave	Categ
04	R4LIFEINN	r4lifeinn:w4 r new life insurance since last wave	Categ
05	R5LIFEINN	r5lifeinn:w5 r new life insurance since last wave	Categ
06	R6LIFEINN	r6lifeinn:w6 r new life insurance since last wave	Categ
07	R7LIFEINN	r7lifeinn:w7 r new life insurance since last wave	Categ
08	R8LIFEINN	r8lifeinn:w8 r new life insurance since last wave	Categ
09	R9LIFEINN	r9lifeinn:w9 r new life insurance since last wave	Categ
10	R10LIFEINN	r10lifeinn:w10 r new life insurance since last wave	Categ
11	R11LIFEINN	r11lifeinn:w11 r new life insurance since last wave	Categ
12	R12LIFEINN	r12lifeinn:w12 r new life insurance since last wave	Categ
13	R13LIFEINN	r13lifeinn:w13 r new life insurance since last wave	Categ
14	R14LIFEINN	r14lifeinn:w14 r new life insurance since last wave	Categ
15	R15LIFEINN	r15lifeinn:w15 r new life insurance since last wave	Categ
03	S3LIFEINN	s3lifeinn:w3 s new life insurance since last wave	Categ
04	S4LIFEINN	s4lifeinn:w4 s new life insurance since last wave	Categ
05	S5LIFEINN	s5lifeinn:w5 s new life insurance since last wave	Categ
06	S6LIFEINN	s6lifeinn:w6 s new life insurance since last wave	Categ
07	S7LIFEINN	s7lifeinn:w7 s new life insurance since last wave	Categ
08	S8LIFEINN	s8lifeinn:w8 s new life insurance since last wave	Categ
09	S9LIFEINN	s9lifeinn:w9 s new life insurance since last wave	Categ
10	S10LIFEINN	s10lifeinn:w10 s new life insurance since last wave	Categ
11	S11LIFEINN	s11lifeinn:w11 s new life insurance since last wave	Categ
12	S12LIFEINN	s12lifeinn:w12 s new life insurance since last wave	Categ
13	S13LIFEINN	s13lifeinn:w13 s new life insurance since last wave	Categ
14	S14LIFEINN	s14lifeinn:w14 s new life insurance since last wave	Categ
15	S15LIFEINN	s15lifeinn:w15 s new life insurance since last wave	Categ
03	R3LIFEINL	r3lifeinl:w3 r lapsed life insurance since last wave	Categ
04	R4LIFEINL	r4lifeinl:w4 r lapsed life insurance since last wave	Categ
05	R5LIFEINL	r5lifeinl:w5 r lapsed life insurance since last wave	Categ
06	R6LIFEINL	r6lifeinl:w6 r lapsed life insurance since last wave	Categ
07	R7LIFEINL	r7lifeinl:w7 r lapsed life insurance since last wave	Categ
08	R8LIFEINL	r8lifeinl:w8 r lapsed life insurance since last wave	Categ
09	R9LIFEINL	r9lifeinl:w9 r lapsed life insurance since last wave	Categ
10	R10LIFEINL	r10lifeinl:w10 r lapsed life insurance since last wave	Categ
11	R11LIFEINL	r11lifeinl:w11 r lapsed life insurance since last wave	Categ
12	R12LIFEINL	r12lifeinl:w12 r lapsed life insurance since last wave	Categ
13	R13LIFEINL	r13lifeinl:w13 r lapsed life insurance since last wave	Categ
14	R14LIFEINL	r14lifeinl:w14 r lapsed life insurance since last wave	Categ
15	R15LIFEINL	r15lifeinl:w15 r lapsed life insurance since last wave	Categ
03	S3LIFEINL	s3lifeinl:w3 s lapsed life insurance since last wave	Categ
04	S4LIFEINL	s4lifeinl:w4 s lapsed life insurance since last wave	Categ
05	S5LIFEINL	s5lifeinl:w5 s lapsed life insurance since last wave	Categ
06	S6LIFEINL	s6lifeinl:w6 s lapsed life insurance since last wave	Categ
07	S7LIFEINL	s7lifeinl:w7 s lapsed life insurance since last wave	Categ
08	S8LIFEINL	s8lifeinl:w8 s lapsed life insurance since last wave	Categ
09	S9LIFEINL	s9lifeinl:w9 s lapsed life insurance since last wave	Categ
10	S10LIFEINL	s10lifeinl:w10 s lapsed life insurance since last wave	Categ
11	S11LIFEINL	s11lifeinl:w11 s lapsed life insurance since last wave	Categ
12	S12LIFEINL	s12lifeinl:w12 s lapsed life insurance since last wave	Categ
13	S13LIFEINL	s13lifeinl:w13 s lapsed life insurance since last wave	Categ
14	S14LIFEINL	s14lifeinl:w14 s lapsed life insurance since last wave	Categ
15	S15LIFEINL	s15lifeinl:w15 s lapsed life insurance since last wave	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R3LIFEINN	10686	0.06	0.23	0.00	1.00
R4LIFEINN	17637	0.03	0.17	0.00	1.00
R5LIFEINN	19298	0.03	0.17	0.00	1.00
R6LIFEINN	17861	0.03	0.16	0.00	1.00
R7LIFEINN	19830	0.03	0.18	0.00	1.00
R8LIFEINN	18202	0.03	0.17	0.00	1.00
R9LIFEINN	16941	0.02	0.16	0.00	1.00
R10LIFEINN	21423	0.03	0.18	0.00	1.00
R11LIFEINN	20206	0.03	0.17	0.00	1.00
R12LIFEINN	18400	0.03	0.17	0.00	1.00
R13LIFEINN	20455	0.03	0.18	0.00	1.00
R14LIFEINN	16771	0.03	0.17	0.00	1.00
R15LIFEINN	15290	0.03	0.17	0.00	1.00
S3LIFEINN	8110	0.06	0.24	0.00	1.00
S4LIFEINN	11361	0.03	0.18	0.00	1.00
S5LIFEINN	12586	0.03	0.17	0.00	1.00
S6LIFEINN	11482	0.03	0.17	0.00	1.00
S7LIFEINN	12806	0.04	0.20	0.00	1.00
S8LIFEINN	11589	0.03	0.18	0.00	1.00
S9LIFEINN	10508	0.03	0.16	0.00	1.00
S10LIFEINN	13192	0.04	0.19	0.00	1.00
S11LIFEINN	12304	0.03	0.17	0.00	1.00
S12LIFEINN	10861	0.03	0.18	0.00	1.00
S13LIFEINN	11589	0.04	0.19	0.00	1.00
S14LIFEINN	9205	0.03	0.17	0.00	1.00
S15LIFEINN	8287	0.03	0.17	0.00	1.00
R3LIFEINL	7954	0.04	0.19	0.00	1.00
R4LIFEINL	11153	0.03	0.17	0.00	1.00
R5LIFEINL	19418	0.03	0.18	0.00	1.00
R6LIFEINL	17980	0.03	0.17	0.00	1.00
R7LIFEINL	19938	0.04	0.19	0.00	1.00
R8LIFEINL	18301	0.04	0.19	0.00	1.00
R9LIFEINL	17036	0.04	0.20	0.00	1.00
R10LIFEINL	21525	0.06	0.23	0.00	1.00
R11LIFEINL	20302	0.05	0.22	0.00	1.00
R12LIFEINL	18524	0.05	0.22	0.00	1.00
R13LIFEINL	20566	0.06	0.23	0.00	1.00
R14LIFEINL	16853	0.05	0.23	0.00	1.00
R15LIFEINL	15347	0.05	0.23	0.00	1.00
S3LIFEINL	6256	0.04	0.19	0.00	1.00
S4LIFEINL	7754	0.03	0.18	0.00	1.00
S5LIFEINL	12661	0.03	0.18	0.00	1.00
S6LIFEINL	11541	0.03	0.18	0.00	1.00
S7LIFEINL	12888	0.04	0.19	0.00	1.00
S8LIFEINL	11640	0.04	0.20	0.00	1.00
S9LIFEINL	10550	0.04	0.20	0.00	1.00
S10LIFEINL	13253	0.06	0.23	0.00	1.00
S11LIFEINL	12361	0.05	0.22	0.00	1.00
S12LIFEINL	10927	0.05	0.22	0.00	1.00
S13LIFEINL	11641	0.06	0.23	0.00	1.00
S14LIFEINL	9241	0.06	0.23	0.00	1.00
S15LIFEINL	8319	0.06	0.23	0.00	1.00

**Categorical Variable Codes**

Value-----			R3LIFEINN	R4LIFEINN	R5LIFEINN
.d:DK			34	115	143
.i:new interview				3552	
.m:Missing			211	33	49
.q:not available this wave			7027		
.r:Refuse			33	47	88
0.no			10069	17092	18753
1.yes			617	545	545
Value-----	R6LIFEINN	R7LIFEINN	R8LIFEINN	R9LIFEINN	R10LIFEINN
.d:DK	171	156	149	160	187
.m:Missing	18	37	22	23	279
.r:Refuse	115	106	96	93	145
0.no	17380	19147	17668	16520	20698
1.yes	481	683	534	421	725
Value-----	R11LIFEINN	R12LIFEINN	R13LIFEINN	R14LIFEINN	R15LIFEINN
.d:DK	144	148	142	129	149
.m:Missing	61	63	139	122	171
.r:Refuse	143	136	176	124	113
0.no	19628	17826	19749	16277	14856
1.yes	578	574	706	494	434
Value-----			S3LIFEINN	S4LIFEINN	S5LIFEINN
.d:DK			26	56	82
.i:new interview				2531	
.m:Missing			155	6	10
.q:not available this wave			3610		
.r:Refuse			15	24	52
.u:not coupled			5659	6870	6537
.v:SP NR			416	536	311
0.no			7628	10966	12191
1.yes			482	395	395
Value-----	S6LIFEINN	S7LIFEINN	S8LIFEINN	S9LIFEINN	S10LIFEINN
.d:DK	83	88	86	78	92
.m:Missing	6	12	5	5	150
.r:Refuse	61	62	48	49	74
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11131	12297	11203	10221	12691
1.yes	351	509	386	287	501
Value-----	S11LIFEINN	S12LIFEINN	S13LIFEINN	S14LIFEINN	S15LIFEINN
.d:DK	83	72	63	68	86
.m:Missing	15	18	39	36	34
.r:Refuse	74	61	87	49	59
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11915	10489	11150	8917	8030
1.yes	389	372	439	288	257
Value-----			R3LIFEINL	R4LIFEINL	R5LIFEINL
.d:DK			31	104	66
.i:new interview				3552	
.l:no life insurance			2737	6496	
.m:Missing			212	33	50
.q:not available this wave			7027		
.r:Refuse			30	46	44
0.no			7657	10820	18794
1.yes			297	333	624
Value-----	R6LIFEINL	R7LIFEINL	R8LIFEINL	R9LIFEINL	R10LIFEINL
.d:DK	100	98	89	94	135
.m:Missing	18	37	22	23	279
.r:Refuse	67	56	57	64	95
0.no	17415	19194	17598	16340	20265
1.yes	565	744	703	696	1260
Value-----	R11LIFEINL	R12LIFEINL	R13LIFEINL	R14LIFEINL	R15LIFEINL
.d:DK	93	75	92	85	120
.m:Missing	61	63	139	122	170
.r:Refuse	98	85	115	86	86
0.no	19252	17545	19403	15938	14516
1.yes	1050	979	1163	915	831

Value-----	S3LIFEINL	S4LIFEINL	S5LIFEINL
.d:DK	22	45	35
.i:new interview		2531	
.l:no life insurance	1859	3618	
.m:Missing	155	6	11
.q:not available this wave	3610		
.r:Refuse	14	24	23
.u:not coupled	5659	6870	6537
.v:SP NR	416	536	311
0.no	6027	7503	12250
1.yes	229	251	411

Value-----	S6LIFEINL	S7LIFEINL	S8LIFEINL	S9LIFEINL	S10LIFEINL
.d:DK	50	38	56	49	56
.m:Missing	6	12	5	5	150
.r:Refuse	35	30	27	36	49
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	11166	12389	11176	10104	12482
1.yes	375	499	464	446	771

Value-----	S11LIFEINL	S12LIFEINL	S13LIFEINL	S14LIFEINL	S15LIFEINL
.d:DK	51	32	43	44	63
.m:Missing	15	18	39	36	33
.r:Refuse	49	35	55	37	51
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11733	10359	10990	8714	7844
1.yes	628	568	651	527	475

### How Constructed:

RwLIFEINN indicates whether the respondent obtained new life insurance since the previous wave or in the last 2 years. RwLIFEINN is coded as 0 if the respondent did not obtain new life insurance since the previous wave or had no life insurance in the current wave. RwLIFEINN is coded as 1 if the respondent did obtain new life insurance since the previous wave. This question is asked starting in the HRS cohort in Wave 3. In Wave 3, if the respondent was part of the AHEAD cohort, then RwLIFEINN is assigned special missing .q. This question is not asked in Wave 4 if the respondent had not been previously interviewed, in which case RwLIFEINN is assigned special missing .i. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwLIFEINN is set to plain missing (.) for respondents who did not participate in the current wave.

SwLIFEINN indicates whether the respondent's spouse obtained new life insurance since the previous wave or in the last 2 years, and its values are taken from RwLIFEINN. In addition to the special missing codes used in RwLIFEINN, SwLIFEINN employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLIFEINL indicates whether the respondent had any life insurance lapse since the previous wave or in the last 2 years. RwLIFEINL is coded as 0 if the respondent did not have any life insurance lapse since the previous wave. RwLIFEINL is coded as 1 if the respondent did have some life insurance lapse since the previous wave. This question is asked starting in the HRS cohort in Wave 3. In Wave 3, if the respondent was part of the AHEAD cohort, then RwLIFEINL is assigned special missing .q. This question is not asked in the HRS cohort in Wave 3 and in Wave 4 if the respondent had no life insurance in the current wave, in which case RwLIFEINL is assigned special missing .l. This question is not asked in Wave 4 if the respondent had not been previously interviewed, in which case RwLIFEINL is assigned special missing .i. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwLIFEINL is set to plain missing (.) for respondents who did not participate in the current wave.

SwLIFEINL indicates whether the respondent's spouse had any life insurance lapse since the previous wave or in the last 2 years, and its values are taken from RwLIFEINL. In addition to the special missing codes used in RwLIFEINL, SwLIFEINL employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

No questions about new or lapsed life insurance are asked prior to the HRS cohort in Wave 3.

Respondents in the HRS cohort in Wave 3 and onward are asked if they obtained any new life insurance policies since the previous wave if they reported having life insurance in the current wave. Only in Wave 4, new respondents who had not been previously interviewed are not asked this question.

Respondents in the HRS cohort in Wave 3 and onward are asked if they allowed any life insurance policies to lapse or if any have been cancelled since the previous wave. Only in the HRS cohort in Wave 3 and in Wave 4, respondents are not asked this question if they reported having no life insurance in the current wave. Only in HRS Wave 4, new respondents who had not been previously interviewed are not asked this question.

## HRS Variables Used:

Wave 3 AHEAD:  
 DN\_INHH dn\_inhh: # r's responding in hhold

Wave 3 HRS:  
 E5284 r94.have any life insurance  
 E5294 r100. obtained more life ins  
 E5301 r101. let policy lapse

Wave 4:  
 F463 preload reinterview hh  
 F6015 r94.have any life insurance  
 F6027 r100.obtained more  
 F6033 r101.obtained more

Wave 5:  
 G6409 r94.have any life insurance  
 G6441 r100.obtained more lf ins  
 G6447 r101.let lf ins lapse

Wave 6:  
 HT011 r have any life insurance  
 HT031 last wave obtain new life insurance  
 HT036 r life ins policy lapse since last wave

Wave 7:  
 JT011 r have any life insurance  
 JT031 last wave obtain new life insurance  
 JT036 r life ins policy lapse since last wave

Wave 8:  
 KT011 r have any life insurance  
 KT031 last wave obtain new life insurance  
 KT036 r life ins policy lapse since last wave

Wave 9:  
 LT011 r have any life insurance  
 LT031 last wave obtain new life insurance  
 LT036 r life ins policy lapse since last wave

Wave 10:  
 MT011 r have any life insurance  
 MT031 last wave obtain new life insurance  
 MT036 r life ins policy lapse since last wave

Wave 11:  
 NT011 r have any life insurance  
 NT031 last wave obtain new life insurance  
 NT036 r life ins policy lapse since last wave

Wave 12:  
 OT011 r have any life insurance  
 OT031 last wave obtain new life insurance  
 OT036 r life ins policy lapse since last wave

Wave 13:  
 PT011 r have any life insurance  
 PT031 last wave obtain new life insurance



PT036            r life ins policy lapse since last wave  
Wave 14:  
  QT011        r have any life insurance  
  QT031        last wave obtain new life insurance  
  QT036        r life ins policy lapse since last wave  
Wave 15:  
  RT011        r have any life insurance  
  RT031        last wave obtain new life insurance  
  RT036        r life ins policy lapse since last wave

## **Section Q: Psychosocial**

<b>CIDI Major Depressive Episode</b>
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Wave	Variable	Label	Type
03	R3CIDIDEP	r3cididep:w3 r CIDI depression stem symptom score (0-7)	Cont
04	R4CIDIDEP	r4cididep:w4 r CIDI depression stem symptom score (0-7)	Cont
05	R5CIDIDEP	r5cididep:w5 r CIDI depression stem symptom score (0-7)	Cont
06	R6CIDIDEP	r6cididep:w6 r CIDI depression stem symptom score (0-7)	Cont
07	R7CIDIDEP	r7cididep:w7 r CIDI depression stem symptom score (0-7)	Cont
08	R8CIDIDEP	r8cididep:w8 r CIDI depression stem symptom score (0-7)	Cont
09	R9CIDIDEP	r9cididep:w9 r CIDI depression stem symptom score (0-7)	Cont
10	R10CIDIDEP	r10cididep:w10 r CIDI depression stem symptom score (0-7)	Cont
11	R11CIDIDEP	r11cididep:w11 r CIDI depression stem symptom score (0-7)	Cont
12	R12CIDIDEP	r12cididep:w12 r CIDI depression stem symptom score (0-7)	Cont
13	R13CIDIDEP	r13cididep:w13 r CIDI depression stem symptom score (0-7)	Cont
14	R14CIDIDEP	r14cididep:w14 r CIDI depression stem symptom score (0-7)	Cont
15	R15CIDIDEP	r15cididep:w15 r CIDI depression stem symptom score (0-7)	Cont
03	S3CIDIDEP	s3cididep:w3 s CIDI depression stem symptom score (0-7)	Cont
04	S4CIDIDEP	s4cididep:w4 s CIDI depression stem symptom score (0-7)	Cont
05	S5CIDIDEP	s5cididep:w5 s CIDI depression stem symptom score (0-7)	Cont
06	S6CIDIDEP	s6cididep:w6 s CIDI depression stem symptom score (0-7)	Cont
07	S7CIDIDEP	s7cididep:w7 s CIDI depression stem symptom score (0-7)	Cont
08	S8CIDIDEP	s8cididep:w8 s CIDI depression stem symptom score (0-7)	Cont
09	S9CIDIDEP	s9cididep:w9 s CIDI depression stem symptom score (0-7)	Cont
10	S10CIDIDEP	s10cididep:w10 s CIDI depression stem symptom score (0-7)	Cont
11	S11CIDIDEP	s11cididep:w11 s CIDI depression stem symptom score (0-7)	Cont
12	S12CIDIDEP	s12cididep:w12 s CIDI depression stem symptom score (0-7)	Cont
13	S13CIDIDEP	s13cididep:w13 s CIDI depression stem symptom score (0-7)	Cont
14	S14CIDIDEP	s14cididep:w14 s CIDI depression stem symptom score (0-7)	Cont
15	S15CIDIDEP	s15cididep:w15 s CIDI depression stem symptom score (0-7)	Cont
03	R3CIDIDEPM	r3cididepm:w3 r CIDI depression stem symptom missings	Cont
04	R4CIDIDEPM	r4cididepm:w4 r CIDI depression stem symptom missings	Cont
05	R5CIDIDEPM	r5cididepm:w5 r CIDI depression stem symptom missings	Cont
06	R6CIDIDEPM	r6cididepm:w6 r CIDI depression stem symptom missings	Cont
07	R7CIDIDEPM	r7cididepm:w7 r CIDI depression stem symptom missings	Cont
08	R8CIDIDEPM	r8cididepm:w8 r CIDI depression stem symptom missings	Cont
09	R9CIDIDEPM	r9cididepm:w9 r CIDI depression stem symptom missings	Cont
10	R10CIDIDEPM	r10cididepm:w10 r CIDI depression stem symptom missings	Cont
11	R11CIDIDEPM	r11cididepm:w11 r CIDI depression stem symptom missings	Cont
12	R12CIDIDEPM	r12cididepm:w12 r CIDI depression stem symptom missings	Cont
13	R13CIDIDEPM	r13cididepm:w13 r CIDI depression stem symptom missings	Cont
14	R14CIDIDEPM	r14cididepm:w14 r CIDI depression stem symptom missings	Cont
15	R15CIDIDEPM	r15cididepm:w15 r CIDI depression stem symptom missings	Cont
03	S3CIDIDEPM	s3cididepm:w3 s CIDI depression stem symptom missings	Cont
04	S4CIDIDEPM	s4cididepm:w4 s CIDI depression stem symptom missings	Cont
05	S5CIDIDEPM	s5cididepm:w5 s CIDI depression stem symptom missings	Cont
06	S6CIDIDEPM	s6cididepm:w6 s CIDI depression stem symptom missings	Cont
07	S7CIDIDEPM	s7cididepm:w7 s CIDI depression stem symptom missings	Cont
08	S8CIDIDEPM	s8cididepm:w8 s CIDI depression stem symptom missings	Cont
09	S9CIDIDEPM	s9cididepm:w9 s CIDI depression stem symptom missings	Cont
10	S10CIDIDEPM	s10cididepm:w10 s CIDI depression stem symptom missings	Cont
11	S11CIDIDEPM	s11cididepm:w11 s CIDI depression stem symptom missings	Cont
12	S12CIDIDEPM	s12cididepm:w12 s CIDI depression stem symptom missings	Cont
13	S13CIDIDEPM	s13cididepm:w13 s CIDI depression stem symptom missings	Cont
14	S14CIDIDEPM	s14cididepm:w14 s CIDI depression stem symptom missings	Cont
15	S15CIDIDEPM	s15cididepm:w15 s CIDI depression stem symptom missings	Cont
03	R3CIDIANH	r3cidianh:w3 r CIDI anhedonia stem symptom score (0-7)	Cont

04	R4CIDIANH	r4cidianh:w4	r	CIDI anhedonia stem symptom score (0-7)	Cont
05	R5CIDIANH	r5cidianh:w5	r	CIDI anhedonia stem symptom score (0-7)	Cont
06	R6CIDIANH	r6cidianh:w6	r	CIDI anhedonia stem symptom score (0-7)	Cont
07	R7CIDIANH	r7cidianh:w7	r	CIDI anhedonia stem symptom score (0-7)	Cont
08	R8CIDIANH	r8cidianh:w8	r	CIDI anhedonia stem symptom score (0-7)	Cont
09	R9CIDIANH	r9cidianh:w9	r	CIDI anhedonia stem symptom score (0-7)	Cont
10	R10CIDIANH	r10cidianh:w10	r	CIDI anhedonia stem symptom score (0-7)	Cont
11	R11CIDIANH	r11cidianh:w11	r	CIDI anhedonia stem symptom score (0-7)	Cont
12	R12CIDIANH	r12cidianh:w12	r	CIDI anhedonia stem symptom score (0-7)	Cont
13	R13CIDIANH	r13cidianh:w13	r	CIDI anhedonia stem symptom score (0-7)	Cont
14	R14CIDIANH	r14cidianh:w14	r	CIDI anhedonia stem symptom score (0-7)	Cont
15	R15CIDIANH	r15cidianh:w15	r	CIDI anhedonia stem symptom score (0-7)	Cont
03	S3CIDIANH	s3cidianh:w3	s	CIDI anhedonia stem symptom score (0-7)	Cont
04	S4CIDIANH	s4cidianh:w4	s	CIDI anhedonia stem symptom score (0-7)	Cont
05	S5CIDIANH	s5cidianh:w5	s	CIDI anhedonia stem symptom score (0-7)	Cont
06	S6CIDIANH	s6cidianh:w6	s	CIDI anhedonia stem symptom score (0-7)	Cont
07	S7CIDIANH	s7cidianh:w7	s	CIDI anhedonia stem symptom score (0-7)	Cont
08	S8CIDIANH	s8cidianh:w8	s	CIDI anhedonia stem symptom score (0-7)	Cont
09	S9CIDIANH	s9cidianh:w9	s	CIDI anhedonia stem symptom score (0-7)	Cont
10	S10CIDIANH	s10cidianh:w10	s	CIDI anhedonia stem symptom score (0-7)	Cont
11	S11CIDIANH	s11cidianh:w11	s	CIDI anhedonia stem symptom score (0-7)	Cont
12	S12CIDIANH	s12cidianh:w12	s	CIDI anhedonia stem symptom score (0-7)	Cont
13	S13CIDIANH	s13cidianh:w13	s	CIDI anhedonia stem symptom score (0-7)	Cont
14	S14CIDIANH	s14cidianh:w14	s	CIDI anhedonia stem symptom score (0-7)	Cont
15	S15CIDIANH	s15cidianh:w15	s	CIDI anhedonia stem symptom score (0-7)	Cont
03	R3CIDIANHM	r3cidianhm:w3	r	CIDI depression stem symptom missings	Cont
04	R4CIDIANHM	r4cidianhm:w4	r	CIDI depression stem symptom missings	Cont
05	R5CIDIANHM	r5cidianhm:w5	r	CIDI depression stem symptom missings	Cont
06	R6CIDIANHM	r6cidianhm:w6	r	CIDI depression stem symptom missings	Cont
07	R7CIDIANHM	r7cidianhm:w7	r	CIDI depression stem symptom missings	Cont
08	R8CIDIANHM	r8cidianhm:w8	r	CIDI depression stem symptom missings	Cont
09	R9CIDIANHM	r9cidianhm:w9	r	CIDI depression stem symptom missings	Cont
10	R10CIDIANHM	r10cidianhm:w10	r	CIDI depression stem symptom missings	Cont
11	R11CIDIANHM	r11cidianhm:w11	r	CIDI depression stem symptom missings	Cont
12	R12CIDIANHM	r12cidianhm:w12	r	CIDI depression stem symptom missings	Cont
13	R13CIDIANHM	r13cidianhm:w13	r	CIDI depression stem symptom missings	Cont
14	R14CIDIANHM	r14cidianhm:w14	r	CIDI depression stem symptom missings	Cont
15	R15CIDIANHM	r15cidianhm:w15	r	CIDI depression stem symptom missings	Cont
03	S3CIDIANHM	s3cidianhm:w3	s	CIDI depression stem symptom missings	Cont
04	S4CIDIANHM	s4cidianhm:w4	s	CIDI depression stem symptom missings	Cont
05	S5CIDIANHM	s5cidianhm:w5	s	CIDI depression stem symptom missings	Cont
06	S6CIDIANHM	s6cidianhm:w6	s	CIDI depression stem symptom missings	Cont
07	S7CIDIANHM	s7cidianhm:w7	s	CIDI depression stem symptom missings	Cont
08	S8CIDIANHM	s8cidianhm:w8	s	CIDI depression stem symptom missings	Cont
09	S9CIDIANHM	s9cidianhm:w9	s	CIDI depression stem symptom missings	Cont
10	S10CIDIANHM	s10cidianhm:w10	s	CIDI depression stem symptom missings	Cont
11	S11CIDIANHM	s11cidianhm:w11	s	CIDI depression stem symptom missings	Cont
12	S12CIDIANHM	s12cidianhm:w12	s	CIDI depression stem symptom missings	Cont
13	S13CIDIANHM	s13cidianhm:w13	s	CIDI depression stem symptom missings	Cont
14	S14CIDIANHM	s14cidianhm:w14	s	CIDI depression stem symptom missings	Cont
15	S15CIDIANHM	s15cidianhm:w15	s	CIDI depression stem symptom missings	Cont
03	R3CIDISYMP	r3cidisymp:w3	r	CIDI total symptom score	Cont
04	R4CIDISYMP	r4cidisymp:w4	r	CIDI total symptom score	Cont
05	R5CIDISYMP	r5cidisymp:w5	r	CIDI total symptom score	Cont
06	R6CIDISYMP	r6cidisymp:w6	r	CIDI total symptom score	Cont
07	R7CIDISYMP	r7cidisymp:w7	r	CIDI total symptom score	Cont
08	R8CIDISYMP	r8cidisymp:w8	r	CIDI total symptom score	Cont
09	R9CIDISYMP	r9cidisymp:w9	r	CIDI total symptom score	Cont
10	R10CIDISYMP	r10cidisymp:w10	r	CIDI total symptom score	Cont

11	R11CIDISYMP	r11cidisymp:w11	r	CIDI total symptom score	Cont
12	R12CIDISYMP	r12cidisymp:w12	r	CIDI total symptom score	Cont
13	R13CIDISYMP	r13cidisymp:w13	r	CIDI total symptom score	Cont
14	R14CIDISYMP	r14cidisymp:w14	r	CIDI total symptom score	Cont
15	R15CIDISYMP	r15cidisymp:w15	r	CIDI total symptom score	Cont
03	S3CIDISYMP	s3cidisymp:w3	s	CIDI total symptom score	Cont
04	S4CIDISYMP	s4cidisymp:w4	s	CIDI total symptom score	Cont
05	S5CIDISYMP	s5cidisymp:w5	s	CIDI total symptom score	Cont
06	S6CIDISYMP	s6cidisymp:w6	s	CIDI total symptom score	Cont
07	S7CIDISYMP	s7cidisymp:w7	s	CIDI total symptom score	Cont
08	S8CIDISYMP	s8cidisymp:w8	s	CIDI total symptom score	Cont
09	S9CIDISYMP	s9cidisymp:w9	s	CIDI total symptom score	Cont
10	S10CIDISYMP	s10cidisymp:w10	s	CIDI total symptom score	Cont
11	S11CIDISYMP	s11cidisymp:w11	s	CIDI total symptom score	Cont
12	S12CIDISYMP	s12cidisymp:w12	s	CIDI total symptom score	Cont
13	S13CIDISYMP	s13cidisymp:w13	s	CIDI total symptom score	Cont
14	S14CIDISYMP	s14cidisymp:w14	s	CIDI total symptom score	Cont
15	S15CIDISYMP	s15cidisymp:w15	s	CIDI total symptom score	Cont
03	R3CIDISYMPM	r3cidisympm:w3	r	CIDI total symptom missings	Cont
04	R4CIDISYMPM	r4cidisympm:w4	r	CIDI total symptom missings	Cont
05	R5CIDISYMPM	r5cidisympm:w5	r	CIDI total symptom missings	Cont
06	R6CIDISYMPM	r6cidisympm:w6	r	CIDI total symptom missings	Cont
07	R7CIDISYMPM	r7cidisympm:w7	r	CIDI total symptom missings	Cont
08	R8CIDISYMPM	r8cidisympm:w8	r	CIDI total symptom missings	Cont
09	R9CIDISYMPM	r9cidisympm:w9	r	CIDI total symptom missings	Cont
10	R10CIDISYMPM	r10cidisympm:w10	r	CIDI total symptom missings	Cont
11	R11CIDISYMPM	r11cidisympm:w11	r	CIDI total symptom missings	Cont
12	R12CIDISYMPM	r12cidisympm:w12	r	CIDI total symptom missings	Cont
13	R13CIDISYMPM	r13cidisympm:w13	r	CIDI total symptom missings	Cont
14	R14CIDISYMPM	r14cidisympm:w14	r	CIDI total symptom missings	Cont
15	R15CIDISYMPM	r15cidisympm:w15	r	CIDI total symptom missings	Cont
03	S3CIDISYMPM	s3cidisympm:w3	s	CIDI total symptom missings	Cont
04	S4CIDISYMPM	s4cidisympm:w4	s	CIDI total symptom missings	Cont
05	S5CIDISYMPM	s5cidisympm:w5	s	CIDI total symptom missings	Cont
06	S6CIDISYMPM	s6cidisympm:w6	s	CIDI total symptom missings	Cont
07	S7CIDISYMPM	s7cidisympm:w7	s	CIDI total symptom missings	Cont
08	S8CIDISYMPM	s8cidisympm:w8	s	CIDI total symptom missings	Cont
09	S9CIDISYMPM	s9cidisympm:w9	s	CIDI total symptom missings	Cont
10	S10CIDISYMPM	s10cidisympm:w10	s	CIDI total symptom missings	Cont
11	S11CIDISYMPM	s11cidisympm:w11	s	CIDI total symptom missings	Cont
12	S12CIDISYMPM	s12cidisympm:w12	s	CIDI total symptom missings	Cont
13	S13CIDISYMPM	s13cidisympm:w13	s	CIDI total symptom missings	Cont
14	S14CIDISYMPM	s14cidisympm:w14	s	CIDI total symptom missings	Cont
15	S15CIDISYMPM	s15cidisympm:w15	s	CIDI total symptom missings	Cont
03	R3CIDIMDE3	r3cidimde3:w3	r	CIDI probable major depressive episode (3+ s	Categ
04	R4CIDIMDE3	r4cidimde3:w4	r	CIDI probable major depressive episode (3+ s	Categ
05	R5CIDIMDE3	r5cidimde3:w5	r	CIDI probable major depressive episode (3+ s	Categ
06	R6CIDIMDE3	r6cidimde3:w6	r	CIDI probable major depressive episode (3+ s	Categ
07	R7CIDIMDE3	r7cidimde3:w7	r	CIDI probable major depressive episode (3+ s	Categ
08	R8CIDIMDE3	r8cidimde3:w8	r	CIDI probable major depressive episode (3+ s	Categ
09	R9CIDIMDE3	r9cidimde3:w9	r	CIDI probable major depressive episode (3+ s	Categ
10	R10CIDIMDE3	r10cidimde3:w10	r	CIDI probable major depressive episode (3+ s	Categ
11	R11CIDIMDE3	r11cidimde3:w11	r	CIDI probable major depressive episode (3+ s	Categ
12	R12CIDIMDE3	r12cidimde3:w12	r	CIDI probable major depressive episode (3+ s	Categ
13	R13CIDIMDE3	r13cidimde3:w13	r	CIDI probable major depressive episode (3+ s	Categ
14	R14CIDIMDE3	r14cidimde3:w14	r	CIDI probable major depressive episode (3+ s	Categ
15	R15CIDIMDE3	r15cidimde3:w15	r	CIDI probable major depressive episode (3+ s	Categ
03	S3CIDIMDE3	s3cidimde3:w3	s	CIDI probable major depressive episode (3+ s	Categ

04	S4CIDIMDE3	s4cidimde3:w4	s	CIDI probable major depressive episode (3+	s	Categ
05	S5CIDIMDE3	s5cidimde3:w5	s	CIDI probable major depressive episode (3+	s	Categ
06	S6CIDIMDE3	s6cidimde3:w6	s	CIDI probable major depressive episode (3+	s	Categ
07	S7CIDIMDE3	s7cidimde3:w7	s	CIDI probable major depressive episode (3+	s	Categ
08	S8CIDIMDE3	s8cidimde3:w8	s	CIDI probable major depressive episode (3+	s	Categ
09	S9CIDIMDE3	s9cidimde3:w9	s	CIDI probable major depressive episode (3+	s	Categ
10	S10CIDIMDE3	s10cidimde3:w10	s	CIDI probable major depressive episode (3+	s	Categ
11	S11CIDIMDE3	s11cidimde3:w11	s	CIDI probable major depressive episode (3+	s	Categ
12	S12CIDIMDE3	s12cidimde3:w12	s	CIDI probable major depressive episode (3+	s	Categ
13	S13CIDIMDE3	s13cidimde3:w13	s	CIDI probable major depressive episode (3+	s	Categ
14	S14CIDIMDE3	s14cidimde3:w14	s	CIDI probable major depressive episode (3+	s	Categ
15	S15CIDIMDE3	s15cidimde3:w15	s	CIDI probable major depressive episode (3+	s	Categ
03	R3CIDIMDE5	r3cidimde5:w3	r	CIDI probable major depressive episode (5+	s	Categ
04	R4CIDIMDE5	r4cidimde5:w4	r	CIDI probable major depressive episode (5+	s	Categ
05	R5CIDIMDE5	r5cidimde5:w5	r	CIDI probable major depressive episode (5+	s	Categ
06	R6CIDIMDE5	r6cidimde5:w6	r	CIDI probable major depressive episode (5+	s	Categ
07	R7CIDIMDE5	r7cidimde5:w7	r	CIDI probable major depressive episode (5+	s	Categ
08	R8CIDIMDE5	r8cidimde5:w8	r	CIDI probable major depressive episode (5+	s	Categ
09	R9CIDIMDE5	r9cidimde5:w9	r	CIDI probable major depressive episode (5+	s	Categ
10	R10CIDIMDE5	r10cidimde5:w10	r	CIDI probable major depressive episode (5+	s	Categ
11	R11CIDIMDE5	r11cidimde5:w11	r	CIDI probable major depressive episode (5+	s	Categ
12	R12CIDIMDE5	r12cidimde5:w12	r	CIDI probable major depressive episode (5+	s	Categ
13	R13CIDIMDE5	r13cidimde5:w13	r	CIDI probable major depressive episode (5+	s	Categ
14	R14CIDIMDE5	r14cidimde5:w14	r	CIDI probable major depressive episode (5+	s	Categ
15	R15CIDIMDE5	r15cidimde5:w15	r	CIDI probable major depressive episode (5+	s	Categ
03	S3CIDIMDE5	s3cidimde5:w3	s	CIDI probable major depressive episode (5+	s	Categ
04	S4CIDIMDE5	s4cidimde5:w4	s	CIDI probable major depressive episode (5+	s	Categ
05	S5CIDIMDE5	s5cidimde5:w5	s	CIDI probable major depressive episode (5+	s	Categ
06	S6CIDIMDE5	s6cidimde5:w6	s	CIDI probable major depressive episode (5+	s	Categ
07	S7CIDIMDE5	s7cidimde5:w7	s	CIDI probable major depressive episode (5+	s	Categ
08	S8CIDIMDE5	s8cidimde5:w8	s	CIDI probable major depressive episode (5+	s	Categ
09	S9CIDIMDE5	s9cidimde5:w9	s	CIDI probable major depressive episode (5+	s	Categ
10	S10CIDIMDE5	s10cidimde5:w10	s	CIDI probable major depressive episode (5+	s	Categ
11	S11CIDIMDE5	s11cidimde5:w11	s	CIDI probable major depressive episode (5+	s	Categ
12	S12CIDIMDE5	s12cidimde5:w12	s	CIDI probable major depressive episode (5+	s	Categ
13	S13CIDIMDE5	s13cidimde5:w13	s	CIDI probable major depressive episode (5+	s	Categ
14	S14CIDIMDE5	s14cidimde5:w14	s	CIDI probable major depressive episode (5+	s	Categ
15	S15CIDIMDE5	s15cidimde5:w15	s	CIDI probable major depressive episode (5+	s	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3CIDIDEP	1069	4.90	1.70	0.00	7.00
R4CIDIDEP	380	4.87	1.69	0.00	7.00
R5CIDIDEP	27	4.63	1.86	1.00	7.00
R6CIDIDEP	20	4.90	1.59	1.00	7.00
R7CIDIDEP	404	5.40	1.51	0.00	7.00
R8CIDIDEP	24	5.42	1.56	2.00	7.00
R9CIDIDEP	1019	5.05	1.65	0.00	7.00
R10CIDIDEP	1666	5.33	1.53	0.00	7.00
R11CIDIDEP	1340	5.25	1.58	0.00	7.00
R12CIDIDEP	1281	5.31	1.51	0.00	7.00
R13CIDIDEP	1671	5.32	1.51	0.00	7.00
R14CIDIDEP	1170	5.34	1.49	0.00	7.00
R15CIDIDEP	1103	5.22	1.54	0.00	7.00
S3CIDIDEP	616	4.77	1.72	0.00	7.00
S4CIDIDEP	233	4.85	1.61	1.00	7.00
S5CIDIDEP	25	4.52	1.90	1.00	7.00
S6CIDIDEP	15	5.40	1.06	3.00	7.00

S7CIDIDEP	231	5.23	1.59	0.00	7.00
S8CIDIDEP	22	5.41	1.62	2.00	7.00
S9CIDIDEP	519	4.95	1.65	0.00	7.00
S10CIDIDEP	849	5.27	1.53	0.00	7.00
S11CIDIDEP	651	5.14	1.61	0.00	7.00
S12CIDIDEP	621	5.19	1.57	0.00	7.00
S13CIDIDEP	732	5.24	1.54	0.00	7.00
S14CIDIDEP	462	5.26	1.52	0.00	7.00
S15CIDIDEP	464	5.11	1.55	0.00	7.00
R3CIDIDEPM	1069	0.30	0.48	0.00	4.00
R4CIDIDEPM	380	0.30	0.46	0.00	2.00
R5CIDIDEPM	27	0.37	0.49	0.00	1.00
R6CIDIDEPM	20	0.35	0.49	0.00	1.00
R7CIDIDEPM	404	0.29	0.46	0.00	1.00
R8CIDIDEPM	24	0.29	0.46	0.00	1.00
R9CIDIDEPM	1019	0.33	0.48	0.00	2.00
R10CIDIDEPM	1666	0.31	0.49	0.00	3.00
R11CIDIDEPM	1340	0.32	0.53	0.00	6.00
R12CIDIDEPM	1281	0.37	0.55	0.00	5.00
R13CIDIDEPM	1671	0.34	0.49	0.00	3.00
R14CIDIDEPM	1174	0.36	0.50	0.00	3.00
R15CIDIDEPM	1105	0.33	0.50	0.00	3.00
S3CIDIDEPM	616	0.32	0.49	0.00	4.00
S4CIDIDEPM	233	0.32	0.48	0.00	2.00
S5CIDIDEPM	25	0.40	0.50	0.00	1.00
S6CIDIDEPM	15	0.33	0.49	0.00	1.00
S7CIDIDEPM	231	0.34	0.48	0.00	1.00
S8CIDIDEPM	22	0.32	0.48	0.00	1.00
S9CIDIDEPM	519	0.35	0.49	0.00	2.00
S10CIDIDEPM	849	0.34	0.50	0.00	3.00
S11CIDIDEPM	651	0.34	0.53	0.00	6.00
S12CIDIDEPM	621	0.37	0.55	0.00	5.00
S13CIDIDEPM	732	0.35	0.48	0.00	2.00
S14CIDIDEPM	463	0.37	0.51	0.00	3.00
S15CIDIDEPM	465	0.37	0.54	0.00	3.00
R3CIDIANH	274	4.77	1.54	1.00	7.00
R4CIDIANH	80	4.89	1.48	1.00	7.00
R5CIDIANH	5	5.20	1.10	4.00	7.00
R6CIDIANH	5	5.20	0.84	4.00	6.00
R7CIDIANH	94	4.95	1.50	1.00	7.00
R8CIDIANH	5	5.60	1.14	4.00	7.00
R9CIDIANH	310	4.88	1.44	1.00	7.00
R10CIDIANH	497	4.87	1.45	1.00	7.00
R11CIDIANH	449	5.10	1.46	1.00	7.00
R12CIDIANH	423	5.10	1.39	1.00	7.00
R13CIDIANH	488	4.91	1.42	1.00	7.00
R14CIDIANH	436	4.83	1.47	1.00	7.00
R15CIDIANH	372	4.87	1.50	1.00	7.00
S3CIDIANH	162	4.72	1.57	1.00	7.00
S4CIDIANH	51	4.80	1.48	2.00	7.00
S5CIDIANH	4	4.75	0.50	4.00	5.00
S6CIDIANH	5	5.20	0.84	4.00	6.00
S7CIDIANH	53	4.83	1.48	1.00	7.00
S8CIDIANH	3	6.33	0.58	6.00	7.00
S9CIDIANH	171	4.73	1.43	1.00	7.00
S10CIDIANH	271	4.67	1.44	1.00	7.00
S11CIDIANH	241	4.93	1.45	1.00	7.00
S12CIDIANH	209	4.96	1.37	1.00	7.00
S13CIDIANH	243	4.77	1.52	1.00	7.00

S14CIDIANH	191	4.77	1.47	1.00	7.00
S15CIDIANH	167	4.71	1.53	1.00	7.00
R3CIDIANHM	274	0.46	0.54	0.00	4.00
R4CIDIANHM	80	0.29	0.46	0.00	1.00
R5CIDIANHM	5	0.40	0.89	0.00	2.00
R6CIDIANHM	5	0.60	0.55	0.00	1.00
R7CIDIANHM	94	0.37	0.55	0.00	3.00
R8CIDIANHM	5	0.40	0.55	0.00	1.00
R9CIDIANHM	310	0.46	0.52	0.00	2.00
R10CIDIANHM	497	0.49	0.52	0.00	2.00
R11CIDIANHM	449	0.39	0.53	0.00	3.00
R12CIDIANHM	423	0.44	0.52	0.00	2.00
R13CIDIANHM	488	0.48	0.51	0.00	2.00
R14CIDIANHM	437	0.53	0.54	0.00	3.00
R15CIDIANHM	372	0.47	0.54	0.00	3.00
S3CIDIANHM	162	0.51	0.57	0.00	4.00
S4CIDIANHM	51	0.29	0.46	0.00	1.00
S5CIDIANHM	4	0.50	1.00	0.00	2.00
S6CIDIANHM	5	0.60	0.55	0.00	1.00
S7CIDIANHM	53	0.49	0.61	0.00	3.00
S8CIDIANHM	3	0.33	0.58	0.00	1.00
S9CIDIANHM	171	0.49	0.54	0.00	2.00
S10CIDIANHM	271	0.53	0.51	0.00	2.00
S11CIDIANHM	241	0.45	0.54	0.00	3.00
S12CIDIANHM	209	0.46	0.53	0.00	2.00
S13CIDIANHM	243	0.48	0.52	0.00	2.00
S14CIDIANHM	191	0.54	0.54	0.00	3.00
S15CIDIANHM	167	0.49	0.57	0.00	3.00
R3CIDISYMP	16270	0.40	1.43	0.00	7.00
R4CIDISYMP	4712	0.48	1.54	0.00	7.00
R5CIDISYMP	202	0.75	1.86	0.00	7.00
R6CIDISYMP	186	0.67	1.78	0.00	7.00
R7CIDISYMP	3234	0.82	2.02	0.00	7.00
R8CIDISYMP	179	0.88	2.10	0.00	7.00
R9CIDISYMP	15976	0.42	1.46	0.00	7.00
R10CIDISYMP	20508	0.55	1.68	0.00	7.00
R11CIDISYMP	19269	0.49	1.59	0.00	7.00
R12CIDISYMP	17571	0.51	1.63	0.00	7.00
R13CIDISYMP	19815	0.57	1.71	0.00	7.00
R14CIDISYMP	16346	0.51	1.62	0.00	7.00
R15CIDISYMP	14838	0.51	1.61	0.00	7.00
S3CIDISYMP	10768	0.34	1.31	0.00	7.00
S4CIDISYMP	3180	0.44	1.47	0.00	7.00
S5CIDISYMP	184	0.72	1.80	0.00	7.00
S6CIDISYMP	173	0.62	1.75	0.00	7.00
S7CIDISYMP	2264	0.65	1.80	0.00	7.00
S8CIDISYMP	170	0.81	2.05	0.00	7.00
S9CIDISYMP	9938	0.34	1.32	0.00	7.00
S10CIDISYMP	12633	0.45	1.53	0.00	7.00
S11CIDISYMP	11769	0.39	1.42	0.00	7.00
S12CIDISYMP	10377	0.41	1.46	0.00	7.00
S13CIDISYMP	11198	0.45	1.52	0.00	7.00
S14CIDISYMP	8919	0.38	1.40	0.00	7.00
S15CIDISYMP	7962	0.40	1.42	0.00	7.00
R3CIDISYMPM	16308	0.03	0.17	0.00	4.00
R4CIDISYMPM	4724	0.03	0.17	0.00	2.00
R5CIDISYMPM	202	0.06	0.26	0.00	2.00
R6CIDISYMPM	188	0.05	0.23	0.00	1.00



R7CIDISYMPM	3243	0.05	0.22	0.00	3.00
R8CIDISYMPM	179	0.05	0.22	0.00	1.00
R9CIDISYMPM	16014	0.03	0.18	0.00	3.00
R10CIDISYMPM	20623	0.04	0.20	0.00	3.00
R11CIDISYMPM	19386	0.03	0.19	0.00	6.00
R12CIDISYMPM	17681	0.04	0.20	0.00	5.00
R13CIDISYMPM	19950	0.04	0.20	0.00	3.00
R14CIDISYMPM	16466	0.04	0.20	0.00	3.00
R15CIDISYMPM	14992	0.04	0.20	0.00	6.00
S3CIDISYMPM	10783	0.03	0.17	0.00	4.00
S4CIDISYMPM	3187	0.03	0.17	0.00	2.00
S5CIDISYMPM	184	0.07	0.27	0.00	2.00
S6CIDISYMPM	175	0.05	0.21	0.00	1.00
S7CIDISYMPM	2271	0.05	0.22	0.00	3.00
S8CIDISYMPM	170	0.05	0.21	0.00	1.00
S9CIDISYMPM	9951	0.03	0.17	0.00	2.00
S10CIDISYMPM	12677	0.03	0.19	0.00	3.00
S11CIDISYMPM	11816	0.03	0.18	0.00	6.00
S12CIDISYMPM	10415	0.03	0.19	0.00	5.00
S13CIDISYMPM	11245	0.03	0.18	0.00	2.00
S14CIDISYMPM	8967	0.03	0.18	0.00	3.00
S15CIDISYMPM	8040	0.03	0.19	0.00	3.00
R3CIDIMDE3	16270	0.07	0.26	0.00	1.00
R4CIDIMDE3	4712	0.09	0.28	0.00	1.00
R5CIDIMDE3	202	0.13	0.34	0.00	1.00
R6CIDIMDE3	186	0.12	0.33	0.00	1.00
R7CIDIMDE3	3234	0.15	0.35	0.00	1.00
R8CIDIMDE3	179	0.15	0.36	0.00	1.00
R9CIDIMDE3	15976	0.08	0.27	0.00	1.00
R10CIDIMDE3	20508	0.10	0.30	0.00	1.00
R11CIDIMDE3	19269	0.09	0.28	0.00	1.00
R12CIDIMDE3	17571	0.09	0.29	0.00	1.00
R13CIDIMDE3	19815	0.10	0.30	0.00	1.00
R14CIDIMDE3	16346	0.09	0.29	0.00	1.00
R15CIDIMDE3	14838	0.09	0.29	0.00	1.00
S3CIDIMDE3	10768	0.06	0.24	0.00	1.00
S4CIDIMDE3	3180	0.08	0.27	0.00	1.00
S5CIDIMDE3	184	0.13	0.34	0.00	1.00
S6CIDIMDE3	173	0.12	0.32	0.00	1.00
S7CIDIMDE3	2264	0.12	0.32	0.00	1.00
S8CIDIMDE3	170	0.14	0.34	0.00	1.00
S9CIDIMDE3	9938	0.06	0.24	0.00	1.00
S10CIDIMDE3	12633	0.08	0.28	0.00	1.00
S11CIDIMDE3	11769	0.07	0.26	0.00	1.00
S12CIDIMDE3	10377	0.08	0.26	0.00	1.00
S13CIDIMDE3	11198	0.08	0.27	0.00	1.00
S14CIDIMDE3	8919	0.07	0.25	0.00	1.00
S15CIDIMDE3	7962	0.07	0.26	0.00	1.00
R3CIDIMDE5	16270	0.05	0.22	0.00	1.00
R4CIDIMDE5	4712	0.06	0.24	0.00	1.00
R5CIDIMDE5	202	0.10	0.31	0.00	1.00
R6CIDIMDE5	186	0.10	0.30	0.00	1.00
R7CIDIMDE5	3234	0.12	0.32	0.00	1.00
R8CIDIMDE5	179	0.12	0.33	0.00	1.00
R9CIDIMDE5	15976	0.06	0.23	0.00	1.00
R10CIDIMDE5	20508	0.08	0.26	0.00	1.00
R11CIDIMDE5	19269	0.07	0.25	0.00	1.00
R12CIDIMDE5	17571	0.07	0.26	0.00	1.00
R13CIDIMDE5	19815	0.08	0.27	0.00	1.00

R14CIDIMDE5	16346	0.07	0.26	0.00	1.00
R15CIDIMDE5	14838	0.07	0.26	0.00	1.00
S3CIDIMDE5	10768	0.04	0.21	0.00	1.00
S4CIDIMDE5	3180	0.05	0.23	0.00	1.00
S5CIDIMDE5	184	0.10	0.30	0.00	1.00
S6CIDIMDE5	173	0.10	0.30	0.00	1.00
S7CIDIMDE5	2264	0.09	0.28	0.00	1.00
S8CIDIMDE5	170	0.11	0.32	0.00	1.00
S9CIDIMDE5	9938	0.05	0.21	0.00	1.00
S10CIDIMDE5	12633	0.06	0.24	0.00	1.00
S11CIDIMDE5	11769	0.05	0.22	0.00	1.00
S12CIDIMDE5	10377	0.06	0.23	0.00	1.00
S13CIDIMDE5	11198	0.06	0.24	0.00	1.00
S14CIDIMDE5	8919	0.05	0.22	0.00	1.00
S15CIDIMDE5	7962	0.05	0.22	0.00	1.00

### Categorical Variable Codes

Value-----		R3CIDIMDE3	R4CIDIMDE3	R5CIDIMDE3
.a:on antidepressants		43	21	2
.d:DK		25	11	
.m:Missing		2		
.p:Proxy		1640	348	66
.r:Refuse		11	1	
.s:skipped			16291	19308
0.no		15059	4293	175
1.yes		1211	419	27

Value-----	R6CIDIMDE3	R7CIDIMDE3	R8CIDIMDE3	R9CIDIMDE3	R10CIDIMDE3
.a:on antidepressants	3	18		63	29
.d:DK	1	3		36	95
.m:Missing					3
.p:Proxy	41	215	34	1140	1382
.r:Refuse	1	6		2	17
.s:skipped	17933	16653	18256		
0.no	163	2761	152	14746	18460
1.yes	23	473	27	1230	2048

Value-----	R11CIDIMDE3	R12CIDIMDE3	R13CIDIMDE3	R14CIDIMDE3	R15CIDIMDE3
.a:on antidepressants	22	17	21	17	10
.d:DK	104	98	107	96	137
.m:Missing	1		1		
.p:Proxy	1146	1049	941	663	721
.r:Refuse	12	12	27	24	17
0.no	17591	15949	17773	14836	13455
1.yes	1678	1622	2042	1510	1383

Value-----		S3CIDIMDE3	S4CIDIMDE3	S5CIDIMDE3
.a:on antidepressants		22	9	2
.d:DK		8	7	
.m:Missing		2		
.p:Proxy		1111	310	65
.r:Refuse		5		
.s:skipped			10472	12479
.u:not coupled		5659	6870	6537
.v:SP NR		416	536	311
0.no		10079	2919	160
1.yes		689	261	24

Value-----	S6CIDIMDE3	S7CIDIMDE3	S8CIDIMDE3	S9CIDIMDE3	S10CIDIMDE3
.a:on antidepressants	2	7		32	14
.d:DK	1	1		12	35
.m:Missing					2
.p:Proxy	38	211	34	657	817
.r:Refuse	1	6		1	7
.s:skipped	11417	10479	11524		
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	153	1999	147	9301	11578
1.yes	20	265	23	637	1055

Value-----	S11CIDIMDE3	S12CIDIMDE3	S13CIDIMDE3	S14CIDIMDE3	S15CIDIMDE3
.a:on antidepressants	11	8	7	7	7
.d:DK	43	34	40	38	71
.m:Missing	1				
.p:Proxy	649	589	526	384	419
.r:Refuse	3	4	7	10	7
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	10941	9595	10281	8307	7374
1.yes	828	782	917	612	588

Value-----		R3CIDIMDE5	R4CIDIMDE5	R5CIDIMDE5
.a:on antidepressants		43	21	2
.d:DK		25	11	
.m:Missing		2		
.p:Proxy		1640	348	66
.r:Refuse		11	1	
.s:skipped			16291	19308
0.no		15416	4425	181
1.yes		854	287	21

Value-----	R6CIDIMDE5	R7CIDIMDE5	R8CIDIMDE5	R9CIDIMDE5	R10CIDIMDE5
.a:on antidepressants	3	18		63	29
.d:DK	1	3		36	95
.m:Missing					3
.p:Proxy	41	215	34	1140	1382
.r:Refuse	1	6		2	17
.s:skipped	17933	16653	18256		
0.no	167	2861	157	15069	18964
1.yes	19	373	22	907	1544

Value-----	R11CIDIMDE5	R12CIDIMDE5	R13CIDIMDE5	R14CIDIMDE5	R15CIDIMDE5
.a:on antidepressants	22	17	21	17	10
.d:DK	104	98	107	96	137
.m:Missing	1		1		
.p:Proxy	1146	1049	941	663	721
.r:Refuse	12	12	27	24	17
0.no	17971	16318	18223	15187	13797
1.yes	1298	1253	1592	1159	1041

Value-----		S3CIDIMDE5	S4CIDIMDE5	S5CIDIMDE5
.a:on antidepressants		22	9	2
.d:DK		8	7	
.m:Missing		2		
.p:Proxy		1111	310	65
.r:Refuse		5		
.s:skipped			10472	12479
.u:not coupled		5659	6870	6537
.v:SP NR		416	536	311
0.no		10287	3008	166
1.yes		481	172	18

Value-----	S6CIDIMDE5	S7CIDIMDE5	S8CIDIMDE5	S9CIDIMDE5	S10CIDIMDE5
.a:on antidepressants	2	7		32	14
.d:DK	1	1		12	35
.m:Missing					2
.p:Proxy	38	211	34	657	817
.r:Refuse	1	6		1	7
.s:skipped	11417	10479	11524		
.u:not coupled	6313	6781	6424	6212	7804
.v:SP NR	220	380	317	365	722
0.no	156	2063	151	9481	11872
1.yes	17	201	19	457	761

Value-----	S11CIDIMDE5	S12CIDIMDE5	S13CIDIMDE5	S14CIDIMDE5	S15CIDIMDE5
.a:on antidepressants	11	8	7	7	7
.d:DK	43	34	40	38	71
.m:Missing	1				
.p:Proxy	649	589	526	384	419
.r:Refuse	3	4	7	10	7
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.no	11148	9800	10500	8457	7542
1.yes	621	577	698	462	420

## How Constructed:

The following variables in this section reference a series of questions that screen for major depressive episodes. The test consists of two sets of questions, one for measuring dysphoria (depressed mood) and another for anhedonia (the loss of interest in things that usually give them pleasure).

Respondents are first asked a set of screening questions for dysphoria: first, whether there was a time they felt sad, blue, or depressed for two weeks or more in a row in the past 12 months, and if so, whether these feelings lasted all day long, most of the day, about half the day, or less than half the day during the two-week period when these feelings were worst, and if most of the day or all day, then whether they felt this way every day, almost every day, or less often during those two weeks. If they answered that they didn't feel depressed for two weeks or more in a row, these feelings lasted about half the day or less than half the day, or if they felt this way less than almost every day, then they are not asked the questions on dysphoria and are asked to answer the next screening questions for anhedonia. Respondents who pass the screening for dysphoria are asked whether they have experienced the following 7 symptoms during those two weeks when they felt worst: lost interest in most things; felt more tired out or low in energy than is usual; change in appetite (either lost appetite or increased appetite, asked separately); had more trouble falling asleep than usual, and reported this happening every night or nearly every night; had a lot more trouble concentrating than usual; felt down on themselves, and no good or worthless; and thought a lot about death, either their own, someone else's, or death in general.

RwCIDIDEP sums the score of the 7 questions that ask about having symptoms of dysphoria if they passed the screening questions for dysphoria, and ranges from 0 to 7. Each positive response adds one to the total, and RwCIDIDEP is calculated as long as at least one of the measures is not missing. RwCIDIDEP counts the number of components with missing responses. RwCIDIDEP and RwCIDIDEPM are assigned special missing .n if the dysphoria questions were not asked because the respondent did not pass the dysphoria screening. RwCIDIDEP and RwCIDIDEPM are assigned special missing .p if these questions were skipped because the interview was by proxy. If the respondent voluntarily reports not feeling depressed because they are on antidepressants, then RwCIDIDEP and RwCIDIDEPM are assigned special missing .a. Don't know, refused, or other missing responses to the components of RwCIDIDEP are assigned special missing codes .d, .r, or .m, respectively. In Waves 4 through 8, these questions are not asked to respondents who were interviewed in the previous wave, and so RwCIDIDEP and RwCIDIDEPM are assigned special missing .s in these waves. RwCIDIDEP and RwCIDIDEPM are set to plain missing (.) for respondents who did not respond to the current wave.

Respondents who did not pass the dysphoria screening questions are then asked the anhedonia screening questions: first, whether there was a time they lost interest in most things like hobbies, work, or activities that usually give them pleasure for two weeks or more in the past 12 months, and if so, whether these feelings lasted all day long, most of the day, about half the day, or less than half the day during the two-week period when they had the most complete loss of interest in things, and if most of the day or all day, then whether they felt this way every day, almost every day, or less often during those two weeks. If they answered that they didn't lose interest for two weeks or more, these feelings lasted about half the day or less than half the day, or if they felt this way less than almost every day, then they are not asked the questions on anhedonia and no more questions in this series are asked. Respondents who pass the screening for anhedonia are asked whether they have experienced the following 6 symptoms during the two weeks when they had the most complete loss of interest in things: felt tired out or low on energy all the time; change in appetite (either lost appetite or increased appetite, asked separately); had more trouble falling asleep than usual, and reported this happening every night or nearly every night; had more trouble concentrating than usual; felt down on themselves, no good or worthless; and thought a lot about death, either their own, someone else's, or death in general.

RwCIDIANH sums the score of the 7 questions that ask about having symptoms of anhedonia if they passed the screening questions for anhedonia, and ranges from 0 to 7. The screening questions count as the first positive response if the respondent reported losing interest in most things and that these feelings lasted all day or most of the day, and felt like this every day or almost every day. Each positive response from the 6 following questions adds one to the total, and RwCIDIANH is calculated as long as at least one of the measures is not missing. RwCIDIANH counts the number of components with missing responses. RwCIDIANH and RwCIDIANHM are assigned special missing .n if the anhedonia questions were not asked because the respondent already completed the dysphoria screening or did not pass the anhedonia screening. RwCIDIANH and RwCIDIANHM are assigned special missing .p if these questions were skipped because the interview was by proxy. If the respondent voluntarily reports not feeling depressed because they are on antidepressants, then RwCIDIANH and RwCIDIANHM are assigned special missing .a. Don't know, refused, or other missing responses to the components of RwCIDIANH are assigned special missing codes .d,

.r, or .m, respectively. In Waves 4 through 8, these questions are not asked to respondents who were interviewed in the previous wave, and so RwcIDIANH and RwcIDIANHM are assigned special missing .s in these waves. RwcIDIANH and RwcIDIANHM are set to plain missing (.) for respondents who did not respond to the current wave.

RwCIDISYMP indicates the total number of symptoms the respondent reported experiencing. RwCIDISYMP will take the value of RwcIDIDEP if the respondent answered the dysphoria questions, and will take the value of RwcIDIANH if the respondent answered the anhedonia questions. If the respondent did not pass the screening for dysphoria or anhedonia, then RwCIDISYMP is assigned a value of 0 since it is assumed that they are exhibiting no symptoms of depression. RwCIDISYMPM counts the number of components with missing responses. RwCIDISYMP and RwCIDISYMPM are assigned special missing .p if these questions were skipped because the interview was by proxy. If the respondent voluntarily reports not feeling depressed because they are on antidepressants, then RwCIDISYMP and RwCIDISYMPM are assigned special missing .a. Don't know, refused, or other missing responses to the components of RwCIDISYMP are assigned special missing codes .d, .r, or .m, respectively. In Waves 4 through 8, these questions are not asked to respondents who were interviewed in the previous wave, and so RwCIDISYMP and RwCIDISYMPM are assigned special missing .s in these waves. RwCIDISYMP and RwCIDISYMPM are set to plain missing (.) for respondents who did not respond to the current wave.

RwCIDIMDE3 and RwCIDIMDE5 indicate whether the respondent has had a probable major depressive episode. RwCIDIMDE3 uses a threshold of 3 or more symptoms, while RwCIDIMDE5 uses a threshold of 5 or more symptoms to indicate a probable major depressive episode. RwCIDIMDE3 is assigned a value of 0 if the respondent exhibited 0 to 2 symptoms, and assigned a value of 1 if the respondent exhibited 3 to 7 symptoms. RwCIDIMDE5 is assigned a value of 0 if the respondent exhibited 0 to 4 symptoms, and assigned a value of 1 if the respondent exhibited 5 to 7 symptoms. RwCIDIMDE3 and RwCIDIMDE5 are assigned special missing .p if these questions were skipped because the interview was by proxy. If the respondent voluntarily reports not feeling depressed because they are on antidepressants, then RwCIDIMDE3 and RwCIDIMDE5 are assigned special missing .a. Don't know, refused, or other missing responses to the components of RwCIDIMDE3 and RwCIDIMDE5 are assigned special missing codes .d, .r, or .m, respectively. In Waves 4 through 8, these questions are not asked to respondents who were interviewed in the previous wave, and so RwCIDIMDE3 and RwCIDIMDE5 are assigned special missing .s in these waves. RwCIDIMDE3 and RwCIDIMDE5 are set to plain missing (.) for respondents who did not respond to the current wave.

SwCIDIDEP, SwCIDIDEPM, SwCIDIANH, SwCIDIANHM, SwCIDISYMP, SwCIDISYMPM, SwCIDIMDE3, and SwCIDIMDE5 indicate the respondent's current wave's spouse's experience with a major depressive episode, and their values are taken from RwcIDIDEP, RwcIDIDEPM, RwcIDIANH, RwcIDIANHM, RwcIDISYMP, RwcIDISYMPM, RwcIDIMDE3, and RwcIDIMDE5. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes: .u and .v. The special missing value .u is used when the respondent does not report being coupled in the current wave. The special missing code .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

These questions are asked starting in the AHEAD and HRS samples in Wave 3.

In Wave 3, these questions are asked to all non-proxy respondents. In Waves 4 through 8, these questions are only asked to non-proxy respondents who did not participate in the previous interview. Starting in Wave 9, these questions are once again asked to all non-proxy respondents.

## HRS Variables Used:

Wave 3 AHEAD:

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  
 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  
 D218 cs1a.proxy/self interview

## Wave 3 HRS:

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  
 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  
 E218 cs1a.proxy/self interview

## Wave 4:

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  
 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

F483 cs1a.proxy/self interview  
F682 previous wave interv

Wave 5:

G1456 b26.depressed-screener  
G1457 b27. depressed portion day  
G1458 b27a. depressed every day  
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  
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  
G514 cs1a.proxy/self interview  
G753 cs22y30.previous wave interv

Wave 6:

HA009 proxy/self interview  
HC150 felt depressed in past yr  
HC151 depressed what portion of day  
HC152 depressed every day  
HC153 loss of interest  
HC154 feeling tired  
HC155 lose appetite  
HC156 appetite increase  
HC157 trouble fall asleep  
HC158 freq of trouble falling asleep  
HC159 trouble concentrating  
HC160 feeling down on yourself  
HC161 thoughts about death  
HC167 lose interest- cidi  
HC168 lose interest often- cidi  
HC169 lose interest dysfunction- cidi  
HC170 feeling tired- cidi  
HC171 lost appetite- cidi  
HC172 appetite increase- cidi  
HC173 trouble falling asleep- cidi  
HC174 frequency of sleep trouble- cidi  
HC175 trouble concentrate- cidi  
HC176 feeling down on oneself- cidi  
HC177 interest in death- cidi  
HZ076 r ever interviewed

Wave 7:

JA009 proxy/self interview  
JC150 felt depressed in past yr  
JC151 depressed what portion of day  
JC152 depressed every day  
JC153 loss of interest  
JC154 feeling tired  
JC155 lose appetite  
JC156 appetite increase

JC157 trouble fall asleep  
 JC158 freq of trouble falling asleep  
 JC159 trouble concentrating  
 JC160 feeling down on yourself  
 JC161 thoughts about death  
 JC167 lose interest- cidi  
 JC168 lose interest often- cidi  
 JC169 lose interest dysfunction- cidi  
 JC170 feeling tired- cidi  
 JC171 lost appetite- cidi  
 JC172 appetite increase- cidi  
 JC173 trouble falling asleep- cidi  
 JC174 frequency of sleep trouble- cidi  
 JC175 trouble concentrate- cidi  
 JC176 feeling down on oneself- cidi  
 JC177 interest in death- cidi  
 JZ076 r ever interviewed

## Wave 8:

KA009 proxy/self interview  
 KC150 felt depressed in past yr  
 KC151 depressed what portion of day  
 KC152 depressed every day  
 KC153 loss of interest  
 KC154 feeling tired  
 KC155 lose appetite  
 KC156 appetite increase  
 KC157 trouble fall asleep  
 KC158 freq of trouble falling asleep  
 KC159 trouble concentrating  
 KC160 feeling down on yourself  
 KC161 thoughts about death  
 KC167 lose interest- cidi  
 KC168 lose interest often- cidi  
 KC169 lose interest dysfunction- cidi  
 KC170 feeling tired- cidi  
 KC171 lost appetite- cidi  
 KC172 appetite increase- cidi  
 KC173 trouble falling asleep- cidi  
 KC174 frequency of sleep trouble- cidi  
 KC175 trouble concentrate- cidi  
 KC176 feeling down on oneself- cidi  
 KC177 interest in death- cidi  
 KZ076 r ever interviewed

## Wave 9:

LA009 proxy/self interview  
 LC150 felt depressed in past yr  
 LC151 depressed what portion of day  
 LC152 depressed every day  
 LC153 loss of interest  
 LC154 feeling tired  
 LC155 lose appetite  
 LC156 appetite increase  
 LC157 trouble fall asleep  
 LC158 freq of trouble falling asleep  
 LC159 trouble concentrating  
 LC160 feeling down on yourself  
 LC161 thoughts about death  
 LC167 lose interest- cidi  
 LC168 lose interest often- cidi  
 LC169 lose interest dysfunction- cidi  
 LC170 feeling tired- cidi  
 LC171 lost appetite- cidi  
 LC172 appetite increase- cidi



LC173 trouble falling asleep- cidi  
LC174 frequency of sleep trouble- cidi  
LC175 trouble concentrate- cidi  
LC176 feeling down on oneself- cidi  
LC177 interest in death- cidi

## Wave 10:

MA009 proxy/self interview  
MC150 felt depressed in past yr  
MC151 depressed what portion of day  
MC152 depressed every day  
MC153 loss of interest  
MC154 feeling tired  
MC155 lose appetite  
MC156 appetite increase  
MC157 trouble fall asleep  
MC158 freq of trouble falling asleep  
MC159 trouble concentrating  
MC160 feeling down on yourself  
MC161 thoughts about death  
MC167 lose interest- cidi  
MC168 lose interest often- cidi  
MC169 lose interest dysfunction- cidi  
MC170 feeling tired- cidi  
MC171 lost appetite- cidi  
MC172 appetite increase- cidi  
MC173 trouble falling asleep- cidi  
MC174 frequency of sleep trouble- cidi  
MC175 trouble concentrate- cidi  
MC176 feeling down on oneself- cidi  
MC177 interest in death- cidi

## Wave 11:

NA009 proxy/self interview  
NC150 felt depressed in past yr  
NC151 depressed what portion of day  
NC152 depressed every day  
NC153 loss of interest  
NC154 feeling tired  
NC155 lose appetite  
NC156 appetite increase  
NC157 trouble fall asleep  
NC158 freq of trouble falling asleep  
NC159 trouble concentrating  
NC160 feeling down on yourself  
NC161 thoughts about death  
NC167 lose interest- cidi  
NC168 lose interest often- cidi  
NC169 lose interest dysfunction- cidi  
NC170 feeling tired- cidi  
NC171 lost appetite- cidi  
NC172 appetite increase- cidi  
NC173 trouble falling asleep- cidi  
NC174 frequency of sleep trouble- cidi  
NC175 trouble concentrate- cidi  
NC176 feeling down on oneself- cidi  
NC177 interest in death- cidi

## Wave 12:

OA009 proxy/self interview  
OC150 felt depressed in past yr  
OC151 depressed what portion of day  
OC152 depressed every day  
OC153 loss of interest  
OC154 feeling tired  
OC155 lose appetite

OC156 appetite increase  
 OC157 trouble fall asleep  
 OC158 freq of trouble falling asleep  
 OC159 trouble concentrating  
 OC160 feeling down on yourself  
 OC161 thoughts about death  
 OC167 lose interest- cidi  
 OC168 lose interest often- cidi  
 OC169 lose interest dysfunction- cidi  
 OC170 feeling tired- cidi  
 OC171 lost appetite- cidi  
 OC172 appetite increase- cidi  
 OC173 trouble falling asleep- cidi  
 OC174 frequency of sleep trouble- cidi  
 OC175 trouble concentrate- cidi  
 OC176 feeling down on oneself- cidi  
 OC177 interest in death- cidi

## Wave 13:

PA009 proxy/self interview  
 PC150 felt depressed in past yr  
 PC151 depressed what portion of day  
 PC152 depressed every day  
 PC153 loss of interest  
 PC154 feeling tired  
 PC155 lose appetite  
 PC156 appetite increase  
 PC157 trouble fall asleep  
 PC158 freq of trouble falling asleep  
 PC159 trouble concentrating  
 PC160 feeling down on yourself  
 PC161 thoughts about death  
 PC167 lose interest- cidi  
 PC168 lose interest often- cidi  
 PC169 lose interest dysfunction- cidi  
 PC170 feeling tired- cidi  
 PC171 lost appetite- cidi  
 PC172 appetite increase- cidi  
 PC173 trouble falling asleep- cidi  
 PC174 frequency of sleep trouble- cidi  
 PC175 trouble concentrate- cidi  
 PC176 feeling down on oneself- cidi  
 PC177 interest in death- cidi

## Wave 14:

QA009 proxy/self interview  
 QC150 felt depressed in past yr  
 QC151 depressed what portion of day  
 QC152 depressed every day  
 QC153 loss of interest  
 QC154 feeling tired  
 QC155 lose appetite  
 QC156 appetite increase  
 QC157 trouble fall asleep  
 QC158 freq of trouble falling asleep  
 QC159 trouble concentrating  
 QC160 feeling down on yourself  
 QC161 thoughts about death  
 QC167 lose interest- cidi  
 QC168 lose interest often- cidi  
 QC169 lose interest dysfunction- cidi  
 QC170 feeling tired- cidi  
 QC171 lost appetite- cidi  
 QC172 appetite increase- cidi  
 QC173 trouble falling asleep- cidi

QC174 frequency of sleep trouble- cidi  
QC175 trouble concentrate- cidi  
QC176 feeling down on oneself- cidi  
QC177 interest in death- cidi

## Wave 15:

RA009 proxy/self interview  
RC150 felt depressed in past yr  
RC151 depressed what portion of day  
RC152 depressed every day  
RC153 loss of interest  
RC154 feeling tired  
RC155 lose appetite  
RC156 appetite increase  
RC157 trouble fall asleep  
RC158 freq of trouble falling asleep  
RC159 trouble concentrating  
RC160 feeling down on yourself  
RC161 thoughts about death  
RC167 lose interest- cidi  
RC168 lose interest often- cidi  
RC169 lose interest dysfunction- cidi  
RC170 feeling tired- cidi  
RC171 lost appetite- cidi  
RC172 appetite increase- cidi  
RC173 trouble falling asleep- cidi  
RC174 frequency of sleep trouble- cidi  
RC175 trouble concentrate- cidi  
RC176 feeling down on oneself- cidi  
RC177 interest in death- cidi

<b>5-item Satisfaction with Life Scale</b>
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Wave	Variable	Label	Type
07	R7LIDEAL	r7lideal:w7 R Life is close to ideal 7-point	Categ
08	R8LIDEAL	r8lideal:w8 R Life is close to ideal 7-point	Categ
09	R9LIDEAL	r9lideal:w9 R Life is close to ideal 7-point	Categ
10	R10LIDEAL	r10lideal:w10 R Life is close to ideal 7-point	Categ
11	R11LIDEAL	r11lideal:w11 R Life is close to ideal 7-point	Categ
12	R12LIDEAL	r12lideal:w12 R Life is close to ideal 7-point	Categ
13	R13LIDEAL	r13lideal:w13 R Life is close to ideal 7-point	Categ
14	R14LIDEAL	r14lideal:w14 R Life is close to ideal 7-point	Categ
15	R15LIDEAL	r15lideal:w15 R Life is close to ideal 7-point	Categ
07	S7LIDEAL	s7lideal:w7 S Life is close to ideal 7-point	Categ
08	S8LIDEAL	s8lideal:w8 S Life is close to ideal 7-point	Categ
09	S9LIDEAL	s9lideal:w9 S Life is close to ideal 7-point	Categ
10	S10LIDEAL	s10lideal:w10 S Life is close to ideal 7-point	Categ
11	S11LIDEAL	s11lideal:w11 S Life is close to ideal 7-point	Categ
12	S12LIDEAL	s12lideal:w12 S Life is close to ideal 7-point	Categ
13	S13LIDEAL	s13lideal:w13 S Life is close to ideal 7-point	Categ
14	S14LIDEAL	s14lideal:w14 S Life is close to ideal 7-point	Categ
15	S15LIDEAL	s15lideal:w15 S Life is close to ideal 7-point	Categ
07	R7LEXCL	r7lexcl:w7 R Life conditions are excellent 7-point	Categ
08	R8LEXCL	r8lexcl:w8 R Life conditions are excellent 7-point	Categ
09	R9LEXCL	r9lexcl:w9 R Life conditions are excellent 7-point	Categ
10	R10LEXCL	r10lexcl:w10 R Life conditions are excellent 7-point	Categ
11	R11LEXCL	r11lexcl:w11 R Life conditions are excellent 7-point	Categ
12	R12LEXCL	r12lexcl:w12 R Life conditions are excellent 7-point	Categ
13	R13LEXCL	r13lexcl:w13 R Life conditions are excellent 7-point	Categ
14	R14LEXCL	r14lexcl:w14 R Life conditions are excellent 7-point	Categ
15	R15LEXCL	r15lexcl:w15 R Life conditions are excellent 7-point	Categ
07	S7LEXCL	s7lexcl:w7 S Life conditions are excellent 7-point	Categ
08	S8LEXCL	s8lexcl:w8 S Life conditions are excellent 7-point	Categ
09	S9LEXCL	s9lexcl:w9 S Life conditions are excellent 7-point	Categ
10	S10LEXCL	s10lexcl:w10 S Life conditions are excellent 7-point	Categ
11	S11LEXCL	s11lexcl:w11 S Life conditions are excellent 7-point	Categ
12	S12LEXCL	s12lexcl:w12 S Life conditions are excellent 7-point	Categ
13	S13LEXCL	s13lexcl:w13 S Life conditions are excellent 7-point	Categ
14	S14LEXCL	s14lexcl:w14 S Life conditions are excellent 7-point	Categ
15	S15LEXCL	s15lexcl:w15 S Life conditions are excellent 7-point	Categ
07	R7LSTSF	r7lstsf:w7 R Satisfied with life 7-point	Categ
08	R8LSTSF	r8lstsf:w8 R Satisfied with life 7-point	Categ
09	R9LSTSF	r9lstsf:w9 R Satisfied with life 7-point	Categ
10	R10LSTSF	r10lstsf:w10 R Satisfied with life 7-point	Categ
11	R11LSTSF	r11lstsf:w11 R Satisfied with life 7-point	Categ
12	R12LSTSF	r12lstsf:w12 R Satisfied with life 7-point	Categ
13	R13LSTSF	r13lstsf:w13 R Satisfied with life 7-point	Categ
14	R14LSTSF	r14lstsf:w14 R Satisfied with life 7-point	Categ
15	R15LSTSF	r15lstsf:w15 R Satisfied with life 7-point	Categ
07	S7LSTSF	s7lstsf:w7 S Satisfied with life 7-point	Categ
08	S8LSTSF	s8lstsf:w8 S Satisfied with life 7-point	Categ
09	S9LSTSF	s9lstsf:w9 S Satisfied with life 7-point	Categ
10	S10LSTSF	s10lstsf:w10 S Satisfied with life 7-point	Categ
11	S11LSTSF	s11lstsf:w11 S Satisfied with life 7-point	Categ
12	S12LSTSF	s12lstsf:w12 S Satisfied with life 7-point	Categ
13	S13LSTSF	s13lstsf:w13 S Satisfied with life 7-point	Categ

14	S14LSTSF	s14lstsf:w14	S Satisfied with life 7-point	Categ
15	S15LSTSF	s15lstsf:w15	S Satisfied with life 7-point	Categ
07	R7LIMPPT	r7limptt:w7	R Gotten important things in life 7-point	Categ
08	R8LIMPPT	r8limptt:w8	R Gotten important things in life 7-point	Categ
09	R9LIMPPT	r9limptt:w9	R Gotten important things in life 7-point	Categ
10	R10LIMPPT	r10limptt:w10	R Gotten important things in life 7-point	Categ
11	R11LIMPPT	r11limptt:w11	R Gotten important things in life 7-point	Categ
12	R12LIMPPT	r12limptt:w12	R Gotten important things in life 7-point	Categ
13	R13LIMPPT	r13limptt:w13	R Gotten important things in life 7-point	Categ
14	R14LIMPPT	r14limptt:w14	R Gotten important things in life 7-point	Categ
15	R15LIMPPT	r15limptt:w15	R Gotten important things in life 7-point	Categ
07	S7LIMPPT	s7limptt:w7	S Gotten important things in life 7-point	Categ
08	S8LIMPPT	s8limptt:w8	S Gotten important things in life 7-point	Categ
09	S9LIMPPT	s9limptt:w9	S Gotten important things in life 7-point	Categ
10	S10LIMPPT	s10limptt:w10	S Gotten important things in life 7-point	Categ
11	S11LIMPPT	s11limptt:w11	S Gotten important things in life 7-point	Categ
12	S12LIMPPT	s12limptt:w12	S Gotten important things in life 7-point	Categ
13	S13LIMPPT	s13limptt:w13	S Gotten important things in life 7-point	Categ
14	S14LIMPPT	s14limptt:w14	S Gotten important things in life 7-point	Categ
15	S15LIMPPT	s15limptt:w15	S Gotten important things in life 7-point	Categ
07	R7LCHNOT	r7lchnot:w7	R Change almost nothing if lived again 7-point	Categ
08	R8LCHNOT	r8lchnot:w8	R Change almost nothing if lived again 7-point	Categ
09	R9LCHNOT	r9lchnot:w9	R Change almost nothing if lived again 7-point	Categ
10	R10LCHNOT	r10lchnot:w10	R Change almost nothing if lived again 7-point	Categ
11	R11LCHNOT	r11lchnot:w11	R Change almost nothing if lived again 7-point	Categ
12	R12LCHNOT	r12lchnot:w12	R Change almost nothing if lived again 7-point	Categ
13	R13LCHNOT	r13lchnot:w13	R Change almost nothing if lived again 7-point	Categ
14	R14LCHNOT	r14lchnot:w14	R Change almost nothing if lived again 7-point	Categ
15	R15LCHNOT	r15lchnot:w15	R Change almost nothing if lived again 7-point	Categ
07	S7LCHNOT	s7lchnot:w7	S Change almost nothing if lived again 7-point	Categ
08	S8LCHNOT	s8lchnot:w8	S Change almost nothing if lived again 7-point	Categ
09	S9LCHNOT	s9lchnot:w9	S Change almost nothing if lived again 7-point	Categ
10	S10LCHNOT	s10lchnot:w10	S Change almost nothing if lived again 7-point	Categ
11	S11LCHNOT	s11lchnot:w11	S Change almost nothing if lived again 7-point	Categ
12	S12LCHNOT	s12lchnot:w12	S Change almost nothing if lived again 7-point	Categ
13	S13LCHNOT	s13lchnot:w13	S Change almost nothing if lived again 7-point	Categ
14	S14LCHNOT	s14lchnot:w14	S Change almost nothing if lived again 7-point	Categ
15	S15LCHNOT	s15lchnot:w15	S Change almost nothing if lived again 7-point	Categ
07	R7LSATSC	r7lsatsc:w7	R Satisfaction with life scale score 7-point	Cont
08	R8LSATSC	r8lsatsc:w8	R Satisfaction with life scale score 7-point	Cont
09	R9LSATSC	r9lsatsc:w9	R Satisfaction with life scale score 7-point	Cont
10	R10LSATSC	r10lsatsc:w10	R Satisfaction with life scale score 7-point	Cont
11	R11LSATSC	r11lsatsc:w11	R Satisfaction with life scale score 7-point	Cont
12	R12LSATSC	r12lsatsc:w12	R Satisfaction with life scale score 7-point	Cont
13	R13LSATSC	r13lsatsc:w13	R Satisfaction with life scale score 7-point	Cont
14	R14LSATSC	r14lsatsc:w14	R Satisfaction with life scale score 7-point	Cont
15	R15LSATSC	r15lsatsc:w15	R Satisfaction with life scale score 7-point	Cont
07	S7LSATSC	s7lsatsc:w7	S Satisfaction with life scale score 7-point	Cont
08	S8LSATSC	s8lsatsc:w8	S Satisfaction with life scale score 7-point	Cont
09	S9LSATSC	s9lsatsc:w9	S Satisfaction with life scale score 7-point	Cont
10	S10LSATSC	s10lsatsc:w10	S Satisfaction with life scale score 7-point	Cont
11	S11LSATSC	s11lsatsc:w11	S Satisfaction with life scale score 7-point	Cont
12	S12LSATSC	s12lsatsc:w12	S Satisfaction with life scale score 7-point	Cont
13	S13LSATSC	s13lsatsc:w13	S Satisfaction with life scale score 7-point	Cont
14	S14LSATSC	s14lsatsc:w14	S Satisfaction with life scale score 7-point	Cont
15	S15LSATSC	s15lsatsc:w15	S Satisfaction with life scale score 7-point	Cont

07	R7LSATSCM	r7lsatscm:w7	R	Satisfaction with life scale missing count 7-	Cont
08	R8LSATSCM	r8lsatscm:w8	R	Satisfaction with life scale missing count 7-	Cont
09	R9LSATSCM	r9lsatscm:w9	R	Satisfaction with life scale missing count 7-	Cont
10	R10LSATSCM	r10lsatscm:w10	R	Satisfaction with life scale missing count	Cont
11	R11LSATSCM	r11lsatscm:w11	R	Satisfaction with life scale missing count	Cont
12	R12LSATSCM	r12lsatscm:w12	R	Satisfaction with life scale missing count	Cont
13	R13LSATSCM	r13lsatscm:w13	R	Satisfaction with life scale missing count	Cont
14	R14LSATSCM	r14lsatscm:w14	R	Satisfaction with life scale missing count	Cont
15	R15LSATSCM	r15lsatscm:w15	R	Satisfaction with life scale missing count	Cont
07	S7LSATSCM	s7lsatscm:w7	S	Satisfaction with life scale missing count 7-	Cont
08	S8LSATSCM	s8lsatscm:w8	S	Satisfaction with life scale missing count 7-	Cont
09	S9LSATSCM	s9lsatscm:w9	S	Satisfaction with life scale missing count 7-	Cont
10	S10LSATSCM	s10lsatscm:w10	S	Satisfaction with life scale missing count	Cont
11	S11LSATSCM	s11lsatscm:w11	S	Satisfaction with life scale missing count	Cont
12	S12LSATSCM	s12lsatscm:w12	S	Satisfaction with life scale missing count	Cont
13	S13LSATSCM	s13lsatscm:w13	S	Satisfaction with life scale missing count	Cont
14	S14LSATSCM	s14lsatscm:w14	S	Satisfaction with life scale missing count	Cont
15	S15LSATSCM	s15lsatscm:w15	S	Satisfaction with life scale missing count	Cont
07	R7LIDEAL3	r7lideal3:w7	R	Life is close to ideal 3-point	Categ
08	R8LIDEAL3	r8lideal3:w8	R	Life is close to ideal 3-point	Categ
09	R9LIDEAL3	r9lideal3:w9	R	Life is close to ideal 3-point	Categ
10	R10LIDEAL3	r10lideal3:w10	R	Life is close to ideal 3-point	Categ
11	R11LIDEAL3	r11lideal3:w11	R	Life is close to ideal 3-point	Categ
12	R12LIDEAL3	r12lideal3:w12	R	Life is close to ideal 3-point	Categ
13	R13LIDEAL3	r13lideal3:w13	R	Life is close to ideal 3-point	Categ
14	R14LIDEAL3	r14lideal3:w14	R	Life is close to ideal 3-point	Categ
15	R15LIDEAL3	r15lideal3:w15	R	Life is close to ideal 3-point	Categ
07	S7LIDEAL3	s7lideal3:w7	S	Life is close to ideal 3-point	Categ
08	S8LIDEAL3	s8lideal3:w8	S	Life is close to ideal 3-point	Categ
09	S9LIDEAL3	s9lideal3:w9	S	Life is close to ideal 3-point	Categ
10	S10LIDEAL3	s10lideal3:w10	S	Life is close to ideal 3-point	Categ
11	S11LIDEAL3	s11lideal3:w11	S	Life is close to ideal 3-point	Categ
12	S12LIDEAL3	s12lideal3:w12	S	Life is close to ideal 3-point	Categ
13	S13LIDEAL3	s13lideal3:w13	S	Life is close to ideal 3-point	Categ
14	S14LIDEAL3	s14lideal3:w14	S	Life is close to ideal 3-point	Categ
15	S15LIDEAL3	s15lideal3:w15	S	Life is close to ideal 3-point	Categ
07	R7LEXCL3	r7lexcl3:w7	R	Life conditions are excellent 3-point	Categ
08	R8LEXCL3	r8lexcl3:w8	R	Life conditions are excellent 3-point	Categ
09	R9LEXCL3	r9lexcl3:w9	R	Life conditions are excellent 3-point	Categ
10	R10LEXCL3	r10lexcl3:w10	R	Life conditions are excellent 3-point	Categ
11	R11LEXCL3	r11lexcl3:w11	R	Life conditions are excellent 3-point	Categ
12	R12LEXCL3	r12lexcl3:w12	R	Life conditions are excellent 3-point	Categ
13	R13LEXCL3	r13lexcl3:w13	R	Life conditions are excellent 3-point	Categ
14	R14LEXCL3	r14lexcl3:w14	R	Life conditions are excellent 3-point	Categ
15	R15LEXCL3	r15lexcl3:w15	R	Life conditions are excellent 3-point	Categ
07	S7LEXCL3	s7lexcl3:w7	S	Life conditions are excellent 3-point	Categ
08	S8LEXCL3	s8lexcl3:w8	S	Life conditions are excellent 3-point	Categ
09	S9LEXCL3	s9lexcl3:w9	S	Life conditions are excellent 3-point	Categ
10	S10LEXCL3	s10lexcl3:w10	S	Life conditions are excellent 3-point	Categ
11	S11LEXCL3	s11lexcl3:w11	S	Life conditions are excellent 3-point	Categ
12	S12LEXCL3	s12lexcl3:w12	S	Life conditions are excellent 3-point	Categ
13	S13LEXCL3	s13lexcl3:w13	S	Life conditions are excellent 3-point	Categ
14	S14LEXCL3	s14lexcl3:w14	S	Life conditions are excellent 3-point	Categ
15	S15LEXCL3	s15lexcl3:w15	S	Life conditions are excellent 3-point	Categ
07	R7LSTSF3	r7lstsf3:w7	R	Satisfied with life 3-point	Categ
08	R8LSTSF3	r8lstsf3:w8	R	Satisfied with life 3-point	Categ
09	R9LSTSF3	r9lstsf3:w9	R	Satisfied with life 3-point	Categ

10	R10LSTSF3	r10lstsf3:w10	R	Satisfied with life	3-point	Categ
11	R11LSTSF3	r11lstsf3:w11	R	Satisfied with life	3-point	Categ
12	R12LSTSF3	r12lstsf3:w12	R	Satisfied with life	3-point	Categ
13	R13LSTSF3	r13lstsf3:w13	R	Satisfied with life	3-point	Categ
14	R14LSTSF3	r14lstsf3:w14	R	Satisfied with life	3-point	Categ
15	R15LSTSF3	r15lstsf3:w15	R	Satisfied with life	3-point	Categ
07	S7LSTSF3	s7lstsf3:w7	S	Satisfied with life	3-point	Categ
08	S8LSTSF3	s8lstsf3:w8	S	Satisfied with life	3-point	Categ
09	S9LSTSF3	s9lstsf3:w9	S	Satisfied with life	3-point	Categ
10	S10LSTSF3	s10lstsf3:w10	S	Satisfied with life	3-point	Categ
11	S11LSTSF3	s11lstsf3:w11	S	Satisfied with life	3-point	Categ
12	S12LSTSF3	s12lstsf3:w12	S	Satisfied with life	3-point	Categ
13	S13LSTSF3	s13lstsf3:w13	S	Satisfied with life	3-point	Categ
14	S14LSTSF3	s14lstsf3:w14	S	Satisfied with life	3-point	Categ
15	S15LSTSF3	s15lstsf3:w15	S	Satisfied with life	3-point	Categ
07	R7LIMPPT3	r7limptt3:w7	R	Gotten important things in life	3-point	Categ
08	R8LIMPPT3	r8limptt3:w8	R	Gotten important things in life	3-point	Categ
09	R9LIMPPT3	r9limptt3:w9	R	Gotten important things in life	3-point	Categ
10	R10LIMPPT3	r10limptt3:w10	R	Gotten important things in life	3-point	Categ
11	R11LIMPPT3	r11limptt3:w11	R	Gotten important things in life	3-point	Categ
12	R12LIMPPT3	r12limptt3:w12	R	Gotten important things in life	3-point	Categ
13	R13LIMPPT3	r13limptt3:w13	R	Gotten important things in life	3-point	Categ
14	R14LIMPPT3	r14limptt3:w14	R	Gotten important things in life	3-point	Categ
15	R15LIMPPT3	r15limptt3:w15	R	Gotten important things in life	3-point	Categ
07	S7LIMPPT3	s7limptt3:w7	S	Gotten important things in life	3-point	Categ
08	S8LIMPPT3	s8limptt3:w8	S	Gotten important things in life	3-point	Categ
09	S9LIMPPT3	s9limptt3:w9	S	Gotten important things in life	3-point	Categ
10	S10LIMPPT3	s10limptt3:w10	S	Gotten important things in life	3-point	Categ
11	S11LIMPPT3	s11limptt3:w11	S	Gotten important things in life	3-point	Categ
12	S12LIMPPT3	s12limptt3:w12	S	Gotten important things in life	3-point	Categ
13	S13LIMPPT3	s13limptt3:w13	S	Gotten important things in life	3-point	Categ
14	S14LIMPPT3	s14limptt3:w14	S	Gotten important things in life	3-point	Categ
15	S15LIMPPT3	s15limptt3:w15	S	Gotten important things in life	3-point	Categ
07	R7LCHNOT3	r7lchnot3:w7	R	Change almost nothing if lived again	3-point	Categ
08	R8LCHNOT3	r8lchnot3:w8	R	Change almost nothing if lived again	3-point	Categ
09	R9LCHNOT3	r9lchnot3:w9	R	Change almost nothing if lived again	3-point	Categ
10	R10LCHNOT3	r10lchnot3:w10	R	Change almost nothing if lived again	3-point	Categ
11	R11LCHNOT3	r11lchnot3:w11	R	Change almost nothing if lived again	3-point	Categ
12	R12LCHNOT3	r12lchnot3:w12	R	Change almost nothing if lived again	3-point	Categ
13	R13LCHNOT3	r13lchnot3:w13	R	Change almost nothing if lived again	3-point	Categ
14	R14LCHNOT3	r14lchnot3:w14	R	Change almost nothing if lived again	3-point	Categ
15	R15LCHNOT3	r15lchnot3:w15	R	Change almost nothing if lived again	3-point	Categ
07	S7LCHNOT3	s7lchnot3:w7	S	Change almost nothing if lived again	3-point	Categ
08	S8LCHNOT3	s8lchnot3:w8	S	Change almost nothing if lived again	3-point	Categ
09	S9LCHNOT3	s9lchnot3:w9	S	Change almost nothing if lived again	3-point	Categ
10	S10LCHNOT3	s10lchnot3:w10	S	Change almost nothing if lived again	3-point	Categ
11	S11LCHNOT3	s11lchnot3:w11	S	Change almost nothing if lived again	3-point	Categ
12	S12LCHNOT3	s12lchnot3:w12	S	Change almost nothing if lived again	3-point	Categ
13	S13LCHNOT3	s13lchnot3:w13	S	Change almost nothing if lived again	3-point	Categ
14	S14LCHNOT3	s14lchnot3:w14	S	Change almost nothing if lived again	3-point	Categ
15	S15LCHNOT3	s15lchnot3:w15	S	Change almost nothing if lived again	3-point	Categ
07	R7LSATSC3	r7lsatsc3:w7	R	Satisfaction with life scale score	3-point	Cont
08	R8LSATSC3	r8lsatsc3:w8	R	Satisfaction with life scale score	3-point	Cont
09	R9LSATSC3	r9lsatsc3:w9	R	Satisfaction with life scale score	3-point	Cont
10	R10LSATSC3	r10lsatsc3:w10	R	Satisfaction with life scale score	3-point	Cont
11	R11LSATSC3	r11lsatsc3:w11	R	Satisfaction with life scale score	3-point	Cont
12	R12LSATSC3	r12lsatsc3:w12	R	Satisfaction with life scale score	3-point	Cont

13	R13LSATSC3	r13lsatsc3:w13	R	Satisfaction with life scale score 3-point	Cont
14	R14LSATSC3	r14lsatsc3:w14	R	Satisfaction with life scale score 3-point	Cont
15	R15LSATSC3	r15lsatsc3:w15	R	Satisfaction with life scale score 3-point	Cont
07	S7LSATSC3	s7lsatsc3:w7	S	Satisfaction with life scale score 3-point	Cont
08	S8LSATSC3	s8lsatsc3:w8	S	Satisfaction with life scale score 3-point	Cont
09	S9LSATSC3	s9lsatsc3:w9	S	Satisfaction with life scale score 3-point	Cont
10	S10LSATSC3	s10lsatsc3:w10	S	Satisfaction with life scale score 3-point	Cont
11	S11LSATSC3	s11lsatsc3:w11	S	Satisfaction with life scale score 3-point	Cont
12	S12LSATSC3	s12lsatsc3:w12	S	Satisfaction with life scale score 3-point	Cont
13	S13LSATSC3	s13lsatsc3:w13	S	Satisfaction with life scale score 3-point	Cont
14	S14LSATSC3	s14lsatsc3:w14	S	Satisfaction with life scale score 3-point	Cont
15	S15LSATSC3	s15lsatsc3:w15	S	Satisfaction with life scale score 3-point	Cont
07	R7LSATSC3M	r7lsatsc3m:w7	R	Satisfaction with life scale missing count 3	Cont
08	R8LSATSC3M	r8lsatsc3m:w8	R	Satisfaction with life scale missing count 3	Cont
09	R9LSATSC3M	r9lsatsc3m:w9	R	Satisfaction with life scale missing count 3	Cont
10	R10LSATSC3M	r10lsatsc3m:w10	R	Satisfaction with life scale missing count 3	Cont
11	R11LSATSC3M	r11lsatsc3m:w11	R	Satisfaction with life scale missing count 3	Cont
12	R12LSATSC3M	r12lsatsc3m:w12	R	Satisfaction with life scale missing count 3	Cont
13	R13LSATSC3M	r13lsatsc3m:w13	R	Satisfaction with life scale missing count 3	Cont
14	R14LSATSC3M	r14lsatsc3m:w14	R	Satisfaction with life scale missing count 3	Cont
15	R15LSATSC3M	r15lsatsc3m:w15	R	Satisfaction with life scale missing count 3	Cont
07	S7LSATSC3M	s7lsatsc3m:w7	S	Satisfaction with life scale missing count 3	Cont
08	S8LSATSC3M	s8lsatsc3m:w8	S	Satisfaction with life scale missing count 3	Cont
09	S9LSATSC3M	s9lsatsc3m:w9	S	Satisfaction with life scale missing count 3	Cont
10	S10LSATSC3M	s10lsatsc3m:w10	S	Satisfaction with life scale missing count 3	Cont
11	S11LSATSC3M	s11lsatsc3m:w11	S	Satisfaction with life scale missing count 3	Cont
12	S12LSATSC3M	s12lsatsc3m:w12	S	Satisfaction with life scale missing count 3	Cont
13	S13LSATSC3M	s13lsatsc3m:w13	S	Satisfaction with life scale missing count 3	Cont
14	S14LSATSC3M	s14lsatsc3m:w14	S	Satisfaction with life scale missing count 3	Cont
15	S15LSATSC3M	s15lsatsc3m:w15	S	Satisfaction with life scale missing count 3	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7LIDEAL	3192	5.10	1.43	1.00	7.00
R8LIDEAL	7530	5.07	1.85	1.00	7.00
R9LIDEAL	6894	4.71	1.87	1.00	7.00
R10LIDEAL	8197	4.65	1.88	1.00	7.00
R11LIDEAL	7193	4.52	1.89	1.00	7.00
R12LIDEAL	7404	4.85	1.81	1.00	7.00
R13LIDEAL	6262	4.87	1.81	1.00	7.00
R14LIDEAL	5629	4.92	1.80	1.00	7.00
R15LIDEAL	4587	4.87	1.79	1.00	7.00
S7LIDEAL	2286	5.24	1.37	1.00	7.00
S8LIDEAL	5091	5.25	1.76	1.00	7.00
S9LIDEAL	4349	4.96	1.79	1.00	7.00
S10LIDEAL	5277	4.88	1.81	1.00	7.00
S11LIDEAL	4542	4.76	1.81	1.00	7.00
S12LIDEAL	4577	5.04	1.75	1.00	7.00
S13LIDEAL	3736	5.10	1.73	1.00	7.00
S14LIDEAL	3347	5.12	1.74	1.00	7.00
S15LIDEAL	2634	5.10	1.72	1.00	7.00
R7LEXCL	3198	5.03	1.55	1.00	7.00
R8LEXCL	7527	5.01	1.87	1.00	7.00
R9LEXCL	6878	4.70	1.90	1.00	7.00
R10LEXCL	8186	4.66	1.90	1.00	7.00
R11LEXCL	7197	4.53	1.92	1.00	7.00



R12LEXCL	7412	4.85	1.82	1.00	7.00
R13LEXCL	6262	4.84	1.83	1.00	7.00
R14LEXCL	5629	4.93	1.81	1.00	7.00
R15LEXCL	4583	4.86	1.82	1.00	7.00
S7LEXCL	2280	5.19	1.46	1.00	7.00
S8LEXCL	5088	5.17	1.78	1.00	7.00
S9LEXCL	4344	4.92	1.83	1.00	7.00
S10LEXCL	5272	4.87	1.82	1.00	7.00
S11LEXCL	4540	4.73	1.85	1.00	7.00
S12LEXCL	4583	5.05	1.75	1.00	7.00
S13LEXCL	3740	5.06	1.75	1.00	7.00
S14LEXCL	3345	5.12	1.75	1.00	7.00
S15LEXCL	2635	5.11	1.72	1.00	7.00
R7LSTSF	3216	5.50	1.40	1.00	7.00
R8LSTSF	7567	5.48	1.75	1.00	7.00
R9LSTSF	6937	5.34	1.78	1.00	7.00
R10LSTSF	8227	5.22	1.83	1.00	7.00
R11LSTSF	7217	5.17	1.86	1.00	7.00
R12LSTSF	7432	5.33	1.77	1.00	7.00
R13LSTSF	6280	5.36	1.77	1.00	7.00
R14LSTSF	5644	5.41	1.73	1.00	7.00
R15LSTSF	4598	5.41	1.72	1.00	7.00
S7LSTSF	2293	5.61	1.31	1.00	7.00
S8LSTSF	5101	5.62	1.65	1.00	7.00
S9LSTSF	4361	5.53	1.67	1.00	7.00
S10LSTSF	5287	5.42	1.73	1.00	7.00
S11LSTSF	4548	5.36	1.77	1.00	7.00
S12LSTSF	4587	5.51	1.68	1.00	7.00
S13LSTSF	3734	5.55	1.65	1.00	7.00
S14LSTSF	3350	5.57	1.64	1.00	7.00
S15LSTSF	2639	5.63	1.60	1.00	7.00
R7LIMP TT	3210	5.56	1.36	1.00	7.00
R8LIMP TT	7552	5.52	1.70	1.00	7.00
R9LIMP TT	6937	5.41	1.72	1.00	7.00
R10LIMP TT	8227	5.31	1.76	1.00	7.00
R11LIMP TT	7227	5.26	1.78	1.00	7.00
R12LIMP TT	7441	5.38	1.72	1.00	7.00
R13LIMP TT	6290	5.40	1.70	1.00	7.00
R14LIMP TT	5654	5.44	1.70	1.00	7.00
R15LIMP TT	4609	5.52	1.63	1.00	7.00
S7LIMP TT	2290	5.68	1.28	1.00	7.00
S8LIMP TT	5099	5.70	1.57	1.00	7.00
S9LIMP TT	4363	5.59	1.61	1.00	7.00
S10LIMP TT	5291	5.53	1.63	1.00	7.00
S11LIMP TT	4558	5.43	1.71	1.00	7.00
S12LIMP TT	4589	5.56	1.61	1.00	7.00
S13LIMP TT	3743	5.60	1.60	1.00	7.00
S14LIMP TT	3356	5.63	1.59	1.00	7.00
S15LIMP TT	2643	5.75	1.47	1.00	7.00
R7LCHNOT	3208	4.66	1.81	1.00	7.00
R8LCHNOT	7553	4.53	2.10	1.00	7.00
R9LCHNOT	6937	4.43	2.08	1.00	7.00
R10LCHNOT	8234	4.35	2.08	1.00	7.00
R11LCHNOT	7238	4.28	2.08	1.00	7.00
R12LCHNOT	7454	4.43	2.03	1.00	7.00
R13LCHNOT	6295	4.41	2.05	1.00	7.00
R14LCHNOT	5667	4.47	2.03	1.00	7.00

R15LCHNOT	4614	4.45	2.02	1.00	7.00
S7LCHNOT	2286	4.77	1.75	1.00	7.00
S8LCHNOT	5094	4.71	2.03	1.00	7.00
S9LCHNOT	4361	4.57	2.04	1.00	7.00
S10LCHNOT	5288	4.51	2.02	1.00	7.00
S11LCHNOT	4560	4.44	2.05	1.00	7.00
S12LCHNOT	4600	4.57	1.99	1.00	7.00
S13LCHNOT	3747	4.58	2.01	1.00	7.00
S14LCHNOT	3363	4.65	1.97	1.00	7.00
S15LCHNOT	2647	4.67	1.97	1.00	7.00
R7LSATSC	3211	5.17	1.26	1.00	7.00
R8LSATSC	7594	5.12	1.53	1.00	7.00
R9LSATSC	6953	4.92	1.53	1.00	7.00
R10LSATSC	8254	4.84	1.57	1.00	7.00
R11LSATSC	7252	4.75	1.57	1.00	7.00
R12LSATSC	7465	4.97	1.53	1.00	7.00
R13LSATSC	6306	4.97	1.51	1.00	7.00
R14LSATSC	5674	5.03	1.51	1.00	7.00
R15LSATSC	4620	5.02	1.48	1.00	7.00
S7LSATSC	2291	5.30	1.20	1.00	7.00
S8LSATSC	5122	5.29	1.45	1.00	7.00
S9LSATSC	4371	5.11	1.47	1.00	7.00
S10LSATSC	5305	5.04	1.50	1.00	7.00
S11LSATSC	4570	4.94	1.52	1.00	7.00
S12LSATSC	4602	5.15	1.47	1.00	7.00
S13LSATSC	3750	5.17	1.45	1.00	7.00
S14LSATSC	3365	5.22	1.45	1.00	7.00
S15LSATSC	2652	5.25	1.39	1.00	7.00
R7LSATSCM	3271	0.10	0.64	0.00	5.00
R8LSATSCM	7730	0.12	0.63	0.00	5.00
R9LSATSCM	7073	0.11	0.62	0.00	5.00
R10LSATSCM	8332	0.07	0.48	0.00	5.00
R11LSATSCM	7412	0.13	0.72	0.00	5.00
R12LSATSCM	7541	0.07	0.51	0.00	5.00
R13LSATSCM	6370	0.07	0.49	0.00	5.00
R14LSATSCM	5739	0.08	0.54	0.00	5.00
R15LSATSCM	4670	0.08	0.52	0.00	5.00
S7LSATSCM	2326	0.08	0.59	0.00	5.00
S8LSATSCM	5190	0.09	0.55	0.00	5.00
S9LSATSCM	4429	0.08	0.55	0.00	5.00
S10LSATSCM	5335	0.05	0.39	0.00	5.00
S11LSATSCM	4636	0.09	0.60	0.00	5.00
S12LSATSCM	4635	0.05	0.43	0.00	5.00
S13LSATSCM	3780	0.05	0.44	0.00	5.00
S14LSATSCM	3398	0.07	0.50	0.00	5.00
S15LSATSCM	2668	0.05	0.41	0.00	5.00
R7LIDEAL3	3192	2.58	0.72	1.00	3.00
R8LIDEAL3	7530	2.51	0.86	1.00	3.00
R9LIDEAL3	6894	2.36	0.86	1.00	3.00
R10LIDEAL3	8197	2.33	0.87	1.00	3.00
R11LIDEAL3	7193	2.26	0.89	1.00	3.00
R12LIDEAL3	7404	2.41	0.83	1.00	3.00
R13LIDEAL3	6262	2.42	0.83	1.00	3.00
R14LIDEAL3	5629	2.44	0.82	1.00	3.00
R15LIDEAL3	4587	2.43	0.82	1.00	3.00
S7LIDEAL3	2286	2.64	0.68	1.00	3.00

S8LIDEAL3	5091	2.59	0.81	1.00	3.00
S9LIDEAL3	4349	2.46	0.82	1.00	3.00
S10LIDEAL3	5277	2.42	0.84	1.00	3.00
S11LIDEAL3	4542	2.36	0.86	1.00	3.00
S12LIDEAL3	4577	2.49	0.80	1.00	3.00
S13LIDEAL3	3736	2.51	0.79	1.00	3.00
S14LIDEAL3	3347	2.51	0.79	1.00	3.00
S15LIDEAL3	2634	2.52	0.78	1.00	3.00
R7LEXCL3	3198	2.53	0.78	1.00	3.00
R8LEXCL3	7527	2.48	0.88	1.00	3.00
R9LEXCL3	6878	2.35	0.88	1.00	3.00
R10LEXCL3	8186	2.33	0.89	1.00	3.00
R11LEXCL3	7197	2.26	0.91	1.00	3.00
R12LEXCL3	7412	2.41	0.86	1.00	3.00
R13LEXCL3	6262	2.40	0.86	1.00	3.00
R14LEXCL3	5629	2.44	0.84	1.00	3.00
R15LEXCL3	4583	2.40	0.85	1.00	3.00
S7LEXCL3	2280	2.60	0.73	1.00	3.00
S8LEXCL3	5088	2.54	0.84	1.00	3.00
S9LEXCL3	4344	2.44	0.85	1.00	3.00
S10LEXCL3	5272	2.42	0.85	1.00	3.00
S11LEXCL3	4540	2.34	0.88	1.00	3.00
S12LEXCL3	4583	2.49	0.82	1.00	3.00
S13LEXCL3	3740	2.49	0.81	1.00	3.00
S14LEXCL3	3345	2.51	0.80	1.00	3.00
S15LEXCL3	2635	2.51	0.80	1.00	3.00
R7LSTSF3	3216	2.71	0.66	1.00	3.00
R8LSTSF3	7567	2.65	0.76	1.00	3.00
R9LSTSF3	6937	2.58	0.77	1.00	3.00
R10LSTSF3	8227	2.53	0.80	1.00	3.00
R11LSTSF3	7217	2.51	0.82	1.00	3.00
R12LSTSF3	7432	2.58	0.77	1.00	3.00
R13LSTSF3	6280	2.59	0.77	1.00	3.00
R14LSTSF3	5644	2.61	0.75	1.00	3.00
R15LSTSF3	4598	2.61	0.74	1.00	3.00
S7LSTSF3	2293	2.76	0.61	1.00	3.00
S8LSTSF3	5101	2.70	0.71	1.00	3.00
S9LSTSF3	4361	2.66	0.71	1.00	3.00
S10LSTSF3	5287	2.61	0.75	1.00	3.00
S11LSTSF3	4548	2.58	0.78	1.00	3.00
S12LSTSF3	4587	2.64	0.73	1.00	3.00
S13LSTSF3	3734	2.66	0.72	1.00	3.00
S14LSTSF3	3350	2.66	0.71	1.00	3.00
S15LSTSF3	2639	2.69	0.68	1.00	3.00
R7LIMPTT3	3210	2.74	0.63	1.00	3.00
R8LIMPTT3	7552	2.67	0.74	1.00	3.00
R9LIMPTT3	6937	2.62	0.75	1.00	3.00
R10LIMPTT3	8227	2.59	0.77	1.00	3.00
R11LIMPTT3	7227	2.56	0.78	1.00	3.00
R12LIMPTT3	7441	2.61	0.74	1.00	3.00
R13LIMPTT3	6290	2.62	0.74	1.00	3.00
R14LIMPTT3	5654	2.63	0.73	1.00	3.00
R15LIMPTT3	4609	2.66	0.71	1.00	3.00
S7LIMPTT3	2290	2.79	0.57	1.00	3.00
S8LIMPTT3	5099	2.74	0.68	1.00	3.00
S9LIMPTT3	4363	2.69	0.69	1.00	3.00
S10LIMPTT3	5291	2.67	0.71	1.00	3.00

S11LIMPTT3	4558	2.63	0.74	1.00	3.00
S12LIMPTT3	4589	2.68	0.69	1.00	3.00
S13LIMPTT3	3743	2.68	0.69	1.00	3.00
S14LIMPTT3	3356	2.70	0.67	1.00	3.00
S15LIMPTT3	2643	2.74	0.62	1.00	3.00
R7LCHNOT3	3208	2.34	0.90	1.00	3.00
R8LCHNOT3	7553	2.25	0.97	1.00	3.00
R9LCHNOT3	6937	2.20	0.94	1.00	3.00
R10LCHNOT3	8234	2.17	0.94	1.00	3.00
R11LCHNOT3	7238	2.13	0.95	1.00	3.00
R12LCHNOT3	7454	2.20	0.93	1.00	3.00
R13LCHNOT3	6295	2.19	0.93	1.00	3.00
R14LCHNOT3	5667	2.21	0.93	1.00	3.00
R15LCHNOT3	4614	2.20	0.93	1.00	3.00
S7LCHNOT3	2286	2.39	0.88	1.00	3.00
S8LCHNOT3	5094	2.33	0.95	1.00	3.00
S9LCHNOT3	4361	2.26	0.93	1.00	3.00
S10LCHNOT3	5288	2.24	0.93	1.00	3.00
S11LCHNOT3	4560	2.20	0.94	1.00	3.00
S12LCHNOT3	4600	2.27	0.92	1.00	3.00
S13LCHNOT3	3747	2.27	0.92	1.00	3.00
S14LCHNOT3	3363	2.29	0.91	1.00	3.00
S15LCHNOT3	2647	2.29	0.91	1.00	3.00
R7LSATSC3	3211	2.58	0.58	1.00	3.00
R8LSATSC3	7594	2.51	0.65	1.00	3.00
R9LSATSC3	6953	2.42	0.65	1.00	3.00
R10LSATSC3	8254	2.39	0.68	1.00	3.00
R11LSATSC3	7252	2.35	0.68	1.00	3.00
R12LSATSC3	7465	2.44	0.66	1.00	3.00
R13LSATSC3	6306	2.44	0.65	1.00	3.00
R14LSATSC3	5674	2.46	0.65	1.00	3.00
R15LSATSC3	4620	2.46	0.63	1.00	3.00
S7LSATSC3	2291	2.63	0.54	1.00	3.00
S8LSATSC3	5122	2.58	0.62	1.00	3.00
S9LSATSC3	4371	2.50	0.62	1.00	3.00
S10LSATSC3	5305	2.47	0.64	1.00	3.00
S11LSATSC3	4570	2.42	0.66	1.00	3.00
S12LSATSC3	4602	2.51	0.63	1.00	3.00
S13LSATSC3	3750	2.52	0.62	1.00	3.00
S14LSATSC3	3365	2.53	0.62	1.00	3.00
S15LSATSC3	2652	2.55	0.58	1.00	3.00
R7LSATSC3M	3271	0.10	0.64	0.00	5.00
R8LSATSC3M	7730	0.12	0.63	0.00	5.00
R9LSATSC3M	7073	0.11	0.62	0.00	5.00
R10LSATSC3M	8332	0.07	0.48	0.00	5.00
R11LSATSC3M	7412	0.13	0.72	0.00	5.00
R12LSATSC3M	7541	0.07	0.51	0.00	5.00
R13LSATSC3M	6370	0.07	0.49	0.00	5.00
R14LSATSC3M	5739	0.08	0.54	0.00	5.00
R15LSATSC3M	4670	0.08	0.52	0.00	5.00
S7LSATSC3M	2326	0.08	0.59	0.00	5.00
S8LSATSC3M	5190	0.09	0.55	0.00	5.00
S9LSATSC3M	4429	0.08	0.55	0.00	5.00
S10LSATSC3M	5335	0.05	0.39	0.00	5.00
S11LSATSC3M	4636	0.09	0.60	0.00	5.00
S12LSATSC3M	4635	0.05	0.43	0.00	5.00
S13LSATSC3M	3780	0.05	0.44	0.00	5.00

S14LSATSC3M	3398	0.07	0.50	0.00	5.00
S15LSATSC3M	2668	0.05	0.41	0.00	5.00

### Categorical Variable Codes

Value-----	R7LIDEAL	R8LIDEAL	R9LIDEAL	R10LIDEAL
.c:no self-completion quest	12439	10739	10144	13702
.m:Missing	79	200	179	135
.s:no psychosocial question	4419			
1.strongly disagree	70	521	607	757
2.disagree	182	671	602	748
3.slightly disagree	191	642	549	710
4.neither agree nor disagree	441		919	1047
5.slightly agree	675	1251	1010	1262
6.agree	1298	3005	2135	2443
7.strongly agree	335	1440	1072	1230

Value-----	R11LIDEAL	R12LIDEAL	R13LIDEAL	R14LIDEAL	R15LIDEAL
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	219	137	108	110	83
1.strongly disagree	684	534	435	384	323
2.disagree	728	591	479	407	344
3.slightly disagree	722	543	506	428	332
4.neither agree nor disagree	1019	1052	815	728	629
5.slightly agree	1048	1043	891	839	702
6.agree	2029	2375	2052	1806	1493
7.strongly agree	963	1266	1084	1037	764

Value-----	S7LIDEAL	S8LIDEAL	S9LIDEAL	S10LIDEAL
.c:no self-completion quest	7591	6538	6211	8173
.m:Missing	40	99	80	58
.s:no psychosocial question	3051			
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
1.strongly disagree	38	280	290	367
2.disagree	104	387	319	425
3.slightly disagree	127	384	303	415
4.neither agree nor disagree	280		521	625
5.slightly agree	479	810	620	803
6.agree	978	2132	1521	1721
7.strongly agree	280	1098	775	921

Value-----	S11LIDEAL	S12LIDEAL	S13LIDEAL	S14LIDEAL	S15LIDEAL
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	94	58	44	51	34
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.strongly disagree	313	262	191	174	136
2.disagree	405	322	253	219	180
3.slightly disagree	420	306	267	232	153
4.neither agree nor disagree	617	573	419	374	321
5.slightly agree	672	635	534	479	386
6.agree	1407	1576	1303	1136	929
7.strongly agree	708	903	769	733	529

Value-----	R7LEXCL	R8LEXCL	R9LEXCL	R10LEXCL
.c:no self-completion quest	12439	10739	10144	13702
.m:Missing	73	203	195	146
.s:no psychosocial question	4419			
1.strongly disagree	102	532	614	745
2.disagree	203	686	649	785
3.slightly disagree	265	748	643	802
4.neither agree nor disagree	351		691	822
5.slightly agree	692	1302	1068	1318
6.agree	1188	2797	2077	2445
7.strongly agree	397	1462	1136	1269

Value-----	R11LEXCL	R12LEXCL	R13LEXCL	R14LEXCL	R15LEXCL
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	215	129	108	110	87
1.strongly disagree	714	513	459	369	310
2.disagree	717	610	489	431	383
3.slightly disagree	837	700	589	491	418
4.neither agree nor disagree	778	764	666	593	509

5.slightly agree	1101	1177	986	851	697
6.agree	2007	2360	2002	1816	1436
7.strongly agree	1043	1288	1071	1078	830

Value-----		S7LEXCL	S8LEXCL	S9LEXCL	S10LEXCL
.c:no self-completion quest		7591	6538	6211	8173
.m:Missing		46	102	85	63
.s:no psychosocial question		3051			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.strongly disagree		50	277	297	356
2.disagree		108	412	362	447
3.slightly disagree		174	469	363	481
4.neither agree nor disagree		245		406	512
5.slightly agree		484	842	674	842
6.agree		893	2010	1431	1712
7.strongly agree		326	1078	811	922

Value-----	S11LEXCL	S12LEXCL	S13LEXCL	S14LEXCL	S15LEXCL
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	96	52	40	53	33
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.strongly disagree	336	243	215	174	125
2.disagree	410	340	239	231	179
3.slightly disagree	506	371	317	259	205
4.neither agree nor disagree	481	424	353	313	267
5.slightly agree	699	736	575	495	401
6.agree	1359	1565	1299	1130	899
7.strongly agree	749	904	742	743	559

Value-----		R7LSTSF	R8LSTSF	R9LSTSF	R10LSTSF
.c:no self-completion quest		12439	10739	10144	13702
.m:Missing		55	163	136	105
.s:no psychosocial question		4419			
1.strongly disagree		55	410	390	502
2.disagree		140	457	440	613
3.slightly disagree		167	465	390	519
4.neither agree nor disagree		199		441	564
5.slightly agree		519	1064	934	1067
6.agree		1499	2775	2240	2659
7.strongly agree		637	2396	2102	2303

Value-----	R11LSTSF	R12LSTSF	R13LSTSF	R14LSTSF	R15LSTSF
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	195	109	90	95	72
1.strongly disagree	480	409	342	262	225
2.disagree	503	432	371	323	239
3.slightly disagree	546	482	390	348	257
4.neither agree nor disagree	497	496	385	362	353
5.slightly agree	945	912	794	734	614
6.agree	2259	2531	2120	1841	1446
7.strongly agree	1987	2170	1878	1774	1464

Value-----		S7LSTSF	S8LSTSF	S9LSTSF	S10LSTSF
.c:no self-completion quest		7591	6538	6211	8173
.m:Missing		33	89	68	48
.s:no psychosocial question		3051			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.strongly disagree		26	215	184	235
2.disagree		80	267	234	342
3.slightly disagree		109	280	198	287
4.neither agree nor disagree		131		245	324
5.slightly agree		349	671	571	657
6.agree		1096	1952	1481	1805
7.strongly agree		502	1716	1448	1637

Value-----	S11LSTSF	S12LSTSF	S13LSTSF	S14LSTSF	S15LSTSF
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	88	48	46	48	29
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.strongly disagree	227	197	142	117	92
2.disagree	277	231	190	173	117
3.slightly disagree	313	255	210	183	112

4.neither agree nor disagree	295	269	197	187	175
5.slightly agree	540	528	435	413	327
6.agree	1495	1606	1316	1110	863
7.strongly agree	1401	1501	1244	1167	953

Value-----		R7LIMPPT	R8LIMPPT	R9LIMPPT	R10LIMPPT
.c:no self-completion quest		12439	10739	10144	13702
.m:Missing		61	178	136	105
.s:no psychosocial question		4419			
1.strongly disagree		55	379	332	450
2.disagree		123	412	393	503
3.slightly disagree		144	454	385	480
4.neither agree nor disagree		180		444	545
5.slightly agree		547	1054	950	1215
6.agree		1472	2904	2283	2677
7.strongly agree		689	2349	2150	2357

Value-----	R11LIMPPT	R12LIMPPT	R13LIMPPT	R14LIMPPT	R15LIMPPT
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	185	100	80	85	61
1.strongly disagree	412	379	282	279	170
2.disagree	449	389	346	276	203
3.slightly disagree	438	410	353	293	260
4.neither agree nor disagree	552	527	455	401	313
5.slightly agree	1066	1068	884	790	635
6.agree	2286	2480	2077	1837	1520
7.strongly agree	2024	2188	1893	1778	1508

Value-----		S7LIMPPT	S8LIMPPT	S9LIMPPT	S10LIMPPT
.c:no self-completion quest		7591	6538	6211	8173
.m:Missing		36	91	66	44
.s:no psychosocial question		3051			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.strongly disagree		27	188	158	204
2.disagree		68	229	213	258
3.slightly disagree		88	256	186	269
4.neither agree nor disagree		120		242	301
5.slightly agree		374	655	578	747
6.agree		1062	2030	1499	1814
7.strongly agree		551	1741	1487	1698

Value-----	S11LIMPPT	S12LIMPPT	S13LIMPPT	S14LIMPPT	S15LIMPPT
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	78	46	37	42	25
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.strongly disagree	219	183	121	117	57
2.disagree	233	187	178	145	94
3.slightly disagree	245	216	179	140	110
4.neither agree nor disagree	315	286	243	209	155
5.slightly agree	625	622	456	438	332
6.agree	1488	1591	1273	1114	922
7.strongly agree	1433	1504	1293	1193	973

Value-----		R7LCHNOT	R8LCHNOT	R9LCHNOT	R10LCHNOT
.c:no self-completion quest		12439	10739	10144	13702
.m:Missing		63	177	136	98
.s:no psychosocial question		4419			
1.strongly disagree		198	957	928	1158
2.disagree		369	915	764	931
3.slightly disagree		378	947	803	1002
4.neither agree nor disagree		222		569	652
5.slightly agree		643	1126	892	1107
6.agree		997	2277	1737	2045
7.strongly agree		401	1331	1244	1339

Value-----	R11LCHNOT	R12LCHNOT	R13LCHNOT	R14LCHNOT	R15LCHNOT
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	174	87	75	72	56
1.strongly disagree	1052	907	835	690	535
2.disagree	827	846	672	602	507
3.slightly disagree	952	896	738	689	591
4.neither agree nor disagree	614	667	584	487	433
5.slightly agree	956	996	852	779	598
6.agree	1654	1930	1553	1439	1150

7.strongly agree	1183	1212	1061	981	800
Value-----		S7LCHNOT	S8LCHNOT	S9LCHNOT	S10LCHNOT
.c:no self-completion quest		7591	6538	6211	8173
.m:Missing		40	96	68	47
.s:no psychosocial question		3051			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.strongly disagree		114	520	502	614
2.disagree		240	577	456	565
3.slightly disagree		268	620	491	617
4.neither agree nor disagree		157		331	404
5.slightly agree		469	762	579	771
6.agree		736	1671	1170	1426
7.strongly agree		302	944	832	891
Value-----	S11LCHNOT	S12LCHNOT	S13LCHNOT	S14LCHNOT	S15LCHNOT
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	76	35	33	35	21
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.strongly disagree	570	484	406	322	250
2.disagree	486	478	385	336	260
3.slightly disagree	582	533	422	392	309
4.neither agree nor disagree	379	386	321	272	237
5.slightly agree	620	635	522	483	346
6.agree	1128	1304	1004	929	737
7.strongly agree	795	780	687	629	508
Value-----		R7LIDEAL3	R8LIDEAL3	R9LIDEAL3	R10LIDEAL3
.c:no self-completion quest		12439	10739	10144	13702
.m:Missing		79	200	179	135
.s:no psychosocial question		4419			
1.disagree		443	1834	1758	2215
2.neither agree nor disagree		441		919	1047
3.agree		2308	5696	4217	4935
Value-----	R11LIDEAL3	R12LIDEAL3	R13LIDEAL3	R14LIDEAL3	R15LIDEAL3
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	219	137	108	110	83
1.disagree	2134	1668	1420	1219	999
2.neither agree nor disagree	1019	1052	815	728	629
3.agree	4040	4684	4027	3682	2959
Value-----		S7LIDEAL3	S8LIDEAL3	S9LIDEAL3	S10LIDEAL3
.c:no self-completion quest		7591	6538	6211	8173
.m:Missing		40	99	80	58
.s:no psychosocial question		3051			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.disagree		269	1051	912	1207
2.neither agree nor disagree		280		521	625
3.agree		1737	4040	2916	3445
Value-----	S11LIDEAL3	S12LIDEAL3	S13LIDEAL3	S14LIDEAL3	S15LIDEAL3
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	94	58	44	51	34
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.disagree	1138	890	711	625	469
2.neither agree nor disagree	617	573	419	374	321
3.agree	2787	3114	2606	2348	1844
Value-----		R7LEXCL3	R8LEXCL3	R9LEXCL3	R10LEXCL3
.c:no self-completion quest		12439	10739	10144	13702
.m:Missing		73	203	195	146
.s:no psychosocial question		4419			
1.disagree		570	1966	1906	2332
2.neither agree nor disagree		351		691	822
3.agree		2277	5561	4281	5032
Value-----	R11LEXCL3	R12LEXCL3	R13LEXCL3	R14LEXCL3	R15LEXCL3
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	215	129	108	110	87
1.disagree	2268	1823	1537	1291	1111
2.neither agree nor disagree	778	764	666	593	509



3.agree	4151	4825	4059	3745	2963
Value-----		S7LEXCL3	S8LEXCL3	S9LEXCL3	S10LEXCL3
.c:no self-completion quest		7591	6538	6211	8173
.m:Missing		46	102	85	63
.s:no psychosocial question		3051			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.disagree		332	1158	1022	1284
2.neither agree nor disagree		245		406	512
3.agree		1703	3930	2916	3476
Value-----	S11LEXCL3	S12LEXCL3	S13LEXCL3	S14LEXCL3	S15LEXCL3
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	96	52	40	53	33
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.disagree	1252	954	771	664	509
2.neither agree nor disagree	481	424	353	313	267
3.agree	2807	3205	2616	2368	1859
Value-----		R7LSTSF3	R8LSTSF3	R9LSTSF3	R10LSTSF3
.c:no self-completion quest		12439	10739	10144	13702
.m:Missing		55	163	136	105
.s:no psychosocial question		4419			
1.disagree		362	1332	1220	1634
2.neither agree nor disagree		199		441	564
3.agree		2655	6235	5276	6029
Value-----	R11LSTSF3	R12LSTSF3	R13LSTSF3	R14LSTSF3	R15LSTSF3
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	195	109	90	95	72
1.disagree	1529	1323	1103	933	721
2.neither agree nor disagree	497	496	385	362	353
3.agree	5191	5613	4792	4349	3524
Value-----		S7LSTSF3	S8LSTSF3	S9LSTSF3	S10LSTSF3
.c:no self-completion quest		7591	6538	6211	8173
.m:Missing		33	89	68	48
.s:no psychosocial question		3051			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.disagree		215	762	616	864
2.neither agree nor disagree		131		245	324
3.agree		1947	4339	3500	4099
Value-----	S11LSTSF3	S12LSTSF3	S13LSTSF3	S14LSTSF3	S15LSTSF3
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	88	48	46	48	29
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.disagree	817	683	542	473	321
2.neither agree nor disagree	295	269	197	187	175
3.agree	3436	3635	2995	2690	2143
Value-----		R7LIMPPT3	R8LIMPPT3	R9LIMPPT3	R10LIMPPT3
.c:no self-completion quest		12439	10739	10144	13702
.m:Missing		61	178	136	105
.s:no psychosocial question		4419			
1.disagree		322	1245	1110	1433
2.neither agree nor disagree		180		444	545
3.agree		2708	6307	5383	6249
Value-----	R11LIMPPT3	R12LIMPPT3	R13LIMPPT3	R14LIMPPT3	R15LIMPPT3
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	185	100	80	85	61
1.disagree	1299	1178	981	848	633
2.neither agree nor disagree	552	527	455	401	313
3.agree	5376	5736	4854	4405	3663
Value-----		S7LIMPPT3	S8LIMPPT3	S9LIMPPT3	S10LIMPPT3
.c:no self-completion quest		7591	6538	6211	8173
.m:Missing		36	91	66	44
.s:no psychosocial question		3051			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722

1.disagree		183	673	557	731
2.neither agree nor disagree		120		242	301
3.agree		1987	4426	3564	4259
Value-----	S11LIMP3	S12LIMP3	S13LIMP3	S14LIMP3	S15LIMP3
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	78	46	37	42	25
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.disagree	697	586	478	402	261
2.neither agree nor disagree	315	286	243	209	155
3.agree	3546	3717	3022	2745	2227
Value-----		R7LCHNOT3	R8LCHNOT3	R9LCHNOT3	R10LCHNOT3
.c:no self-completion quest		12439	10739	10144	13702
.m:Missing		63	177	136	98
.s:no psychosocial question		4419			
1.disagree		945	2819	2495	3091
2.neither agree nor disagree		222		569	652
3.agree		2041	4734	3873	4491
Value-----	R11LCHNOT3	R12LCHNOT3	R13LCHNOT3	R14LCHNOT3	R15LCHNOT3
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	174	87	75	72	56
1.disagree	2831	2649	2245	1981	1633
2.neither agree nor disagree	614	667	584	487	433
3.agree	3793	4138	3466	3199	2548
Value-----		S7LCHNOT3	S8LCHNOT3	S9LCHNOT3	S10LCHNOT3
.c:no self-completion quest		7591	6538	6211	8173
.m:Missing		40	96	68	47
.s:no psychosocial question		3051			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.disagree		622	1717	1449	1796
2.neither agree nor disagree		157		331	404
3.agree		1507	3377	2581	3088
Value-----	S11LCHNOT3	S12LCHNOT3	S13LCHNOT3	S14LCHNOT3	S15LCHNOT3
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	76	35	33	35	21
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.disagree	1638	1495	1213	1050	819
2.neither agree nor disagree	379	386	321	272	237
3.agree	2543	2719	2213	2041	1591

### How Constructed:

RwLIDEAL indicates how much the respondent agrees that in most ways their life is close to ideal using a 7-point scale.

RwLEXCL indicates how much the respondent agrees that the conditions of their life are excellent using a 7-point scale.

RwLSTSF indicates how much the respondent agrees that they are satisfied with their life using a 7-point scale.

RwLIMP3TT indicates how much the respondent agrees that they have gotten the important things they want in life using a 7-point scale.

RwLCHNOT indicates how much the respondent agrees that if they could live again, they would change almost nothing using a 7-point scale.

A code of 1 is assigned if the respondent strongly disagreed with the statement. A code of 2 is assigned if the respondent disagreed with the statement. A code of 3 is assigned if the respondent slightly disagreed with the statement. A code of 4 is assigned if the respondent neither agreed nor disagreed with the statement. A code of 5 is assigned if the respondent slightly agreed with the statement. A code of 6 is assigned if the respondent agreed with the statement. A code of 7 is assigned if the respondent strongly agreed with the statement. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every

two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. These variables are assigned special missing .s in Wave 7 if the respondent was not asked to complete the psychosocial self-completion questionnaire in that wave. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to blank missing (.) if the respondent did not participate in the current wave.

SwLIDEAL, SwLEXCL, SwLSTSF, SwLIMPTT, and SwLCHNOT indicate the current wave's spouse's level of agreement with the statements about their life satisfaction and are taken from the spouse's values to RwlIDEAL, RwlEXCL, RwlSTSF, RwlIMPTT, and RwlCHNOT. In addition to the special missing codes used in RwlIDEAL, RwlEXCL, RwlSTSF, RwlIMPTT, and RwlCHNOT, SwLIDEAL, SwLEXCL, SwLSTSF, SwLIMPTT, and SwLCHNOT employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLSATSC indicates the mean of the five different life satisfaction questions (RwlIDEAL, RwlEXCL, RwlSTSF, RwlIMPTT, and RwlCHNOT) and can be used as a summary score. RwLSATSC is calculated for any respondent with at least two non-missing values for its five components. RwLSATSCM counts the number of components with missing values in RwLSATSC, with could be between no missing components (0) and five missing components (5). These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. These variables are assigned special missing .s in Wave 7 if the respondent was not asked to complete the psychosocial self-completion questionnaire in that wave. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to blank missing (.) if the respondent did not participate in the current wave.

SwLSATSC and SwLSATSCM indicate the mean summary score of five different life satisfaction questions and the count of any missing components in that score for the current wave's spouse and are taken from the spouse's values to RwLSATSC and RwLSATSCM. In addition to the special missing codes used in RwLSATSC and RwLSATSCM, SwLSATSC and SwLSATSCM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwlIDEAL3 indicates how much the respondent agrees that in most ways their life is close to ideal using a 3-point scale.

RwlEXCL3 indicates how much the respondent agrees that the conditions of their life are excellent using a 3-point scale.

RwlSTSF3 indicates how much the respondent agrees that they are satisfied with their life using a 3-point scale.

RwlIMPTT3 indicates how much the respondent agrees that they have gotten the important things they want in life using a 3-point scale.

RwlCHNOT3 indicates how much the respondent agrees that if they could live again, they would change almost nothing using a 3-point scale.

A code of 1 is assigned if the respondent strongly disagreed, disagreed, or slightly disagreed with the statement. A code of 2 is assigned if the respondent neither agreed nor disagreed with the statement. A code of 3 is assigned if the respondent slightly agreed, agreed, or strongly agreed with the statement. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. These variables are assigned special missing .s in Wave 7 if the respondent was not asked to complete the psychosocial self-completion questionnaire in that wave. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to blank missing (.) if the respondent did not participate in the current wave.

SwLIDEAL3, SwLEXCL3, SwLSTSF3, SwLIMPTT3, and SwLCHNOT3 indicate the current wave's spouse's level of agreement with the statements about their life satisfaction and are taken from the spouse's values to RwlIDEAL3, RwlEXCL3, RwlSTSF3, RwlIMPTT3, and RwlCHNOT3. In addition to the special missing codes used in RwlIDEAL3, RwlEXCL3, RwlSTSF3, RwlIMPTT3, and RwlCHNOT3, SwLIDEAL3, SwLEXCL3, SwLSTSF3, SwLIMPTT3, and SwLCHNOT3 employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLSATSC3 indicates the mean of the five different life satisfaction questions (RwlIDEAL3, RwlEXCL3, RwlSTSF3, RwlIMPTT3, and RwlCHNOT3) and can be used as a summary score. RwLSATSC3 is calculated for any respondent with at least two non-missing values for its five components. RwLSATSC3M counts the number of components with missing values in RwLSATSC3, with could be between no missing components (0) and five missing components (5). These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not did not return their survey are assigned special missing code .c. These variables are assigned special missing .s in Wave 7 if the respondent was not asked to complete the psychosocial self-completion questionnaire in that wave. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to blank missing (.) if the respondent did not participate in the current wave.

SwLSATSC3 and SwLSATSC3M indicate the mean summary score of five different life satisfaction questions and the count of any missing components in that score for the current wave's spouse and are taken from the spouse's values to RwLSATSC3 and RwLSATSC3M. In addition to the special missing codes used in RwLSATSC3 and RwLSATSC3M, SwLSATSC3 and SwLSATSC3M employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

The questions about the respondent's agreements with statements about their life satisfaction were added to HRS starting in Wave 7.

In Wave 7, those eligible for a self-completion questionnaire were split between receiving a psychosocial questionnaire and a disability questionnaire. As such, these variables use a special missing .s in Wave 7 if the respondent was asked to complete the disability questionnaire and not the psychosocial questionnaire.

The scale directionality changes across waves. In Wave 7, the response scale ranges from 1.Strongly agree to 7.Strongly disagree. In Wave 8, the response scale omits the option for "neither agree nor disagree" and ranges from 1.Strongly agree to 6.Strongly disagree. Starting in Wave 9, the response scale ranges from 1.Strongly disagree to 7.Strongly agree. The responses in Waves 7 and 8 are reverse-coded to be consistent with the direction of the answer scale used in Wave 9 and onward.

## HRS Variables Used:

### Wave 7:

JLB505A	q5a. life is close to ideal
JLB505B	q5b. conditions of life are excellent
JLB505C	q5c. satisfied with life
JLB505D	q5d. have important things in life
JLB505E	q5e. change nothing if lived life over

### Wave 8:

KLB003A	q03a. life is close to ideal
KLB003B	q03b. conditions of life are excellent
KLB003C	q03c. satisfied with life
KLB003D	q03d. have important things in life
KLB003E	q03e. change nothing if lived life over

### Wave 9:

LLB003A	q03a. life is close to ideal
LLB003B	q03b. conditions of life are excellent

LLB003C q03c. satisfied with life  
LLB003D q03d. have important things in life  
LLB003E q03e. change nothing if lived life over

Wave 10:  
MLB003A q03a. life is close to ideal  
MLB003B q03b. conditions of life are excellent  
MLB003C q03c. satisfied with life  
MLB003D q03d. have important things in life  
MLB003E q03e. change nothing if lived life over

Wave 11:  
NLB003A q03a. life is close to ideal  
NLB003B q03b. conditions of life are excellent  
NLB003C q03c. satisfied with life  
NLB003D q03d. have important things in life  
NLB003E q03e. change nothing if lived life over

Wave 12:  
OLB002A q02a. life is close to ideal  
OLB002B q02b. conditions of life are excellent  
OLB002C q02c. satisfied with life  
OLB002D q02d. have important things in life  
OLB002E q02e. change nothing if lived life over

Wave 13:  
PLB002A q02a. life is close to ideal  
PLB002B q02b. conditions of life are excellent  
PLB002C q02c. satisfied with life  
PLB002D q02d. have important things in life  
PLB002E q02e. change nothing if lived life over

Wave 14:  
QLB002A q02a. life is close to ideal  
QLB002B q02b. life conditions are excellent  
QLB002C q02c. satisfied with life  
QLB002D q02d. have important things in life  
QLB002E q02e. change none if lived life over

Wave 15:  
RLB002A q02a. life is close to ideal  
RLB002B q02b. life conditions are excellent  
RLB002C q02c. satisfied with life  
RLB002D q02d. have important things in life  
RLB002E q02e. change none if lived life over

<b>Domain-Specific Satisfaction Items</b>
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Wave	Variable	Label	Type
09	R9SATHOME	r9sathome:w9 r satisfaction with accommodation 5-point	Categ
10	R10SATHOME	r10sathome:w10 r satisfaction with accommodation 5-point	Categ
11	R11SATHOME	r11sathome:w11 r satisfaction with accommodation 5-point	Categ
12	R12SATHOME	r12sathome:w12 r satisfaction with accommodation 5-point	Categ
13	R13SATHOME	r13sathome:w13 r satisfaction with accommodation 5-point	Categ
14	R14SATHOME	r14sathome:w14 r satisfaction with accommodation 5-point	Categ
15	R15SATHOME	r15sathome:w15 r satisfaction with accommodation 5-point	Categ
09	S9SATHOME	s9sathome:w9 s satisfaction with accommodation 5-point	Categ
10	S10SATHOME	s10sathome:w10 s satisfaction with accommodation 5-point	Categ
11	S11SATHOME	s11sathome:w11 s satisfaction with accommodation 5-point	Categ
12	S12SATHOME	s12sathome:w12 s satisfaction with accommodation 5-point	Categ
13	S13SATHOME	s13sathome:w13 s satisfaction with accommodation 5-point	Categ
14	S14SATHOME	s14sathome:w14 s satisfaction with accommodation 5-point	Categ
15	S15SATHOME	s15sathome:w15 s satisfaction with accommodation 5-point	Categ
09	R9SATAREA	r9satarea:w9 r satisfaction with city/town 5-point	Categ
10	R10SATAREA	r10satarea:w10 r satisfaction with city/town 5-point	Categ
11	R11SATAREA	r11satarea:w11 r satisfaction with city/town 5-point	Categ
12	R12SATAREA	r12satarea:w12 r satisfaction with city/town 5-point	Categ
13	R13SATAREA	r13satarea:w13 r satisfaction with city/town 5-point	Categ
14	R14SATAREA	r14satarea:w14 r satisfaction with city/town 5-point	Categ
15	R15SATAREA	r15satarea:w15 r satisfaction with city/town 5-point	Categ
09	S9SATAREA	s9satarea:w9 s satisfaction with city/town 5-point	Categ
10	S10SATAREA	s10satarea:w10 s satisfaction with city/town 5-point	Categ
11	S11SATAREA	s11satarea:w11 s satisfaction with city/town 5-point	Categ
12	S12SATAREA	s12satarea:w12 s satisfaction with city/town 5-point	Categ
13	S13SATAREA	s13satarea:w13 s satisfaction with city/town 5-point	Categ
14	S14SATAREA	s14satarea:w14 s satisfaction with city/town 5-point	Categ
15	S15SATAREA	s15satarea:w15 s satisfaction with city/town 5-point	Categ
09	R9SATLSR	r9satlsr:w9 r satisfaction with daily life/leisure activitie	Categ
10	R10SATLSR	r10satlsr:w10 r satisfaction with daily life/leisure activit	Categ
11	R11SATLSR	r11satlsr:w11 r satisfaction with daily life/leisure activit	Categ
12	R12SATLSR	r12satlsr:w12 r satisfaction with daily life/leisure activit	Categ
13	R13SATLSR	r13satlsr:w13 r satisfaction with daily life/leisure activit	Categ
14	R14SATLSR	r14satlsr:w14 r satisfaction with daily life/leisure activit	Categ
15	R15SATLSR	r15satlsr:w15 r satisfaction with daily life/leisure activit	Categ
09	S9SATLSR	s9satlsr:w9 s satisfaction with daily life/leisure activitie	Categ
10	S10SATLSR	s10satlsr:w10 s satisfaction with daily life/leisure activit	Categ
11	S11SATLSR	s11satlsr:w11 s satisfaction with daily life/leisure activit	Categ
12	S12SATLSR	s12satlsr:w12 s satisfaction with daily life/leisure activit	Categ
13	S13SATLSR	s13satlsr:w13 s satisfaction with daily life/leisure activit	Categ
14	S14SATLSR	s14satlsr:w14 s satisfaction with daily life/leisure activit	Categ
15	S15SATLSR	s15satlsr:w15 s satisfaction with daily life/leisure activit	Categ
09	R9SATFAM	r9satfam:w9 r satisfaction with family life 5-point	Categ
10	R10SATFAM	r10satfam:w10 r satisfaction with family life 5-point	Categ
11	R11SATFAM	r11satfam:w11 r satisfaction with family life 5-point	Categ
12	R12SATFAM	r12satfam:w12 r satisfaction with family life 5-point	Categ
13	R13SATFAM	r13satfam:w13 r satisfaction with family life 5-point	Categ
14	R14SATFAM	r14satfam:w14 r satisfaction with family life 5-point	Categ
15	R15SATFAM	r15satfam:w15 r satisfaction with family life 5-point	Categ
09	S9SATFAM	s9satfam:w9 s satisfaction with family life 5-point	Categ

10	R10SATFAM	r10satfam:w10	r	satisfaction with family life	5-point	Categ
11	S11SATFAM	s11satfam:w11	s	satisfaction with family life	5-point	Categ
12	R12SATFAM	r12satfam:w12	r	satisfaction with family life	5-point	Categ
13	S13SATFAM	s13satfam:w13	s	satisfaction with family life	5-point	Categ
14	R14SATFAM	r14satfam:w14	r	satisfaction with family life	5-point	Categ
15	S15SATFAM	s15satfam:w15	s	satisfaction with family life	5-point	Categ
09	R9SATFNNCL	r9satfnncl:w9	r	satisfaction with financial situation	5-poin	Categ
10	R10SATFNNCL	r10satfnncl:w10	r	satisfaction with financial situation	5-po	Categ
11	R11SATFNNCL	r11satfnncl:w11	r	satisfaction with financial situation	5-po	Categ
12	R12SATFNNCL	r12satfnncl:w12	r	satisfaction with financial situation	5-po	Categ
13	R13SATFNNCL	r13satfnncl:w13	r	satisfaction with financial situation	5-po	Categ
14	R14SATFNNCL	r14satfnncl:w14	r	satisfaction with financial situation	5-po	Categ
15	R15SATFNNCL	r15satfnncl:w15	r	satisfaction with financial situation	5-po	Categ
09	S9SATFNNCL	s9satfnncl:w9	s	satisfaction with financial situation	5-poin	Categ
10	S10SATFNNCL	s10satfnncl:w10	s	satisfaction with financial situation	5-po	Categ
11	S11SATFNNCL	s11satfnncl:w11	s	satisfaction with financial situation	5-po	Categ
12	S12SATFNNCL	s12satfnncl:w12	s	satisfaction with financial situation	5-po	Categ
13	S13SATFNNCL	s13satfnncl:w13	s	satisfaction with financial situation	5-po	Categ
14	S14SATFNNCL	s14satfnncl:w14	s	satisfaction with financial situation	5-po	Categ
15	S15SATFNNCL	s15satfnncl:w15	s	satisfaction with financial situation	5-po	Categ
09	R9SATHLTH	r9sathlth:w9	r	satisfaction with health	5-point	Categ
10	R10SATHLTH	r10sathlth:w10	r	satisfaction with health	5-point	Categ
11	R11SATHLTH	r11sathlth:w11	r	satisfaction with health	5-point	Categ
12	R12SATHLTH	r12sathlth:w12	r	satisfaction with health	5-point	Categ
13	R13SATHLTH	r13sathlth:w13	r	satisfaction with health	5-point	Categ
14	R14SATHLTH	r14sathlth:w14	r	satisfaction with health	5-point	Categ
15	R15SATHLTH	r15sathlth:w15	r	satisfaction with health	5-point	Categ
09	S9SATHLTH	s9sathlth:w9	s	satisfaction with health	5-point	Categ
10	S10SATHLTH	s10sathlth:w10	s	satisfaction with health	5-point	Categ
11	S11SATHLTH	s11sathlth:w11	s	satisfaction with health	5-point	Categ
12	S12SATHLTH	s12sathlth:w12	s	satisfaction with health	5-point	Categ
13	S13SATHLTH	s13sathlth:w13	s	satisfaction with health	5-point	Categ
14	S14SATHLTH	s14sathlth:w14	s	satisfaction with health	5-point	Categ
15	S15SATHLTH	s15sathlth:w15	s	satisfaction with health	5-point	Categ
09	R9SATWLIFE	r9satwlife:w9	r	satisfaction with life as a whole	5-point	Categ
10	R10SATWLIFE	r10satwlife:w10	r	satisfaction with life as a whole	5-point	Categ
11	R11SATWLIFE	r11satwlife:w11	r	satisfaction with life as a whole	5-point	Categ
09	S9SATWLIFE	s9satwlife:w9	s	satisfaction with life as a whole	5-point	Categ
10	S10SATWLIFE	s10satwlife:w10	s	satisfaction with life as a whole	5-point	Categ
11	S11SATWLIFE	s11satwlife:w11	s	satisfaction with life as a whole	5-point	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9SATHOME	6956	1.83	0.90	1.00	5.00
R10SATHOME	8205	1.90	0.93	1.00	5.00
R11SATHOME	7269	1.92	0.95	1.00	5.00
R12SATHOME	7395	1.96	0.96	1.00	5.00
R13SATHOME	6207	2.15	1.01	1.00	5.00
R14SATHOME	5633	2.07	1.00	1.00	5.00
R15SATHOME	4571	2.03	0.98	1.00	5.00
S9SATHOME	4374	1.77	0.85	1.00	5.00
S10SATHOME	5269	1.84	0.89	1.00	5.00
S11SATHOME	4564	1.87	0.91	1.00	5.00
S12SATHOME	4572	1.92	0.92	1.00	5.00

S13SATHOME	3701	2.08	0.96	1.00	5.00
S14SATHOME	3346	2.00	0.95	1.00	5.00
S15SATHOME	2620	1.94	0.92	1.00	5.00
R9SATAREA	6923	1.84	0.88	1.00	5.00
R10SATAREA	8173	1.90	0.90	1.00	5.00
R11SATAREA	7252	1.92	0.90	1.00	5.00
R12SATAREA	7387	1.97	0.92	1.00	5.00
R13SATAREA	6211	2.09	0.96	1.00	5.00
R14SATAREA	5622	2.05	0.95	1.00	5.00
R15SATAREA	4563	2.01	0.94	1.00	5.00
S9SATAREA	4350	1.83	0.87	1.00	5.00
S10SATAREA	5257	1.88	0.88	1.00	5.00
S11SATAREA	4552	1.90	0.88	1.00	5.00
S12SATAREA	4569	1.94	0.89	1.00	5.00
S13SATAREA	3710	2.08	0.95	1.00	5.00
S14SATAREA	3344	2.03	0.92	1.00	5.00
S15SATAREA	2615	1.98	0.93	1.00	5.00
R9SATLSR	6904	2.13	0.94	1.00	5.00
R10SATLSR	8148	2.19	0.95	1.00	5.00
R11SATLSR	7242	2.21	0.95	1.00	5.00
R12SATLSR	7361	2.25	0.96	1.00	5.00
R13SATLSR	6203	2.38	0.95	1.00	5.00
R14SATLSR	5603	2.31	0.96	1.00	5.00
R15SATLSR	4555	2.36	0.98	1.00	5.00
S9SATLSR	4356	2.06	0.91	1.00	5.00
S10SATLSR	5246	2.13	0.92	1.00	5.00
S11SATLSR	4548	2.14	0.92	1.00	5.00
S12SATLSR	4557	2.19	0.92	1.00	5.00
S13SATLSR	3704	2.32	0.91	1.00	5.00
S14SATLSR	3330	2.24	0.93	1.00	5.00
S15SATLSR	2614	2.29	0.94	1.00	5.00
R9SATFAM	6913	1.94	0.91	1.00	5.00
R10SATFAM	8152	2.00	0.94	1.00	5.00
R11SATFAM	7225	2.02	0.94	1.00	5.00
R12SATFAM	7365	2.05	0.96	1.00	5.00
R13SATFAM	6198	2.14	0.96	1.00	5.00
R14SATFAM	5599	2.10	0.98	1.00	5.00
R15SATFAM	4550	2.09	0.97	1.00	5.00
S9SATFAM	4368	1.83	0.84	1.00	5.00
R10SATFAM	8152	2.00	0.94	1.00	5.00
S11SATFAM	4550	1.91	0.88	1.00	5.00
R12SATFAM	7365	2.05	0.96	1.00	5.00
S13SATFAM	3709	2.02	0.88	1.00	5.00
R14SATFAM	5599	2.10	0.98	1.00	5.00
S15SATFAM	2606	1.95	0.89	1.00	5.00
R9SATFNNCL	6932	2.56	1.15	1.00	5.00
R10SATFNNCL	8170	2.72	1.16	1.00	5.00
R11SATFNNCL	7244	2.68	1.15	1.00	5.00
R12SATFNNCL	7365	2.67	1.14	1.00	5.00
R13SATFNNCL	6199	2.77	1.14	1.00	5.00
R14SATFNNCL	5608	2.66	1.14	1.00	5.00
R15SATFNNCL	4568	2.49	1.10	1.00	5.00
S9SATFNNCL	4370	2.47	1.11	1.00	5.00
S10SATFNNCL	5248	2.62	1.12	1.00	5.00
S11SATFNNCL	4549	2.61	1.11	1.00	5.00



S12SATFNNCL	4563	2.58	1.10	1.00	5.00
S13SATFNNCL	3700	2.66	1.09	1.00	5.00
S14SATFNNCL	3331	2.55	1.11	1.00	5.00
S15SATFNNCL	2621	2.39	1.04	1.00	5.00
R9SATHLTH	6934	2.64	1.06	1.00	5.00
R10SATHLTH	8192	2.69	1.07	1.00	5.00
R11SATHLTH	7255	2.72	1.06	1.00	5.00
R12SATHLTH	7392	2.74	1.04	1.00	5.00
R13SATHLTH	6217	2.76	1.03	1.00	5.00
R14SATHLTH	5627	2.74	1.04	1.00	5.00
R15SATHLTH	4577	2.70	1.02	1.00	5.00
S9SATHLTH	4364	2.57	1.03	1.00	5.00
S10SATHLTH	5263	2.63	1.04	1.00	5.00
S11SATHLTH	4555	2.64	1.03	1.00	5.00
S12SATHLTH	4573	2.69	1.02	1.00	5.00
S13SATHLTH	3711	2.70	0.99	1.00	5.00
S14SATHLTH	3344	2.68	1.02	1.00	5.00
S15SATHLTH	2624	2.65	0.99	1.00	5.00
R9SATWLIFE	6925	2.27	0.95	1.00	5.00
R10SATWLIFE	8183	2.34	0.97	1.00	5.00
R11SATWLIFE	7249	2.38	0.97	1.00	5.00
S9SATWLIFE	4358	2.18	0.91	1.00	5.00
S10SATWLIFE	5256	2.25	0.93	1.00	5.00
S11SATWLIFE	4545	2.28	0.92	1.00	5.00

## Categorical Variable Codes

Value-----				R9SATHOME	R10SATHOME
.c:no self-completion quest				10144	13702
.m:Missing				117	127
1.completely satisfied				3073	3340
2.very satisfied				2405	2914
3.somewhat satisfied				1164	1475
4.not very satisfied				242	370
5.not at all satisfied				72	106
Value-----	R11SATHOME	R12SATHOME	R13SATHOME	R14SATHOME	R15SATHOME
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	143	146	163	106	99
1.completely satisfied	2900	2815	1868	1894	1618
2.very satisfied	2552	2658	2315	2041	1639
3.somewhat satisfied	1393	1444	1439	1235	966
4.not very satisfied	312	344	419	338	268
5.not at all satisfied	112	134	166	125	80
Value-----				S9SATHOME	S10SATHOME
.c:no self-completion quest				6211	8173
.m:Missing				55	66
.u:not coupled				6212	7804
.v:SP NR				365	722
1.completely satisfied				2001	2256
2.very satisfied				1588	1908
3.somewhat satisfied				628	865
4.not very satisfied				122	186
5.not at all satisfied				35	54
Value-----	S11SATHOME	S12SATHOME	S13SATHOME	S14SATHOME	S15SATHOME
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	72	63	79	52	48
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.completely satisfied	1872	1783	1155	1178	985
2.very satisfied	1689	1708	1461	1255	994
3.somewhat satisfied	779	825	794	691	494

4.not very satisfied	167	196	220	170	113
5.not at all satisfied	57	60	71	52	34

Value-----				R9SATAREA	R10SATAREA
.c:no self-completion quest				10144	13702
.m:Missing				150	159
1.completely satisfied				2913	3175
2.very satisfied				2533	3094
3.somewhat satisfied				1191	1497
4.not very satisfied				218	326
5.not at all satisfied				68	81

Value-----	R11SATAREA	R12SATAREA	R13SATAREA	R14SATAREA	R15SATAREA
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	160	154	159	117	107
1.completely satisfied	2734	2647	1895	1832	1567
2.very satisfied	2758	2826	2426	2182	1756
3.somewhat satisfied	1414	1489	1412	1219	952
4.not very satisfied	278	343	363	293	220
5.not at all satisfied	68	82	115	96	68

Value-----				S9SATAREA	S10SATAREA
.c:no self-completion quest				6211	8173
.m:Missing				79	78
.u:not coupled				6212	7804
.v:SP NR				365	722
1.completely satisfied				1826	2069
2.very satisfied				1645	2031
3.somewhat satisfied				717	922
4.not very satisfied				123	192
5.not at all satisfied				39	43

Value-----	S11SATAREA	S12SATAREA	S13SATAREA	S14SATAREA	S15SATAREA
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	84	66	70	54	53
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.completely satisfied	1735	1652	1127	1086	919
2.very satisfied	1789	1796	1501	1335	1027
3.somewhat satisfied	838	889	807	708	519
4.not very satisfied	149	198	214	174	109
5.not at all satisfied	41	34	61	41	41

Value-----				R9SATLSR	R10SATLSR
.c:no self-completion quest				10144	13702
.m:Missing				169	184
1.completely satisfied				2014	2185
2.very satisfied				2575	2979
3.somewhat satisfied				1818	2325
4.not very satisfied				413	561
5.not at all satisfied				84	98

Value-----	R11SATLSR	R12SATLSR	R13SATLSR	R14SATLSR	R15SATLSR
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	170	180	167	136	115
1.completely satisfied	1882	1792	1182	1239	967
2.very satisfied	2680	2742	2265	2045	1571
3.somewhat satisfied	2128	2174	2091	1771	1510
4.not very satisfied	417	537	551	448	407
5.not at all satisfied	135	116	114	100	100

Value-----				S9SATLSR	S10SATLSR
.c:no self-completion quest				6211	8173
.m:Missing				73	89
.u:not coupled				6212	7804
.v:SP NR				365	722
1.completely satisfied				1335	1486
2.very satisfied				1711	2013
3.somewhat satisfied				1046	1383
4.not very satisfied				222	318
5.not at all satisfied				42	46

Value-----	S11SATLSR	S12SATLSR	S13SATLSR	S14SATLSR	S15SATLSR
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	88	78	76	68	54
.u:not coupled	7483	7125	8025	6684	6202

.v:SP NR	595	610	1109	1104	1055
1.completely satisfied	1248	1150	720	787	583
2.very satisfied	1771	1798	1464	1287	971
3.somewhat satisfied	1242	1272	1201	971	831
4.not very satisfied	223	282	271	245	187
5.not at all satisfied	64	55	48	40	42

Value-----				R9SATFAM	R10SATFAM
.c:no self-completion quest				10144	13702
.m:Missing				160	180
1.completely satisfied				2591	2843
2.very satisfied				2605	3110
3.somewhat satisfied				1353	1668
4.not very satisfied				288	431
5.not at all satisfied				76	100

Value-----	R11SATFAM	R12SATFAM	R13SATFAM	R14SATFAM	R15SATFAM
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	187	176	172	140	120
1.completely satisfied	2461	2413	1753	1764	1449
2.very satisfied	2736	2793	2473	2076	1682
3.somewhat satisfied	1568	1627	1452	1279	1064
4.not very satisfied	354	410	403	379	280
5.not at all satisfied	106	122	117	101	75

Value-----				S9SATFAM	R10SATFAM
.c:no self-completion quest				6211	13702
.m:Missing				61	180
.u:not coupled				6212	
.v:SP NR				365	
1.completely satisfied				1800	2843
2.very satisfied				1698	3110
3.somewhat satisfied				726	1668
4.not very satisfied				119	431
5.not at all satisfied				25	100

Value-----	S11SATFAM	R12SATFAM	S13SATFAM	R14SATFAM	S15SATFAM
.c:no self-completion quest	7840	11206	7998	11407	5798
.m:Missing	86	176	71	140	62
.u:not coupled	7483		8025		6202
.v:SP NR	595		1109		1055
1.completely satisfied	1700	2413	1129	1764	933
2.very satisfied	1801	2793	1590	2076	1031
3.somewhat satisfied	844	1627	802	1279	513
4.not very satisfied	165	410	155	379	110
5.not at all satisfied	40	122	33	101	19

Value-----				R9SATFNNCL	R10SATFNNCL
.c:no self-completion quest				10144	13702
.m:Missing				141	162
1.completely satisfied				1484	1414
2.very satisfied				1834	2069
3.somewhat satisfied				2275	2740
4.not very satisfied				892	1275
5.not at all satisfied				447	672

Value-----	R11SATFNNCL	R12SATFNNCL	R13SATFNNCL	R14SATFNNCL	R15SATFNNCL
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	168	176	171	131	102
1.completely satisfied	1293	1296	931	997	953
2.very satisfied	1857	1979	1596	1547	1429
3.somewhat satisfied	2473	2428	2161	1829	1424
4.not very satisfied	1086	1151	996	828	523
5.not at all satisfied	535	511	515	407	239

Value-----				S9SATFNNCL	S10SATFNNCL
.c:no self-completion quest				6211	8173
.m:Missing				59	87
.u:not coupled				6212	7804
.v:SP NR				365	722
1.completely satisfied				1000	960
2.very satisfied				1241	1457
3.somewhat satisfied				1406	1764
4.not very satisfied				520	730
5.not at all satisfied				203	337

Value-----	S11SATFNNCL	S12SATFNNCL	S13SATFNNCL	S14SATFNNCL	S15SATFNNCL
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	87	72	80	67	47
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.completely satisfied	835	842	578	642	578
2.very satisfied	1266	1348	1078	1018	893
3.somewhat satisfied	1556	1492	1280	1059	813
4.not very satisfied	630	643	536	426	236
5.not at all satisfied	262	238	228	186	101
Value-----				R9SATHLTH	R10SATHLTH
.c:no self-completion quest				10144	13702
.m:Missing				139	140
1.completely satisfied				1025	1118
2.very satisfied				2135	2464
3.somewhat satisfied				2469	2943
4.not very satisfied				912	1167
5.not at all satisfied				393	500
Value-----	R11SATHLTH	R12SATHLTH	R13SATHLTH	R14SATHLTH	R15SATHLTH
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	157	149	153	112	93
1.completely satisfied	893	833	633	631	509
2.very satisfied	2250	2253	1930	1737	1482
3.somewhat satisfied	2570	2763	2346	2093	1697
4.not very satisfied	1077	1085	919	805	636
5.not at all satisfied	465	458	389	361	253
Value-----				S9SATHLTH	S10SATHLTH
.c:no self-completion quest				6211	8173
.m:Missing				65	72
.u:not coupled				6212	7804
.v:SP NR				365	722
1.completely satisfied				666	739
2.very satisfied				1466	1695
3.somewhat satisfied				1509	1897
4.not very satisfied				519	653
5.not at all satisfied				204	279
Value-----	S11SATHLTH	S12SATHLTH	S13SATHLTH	S14SATHLTH	S15SATHLTH
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	81	62	69	54	44
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.completely satisfied	590	527	369	384	281
2.very satisfied	1540	1477	1255	1105	926
3.somewhat satisfied	1575	1710	1388	1223	961
4.not very satisfied	626	611	521	451	331
5.not at all satisfied	224	248	178	181	125
Value-----				R9SATWLIFE	R10SATWLIFE
.c:no self-completion quest				10144	13702
.m:Missing				148	149
1.completely satisfied				1550	1635
2.very satisfied				2711	3167
3.somewhat satisfied				2061	2542
4.not very satisfied				468	623
5.not at all satisfied				135	216
Value-----	R11SATWLIFE				
.c:no self-completion quest	13142				
.m:Missing	163				
1.completely satisfied	1342				
2.very satisfied	2815				
3.somewhat satisfied	2346				
4.not very satisfied	518				
5.not at all satisfied	228				
Value-----				S9SATWLIFE	S10SATWLIFE
.c:no self-completion quest				6211	8173
.m:Missing				71	79
.u:not coupled				6212	7804
.v:SP NR				365	722
1.completely satisfied				1053	1139
2.very satisfied				1828	2197

3.somewhat satisfied		1182	1509
4.not very satisfied		234	306
5.not at all satisfied		61	105

Value-----	S11SATWLIFE
.c:no self-completion quest	7840
.m:Missing	91
.u:not coupled	7483
.v:SP NR	595
1.completely satisfied	909
2.very satisfied	1906
3.somewhat satisfied	1374
4.not very satisfied	255
5.not at all satisfied	101

## How Constructed:

RwSATHOME indicates the respondent's rating of their satisfaction with the condition of their house/apartment. RwsATAREA indicates the respondent's rating of their satisfaction with the city/town they live in. RwsATLSR indicates the respondent's rating of their satisfaction with their daily life/leisure activities. RwsATFAM indicates the respondent's rating of their satisfaction with their family life. RwsATFNNCL indicates the respondent's rating of their satisfaction with their current financial situation. RwsATHLTH indicates the respondent's rating of their satisfaction with their health. RwsATWLIFE indicates the respondent's rating of their satisfaction with their life as a whole. All of these variables use a 5-point scale ranging from completely satisfied to not at all satisfied and are coded as follows: 1.Completely satisfied, 2.Very satisfied, 3.Somewhat satisfied, 4.Not very satisfied, 5.Not at all satisfied. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. All variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwsATHOME indicates the respondent's spouse's rating of their satisfaction with the condition of their house/apartment, and its value is taken directly from the corresponding respondent variable. SwsATAREA indicates the respondent's spouse's rating of their satisfaction with the city/town they live in, and its value is taken directly from the corresponding respondent variable. SwsATLSR indicates the respondent's spouse's rating of their satisfaction with their daily life/leisure activities, and its value is taken directly from the corresponding respondent variable. SwsATFAM indicates the respondent's spouse's rating of their satisfaction with their family life, and its value is taken directly from the corresponding respondent variable. SwsATFNNCL indicates the respondent's spouse's rating of their satisfaction with their current financial situation, and its value is taken directly from the corresponding respondent variable. SwsATHLTH indicates the respondent's spouse's rating of their satisfaction with their health, and its value is taken directly from the corresponding respondent variable. SwsATWLIFE is the respondent's spouse's rating of their satisfaction with their life as a whole, and its value is taken directly from the corresponding respondent variable. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to domain-specific satisfaction were added to HRS leave-behind survey starting in Wave 9.

The question asking about satisfaction with their life as a whole is only asked in Waves 9 through 11.

## HRS Variables Used:

Wave 9:	
LLB039A	q39a. condition of home
LLB039B	q39b. city town live
LLB039C	q39c. daily leisure acts

LLB039D	q39d. family life
LLB039E	q39e. present fin situation
LLB039F	q39f. health
LLB039G	q39g. life as a whole
Wave 10:	
MLB039A	q39a. condition of home
MLB039B	q39b. city town live
MLB039C	q39c. daily leisure acts
MLB039D	q39d. family life
MLB039E	q39e. present fin situation
MLB039G	q39g. health
MLB039H	q39g_2. life as a whole
Wave 11:	
NLB039A	q39a. condition of home
NLB039B	q39b. city town live
NLB039C	q39c. daily leisure acts
NLB039D	q39d. family life
NLB039E	q39e. present fin situation
NLB039G	q39g. health
NLB039H	q39g_2. life as a whole
Wave 12:	
OLB034A	q34a. condition of home
OLB034B	q34b. city town live
OLB034C	q34c. daily leisure acts
OLB034D	q34d. family life
OLB034E	q34e. present fin situation
OLB034G	q34g. health
Wave 13:	
PLB034A	q34a. condition of home
PLB034B	q34b. city town live
PLB034C	q34c. daily leisure acts
PLB034D	q34d. family life
PLB034E	q34e. present fin situation
PLB034G	q34g. health
Wave 14:	
QLB034A	q34a. condition of home
QLB034B	q34b. city town live
QLB034C	q34c. daily leisure acts
QLB034D	q34d. family life
QLB034E	q34e. present fin situation
QLB034G	q34g. health
Wave 15:	
RLB034_1	q34a. condition of home
RLB034_2	q34b. city town live
RLB034_3	q34c. daily leisure acts
RLB034_4	q34d. family life
RLB034_5	q34e. present fin situation
RLB034_7	q34g. health

**Single Item Life Satisfaction Question**

Wave	Variable	Label	Type
09	R9SATLIFE_H	r9satlife_h:w9 R Satisfied with life	Categ
10	R10SATLIFE_H	r10satlife_h:w10 R Satisfied with life	Categ
11	R11SATLIFE_H	r11satlife_h:w11 R Satisfied with life	Categ
12	R12SATLIFE_H	r12satlife_h:w12 R Satisfied with life	Categ
13	R13SATLIFE_H	r13satlife_h:w13 R Satisfied with life	Categ
14	R14SATLIFE_H	r14satlife_h:w14 R Satisfied with life	Categ
15	R15SATLIFE_H	r15satlife_h:w15 R Satisfied with life	Categ
09	S9SATLIFE_H	s9satlife_h:w9 S Satisfied with life	Categ
10	S10SATLIFE_H	s10satlife_h:w10 S Satisfied with life	Categ
11	S11SATLIFE_H	s11satlife_h:w11 S Satisfied with life	Categ
12	S12SATLIFE_H	s12satlife_h:w12 S Satisfied with life	Categ
13	S13SATLIFE_H	s13satlife_h:w13 S Satisfied with life	Categ
14	S14SATLIFE_H	s14satlife_h:w14 S Satisfied with life	Categ
15	S15SATLIFE_H	s15satlife_h:w15 S Satisfied with life	Categ
09	R9SATLIFEZ	r9satlifez:w9 R Satisfied with life z-score	Cont
10	R10SATLIFEZ	r10satlifez:w10 R Satisfied with life z-score	Cont
11	R11SATLIFEZ	r11satlifez:w11 R Satisfied with life z-score	Cont
12	R12SATLIFEZ	r12satlifez:w12 R Satisfied with life z-score	Cont
13	R13SATLIFEZ	r13satlifez:w13 R Satisfied with life z-score	Cont
14	R14SATLIFEZ	r14satlifez:w14 R Satisfied with life z-score	Cont
15	R15SATLIFEZ	r15satlifez:w15 R Satisfied with life z-score	Cont
09	S9SATLIFEZ	s9satlifez:w9 S Satisfied with life z-score	Cont
10	S10SATLIFEZ	s10satlifez:w10 S Satisfied with life z-score	Cont
11	S11SATLIFEZ	s11satlifez:w11 S Satisfied with life z-score	Cont
12	S12SATLIFEZ	s12satlifez:w12 S Satisfied with life z-score	Cont
13	S13SATLIFEZ	s13satlifez:w13 S Satisfied with life z-score	Cont
14	S14SATLIFEZ	s14satlifez:w14 S Satisfied with life z-score	Cont
15	S15SATLIFEZ	s15satlifez:w15 S Satisfied with life z-score	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R9SATLIFE_H	16054	3.89	0.86	1.00	5.00
R10SATLIFE_H	20535	3.81	0.89	1.00	5.00
R11SATLIFE_H	19238	3.81	0.88	1.00	5.00
R12SATLIFE_H	17491	3.82	0.88	1.00	5.00
R13SATLIFE_H	19733	3.82	0.87	1.00	5.00
R14SATLIFE_H	16330	3.83	0.87	1.00	5.00
R15SATLIFE_H	14791	3.84	0.84	1.00	5.00
S9SATLIFE_H	9971	3.99	0.80	1.00	5.00
S10SATLIFE_H	12626	3.92	0.83	1.00	5.00
S11SATLIFE_H	11734	3.92	0.83	1.00	5.00
S12SATLIFE_H	10321	3.94	0.82	1.00	5.00
S13SATLIFE_H	11129	3.95	0.80	1.00	5.00
S14SATLIFE_H	8907	3.96	0.81	1.00	5.00
S15SATLIFE_H	7951	3.96	0.77	1.00	5.00
R9SATLIFEZ	16054	-0.00	1.00	-3.36	1.29
R10SATLIFEZ	20535	-0.00	1.00	-3.16	1.34
R11SATLIFEZ	19238	-0.00	1.00	-3.19	1.35
R12SATLIFEZ	17491	0.00	1.00	-3.22	1.34
R13SATLIFEZ	19733	-0.00	1.00	-3.25	1.36

R14SATLIFEZ	16330	0.00	1.00	-3.25	1.34
R15SATLIFEZ	14791	0.00	1.00	-3.36	1.38
S9SATLIFEZ	9971	3.99	0.80	1.00	5.00
S10SATLIFEZ	12626	3.92	0.83	1.00	5.00
S11SATLIFEZ	11734	3.92	0.83	1.00	5.00
S12SATLIFEZ	10321	3.94	0.82	1.00	5.00
S13SATLIFEZ	11129	3.95	0.80	1.00	5.00
S14SATLIFEZ	8907	3.96	0.81	1.00	5.00
S15SATLIFEZ	7951	3.96	0.77	1.00	5.00

## Categorical Variable Codes

Value-----	R9SATLIFE_H	R10SATLIFE_H
.d:DK	19	99
.m:Missing		2
.p:Proxy	1140	1382
.r:Refuse	4	16
1.not at all satisfied	174	300
2.not very satisfied	615	940
3.somewhat satisfied	4049	5858
4.very satisfied	7190	8773
5.completely satisfied	4026	4664

Value-----	R11SATLIFE_H	R12SATLIFE_H	R13SATLIFE_H	R14SATLIFE_H	R15SATLIFE_H
.d:DK	166	194	216	127	197
.p:Proxy	1145	1049	941	663	721
.r:Refuse	5	13	22	26	14
1.not at all satisfied	259	215	252	223	143
2.not very satisfied	872	775	789	640	564
3.somewhat satisfied	5493	4913	5666	4561	4123
4.very satisfied	8297	7550	8595	7182	6700
5.completely satisfied	4317	4038	4431	3724	3261

Value-----	S9SATLIFE_H	S10SATLIFE_H
.d:DK	9	53
.m:Missing		2
.p:Proxy	657	817
.r:Refuse	3	10
.u:not coupled	6212	7804
.v:SP NR	365	722
1.not at all satisfied	56	100
2.not very satisfied	243	395
3.somewhat satisfied	2177	3091
4.very satisfied	4758	5874
5.completely satisfied	2737	3166

Value-----	S11SATLIFE_H	S12SATLIFE_H	S13SATLIFE_H	S14SATLIFE_H	S15SATLIFE_H
.d:DK	93	97	112	58	91
.p:Proxy	648	589	526	384	419
.r:Refuse	1	5	11	9	5
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all satisfied	95	72	79	68	36
2.not very satisfied	379	313	269	214	179
3.somewhat satisfied	2835	2418	2610	2053	1780
4.very satisfied	5506	4874	5334	4271	4032
5.completely satisfied	2919	2644	2837	2301	1924

## How Constructed:

RwSATLIFE\_H and RwsATLIFEZ indicate the respondent's level of life satisfaction. Life satisfaction is asked using the following response scale: 1.Completely Satisfied, 2.Very Satisfied, 3.Somewhat Satisfied, 4.Not Very Satisfied, and 5.Not At All Satisfied. To make RwsATLIFE\_H comparable across Harmonized datasets, responses to this question have been reverse-coded, so that RwsATLIFE\_H is coded as follows: 1.Not At All Satisfied, 2.Not Very Satisfied, 3.Somewhat Satisfied, 4.Very Satisfied, and 5.Completely Satisfied. RwsATLIFEZ is a z-scored version of the respondent's level of life satisfaction, and is calculated by z-scoring RwsATLIFE\_H. This question is not asked if the interview is by proxy, in which case these variables are assigned special missing value .p. Don't know, refused, and other missing values



are assigned special missing .d, .r, and .m, respectively. These variables are set to blank missing (.) if the respondent did not participate in the current wave.

SwSATLIFE\_H and SwSATLIFEZ indicate the current wave's spouse's level of life satisfaction, and their values are taken from the corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, SwSATLIFE\_H and SwSATLIFEZ employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

A question about satisfaction with life was added to HRS starting in Wave 9. This question was not asked if the interview was completed by a proxy on behalf of the respondent.

### HRS Variables Used:

Wave 9:	
LA009	proxy/self interview
LB000	life satisfaction
Wave 10:	
MA009	proxy/self interview
MB000	life satisfaction
Wave 11:	
NA009	proxy/self interview
NB000	life satisfaction
Wave 12:	
OA009	proxy/self interview
OB000	life satisfaction
Wave 13:	
PA009	proxy/self interview
PB000	life satisfaction
Wave 14:	
QA009	proxy/self interview
QB000	life satisfaction
Wave 15:	
RA009	proxy/self interview
RB000	life satisfaction

<b>Cantril Ladder</b>
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Wave	Variable	Label	Type
07	R7CANTRIL	r7cantril:w7 r cantril ladder rating	Cont
08	R8CANTRIL	r8cantril:w8 r cantril ladder rating	Cont
09	R9CANTRIL	r9cantril:w9 r cantril ladder rating	Cont
10	R10CANTRIL	r10cantril:w10 r cantril ladder rating	Cont
11	R11CANTRIL	r11cantril:w11 r cantril ladder rating	Cont
12	R12CANTRIL	r12cantril:w12 r cantril ladder rating	Cont
13	R13CANTRIL	r13cantril:w13 r cantril ladder rating	Cont
14	R14CANTRIL	r14cantril:w14 r cantril ladder rating	Cont
15	R15CANTRIL	r15cantril:w15 r cantril ladder rating	Cont
07	S7CANTRIL	s7cantril:w7 s cantril ladder rating	Cont
08	S8CANTRIL	s8cantril:w8 s cantril ladder rating	Cont
09	S9CANTRIL	s9cantril:w9 s cantril ladder rating	Cont
10	S10CANTRIL	s10cantril:w10 s cantril ladder rating	Cont
11	S11CANTRIL	s11cantril:w11 s cantril ladder rating	Cont
12	S12CANTRIL	s12cantril:w12 s cantril ladder rating	Cont
13	S13CANTRIL	s13cantril:w13 s cantril ladder rating	Cont
14	S14CANTRIL	s14cantril:w14 s cantril ladder rating	Cont
15	S15CANTRIL	s15cantril:w15 s cantril ladder rating	Cont
07	R7CANTRILC	r7cantrilc:w7 r cantril ladder rating change 2yrs	Categ
08	R8CANTRILC	r8cantrilc:w8 r cantril ladder rating change 2yrs	Categ
09	R9CANTRILC	r9cantrilc:w9 r cantril ladder rating change 2yrs	Categ
10	R10CANTRILC	r10cantrilc:w10 r cantril ladder rating change 2yrs	Categ
11	R11CANTRILC	r11cantrilc:w11 r cantril ladder rating change 2yrs	Categ
12	R12CANTRILC	r12cantrilc:w12 r cantril ladder rating change 2yrs	Categ
13	R13CANTRILC	r13cantrilc:w13 r cantril ladder rating change 2yrs	Categ
14	R14CANTRILC	r14cantrilc:w14 r cantril ladder rating change 2yrs	Categ
15	R15CANTRILC	r15cantrilc:w15 r cantril ladder rating change 2yrs	Categ
07	S7CANTRILC	s7cantrilc:w7 s cantril ladder rating change 2yrs	Categ
08	S8CANTRILC	s8cantrilc:w8 s cantril ladder rating change 2yrs	Categ
09	S9CANTRILC	s9cantrilc:w9 s cantril ladder rating change 2yrs	Categ
10	S10CANTRILC	s10cantrilc:w10 s cantril ladder rating change 2yrs	Categ
11	S11CANTRILC	s11cantrilc:w11 s cantril ladder rating change 2yrs	Categ
12	S12CANTRILC	s12cantrilc:w12 s cantril ladder rating change 2yrs	Categ
13	S13CANTRILC	s13cantrilc:w13 s cantril ladder rating change 2yrs	Categ
14	S14CANTRILC	s14cantrilc:w14 s cantril ladder rating change 2yrs	Categ
15	S15CANTRILC	s15cantrilc:w15 s cantril ladder rating change 2yrs	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7CANTRIL	2864	6.20	1.86	1.00	10.00
R8CANTRIL	7147	6.56	1.77	1.00	10.00
R9CANTRIL	6370	6.42	1.76	1.00	10.00
R10CANTRIL	7391	6.38	1.78	1.00	10.00
R11CANTRIL	6608	6.24	1.79	1.00	10.00
R12CANTRIL	6794	6.38	1.80	1.00	10.00
R13CANTRIL	5790	6.25	1.85	1.00	10.00
R14CANTRIL	5269	6.57	1.77	1.00	10.00
R15CANTRIL	4267	6.62	1.75	1.00	10.00
S7CANTRIL	2068	6.34	1.81	1.00	10.00
S8CANTRIL	4897	6.73	1.66	1.00	10.00
S9CANTRIL	4058	6.59	1.66	1.00	10.00

S10CANTRIL	4829	6.55	1.69	1.00	10.00
S11CANTRIL	4195	6.43	1.71	1.00	10.00
S12CANTRIL	4235	6.57	1.71	1.00	10.00
S13CANTRIL	3475	6.45	1.78	1.00	10.00
S14CANTRIL	3155	6.74	1.70	1.00	10.00
S15CANTRIL	2466	6.83	1.63	1.00	10.00
R7CANTRILC	3077	2.62	0.72	1.00	3.00
R8CANTRILC	7445	2.62	0.73	1.00	3.00
R9CANTRILC	6781	2.65	0.68	1.00	3.00
R10CANTRILC	8046	2.61	0.69	1.00	3.00
R11CANTRILC	7112	2.63	0.68	1.00	3.00
R12CANTRILC	7236	2.62	0.71	1.00	3.00
R13CANTRILC	6192	2.55	0.75	1.00	3.00
R14CANTRILC	5567	2.56	0.77	1.00	3.00
R15CANTRILC	4551	2.58	0.76	1.00	3.00
S7CANTRILC	2212	2.62	0.72	1.00	3.00
S8CANTRILC	5049	2.62	0.74	1.00	3.00
S9CANTRILC	4296	2.66	0.67	1.00	3.00
S10CANTRILC	5194	2.62	0.69	1.00	3.00
S11CANTRILC	4497	2.64	0.67	1.00	3.00
S12CANTRILC	4481	2.62	0.71	1.00	3.00
S13CANTRILC	3694	2.56	0.76	1.00	3.00
S14CANTRILC	3321	2.57	0.77	1.00	3.00
S15CANTRILC	2626	2.58	0.76	1.00	3.00

### Categorical Variable Codes

Value-----	R7CANTRILC	R8CANTRILC	R9CANTRILC	R10CANTRILC	
.c:no self-completion quest	12438	10739	10144	13702	
.m:Missing	195	285	292	286	
.s:no psychosocial question	4419				
1.Moved up	439	1108	779	972	
2.Not changed	303	624	786	1170	
3.Moved down	2335	5713	5216	5904	
Value-----	R11CANTRILC	R12CANTRILC	R13CANTRILC	R14CANTRILC	R15CANTRILC
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	300	305	178	172	119
1.Moved up	808	947	983	953	766
2.Not changed	1009	871	819	531	393
3.Moved down	5295	5418	4390	4083	3392
Value-----	S7CANTRILC	S8CANTRILC	S9CANTRILC	S10CANTRILC	
.c:no self-completion quest	7590	6538	6211	8173	
.m:Missing	115	141	133	141	
.s:no psychosocial question	3051				
.u:not coupled	6781	6424	6212	7804	
.v:SP NR	380	317	365	722	
1.Moved up	316	778	489	621	
2.Not changed	210	372	462	715	
3.Moved down	1686	3899	3345	3858	
Value-----	S11CANTRILC	S12CANTRILC	S13CANTRILC	S14CANTRILC	S15CANTRILC
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	139	154	86	77	42
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Moved up	504	593	612	570	445
2.Not changed	593	496	408	283	201
3.Moved down	3400	3392	2674	2468	1980

### How Constructed:

RwCANTRIL is the respondent's rating of their position on a ladder representing their social status. The respondent is given the following prompt, "Think of this ladder as representing where people stand in our

society. At the top of the ladder are the people who are the best off - those who have the most money, most education, and best jobs. At the bottom are the people who are the worst off - who have the least money, least education, and the worst jobs or no jobs. The higher up you are on this ladder, the closer you are to the people at the very top and the lower you are, the closer you are to the people at the very bottom. Please mark an X on the rung on the ladder where you would place yourself." The given score ranges from 1 to 10, so that a 1 indicates the lowest rung on the ladder and a 10 indicates the highest rung on the ladder. This question is asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. In Wave 7, not everyone who completed the self-completion questionnaire received a psychosocial survey, and in these cases RwcANTRIL is assigned special missing value .s. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. RwcANTRIL is set to plain missing (.) for respondents who did not respond to the current wave.

RwcANTRILC is the respondent's rating of whether their position on the ladder has changed within the last two years. For this question, the respondent was given the following category options: 1.Yes, I have moved up, 3.Yes, I have moved down, and 5.No, my position has not changed. To provide a comparable variable between studies, RwcANTRILC is coded using the following 3-category options: 1.Yes, I have moved up, 2.No, my position has not changed, 3.Yes, I have moved down. This question is asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. In Wave 7, not everyone who completed the self-completion questionnaire received a psychosocial survey, and thus RwcANTRILC is assigned special missing value .s. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. RwcANTRILC is set to plain missing (.) for respondents who did not respond to the current wave.

SwcANTRIL and SwcANTRILC are the respondent's spouse's rating of their place in society and whether their position has changed within the past two years, respectively. Their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to position on job ladder/subjective social status were added to the HRS leave-behind survey starting in Wave 7.

In Wave 7, those eligible for a self-completion questionnaire were split between receiving a psychosocial questionnaire and a disability questionnaire. As such, these variables use a special missing .s in Wave 7 if the respondent was asked to complete the disability questionnaire and not the psychosocial questionnaire.

## HRS Variables Used:

Wave 7:		
	JLB524	q24. position on job ladder
	JLB525	q25. position on ladder change
Wave 8:		
	KLB043	q43. position on job ladder
	KLB044	q44. position on ladder change
Wave 9:		
	LLB043	q43. position on job ladder
	LLB044	q44. position on ladder change
Wave 10:		
	MLB043	q43. position on job ladder
	MLB044	q44. position on ladder change
Wave 11:		
	NLB043	q43. position on job ladder
	NLB044	q44. position on ladder change

Wave 12:  
  OLB036           q36. position on job ladder  
  OLB037           q37. position on ladder change

Wave 13:  
  PLB036           q36. position on job ladder  
  PLB037           q37. position on ladder change

Wave 14:  
  QLB036           q36. position on job ladder  
  QLB037           q37. position on ladder change

Wave 15:  
  RLB036           q36. position on job ladder  
  RLB037           q37. position on ladder change

<b>PANAS-X: Positive Affect Items</b>
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Wave	Variable	Label	Type
09	R9DTRMND	r9dtrmnd:w9 PANAS-X: degree r felt determined	Categ
10	R10DTRMND	r10dtrmnd:w10 PANAS-X: degree r felt determined	Categ
11	R11DTRMND	r11dtrmnd:w11 PANAS-X: degree r felt determined	Categ
12	R12DTRMND	r12dtrmnd:w12 PANAS-X: degree r felt determined	Categ
13	R13DTRMND	r13dtrmnd:w13 PANAS-X: degree r felt determined	Categ
14	R14DTRMND	r14dtrmnd:w14 PANAS-X: degree r felt determined	Categ
15	R15DTRMND	r15dtrmnd:w15 PANAS-X: degree r felt determined	Categ
09	S9DTRMND	s9dtrmnd:w9 PANAS-X: degree s felt determined	Categ
10	S10DTRMND	s10dtrmnd:w10 PANAS-X: degree s felt determined	Categ
11	S11DTRMND	s11dtrmnd:w11 PANAS-X: degree s felt determined	Categ
12	S12DTRMND	s12dtrmnd:w12 PANAS-X: degree s felt determined	Categ
13	S13DTRMND	s13dtrmnd:w13 PANAS-X: degree s felt determined	Categ
14	S14DTRMND	s14dtrmnd:w14 PANAS-X: degree s felt determined	Categ
15	S15DTRMND	s15dtrmnd:w15 PANAS-X: degree s felt determined	Categ
09	R9ENTHSTC	r9enthstc:w9 PANAS-X: degree r felt enthusiastic	Categ
10	R10ENTHSTC	r10enthstc:w10 PANAS-X: degree r felt enthusiastic	Categ
11	R11ENTHSTC	r11enthstc:w11 PANAS-X: degree r felt enthusiastic	Categ
12	R12ENTHSTC	r12enthstc:w12 PANAS-X: degree r felt enthusiastic	Categ
13	R13ENTHSTC	r13enthstc:w13 PANAS-X: degree r felt enthusiastic	Categ
14	R14ENTHSTC	r14enthstc:w14 PANAS-X: degree r felt enthusiastic	Categ
15	R15ENTHSTC	r15enthstc:w15 PANAS-X: degree r felt enthusiastic	Categ
09	S9ENTHSTC	s9enthstc:w9 PANAS-X: degree s felt enthusiastic	Categ
10	S10ENTHSTC	s10enthstc:w10 PANAS-X: degree s felt enthusiastic	Categ
11	S11ENTHSTC	s11enthstc:w11 PANAS-X: degree s felt enthusiastic	Categ
12	S12ENTHSTC	s12enthstc:w12 PANAS-X: degree s felt enthusiastic	Categ
13	S13ENTHSTC	s13enthstc:w13 PANAS-X: degree s felt enthusiastic	Categ
14	S14ENTHSTC	s14enthstc:w14 PANAS-X: degree s felt enthusiastic	Categ
15	S15ENTHSTC	s15enthstc:w15 PANAS-X: degree s felt enthusiastic	Categ
09	R9ACTIVE	r9active:w9 PANAS-X: degree r felt active	Categ
10	R10ACTIVE	r10active:w10 PANAS-X: degree r felt active	Categ
11	R11ACTIVE	r11active:w11 PANAS-X: degree r felt active	Categ
12	R12ACTIVE	r12active:w12 PANAS-X: degree r felt active	Categ
13	R13ACTIVE	r13active:w13 PANAS-X: degree r felt active	Categ
14	R14ACTIVE	r14active:w14 PANAS-X: degree r felt active	Categ
15	R15ACTIVE	r15active:w15 PANAS-X: degree r felt active	Categ
09	S9ACTIVE	s9active:w9 PANAS-X: degree s felt active	Categ
10	S10ACTIVE	s10active:w10 PANAS-X: degree s felt active	Categ
11	S11ACTIVE	s11active:w11 PANAS-X: degree s felt active	Categ
12	S12ACTIVE	s12active:w12 PANAS-X: degree s felt active	Categ
13	S13ACTIVE	s13active:w13 PANAS-X: degree s felt active	Categ
14	S14ACTIVE	s14active:w14 PANAS-X: degree s felt active	Categ
15	S15ACTIVE	s15active:w15 PANAS-X: degree s felt active	Categ
09	R9PROUD	r9proud:w9 PANAS-X: degree r felt proud	Categ
10	R10PROUD	r10proud:w10 PANAS-X: degree r felt proud	Categ
11	R11PROUD	r11proud:w11 PANAS-X: degree r felt proud	Categ
12	R12PROUD	r12proud:w12 PANAS-X: degree r felt proud	Categ
13	R13PROUD	r13proud:w13 PANAS-X: degree r felt proud	Categ
14	R14PROUD	r14proud:w14 PANAS-X: degree r felt proud	Categ
15	R15PROUD	r15proud:w15 PANAS-X: degree r felt proud	Categ
09	S9PROUD	s9proud:w9 PANAS-X: degree s felt proud	Categ

10	S10PROUD	s10proud:w10 PANAS-X: degree s felt proud	Categ
11	S11PROUD	s11proud:w11 PANAS-X: degree s felt proud	Categ
12	S12PROUD	s12proud:w12 PANAS-X: degree s felt proud	Categ
13	S13PROUD	s13proud:w13 PANAS-X: degree s felt proud	Categ
14	S14PROUD	s14proud:w14 PANAS-X: degree s felt proud	Categ
15	S15PROUD	s15proud:w15 PANAS-X: degree s felt proud	Categ
09	R9INTRSTD	r9intrstd:w9 PANAS-X: degree r felt interested	Categ
10	R10INTRSTD	r10intrstd:w10 PANAS-X: degree r felt interested	Categ
11	R11INTRSTD	r11intrstd:w11 PANAS-X: degree r felt interested	Categ
12	R12INTRSTD	r12intrstd:w12 PANAS-X: degree r felt interested	Categ
13	R13INTRSTD	r13intrstd:w13 PANAS-X: degree r felt interested	Categ
14	R14INTRSTD	r14intrstd:w14 PANAS-X: degree r felt interested	Categ
15	R15INTRSTD	r15intrstd:w15 PANAS-X: degree r felt interested	Categ
09	S9INTRSTD	s9intrstd:w9 PANAS-X: degree s felt interested	Categ
10	S10INTRSTD	s10intrstd:w10 PANAS-X: degree s felt interested	Categ
11	S11INTRSTD	s11intrstd:w11 PANAS-X: degree s felt interested	Categ
12	S12INTRSTD	s12intrstd:w12 PANAS-X: degree s felt interested	Categ
13	S13INTRSTD	s13intrstd:w13 PANAS-X: degree s felt interested	Categ
14	S14INTRSTD	s14intrstd:w14 PANAS-X: degree s felt interested	Categ
15	S15INTRSTD	s15intrstd:w15 PANAS-X: degree s felt interested	Categ
09	R9FHAPPY	r9fhappy:w9 PANAS-X: degree r felt happy	Categ
10	R10FHAPPY	r10fhappy:w10 PANAS-X: degree r felt happy	Categ
11	R11FHAPPY	r11fhappy:w11 PANAS-X: degree r felt happy	Categ
12	R12FHAPPY	r12fhappy:w12 PANAS-X: degree r felt happy	Categ
13	R13FHAPPY	r13fhappy:w13 PANAS-X: degree r felt happy	Categ
14	R14FHAPPY	r14fhappy:w14 PANAS-X: degree r felt happy	Categ
15	R15FHAPPY	r15fhappy:w15 PANAS-X: degree r felt happy	Categ
09	S9FHAPPY	s9fhappy:w9 PANAS-X: degree s felt happy	Categ
10	S10FHAPPY	s10fhappy:w10 PANAS-X: degree s felt happy	Categ
11	S11FHAPPY	s11fhappy:w11 PANAS-X: degree s felt happy	Categ
12	S12FHAPPY	s12fhappy:w12 PANAS-X: degree s felt happy	Categ
13	S13FHAPPY	s13fhappy:w13 PANAS-X: degree s felt happy	Categ
14	S14FHAPPY	s14fhappy:w14 PANAS-X: degree s felt happy	Categ
15	S15FHAPPY	s15fhappy:w15 PANAS-X: degree s felt happy	Categ
09	R9ATTNTV	r9attntv:w9 PANAS-X: degree r felt attentive	Categ
10	R10ATTNTV	r10attntv:w10 PANAS-X: degree r felt attentive	Categ
11	R11ATTNTV	r11attntv:w11 PANAS-X: degree r felt attentive	Categ
12	R12ATTNTV	r12attntv:w12 PANAS-X: degree r felt attentive	Categ
13	R13ATTNTV	r13attntv:w13 PANAS-X: degree r felt attentive	Categ
14	R14ATTNTV	r14attntv:w14 PANAS-X: degree r felt attentive	Categ
15	R15ATTNTV	r15attntv:w15 PANAS-X: degree r felt attentive	Categ
09	S9ATTNTV	s9attntv:w9 PANAS-X: degree s felt attentive	Categ
10	S10ATTNTV	s10attntv:w10 PANAS-X: degree s felt attentive	Categ
11	S11ATTNTV	s11attntv:w11 PANAS-X: degree s felt attentive	Categ
12	S12ATTNTV	s12attntv:w12 PANAS-X: degree s felt attentive	Categ
13	S13ATTNTV	s13attntv:w13 PANAS-X: degree s felt attentive	Categ
14	S14ATTNTV	s14attntv:w14 PANAS-X: degree s felt attentive	Categ
15	S15ATTNTV	s15attntv:w15 PANAS-X: degree s felt attentive	Categ
09	R9CONTENT	r9content:w9 PANAS-X: degree r felt content	Categ
10	R10CONTENT	r10content:w10 PANAS-X: degree r felt content	Categ
11	R11CONTENT	r11content:w11 PANAS-X: degree r felt content	Categ
12	R12CONTENT	r12content:w12 PANAS-X: degree r felt content	Categ
13	R13CONTENT	r13content:w13 PANAS-X: degree r felt content	Categ
14	R14CONTENT	r14content:w14 PANAS-X: degree r felt content	Categ
15	R15CONTENT	r15content:w15 PANAS-X: degree r felt content	Categ

09	S9CONTENT	s9content:w9 PANAS-X: degree s felt content	Categ
10	S10CONTENT	s10content:w10 PANAS-X: degree s felt content	Categ
11	S11CONTENT	s11content:w11 PANAS-X: degree s felt content	Categ
12	S12CONTENT	s12content:w12 PANAS-X: degree s felt content	Categ
13	S13CONTENT	s13content:w13 PANAS-X: degree s felt content	Categ
14	S14CONTENT	s14content:w14 PANAS-X: degree s felt content	Categ
15	S15CONTENT	s15content:w15 PANAS-X: degree s felt content	Categ
09	R9INSPRD	r9insprd:w9 PANAS-X: degree r felt inspired	Categ
10	R10INSPRD	r10insprd:w10 PANAS-X: degree r felt inspired	Categ
11	R11INSPRD	r11insprd:w11 PANAS-X: degree r felt inspired	Categ
12	R12INSPRD	r12insprd:w12 PANAS-X: degree r felt inspired	Categ
13	R13INSPRD	r13insprd:w13 PANAS-X: degree r felt inspired	Categ
14	R14INSPRD	r14insprd:w14 PANAS-X: degree r felt inspired	Categ
15	R15INSPRD	r15insprd:w15 PANAS-X: degree r felt inspired	Categ
09	S9INSPRD	s9insprd:w9 PANAS-X: degree s felt inspired	Categ
10	S10INSPRD	s10insprd:w10 PANAS-X: degree s felt inspired	Categ
11	S11INSPRD	s11insprd:w11 PANAS-X: degree s felt inspired	Categ
12	S12INSPRD	s12insprd:w12 PANAS-X: degree s felt inspired	Categ
13	S13INSPRD	s13insprd:w13 PANAS-X: degree s felt inspired	Categ
14	S14INSPRD	s14insprd:w14 PANAS-X: degree s felt inspired	Categ
15	S15INSPRD	s15insprd:w15 PANAS-X: degree s felt inspired	Categ
09	R9HOPEFUL	r9hopeful:w9 PANAS-X: degree r felt hopeful	Categ
10	R10HOPEFUL	r10hopeful:w10 PANAS-X: degree r felt hopeful	Categ
11	R11HOPEFUL	r11hopeful:w11 PANAS-X: degree r felt hopeful	Categ
12	R12HOPEFUL	r12hopeful:w12 PANAS-X: degree r felt hopeful	Categ
13	R13HOPEFUL	r13hopeful:w13 PANAS-X: degree r felt hopeful	Categ
14	R14HOPEFUL	r14hopeful:w14 PANAS-X: degree r felt hopeful	Categ
15	R15HOPEFUL	r15hopeful:w15 PANAS-X: degree r felt hopeful	Categ
09	S9HOPEFUL	s9hopeful:w9 PANAS-X: degree s felt hopeful	Categ
10	S10HOPEFUL	s10hopeful:w10 PANAS-X: degree s felt hopeful	Categ
11	S11HOPEFUL	s11hopeful:w11 PANAS-X: degree s felt hopeful	Categ
12	S12HOPEFUL	s12hopeful:w12 PANAS-X: degree s felt hopeful	Categ
13	S13HOPEFUL	s13hopeful:w13 PANAS-X: degree s felt hopeful	Categ
14	S14HOPEFUL	s14hopeful:w14 PANAS-X: degree s felt hopeful	Categ
15	S15HOPEFUL	s15hopeful:w15 PANAS-X: degree s felt hopeful	Categ
09	R9ALERT	r9alert:w9 PANAS-X: degree r felt alert	Categ
10	R10ALERT	r10alert:w10 PANAS-X: degree r felt alert	Categ
11	R11ALERT	r11alert:w11 PANAS-X: degree r felt alert	Categ
12	R12ALERT	r12alert:w12 PANAS-X: degree r felt alert	Categ
13	R13ALERT	r13alert:w13 PANAS-X: degree r felt alert	Categ
14	R14ALERT	r14alert:w14 PANAS-X: degree r felt alert	Categ
15	R15ALERT	r15alert:w15 PANAS-X: degree r felt alert	Categ
09	S9ALERT	s9alert:w9 PANAS-X: degree s felt alert	Categ
10	S10ALERT	s10alert:w10 PANAS-X: degree s felt alert	Categ
11	S11ALERT	s11alert:w11 PANAS-X: degree s felt alert	Categ
12	S12ALERT	s12alert:w12 PANAS-X: degree s felt alert	Categ
13	S13ALERT	s13alert:w13 PANAS-X: degree s felt alert	Categ
14	S14ALERT	s14alert:w14 PANAS-X: degree s felt alert	Categ
15	S15ALERT	s15alert:w15 PANAS-X: degree s felt alert	Categ
09	R9CALM	r9calm:w9 PANAS-X: degree r felt calm	Categ
10	R10CALM	r10calm:w10 PANAS-X: degree r felt calm	Categ
12	R12CALM	r12calm:w12 PANAS-X: degree r felt calm	Categ
13	R13CALM	r13calm:w13 PANAS-X: degree r felt calm	Categ
14	R14CALM	r14calm:w14 PANAS-X: degree r felt calm	Categ
15	R15CALM	r15calm:w15 PANAS-X: degree r felt calm	Categ



09	S9CALM	s9calm:w9 PANAS-X: degree s felt calm	Categ
10	S10CALM	s10calm:w10 PANAS-X: degree s felt calm	Categ
12	S12CALM	s12calm:w12 PANAS-X: degree s felt calm	Categ
13	S13CALM	s13calm:w13 PANAS-X: degree s felt calm	Categ
14	S14CALM	s14calm:w14 PANAS-X: degree s felt calm	Categ
15	S15CALM	s15calm:w15 PANAS-X: degree s felt calm	Categ
09	R9EXCTD	r9exctd:w9 PANAS-X: degree r felt excited	Categ
10	R10EXCTD	r10exctd:w10 PANAS-X: degree r felt excited	Categ
11	R11EXCTD	r11exctd:w11 PANAS-X: degree r felt excited	Categ
12	R12EXCTD	r12exctd:w12 PANAS-X: degree r felt excited	Categ
13	R13EXCTD	r13exctd:w13 PANAS-X: degree r felt excited	Categ
14	R14EXCTD	r14exctd:w14 PANAS-X: degree r felt excited	Categ
15	R15EXCTD	r15exctd:w15 PANAS-X: degree r felt excited	Categ
09	S9EXCTD	s9exctd:w9 PANAS-X: degree s felt excited	Categ
10	S10EXCTD	s10exctd:w10 PANAS-X: degree s felt excited	Categ
11	S11EXCTD	s11exctd:w11 PANAS-X: degree s felt excited	Categ
12	S12EXCTD	s12exctd:w12 PANAS-X: degree s felt excited	Categ
13	S13EXCTD	s13exctd:w13 PANAS-X: degree s felt excited	Categ
14	S14EXCTD	s14exctd:w14 PANAS-X: degree s felt excited	Categ
15	S15EXCTD	s15exctd:w15 PANAS-X: degree s felt excited	Categ
09	R9PANASP13	r9panasp13:w9 r PANAS-X average positive affect score	Cont
10	R10PANASP13	r10panasp13:w10 r PANAS-X average positive affect score	Cont
11	R11PANASP13	r11panasp13:w11 r PANAS-X average positive affect score	Cont
12	R12PANASP13	r12panasp13:w12 r PANAS-X average positive affect score	Cont
13	R13PANASP13	r13panasp13:w13 r PANAS-X average positive affect score	Cont
14	R14PANASP13	r14panasp13:w14 r PANAS-X average positive affect score	Cont
15	R15PANASP13	r15panasp13:w15 r PANAS-X average positive affect score	Cont
09	S9PANASP13	s9panasp13:w9 s PANAS-X average positive affect score	Cont
10	S10PANASP13	s10panasp13:w10 s PANAS-X average positive affect score	Cont
11	S11PANASP13	s11panasp13:w11 s PANAS-X average positive affect score	Cont
12	S12PANASP13	s12panasp13:w12 s PANAS-X average positive affect score	Cont
13	S13PANASP13	s13panasp13:w13 s PANAS-X average positive affect score	Cont
14	S14PANASP13	s14panasp13:w14 s PANAS-X average positive affect score	Cont
15	S15PANASP13	s15panasp13:w15 s PANAS-X average positive affect score	Cont
09	R9PANASP13M	r9panasp13m:w9 r PANAS-X positive affect score missings	Cont
10	R10PANASP13M	r10panasp13m:w10 r PANAS-X positive affect score missings	Cont
11	R11PANASP13M	r11panasp13m:w11 r PANAS-X positive affect score missings	Cont
12	R12PANASP13M	r12panasp13m:w12 r PANAS-X positive affect score missings	Cont
13	R13PANASP13M	r13panasp13m:w13 r PANAS-X positive affect score missings	Cont
14	R14PANASP13M	r14panasp13m:w14 r PANAS-X positive affect score missings	Cont
15	R15PANASP13M	r15panasp13m:w15 r PANAS-X positive affect score missings	Cont
09	S9PANASP13M	s9panasp13m:w9 s PANAS-X positive affect score missings	Cont
10	S10PANASP13M	s10panasp13m:w10 s PANAS-X positive affect score missings	Cont
11	S11PANASP13M	s11panasp13m:w11 s PANAS-X positive affect score missings	Cont
12	S12PANASP13M	s12panasp13m:w12 s PANAS-X positive affect score missings	Cont
13	S13PANASP13M	s13panasp13m:w13 s PANAS-X positive affect score missings	Cont
14	S14PANASP13M	s14panasp13m:w14 s PANAS-X positive affect score missings	Cont
15	S15PANASP13M	s15panasp13m:w15 s PANAS-X positive affect score missings	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9DTRMND	6833	3.50	1.19	1.00	5.00
R10DTRMND	8063	3.50	1.16	1.00	5.00
R11DTRMND	7119	3.49	1.18	1.00	5.00
R12DTRMND	7344	3.45	1.19	1.00	5.00

R13DTRMND	6155	3.53	1.17	1.00	5.00
R14DTRMND	5532	3.54	1.16	1.00	5.00
R15DTRMND	4543	3.52	1.17	1.00	5.00
S9DTRMND	4315	3.53	1.16	1.00	5.00
S10DTRMND	5195	3.53	1.14	1.00	5.00
S11DTRMND	4486	3.51	1.15	1.00	5.00
S12DTRMND	4533	3.47	1.16	1.00	5.00
S13DTRMND	3679	3.54	1.14	1.00	5.00
S14DTRMND	3292	3.56	1.14	1.00	5.00
S15DTRMND	2610	3.54	1.15	1.00	5.00
R9ENTHSTC	6812	3.39	1.17	1.00	5.00
R10ENTHSTC	8057	3.37	1.17	1.00	5.00
R11ENTHSTC	7136	3.36	1.18	1.00	5.00
R12ENTHSTC	7315	3.37	1.18	1.00	5.00
R13ENTHSTC	6147	3.41	1.17	1.00	5.00
R14ENTHSTC	5509	3.44	1.16	1.00	5.00
R15ENTHSTC	4527	3.36	1.17	1.00	5.00
S9ENTHSTC	4313	3.46	1.14	1.00	5.00
S10ENTHSTC	5194	3.44	1.14	1.00	5.00
S11ENTHSTC	4500	3.42	1.16	1.00	5.00
S12ENTHSTC	4514	3.43	1.15	1.00	5.00
S13ENTHSTC	3674	3.48	1.13	1.00	5.00
S14ENTHSTC	3284	3.50	1.14	1.00	5.00
S15ENTHSTC	2607	3.42	1.15	1.00	5.00
R9ACTIVE	6897	3.44	1.19	1.00	5.00
R10ACTIVE	8136	3.42	1.17	1.00	5.00
R11ACTIVE	7192	3.40	1.19	1.00	5.00
R12ACTIVE	7403	3.42	1.19	1.00	5.00
R13ACTIVE	6210	3.42	1.17	1.00	5.00
R14ACTIVE	5576	3.49	1.17	1.00	5.00
R15ACTIVE	4588	3.41	1.17	1.00	5.00
S9ACTIVE	4343	3.53	1.15	1.00	5.00
S10ACTIVE	5231	3.52	1.15	1.00	5.00
S11ACTIVE	4527	3.50	1.16	1.00	5.00
S12ACTIVE	4569	3.50	1.17	1.00	5.00
S13ACTIVE	3708	3.49	1.14	1.00	5.00
S14ACTIVE	3315	3.58	1.15	1.00	5.00
S15ACTIVE	2632	3.49	1.15	1.00	5.00
R9PROUD	6897	3.56	1.24	1.00	5.00
R10PROUD	8131	3.54	1.22	1.00	5.00
R11PROUD	7193	3.51	1.24	1.00	5.00
R12PROUD	7385	3.53	1.23	1.00	5.00
R13PROUD	6212	3.56	1.23	1.00	5.00
R14PROUD	5572	3.57	1.20	1.00	5.00
R15PROUD	4577	3.51	1.21	1.00	5.00
S9PROUD	4343	3.62	1.20	1.00	5.00
S10PROUD	5233	3.60	1.19	1.00	5.00
S11PROUD	4529	3.57	1.22	1.00	5.00
S12PROUD	4557	3.57	1.21	1.00	5.00
S13PROUD	3705	3.59	1.20	1.00	5.00
S14PROUD	3307	3.61	1.17	1.00	5.00
S15PROUD	2630	3.54	1.19	1.00	5.00
R9INTRSTD	6889	3.78	1.13	1.00	5.00
R10INTRSTD	8102	3.76	1.11	1.00	5.00
R11INTRSTD	7156	3.73	1.13	1.00	5.00

R12INTRSTD	7368	3.72	1.13	1.00	5.00
R13INTRSTD	6188	3.73	1.12	1.00	5.00
R14INTRSTD	5555	3.77	1.10	1.00	5.00
R15INTRSTD	4557	3.73	1.11	1.00	5.00
S9INTRSTD	4338	3.83	1.09	1.00	5.00
S10INTRSTD	5215	3.82	1.07	1.00	5.00
S11INTRSTD	4505	3.76	1.12	1.00	5.00
S12INTRSTD	4549	3.77	1.09	1.00	5.00
S13INTRSTD	3693	3.76	1.09	1.00	5.00
S14INTRSTD	3306	3.79	1.08	1.00	5.00
S15INTRSTD	2622	3.75	1.09	1.00	5.00
R9FHAPPY	6936	3.90	1.03	1.00	5.00
R10FHAPPY	8185	3.86	1.04	1.00	5.00
R11FHAPPY	7213	3.85	1.04	1.00	5.00
R12FHAPPY	7415	3.86	1.06	1.00	5.00
R13FHAPPY	6217	3.90	1.04	1.00	5.00
R14FHAPPY	5585	3.92	1.02	1.00	5.00
R15FHAPPY	4583	3.86	1.01	1.00	5.00
S9FHAPPY	4358	3.97	0.99	1.00	5.00
S10FHAPPY	5256	3.94	1.00	1.00	5.00
S11FHAPPY	4538	3.93	1.01	1.00	5.00
S12FHAPPY	4565	3.93	1.01	1.00	5.00
S13FHAPPY	3707	3.96	0.99	1.00	5.00
S14FHAPPY	3309	3.98	0.99	1.00	5.00
S15FHAPPY	2627	3.91	1.00	1.00	5.00
R9ATTNTV	6802	3.60	1.13	1.00	5.00
R10ATTNTV	8021	3.54	1.13	1.00	5.00
R11ATTNTV	7098	3.56	1.14	1.00	5.00
R12ATTNTV	7328	3.50	1.16	1.00	5.00
R13ATTNTV	6149	3.58	1.14	1.00	5.00
R14ATTNTV	5509	3.57	1.15	1.00	5.00
R15ATTNTV	4523	3.60	1.13	1.00	5.00
S9ATTNTV	4300	3.62	1.10	1.00	5.00
S10ATTNTV	5169	3.59	1.11	1.00	5.00
S11ATTNTV	4485	3.64	1.10	1.00	5.00
S12ATTNTV	4538	3.56	1.14	1.00	5.00
S13ATTNTV	3683	3.63	1.10	1.00	5.00
S14ATTNTV	3280	3.64	1.10	1.00	5.00
S15ATTNTV	2597	3.66	1.09	1.00	5.00
R9CONTENT	6895	3.68	1.14	1.00	5.00
R10CONTENT	8134	3.61	1.16	1.00	5.00
R11CONTENT	7191	3.62	1.15	1.00	5.00
R12CONTENT	7397	3.61	1.17	1.00	5.00
R13CONTENT	6203	3.65	1.15	1.00	5.00
R14CONTENT	5566	3.67	1.14	1.00	5.00
R15CONTENT	4562	3.64	1.12	1.00	5.00
S9CONTENT	4346	3.75	1.11	1.00	5.00
S10CONTENT	5237	3.71	1.13	1.00	5.00
S11CONTENT	4532	3.70	1.13	1.00	5.00
S12CONTENT	4561	3.69	1.12	1.00	5.00
S13CONTENT	3698	3.72	1.11	1.00	5.00
S14CONTENT	3314	3.76	1.10	1.00	5.00
S15CONTENT	2621	3.72	1.07	1.00	5.00
R9INSPRD	6842	3.17	1.17	1.00	5.00
R10INSPRD	8063	3.16	1.17	1.00	5.00

R11INSPRD	7130	3.16	1.18	1.00	5.00
R12INSPRD	7291	3.16	1.17	1.00	5.00
R13INSPRD	6137	3.22	1.15	1.00	5.00
R14INSPRD	5526	3.27	1.17	1.00	5.00
R15INSPRD	4530	3.19	1.18	1.00	5.00
S9INSPRD	4320	3.23	1.13	1.00	5.00
S10INSPRD	5203	3.23	1.15	1.00	5.00
S11INSPRD	4490	3.23	1.15	1.00	5.00
S12INSPRD	4527	3.21	1.14	1.00	5.00
S13INSPRD	3676	3.27	1.13	1.00	5.00
S14INSPRD	3286	3.31	1.15	1.00	5.00
S15INSPRD	2601	3.25	1.16	1.00	5.00
R9HOPEFUL	6886	3.60	1.12	1.00	5.00
R10HOPEFUL	8134	3.60	1.12	1.00	5.00
R11HOPEFUL	7202	3.58	1.12	1.00	5.00
R12HOPEFUL	7388	3.56	1.10	1.00	5.00
R13HOPEFUL	6239	3.60	1.11	1.00	5.00
R14HOPEFUL	5585	3.65	1.10	1.00	5.00
R15HOPEFUL	4583	3.62	1.10	1.00	5.00
S9HOPEFUL	4336	3.65	1.07	1.00	5.00
S10HOPEFUL	5227	3.67	1.08	1.00	5.00
S11HOPEFUL	4537	3.63	1.08	1.00	5.00
S12HOPEFUL	4565	3.62	1.06	1.00	5.00
S13HOPEFUL	3716	3.65	1.07	1.00	5.00
S14HOPEFUL	3315	3.70	1.06	1.00	5.00
S15HOPEFUL	2628	3.66	1.06	1.00	5.00
R9ALERT	6909	3.90	1.04	1.00	5.00
R10ALERT	8141	3.87	1.03	1.00	5.00
R11ALERT	7198	3.87	1.04	1.00	5.00
R12ALERT	7379	3.86	1.03	1.00	5.00
R13ALERT	6223	3.89	1.02	1.00	5.00
R14ALERT	5580	3.94	1.03	1.00	5.00
R15ALERT	4581	3.95	1.00	1.00	5.00
S9ALERT	4350	3.92	1.01	1.00	5.00
S10ALERT	5243	3.91	1.00	1.00	5.00
S11ALERT	4541	3.90	1.00	1.00	5.00
S12ALERT	4556	3.88	0.99	1.00	5.00
S13ALERT	3717	3.89	0.99	1.00	5.00
S14ALERT	3314	3.97	1.01	1.00	5.00
S15ALERT	2622	3.98	0.96	1.00	5.00
R9CALM	6929	3.66	1.05	1.00	5.00
R10CALM	8157	3.64	1.06	1.00	5.00
R12CALM	7416	3.63	1.05	1.00	5.00
R13CALM	6254	3.66	1.03	1.00	5.00
R14CALM	5591	3.72	1.04	1.00	5.00
R15CALM	4602	3.69	1.03	1.00	5.00
S9CALM	4357	3.68	1.03	1.00	5.00
S10CALM	5250	3.67	1.03	1.00	5.00
S12CALM	4577	3.63	1.02	1.00	5.00
S13CALM	3731	3.68	1.00	1.00	5.00
S14CALM	3320	3.74	1.02	1.00	5.00
S15CALM	2638	3.70	1.02	1.00	5.00
R9EXCTD	6912	3.10	1.15	1.00	5.00
R10EXCTD	8146	3.11	1.14	1.00	5.00
R11EXCTD	7217	3.14	1.16	1.00	5.00

R12EXCTD	7396	3.14	1.16	1.00	5.00
R13EXCTD	6253	3.21	1.16	1.00	5.00
R14EXCTD	5598	3.27	1.14	1.00	5.00
R15EXCTD	4591	3.17	1.15	1.00	5.00
S9EXCTD	4356	3.18	1.12	1.00	5.00
S10EXCTD	5247	3.19	1.11	1.00	5.00
S11EXCTD	4546	3.22	1.13	1.00	5.00
S12EXCTD	4564	3.21	1.12	1.00	5.00
S13EXCTD	3735	3.27	1.12	1.00	5.00
S14EXCTD	3326	3.32	1.11	1.00	5.00
S15EXCTD	2631	3.23	1.11	1.00	5.00
R9PANASP13	6929	3.56	0.81	1.00	5.00
R10PANASP13	8178	3.54	0.81	1.00	5.00
R11PANASP13	7240	3.53	0.82	1.00	5.00
R12PANASP13	7436	3.52	0.82	1.00	5.00
R13PANASP13	6244	3.56	0.81	1.00	5.00
R14PANASP13	5607	3.60	0.81	1.00	5.00
R15PANASP13	4597	3.56	0.81	1.00	5.00
S9PANASP13	4358	3.61	0.78	1.00	5.00
S10PANASP13	5259	3.60	0.79	1.00	5.00
S11PANASP13	4553	3.59	0.80	1.00	5.00
S12PANASP13	4584	3.57	0.80	1.00	5.00
S13PANASP13	3724	3.61	0.79	1.00	5.00
S14PANASP13	3330	3.65	0.79	1.00	5.00
S15PANASP13	2635	3.61	0.81	1.00	5.00
R9PANASP13M	7073	0.35	1.70	0.00	13.00
R10PANASP13M	8332	0.34	1.65	0.00	13.00
R11PANASP13M	7412	0.42	1.86	0.00	13.00
R12PANASP13M	7541	0.29	1.39	0.00	13.00
R13PANASP13M	6370	0.35	1.50	0.00	13.00
R14PANASP13M	5738	0.40	1.83	0.00	13.00
R15PANASP13M	4670	0.29	1.46	0.00	13.00
S9PANASP13M	4429	0.27	1.53	0.00	13.00
S10PANASP13M	5335	0.27	1.46	0.00	13.00
S11PANASP13M	4636	0.32	1.63	0.00	13.00
S12PANASP13M	4635	0.23	1.22	0.00	13.00
S13PANASP13M	3780	0.27	1.28	0.00	13.00
S14PANASP13M	3397	0.36	1.73	0.00	13.00
S15PANASP13M	2668	0.23	1.28	0.00	13.00

### Categorical Variable Codes

Value-----				R9DTRMND	R10DTRMND
.c:no self-completion quest				10144	13702
.m:Missing				240	269
1.not at all				450	514
2.a little				988	1095
3.moderately				1696	2077
4.quite a bit				2073	2585
5.very much				1626	1792
Value-----	R11DTRMND	R12DTRMND	R13DTRMND	R14DTRMND	R15DTRMND
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	293	197	215	207	127
1.not at all	482	542	404	341	300
2.a little	1005	1058	788	731	590
3.moderately	1805	1873	1574	1350	1131
4.quite a bit	2212	2277	1939	1837	1478
5.very much	1615	1594	1450	1273	1044

Value-----				S9DTRMND	S10DTRMND
.c:no self-completion quest				6211	8173
.m:Missing				114	140
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				244	308
2.a little				615	678
3.moderately				1078	1295
4.quite a bit				1373	1764
5.very much				1005	1150
Value-----	S11DTRMND	S12DTRMND	S13DTRMND	S14DTRMND	S15DTRMND
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	150	102	101	106	58
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	277	307	209	189	158
2.a little	615	645	465	418	329
3.moderately	1127	1150	967	799	659
4.quite a bit	1485	1486	1204	1141	876
5.very much	982	945	834	745	588
Value-----				R9ENTHSTC	R10ENTHSTC
.c:no self-completion quest				10144	13702
.m:Missing				261	275
1.not at all				478	584
2.a little				1067	1280
3.moderately				1917	2250
4.quite a bit				2010	2444
5.very much				1340	1499
Value-----	R11ENTHSTC	R12ENTHSTC	R13ENTHSTC	R14ENTHSTC	R15ENTHSTC
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	276	226	223	230	143
1.not at all	544	568	452	388	337
2.a little	1138	1145	917	787	720
3.moderately	2016	2001	1656	1436	1280
4.quite a bit	2078	2239	1922	1802	1360
5.very much	1360	1362	1200	1096	830
Value-----				S9ENTHSTC	S10ENTHSTC
.c:no self-completion quest				6211	8173
.m:Missing				116	141
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				244	328
2.a little				633	750
3.moderately				1209	1421
4.quite a bit				1332	1674
5.very much				895	1021
Value-----	S11ENTHSTC	S12ENTHSTC	S13ENTHSTC	S14ENTHSTC	S15ENTHSTC
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	136	121	106	114	61
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	292	305	211	205	163
2.a little	690	659	521	438	419
3.moderately	1253	1193	970	828	691
4.quite a bit	1375	1498	1250	1137	822
5.very much	890	859	722	676	512
Value-----				R9ACTIVE	R10ACTIVE
.c:no self-completion quest				10144	13702
.m:Missing				176	196
1.not at all				440	454
2.a little				1066	1390
3.moderately				1994	2378
4.quite a bit				1792	2090
5.very much				1605	1824
Value-----	R11ACTIVE	R12ACTIVE	R13ACTIVE	R14ACTIVE	R15ACTIVE
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	220	138	160	163	82
1.not at all	462	480	367	317	259
2.a little	1225	1198	1020	827	804

3.moderately	2101	2120	1835	1624	1334
4.quite a bit	1812	1926	1604	1449	1186
5.very much	1592	1679	1384	1359	1005

Value-----				S9ACTIVE	S10ACTIVE
.c:no self-completion quest				6211	8173
.m:Missing				86	104
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				214	233
2.a little				613	805
3.moderately				1225	1480
4.quite a bit				1226	1438
5.very much				1065	1275

Value-----	S11ACTIVE	S12ACTIVE	S13ACTIVE	S14ACTIVE	S15ACTIVE
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	109	66	72	83	36
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	227	256	177	165	125
2.a little	701	664	563	429	426
3.moderately	1274	1273	1059	912	725
4.quite a bit	1243	1279	1068	942	738
5.very much	1082	1097	841	867	618

Value-----				R9PROUD	R10PROUD
.c:no self-completion quest				10144	13702
.m:Missing				176	201
1.not at all				519	588
2.a little				920	1109
3.moderately				1584	1970
4.quite a bit				1907	2253
5.very much				1967	2211

Value-----	R11PROUD	R12PROUD	R13PROUD	R14PROUD	R15PROUD
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	219	156	158	167	93
1.not at all	585	564	452	345	333
2.a little	996	995	846	756	635
3.moderately	1679	1811	1399	1350	1137
4.quite a bit	2009	2018	1818	1605	1311
5.very much	1924	1997	1697	1516	1161

Value-----				S9PROUD	S10PROUD
.c:no self-completion quest				6211	8173
.m:Missing				86	102
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				281	329
2.a little				536	656
3.moderately				995	1259
4.quite a bit				1293	1538
5.very much				1238	1451

Value-----	S11PROUD	S12PROUD	S13PROUD	S14PROUD	S15PROUD
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	107	78	75	91	38
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	331	306	243	181	175
2.a little	563	594	477	432	343
3.moderately	1057	1106	827	781	659
4.quite a bit	1338	1289	1150	1010	789
5.very much	1240	1262	1008	903	664

Value-----				R9INTRSTD	R10INTRSTD
.c:no self-completion quest				10144	13702
.m:Missing				184	230
1.not at all				328	350
2.a little				669	807
3.moderately				1375	1682
4.quite a bit				2344	2835
5.very much				2173	2428

Value-----	R11INTRSTD	R12INTRSTD	R13INTRSTD	R14INTRSTD	R15INTRSTD
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.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	256	173	182	184	113
1.not at all	343	328	291	222	190
2.a little	756	800	615	558	471
3.moderately	1505	1644	1379	1174	1040
4.quite a bit	2465	2454	2094	1943	1540
5.very much	2087	2142	1809	1658	1316

Value-----				S9INTRSTD	S10INTRSTD
.c:no self-completion quest				6211	8173
.m:Missing				91	120
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				181	187
2.a little				365	460
3.moderately				840	1053
4.quite a bit				1581	1913
5.very much				1371	1602

Value-----	S11INTRSTD	S12INTRSTD	S13INTRSTD	S14INTRSTD	S15INTRSTD
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	131	86	87	92	46
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	211	166	158	129	102
2.a little	435	462	329	299	259
3.moderately	909	989	804	683	579
4.quite a bit	1630	1590	1340	1207	922
5.very much	1320	1342	1062	988	760

Value-----				R9FHAPPY	R10FHAPPY
.c:no self-completion quest				10144	13702
.m:Missing				137	147
1.not at all				151	197
2.a little				597	741
3.moderately				1378	1715
4.quite a bit				2478	2923
5.very much				2332	2609

Value-----	R11FHAPPY	R12FHAPPY	R13FHAPPY	R14FHAPPY	R15FHAPPY
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	199	126	153	154	87
1.not at all	192	209	146	120	93
2.a little	612	641	525	452	379
3.moderately	1552	1575	1242	1084	1032
4.quite a bit	2559	2564	2203	2047	1671
5.very much	2298	2426	2101	1882	1408

Value-----				S9FHAPPY	S10FHAPPY
.c:no self-completion quest				6211	8173
.m:Missing				71	79
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				67	89
2.a little				337	418
3.moderately				804	1017
4.quite a bit				1620	1927
5.very much				1530	1805

Value-----	S11FHAPPY	S12FHAPPY	S13FHAPPY	S14FHAPPY	S15FHAPPY
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	98	70	73	89	41
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	101	87	69	56	54
2.a little	324	363	262	240	191
3.moderately	894	914	698	579	548
4.quite a bit	1681	1625	1383	1257	990
5.very much	1538	1576	1295	1177	844

Value-----				R9ATTNTV	R10ATTNTV
.c:no self-completion quest				10144	13702
.m:Missing				271	311
1.not at all				393	482
2.a little				730	991
3.moderately				1706	1979



4.quite a bit				2378	2865
5.very much				1595	1704

Value-----	R11ATTNTV	R12ATTNTV	R13ATTNTV	R14ATTNTV	R15ATTNTV
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	314	213	221	230	147
1.not at all	433	522	384	355	266
2.a little	828	920	692	638	495
3.moderately	1775	1833	1487	1285	1100
4.quite a bit	2442	2488	2165	1980	1592
5.very much	1620	1565	1421	1251	1070

Value-----	S9ATTNTV	S10ATTNTV
.c:no self-completion quest	6211	8173
.m:Missing	129	166
.u:not coupled	6212	7804
.v:SP NR	365	722
1.not at all	216	273
2.a little	446	589
3.moderately	1057	1234
4.quite a bit	1598	1950
5.very much	983	1123

Value-----	S11ATTNTV	S12ATTNTV	S13ATTNTV	S14ATTNTV	S15ATTNTV
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	151	97	97	118	71
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	233	275	188	171	120
2.a little	455	541	377	344	266
3.moderately	1073	1084	885	731	617
4.quite a bit	1668	1634	1394	1283	963
5.very much	1056	1004	839	751	631

Value-----	R9CONTENT	R10CONTENT
.c:no self-completion quest	10144	13702
.m:Missing	178	198
1.not at all	357	464
2.a little	727	1005
3.moderately	1643	1892
4.quite a bit	2223	2649
5.very much	1945	2124

Value-----	R11CONTENT	R12CONTENT	R13CONTENT	R14CONTENT	R15CONTENT
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	221	144	167	173	108
1.not at all	407	447	343	293	237
2.a little	812	885	687	601	457
3.moderately	1775	1732	1450	1274	1158
4.quite a bit	2288	2405	2062	1867	1555
5.very much	1909	1928	1661	1531	1155

Value-----	S9CONTENT	S10CONTENT
.c:no self-completion quest	6211	8173
.m:Missing	83	98
.u:not coupled	6212	7804
.v:SP NR	365	722
1.not at all	190	231
2.a little	416	603
3.moderately	978	1123
4.quite a bit	1479	1798
5.very much	1283	1482

Value-----	S11CONTENT	S12CONTENT	S13CONTENT	S14CONTENT	S15CONTENT
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	104	74	82	84	47
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	220	207	173	139	100
2.a little	458	509	360	328	249
3.moderately	1049	1015	804	697	623
4.quite a bit	1524	1579	1336	1190	960
5.very much	1281	1251	1025	960	689

Value-----	R9INSPRD	R10INSPRD
.c:no self-completion quest	10144	13702

.m:Missing				231	269
1.not at all				601	732
2.a little				1383	1642
3.moderately				2117	2429
4.quite a bit				1744	2089
5.very much				997	1171
Value-----	R11INSPRD	R12INSPRD	R13INSPRD	R14INSPRD	R15INSPRD
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	282	250	233	213	140
1.not at all	680	674	496	430	412
2.a little	1392	1456	1149	999	856
3.moderately	2186	2253	1905	1653	1382
4.quite a bit	1828	1856	1666	1519	1200
5.very much	1044	1052	921	925	680
Value-----				S9INSPRD	S10INSPRD
.c:no self-completion quest				6211	8173
.m:Missing				109	132
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				305	396
2.a little				851	1007
3.moderately				1325	1589
4.quite a bit				1215	1435
5.very much				624	776
Value-----	S11INSPRD	S12INSPRD	S13INSPRD	S14INSPRD	S15INSPRD
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	146	108	104	112	67
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	365	352	254	229	205
2.a little	806	849	649	572	484
3.moderately	1424	1448	1163	976	785
4.quite a bit	1242	1236	1060	953	714
5.very much	653	642	550	556	413
Value-----				R9HOPEFUL	R10HOPEFUL
.c:no self-completion quest				10144	13702
.m:Missing				187	198
1.not at all				264	305
2.a little				976	1155
3.moderately				1705	2055
4.quite a bit				2243	2601
5.very much				1698	2018
Value-----	R11HOPEFUL	R12HOPEFUL	R13HOPEFUL	R14HOPEFUL	R15HOPEFUL
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	210	153	131	154	87
1.not at all	283	287	237	188	151
2.a little	1027	1069	861	722	646
3.moderately	1865	1907	1534	1382	1148
4.quite a bit	2278	2465	2107	1862	1500
5.very much	1749	1660	1500	1431	1138
Value-----				S9HOPEFUL	S10HOPEFUL
.c:no self-completion quest				6211	8173
.m:Missing				93	108
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				121	155
2.a little				571	659
3.moderately				1056	1294
4.quite a bit				1537	1776
5.very much				1051	1343
Value-----	S11HOPEFUL	S12HOPEFUL	S13HOPEFUL	S14HOPEFUL	S15HOPEFUL
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	99	70	64	83	40
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	140	137	126	89	65
2.a little	595	599	448	393	345
3.moderately	1163	1176	896	794	667
4.quite a bit	1530	1624	1368	1182	902

5.very much	1109	1029	878	857	649
Value-----				R9ALERT	R10ALERT
.c:no self-completion quest				10144	13702
.m:Missing				164	191
1.not at all				183	215
2.a little				549	645
3.moderately				1358	1694
4.quite a bit				2485	3018
5.very much				2334	2569
Value-----	R11ALERT	R12ALERT	R13ALERT	R14ALERT	R15ALERT
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	214	162	147	159	89
1.not at all	184	188	153	139	86
2.a little	578	598	460	404	335
3.moderately	1558	1558	1334	1067	882
4.quite a bit	2555	2745	2276	2000	1691
5.very much	2323	2290	2000	1970	1587
Value-----				S9ALERT	S10ALERT
.c:no self-completion quest				6211	8173
.m:Missing				79	92
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				90	106
2.a little				344	385
3.moderately				811	1056
4.quite a bit				1677	2010
5.very much				1428	1686
Value-----	S11ALERT	S12ALERT	S13ALERT	S14ALERT	S15ALERT
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	95	79	63	84	46
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	99	90	82	78	33
2.a little	330	348	250	234	180
3.moderately	944	955	806	568	498
4.quite a bit	1722	1783	1433	1259	996
5.very much	1446	1380	1146	1175	915
Value-----				R9CALM	R10CALM
.c:no self-completion quest				10144	13702
.m:Missing				144	175
1.not at all				212	259
2.a little				747	951
3.moderately				1883	2198
4.quite a bit				2420	2837
5.very much				1667	1912
Value-----		R12CALM	R13CALM	R14CALM	R15CALM
.c:no self-completion quest		11206	14542	11407	11053
.m:Missing		125	116	148	68
1.not at all		216	182	148	118
2.a little		869	676	586	494
3.moderately		2067	1622	1369	1200
4.quite a bit		2572	2351	2048	1670
5.very much		1692	1423	1440	1120
Value-----				S9CALM	S10CALM
.c:no self-completion quest				6211	8173
.m:Missing				72	85
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				121	140
2.a little				460	580
3.moderately				1120	1382
4.quite a bit				1632	1934
5.very much				1024	1214
Value-----		S12CALM	S13CALM	S14CALM	S15CALM
.c:no self-completion quest		6377	7998	5960	5798
.m:Missing		58	49	78	30
.u:not coupled		7125	8025	6684	6202
.v:SP NR		610	1109	1104	1055

1.not at all			120	88	74	59
2.a little			522	401	342	284
3.moderately			1272	945	794	696
4.quite a bit			1675	1489	1263	958
5.very much			988	808	847	641
Value-----					R9EXCTD	R10EXCTD
.c:no self-completion quest					10144	13702
.m:Missing					161	186
1.not at all					653	696
2.a little					1422	1717
3.moderately					2301	2766
4.quite a bit					1638	1925
5.very much					898	1042
Value-----		R11EXCTD	R12EXCTD	R13EXCTD	R14EXCTD	R15EXCTD
.c:no self-completion quest		13142	11206	14542	11407	11053
.m:Missing		195	145	117	141	79
1.not at all		660	669	515	400	371
2.a little		1429	1483	1181	987	936
3.moderately		2355	2409	1982	1796	1467
4.quite a bit		1765	1822	1637	1532	1154
5.very much		1008	1013	938	883	663
Value-----					S9EXCTD	S10EXCTD
.c:no self-completion quest					6211	8173
.m:Missing					73	88
.u:not coupled					6212	7804
.v:SP NR					365	722
1.not at all					327	367
2.a little					865	1014
3.moderately					1456	1826
4.quite a bit					1133	1350
5.very much					575	690
Value-----		S11EXCTD	S12EXCTD	S13EXCTD	S14EXCTD	S15EXCTD
.c:no self-completion quest		7840	6377	7998	5960	5798
.m:Missing		90	71	45	72	37
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.not at all		343	338	252	196	162
2.a little		835	862	664	577	525
3.moderately		1491	1513	1218	1060	860
4.quite a bit		1221	1227	1040	954	707
5.very much		656	624	561	539	377

## How Constructed:

The following variables indicate to what degree the respondent felt a particular feeling in the past 30 days. Each of these variables are assigned the following 5-point values: 1.Not at all, 2.A little, 3.Moderately, 4.Quite a bit, 5.Very much. Note that this scale is reversed from the how the scale was asked in the HRS to ensure that higher values represent more positive feelings. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwDTRMND indicates to what degree the respondent felt determined in the past 30 days.

RwENTHSTC indicates to what degree the respondent felt enthusiastic in the past 30 days.

RwACTIVE indicates to what degree the respondent felt active in the past 30 days.

RwPROUD indicates to what degree the respondent felt proud in the past 30 days.

RwINTRSTD indicates to what degree the respondent felt interested in the past 30 days.

RwFHAPPY indicates to what degree the respondent felt happy in the past 30 days.

RwATTNTV indicates to what degree the respondent felt attentive in the past 30 days.

RwCONTENT indicates to what degree the respondent felt content in the past 30 days.

RwINSPRD indicates to what degree the respondent felt inspired in the past 30 days.

RwHOPEFUL indicates to what degree the respondent felt hopeful in the past 30 days.

RwALERT indicates to what degree the respondent felt alert in the past 30 days.

RwCALM indicates to what degree the respondent felt calm in the past 30 days.

RwEXCTD indicates to what degree the respondent felt excited in the past 30 days.

SwDTRMND, SwENTHSTC, SwACTIVE, SwPROUD, SwINTRSTD, SwFHAPPY, SwATTNTV, SwCONTENT, SwINSPRD, SwHOPEFUL, SwALERT, SwCALM, and SwEXCTD indicate to what degree the respondent's current wave's spouse felt the particular feeling in the past 30 days, and their values are taken from the corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwPANASP13 is a 13-item index of positive affect and is the mean of RwDTRMND, RwENTHSTC, RwACTIVE, RwPROUD, RwINTRSTD, RwFHAPPY, RwATTNTV, RwCONTENT, RwINSPRD, RwHOPEFUL, RwALERT, RwCALM, and RwEXCTD. RwPANASP13M is the count of the number of missing components for this summary. RwPANASP13 is set to special missing .m if 7 or more items have missing values, that is RwPANASP13M ranges from 7 to 13. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwPANASP13 is a 13-item index of positive affect for the respondent's current wave's spouse and its value is taken from the corresponding respondent variable. SwPANASP13M is the count of the number of missing components in this summary and its value is taken from the corresponding respondent variable. In addition to the special missing codes employed by the respondent variables, SwPANASP13 and SwPANASP13M employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to positive affect items were added to HRS leave-behind survey starting in Wave 9.

### HRS Variables Used:

Wave 9:

LLB027C	q27c. determined
LLB027D	q27d. enthusiastic
LLB027F	q27f. active
LLB027G	q27g. proud
LLB027H	q27h. interested
LLB027K	q27k. happy
LLB027L	q27l. bored
LLB027P	q27p. attentive
LLB027Q	q27q. content
LLB027T	q27t. inspired
LLB027U	q27u. hopeful
LLB027V	q27v. alert
LLB027X	q27x. calm

LLB027Y	q27y. excited
Wave 10:	
MLB027C	q27c. determined
MLB027D	q27d. enthusiastic
MLB027F	q27f. active
MLB027G	q27g. proud
MLB027H	q27h. interested
MLB027K	q27k. happy
MLB027P	q27p. attentive
MLB027Q	q27q. content
MLB027T	q27t. inspired
MLB027U	q27u. hopeful
MLB027V	q27v. alert
MLB027X	q27x. calm
MLB027Y	q27y. excited
Wave 11:	
NLB027C	q27c. determined
NLB027D	q27d. enthusiastic
NLB027F	q27f. active
NLB027G	q27g. proud
NLB027H	q27h. interested
NLB027K	q27k. happy
NLB027P	q27p. attentive
NLB027Q	q27q. content
NLB027T	q27t. inspired
NLB027U	q27u. hopeful
NLB027V	q27v. alert
NLB027X	q27x. calm
NLB027Y	q27y. excited
Wave 12:	
OLB026C	q26c. determined
OLB026D	q26d. enthusiastic
OLB026F	q26f. active
OLB026G	q26g. proud
OLB026H	q26h. interested
OLB026K	q26k. happy
OLB026P	q26p. attentive
OLB026Q	q26q. content
OLB026T	q26t. inspired
OLB026U	q26u. hopeful
OLB026V	q26v. alert
OLB026X	q26x. calm
OLB026Y	q26y. excited
Wave 13:	
PLB026C	q26c. determined
PLB026D	q26d. enthusiastic
PLB026F	q26f. active
PLB026G	q26g. proud
PLB026H	q26h. interested
PLB026K	q26k. happy
PLB026P	q26p. attentive
PLB026Q	q26q. content
PLB026T	q26t. inspired
PLB026U	q26u. hopeful
PLB026V	q26v. alert
PLB026X	q26x. calm
PLB026Y	q26y. excited
Wave 14:	
QLB026C	q26c. determined
QLB026D	q26d. enthusiastic
QLB026F	q26f. active
QLB026G	q26g. proud
QLB026H	q26h. interested

QLB026K	q26k. happy
QLB026P	q26p. attentive
QLB026Q	q26q. content
QLB026T	q26t. inspired
QLB026U	q26u. hopeful
QLB026V	q26v. alert
QLB026X	q26x. calm
QLB026Y	q26y. excited

## Wave 15:

RLB026C	q26c. determined
RLB026D	q26d. enthusiastic
RLB026F	q26f. active
RLB026G	q26g. proud
RLB026H	q26h. interested
RLB026K	q26k. happy
RLB026P	q26p. attentive
RLB026R	q26r. nervous
RLB026T	q26t. inspired
RLB026U	q26u. hopeful
RLB026V	q26v. alert
RLB026X	q26x. calm
RLB026Y	q26y. excited

<b>PANAS-X: Negative Affect Items</b>
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Wave	Variable	Label	Type
09	R9AFRAID	r9afraid:w9 PANAS-X: degree r felt afraid	Categ
10	R10AFRAID	r10afraid:w10 PANAS-X: degree r felt afraid	Categ
11	R11AFRAID	r11afraid:w11 PANAS-X: degree r felt afraid	Categ
12	R12AFRAID	r12afraid:w12 PANAS-X: degree r felt afraid	Categ
13	R13AFRAID	r13afraid:w13 PANAS-X: degree r felt afraid	Categ
14	R14AFRAID	r14afraid:w14 PANAS-X: degree r felt afraid	Categ
15	R15AFRAID	r15afraid:w15 PANAS-X: degree r felt afraid	Categ
09	S9AFRAID	s9afraid:w9 PANAS-X: degree s felt afraid	Categ
10	S10AFRAID	s10afraid:w10 PANAS-X: degree s felt afraid	Categ
11	S11AFRAID	s11afraid:w11 PANAS-X: degree s felt afraid	Categ
12	S12AFRAID	s12afraid:w12 PANAS-X: degree s felt afraid	Categ
13	S13AFRAID	s13afraid:w13 PANAS-X: degree s felt afraid	Categ
14	S14AFRAID	s14afraid:w14 PANAS-X: degree s felt afraid	Categ
15	S15AFRAID	s15afraid:w15 PANAS-X: degree s felt afraid	Categ
09	R9FUPSET	r9fupset:w9 PANAS-X: degree r felt upset	Categ
10	R10FUPSET	r10fupset:w10 PANAS-X: degree r felt upset	Categ
11	R11FUPSET	r11fupset:w11 PANAS-X: degree r felt upset	Categ
12	R12FUPSET	r12fupset:w12 PANAS-X: degree r felt upset	Categ
13	R13FUPSET	r13fupset:w13 PANAS-X: degree r felt upset	Categ
14	R14FUPSET	r14fupset:w14 PANAS-X: degree r felt upset	Categ
15	R15FUPSET	r15fupset:w15 PANAS-X: degree r felt upset	Categ
09	S9FUPSET	s9fupset:w9 PANAS-X: degree s felt upset	Categ
10	S10FUPSET	s10fupset:w10 PANAS-X: degree s felt upset	Categ
11	S11FUPSET	s11fupset:w11 PANAS-X: degree s felt upset	Categ
12	S12FUPSET	s12fupset:w12 PANAS-X: degree s felt upset	Categ
13	S13FUPSET	s13fupset:w13 PANAS-X: degree s felt upset	Categ
14	S14FUPSET	s14fupset:w14 PANAS-X: degree s felt upset	Categ
15	S15FUPSET	s15fupset:w15 PANAS-X: degree s felt upset	Categ
09	R9GUILTY	r9guilty:w9 PANAS-X: degree r felt guilty	Categ
10	R10GUILTY	r10guilty:w10 PANAS-X: degree r felt guilty	Categ
11	R11GUILTY	r11guilty:w11 PANAS-X: degree r felt guilty	Categ
12	R12GUILTY	r12guilty:w12 PANAS-X: degree r felt guilty	Categ
13	R13GUILTY	r13guilty:w13 PANAS-X: degree r felt guilty	Categ
14	R14GUILTY	r14guilty:w14 PANAS-X: degree r felt guilty	Categ
15	R15GUILTY	r15guilty:w15 PANAS-X: degree r felt guilty	Categ
09	S9GUILTY	s9guilty:w9 PANAS-X: degree s felt guilty	Categ
10	S10GUILTY	s10guilty:w10 PANAS-X: degree s felt guilty	Categ
11	S11GUILTY	s11guilty:w11 PANAS-X: degree s felt guilty	Categ
12	S12GUILTY	s12guilty:w12 PANAS-X: degree s felt guilty	Categ
13	S13GUILTY	s13guilty:w13 PANAS-X: degree s felt guilty	Categ
14	S14GUILTY	s14guilty:w14 PANAS-X: degree s felt guilty	Categ
15	S15GUILTY	s15guilty:w15 PANAS-X: degree s felt guilty	Categ
09	R9SCARED	r9scared:w9 PANAS-X: degree r felt scared	Categ
10	R10SCARED	r10scared:w10 PANAS-X: degree r felt scared	Categ
11	R11SCARED	r11scared:w11 PANAS-X: degree r felt scared	Categ
12	R12SCARED	r12scared:w12 PANAS-X: degree r felt scared	Categ
13	R13SCARED	r13scared:w13 PANAS-X: degree r felt scared	Categ
14	R14SCARED	r14scared:w14 PANAS-X: degree r felt scared	Categ
15	R15SCARED	r15scared:w15 PANAS-X: degree r felt scared	Categ
09	S9SCARED	s9scared:w9 PANAS-X: degree s felt scared	Categ



10	S10SCARED	s10scared:w10	PANAS-X: degree s	felt scared	Categ
11	S11SCARED	s11scared:w11	PANAS-X: degree s	felt scared	Categ
12	S12SCARED	s12scared:w12	PANAS-X: degree s	felt scared	Categ
13	S13SCARED	s13scared:w13	PANAS-X: degree s	felt scared	Categ
14	S14SCARED	s14scared:w14	PANAS-X: degree s	felt scared	Categ
15	S15SCARED	s15scared:w15	PANAS-X: degree s	felt scared	Categ
09	R9FRUSTRAT	r9frustrat:w9	PANAS-X: degree r	felt frustrated	Categ
10	R10FRUSTRAT	r10frustrat:w10	PANAS-X: degree r	felt frustrated	Categ
11	R11FRUSTRAT	r11frustrat:w11	PANAS-X: degree r	felt frustrated	Categ
12	R12FRUSTRAT	r12frustrat:w12	PANAS-X: degree r	felt frustrated	Categ
13	R13FRUSTRAT	r13frustrat:w13	PANAS-X: degree r	felt frustrated	Categ
14	R14FRUSTRAT	r14frustrat:w14	PANAS-X: degree r	felt frustrated	Categ
15	R15FRUSTRAT	r15frustrat:w15	PANAS-X: degree r	felt frustrated	Categ
09	S9FRUSTRAT	s9frustrat:w9	PANAS-X: degree s	felt frustrated	Categ
10	S10FRUSTRAT	s10frustrat:w10	PANAS-X: degree s	felt frustrated	Categ
11	S11FRUSTRAT	s11frustrat:w11	PANAS-X: degree s	felt frustrated	Categ
12	S12FRUSTRAT	s12frustrat:w12	PANAS-X: degree s	felt frustrated	Categ
13	S13FRUSTRAT	s13frustrat:w13	PANAS-X: degree s	felt frustrated	Categ
14	S14FRUSTRAT	s14frustrat:w14	PANAS-X: degree s	felt frustrated	Categ
15	S15FRUSTRAT	s15frustrat:w15	PANAS-X: degree s	felt frustrated	Categ
09	R9BORED	r9bored:w9	PANAS-X: degree r	felt bored	Categ
10	R10BORED	r10bored:w10	PANAS-X: degree r	felt bored	Categ
11	R11BORED	r11bored:w11	PANAS-X: degree r	felt bored	Categ
12	R12BORED	r12bored:w12	PANAS-X: degree r	felt bored	Categ
13	R13BORED	r13bored:w13	PANAS-X: degree r	felt bored	Categ
14	R14BORED	r14bored:w14	PANAS-X: degree r	felt bored	Categ
15	R15BORED	r15bored:w15	PANAS-X: degree r	felt bored	Categ
09	S9BORED	s9bored:w9	PANAS-X: degree s	felt bored	Categ
10	S10BORED	s10bored:w10	PANAS-X: degree s	felt bored	Categ
11	S11BORED	s11bored:w11	PANAS-X: degree s	felt bored	Categ
12	S12BORED	s12bored:w12	PANAS-X: degree s	felt bored	Categ
13	S13BORED	s13bored:w13	PANAS-X: degree s	felt bored	Categ
14	S14BORED	s14bored:w14	PANAS-X: degree s	felt bored	Categ
15	S15BORED	s15bored:w15	PANAS-X: degree s	felt bored	Categ
09	R9HOSTILE	r9hostile:w9	PANAS-X: degree r	felt hostile	Categ
10	R10HOSTILE	r10hostile:w10	PANAS-X: degree r	felt hostile	Categ
11	R11HOSTILE	r11hostile:w11	PANAS-X: degree r	felt hostile	Categ
12	R12HOSTILE	r12hostile:w12	PANAS-X: degree r	felt hostile	Categ
13	R13HOSTILE	r13hostile:w13	PANAS-X: degree r	felt hostile	Categ
14	R14HOSTILE	r14hostile:w14	PANAS-X: degree r	felt hostile	Categ
15	R15HOSTILE	r15hostile:w15	PANAS-X: degree r	felt hostile	Categ
09	S9HOSTILE	s9hostile:w9	PANAS-X: degree s	felt hostile	Categ
10	S10HOSTILE	s10hostile:w10	PANAS-X: degree s	felt hostile	Categ
11	S11HOSTILE	s11hostile:w11	PANAS-X: degree s	felt hostile	Categ
12	S12HOSTILE	s12hostile:w12	PANAS-X: degree s	felt hostile	Categ
13	S13HOSTILE	s13hostile:w13	PANAS-X: degree s	felt hostile	Categ
14	S14HOSTILE	s14hostile:w14	PANAS-X: degree s	felt hostile	Categ
15	S15HOSTILE	s15hostile:w15	PANAS-X: degree s	felt hostile	Categ
09	R9JITTERY	r9jittery:w9	PANAS-X: degree r	felt jittery	Categ
10	R10JITTERY	r10jittery:w10	PANAS-X: degree r	felt jittery	Categ
11	R11JITTERY	r11jittery:w11	PANAS-X: degree r	felt jittery	Categ
12	R12JITTERY	r12jittery:w12	PANAS-X: degree r	felt jittery	Categ
13	R13JITTERY	r13jittery:w13	PANAS-X: degree r	felt jittery	Categ
14	R14JITTERY	r14jittery:w14	PANAS-X: degree r	felt jittery	Categ
15	R15JITTERY	r15jittery:w15	PANAS-X: degree r	felt jittery	Categ

09	S9JITTERY	s9jittery:w9 PANAS-X: degree s felt jittery	Categ
10	S10JITTERY	s10jittery:w10 PANAS-X: degree s felt jittery	Categ
11	S11JITTERY	s11jittery:w11 PANAS-X: degree s felt jittery	Categ
12	S12JITTERY	s12jittery:w12 PANAS-X: degree s felt jittery	Categ
13	S13JITTERY	s13jittery:w13 PANAS-X: degree s felt jittery	Categ
14	S14JITTERY	s14jittery:w14 PANAS-X: degree s felt jittery	Categ
15	S15JITTERY	s15jittery:w15 PANAS-X: degree s felt jittery	Categ
09	R9ASHAMD	r9ashamd:w9 PANAS-X: degree r felt ashamed	Categ
10	R10ASHAMD	r10ashamd:w10 PANAS-X: degree r felt ashamed	Categ
11	R11ASHAMD	r11ashamd:w11 PANAS-X: degree r felt ashamed	Categ
12	R12ASHAMD	r12ashamd:w12 PANAS-X: degree r felt ashamed	Categ
13	R13ASHAMD	r13ashamd:w13 PANAS-X: degree r felt ashamed	Categ
14	R14ASHAMD	r14ashamd:w14 PANAS-X: degree r felt ashamed	Categ
15	R15ASHAMD	r15ashamd:w15 PANAS-X: degree r felt ashamed	Categ
09	S9ASHAMD	s9ashamd:w9 PANAS-X: degree s felt ashamed	Categ
10	S10ASHAMD	s10ashamd:w10 PANAS-X: degree s felt ashamed	Categ
11	S11ASHAMD	s11ashamd:w11 PANAS-X: degree s felt ashamed	Categ
12	S12ASHAMD	s12ashamd:w12 PANAS-X: degree s felt ashamed	Categ
13	S13ASHAMD	s13ashamd:w13 PANAS-X: degree s felt ashamed	Categ
14	S14ASHAMD	s14ashamd:w14 PANAS-X: degree s felt ashamed	Categ
15	S15ASHAMD	s15ashamd:w15 PANAS-X: degree s felt ashamed	Categ
09	R9NRVOUS	r9nrvous:w9 PANAS-X: degree r felt nervous	Categ
10	R10NRVOUS	r10nrvous:w10 PANAS-X: degree r felt nervous	Categ
11	R11NRVOUS	r11nrvous:w11 PANAS-X: degree r felt nervous	Categ
12	R12NRVOUS	r12nrvous:w12 PANAS-X: degree r felt nervous	Categ
13	R13NRVOUS	r13nrvous:w13 PANAS-X: degree r felt nervous	Categ
14	R14NRVOUS	r14nrvous:w14 PANAS-X: degree r felt nervous	Categ
15	R15NRVOUS	r15nrvous:w15 PANAS-X: degree r felt nervous	Categ
09	S9NRVOUS	s9nrvous:w9 PANAS-X: degree s felt nervous	Categ
10	S10NRVOUS	s10nrvous:w10 PANAS-X: degree s felt nervous	Categ
11	S11NRVOUS	s11nrvous:w11 PANAS-X: degree s felt nervous	Categ
12	S12NRVOUS	s12nrvous:w12 PANAS-X: degree s felt nervous	Categ
13	S13NRVOUS	s13nrvous:w13 PANAS-X: degree s felt nervous	Categ
14	S14NRVOUS	s14nrvous:w14 PANAS-X: degree s felt nervous	Categ
15	S15NRVOUS	s15nrvous:w15 PANAS-X: degree s felt nervous	Categ
09	R9PFSAD	r9pfsad:w9 PANAS-X: degree r felt sad	Categ
10	R10PFSAD	r10pfsad:w10 PANAS-X: degree r felt sad	Categ
11	R11PFSAD	r11pfsad:w11 PANAS-X: degree r felt sad	Categ
12	R12PFSAD	r12pfsad:w12 PANAS-X: degree r felt sad	Categ
13	R13PFSAD	r13pfsad:w13 PANAS-X: degree r felt sad	Categ
14	R14PFSAD	r14pfsad:w14 PANAS-X: degree r felt sad	Categ
15	R15PFSAD	r15pfsad:w15 PANAS-X: degree r felt sad	Categ
09	S9PFSAD	s9pfsad:w9 PANAS-X: degree s felt sad	Categ
10	S10PFSAD	s10pfsad:w10 PANAS-X: degree s felt sad	Categ
11	S11PFSAD	s11pfsad:w11 PANAS-X: degree s felt sad	Categ
12	S12PFSAD	s12pfsad:w12 PANAS-X: degree s felt sad	Categ
13	S13PFSAD	s13pfsad:w13 PANAS-X: degree s felt sad	Categ
14	S14PFSAD	s14pfsad:w14 PANAS-X: degree s felt sad	Categ
15	S15PFSAD	s15pfsad:w15 PANAS-X: degree s felt sad	Categ
09	R9DSTRES	r9dstres:w9 PANAS-X: degree r felt distressed	Categ
10	R10DSTRES	r10dstres:w10 PANAS-X: degree r felt distressed	Categ
11	R11DSTRES	r11dstres:w11 PANAS-X: degree r felt distressed	Categ
12	R12DSTRES	r12dstres:w12 PANAS-X: degree r felt distressed	Categ
13	R13DSTRES	r13dstres:w13 PANAS-X: degree r felt distressed	Categ
14	R14DSTRES	r14dstres:w14 PANAS-X: degree r felt distressed	Categ
15	R15DSTRES	r15dstres:w15 PANAS-X: degree r felt distressed	Categ

09	S9DSTRES	s9dstres:w9	PANAS-X: degree s felt distressed	Categ
10	S10DSTRES	s10dstres:w10	PANAS-X: degree s felt distressed	Categ
11	S11DSTRES	s11dstres:w11	PANAS-X: degree s felt distressed	Categ
12	S12DSTRES	s12dstres:w12	PANAS-X: degree s felt distressed	Categ
13	S13DSTRES	s13dstres:w13	PANAS-X: degree s felt distressed	Categ
14	S14DSTRES	s14dstres:w14	PANAS-X: degree s felt distressed	Categ
15	S15DSTRES	s15dstres:w15	PANAS-X: degree s felt distressed	Categ
09	R9PANASN12	r9panasn12:w9	r PANAS-X average negative affect score	Cont
10	R10PANASN12	r10panasn12:w10	r PANAS-X average negative affect score	Cont
11	R11PANASN12	r11panasn12:w11	r PANAS-X average negative affect score	Cont
12	R12PANASN12	r12panasn12:w12	r PANAS-X average negative affect score	Cont
13	R13PANASN12	r13panasn12:w13	r PANAS-X average negative affect score	Cont
14	R14PANASN12	r14panasn12:w14	r PANAS-X average negative affect score	Cont
15	R15PANASN12	r15panasn12:w15	r PANAS-X average negative affect score	Cont
09	S9PANASN12	s9panasn12:w9	s PANAS-X average negative affect score	Cont
10	S10PANASN12	s10panasn12:w10	s PANAS-X average negative affect score	Cont
11	S11PANASN12	s11panasn12:w11	s PANAS-X average negative affect score	Cont
12	S12PANASN12	s12panasn12:w12	s PANAS-X average negative affect score	Cont
13	S13PANASN12	s13panasn12:w13	s PANAS-X average negative affect score	Cont
14	S14PANASN12	s14panasn12:w14	s PANAS-X average negative affect score	Cont
15	S15PANASN12	s15panasn12:w15	s PANAS-X average negative affect score	Cont
09	R9PANASN12M	r9panasn12m:w9	r PANAS-X negative affect score missings	Cont
10	R10PANASN12M	r10panasn12m:w10	r PANAS-X negative affect score missings	Cont
11	R11PANASN12M	r11panasn12m:w11	r PANAS-X negative affect score missings	Cont
12	R12PANASN12M	r12panasn12m:w12	r PANAS-X negative affect score missings	Cont
13	R13PANASN12M	r13panasn12m:w13	r PANAS-X negative affect score missings	Cont
14	R14PANASN12M	r14panasn12m:w14	r PANAS-X negative affect score missings	Cont
15	R15PANASN12M	r15panasn12m:w15	r PANAS-X negative affect score missings	Cont
09	S9PANASN12M	s9panasn12m:w9	s PANAS-X negative affect score missings	Cont
10	S10PANASN12M	s10panasn12m:w10	s PANAS-X negative affect score missings	Cont
11	S11PANASN12M	s11panasn12m:w11	s PANAS-X negative affect score missings	Cont
12	S12PANASN12M	s12panasn12m:w12	s PANAS-X negative affect score missings	Cont
13	S13PANASN12M	s13panasn12m:w13	s PANAS-X negative affect score missings	Cont
14	S14PANASN12M	s14panasn12m:w14	s PANAS-X negative affect score missings	Cont
15	S15PANASN12M	s15panasn12m:w15	s PANAS-X negative affect score missings	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9AFRAID	6938	1.51	0.81	1.00	5.00
R10AFRAID	8188	1.57	0.84	1.00	5.00
R11AFRAID	7242	1.56	0.87	1.00	5.00
R12AFRAID	7438	1.55	0.83	1.00	5.00
R13AFRAID	6244	1.56	0.85	1.00	5.00
R14AFRAID	5610	1.51	0.82	1.00	5.00
R15AFRAID	4596	1.64	0.90	1.00	5.00
S9AFRAID	4361	1.46	0.76	1.00	5.00
S10AFRAID	5262	1.53	0.81	1.00	5.00
S11AFRAID	4549	1.51	0.81	1.00	5.00
S12AFRAID	4582	1.52	0.80	1.00	5.00
S13AFRAID	3724	1.51	0.81	1.00	5.00
S14AFRAID	3330	1.47	0.78	1.00	5.00
S15AFRAID	2638	1.63	0.88	1.00	5.00
R9FUPSET	6937	2.16	0.97	1.00	5.00
R10FUPSET	8163	2.19	0.98	1.00	5.00

R11FUPSET	7204	2.19	1.00	1.00	5.00
R12FUPSET	7414	2.16	0.97	1.00	5.00
R13FUPSET	6218	2.16	0.98	1.00	5.00
R14FUPSET	5594	2.13	0.96	1.00	5.00
R15FUPSET	4569	2.14	0.98	1.00	5.00
S9FUPSET	4362	2.15	0.95	1.00	5.00
S10FUPSET	5243	2.17	0.95	1.00	5.00
S11FUPSET	4523	2.16	0.97	1.00	5.00
S12FUPSET	4567	2.14	0.94	1.00	5.00
S13FUPSET	3712	2.14	0.95	1.00	5.00
S14FUPSET	3319	2.11	0.93	1.00	5.00
S15FUPSET	2625	2.15	0.97	1.00	5.00
R9GUILTY	6905	1.44	0.77	1.00	5.00
R10GUILTY	8120	1.47	0.79	1.00	5.00
R11GUILTY	7186	1.47	0.80	1.00	5.00
R12GUILTY	7381	1.49	0.81	1.00	5.00
R13GUILTY	6197	1.49	0.81	1.00	5.00
R14GUILTY	5563	1.47	0.80	1.00	5.00
R15GUILTY	4561	1.43	0.78	1.00	5.00
S9GUILTY	4348	1.45	0.76	1.00	5.00
S10GUILTY	5227	1.46	0.77	1.00	5.00
S11GUILTY	4518	1.46	0.79	1.00	5.00
S12GUILTY	4555	1.49	0.80	1.00	5.00
S13GUILTY	3703	1.49	0.80	1.00	5.00
S14GUILTY	3314	1.47	0.79	1.00	5.00
S15GUILTY	2619	1.43	0.76	1.00	5.00
R9SCARED	6896	1.55	0.86	1.00	5.00
R10SCARED	8129	1.60	0.88	1.00	5.00
R11SCARED	7197	1.59	0.89	1.00	5.00
R12SCARED	7384	1.58	0.87	1.00	5.00
R13SCARED	6207	1.60	0.89	1.00	5.00
R14SCARED	5574	1.58	0.88	1.00	5.00
R15SCARED	4563	1.69	0.93	1.00	5.00
S9SCARED	4337	1.51	0.82	1.00	5.00
S10SCARED	5234	1.56	0.84	1.00	5.00
S11SCARED	4528	1.55	0.84	1.00	5.00
S12SCARED	4559	1.56	0.85	1.00	5.00
S13SCARED	3709	1.55	0.84	1.00	5.00
S14SCARED	3308	1.54	0.83	1.00	5.00
S15SCARED	2618	1.66	0.90	1.00	5.00
R9FRUSTRAT	6870	2.29	1.08	1.00	5.00
R10FRUSTRAT	8096	2.34	1.10	1.00	5.00
R11FRUSTRAT	7148	2.33	1.10	1.00	5.00
R12FRUSTRAT	7342	2.28	1.08	1.00	5.00
R13FRUSTRAT	6202	2.34	1.11	1.00	5.00
R14FRUSTRAT	5547	2.31	1.09	1.00	5.00
R15FRUSTRAT	4554	2.33	1.08	1.00	5.00
S9FRUSTRAT	4338	2.29	1.06	1.00	5.00
S10FRUSTRAT	5222	2.32	1.08	1.00	5.00
S11FRUSTRAT	4512	2.31	1.08	1.00	5.00
S12FRUSTRAT	4542	2.27	1.07	1.00	5.00
S13FRUSTRAT	3707	2.31	1.09	1.00	5.00
S14FRUSTRAT	3299	2.29	1.07	1.00	5.00
S15FRUSTRAT	2619	2.32	1.05	1.00	5.00
R9BORED	6912	1.95	1.03	1.00	5.00

R10BORED	8153	1.99	1.06	1.00	5.00
R11BORED	7198	1.99	1.05	1.00	5.00
R12BORED	7414	2.00	1.04	1.00	5.00
R13BORED	6230	2.00	1.04	1.00	5.00
R14BORED	5580	2.02	1.05	1.00	5.00
R15BORED	4576	2.18	1.11	1.00	5.00
S9BORED	4353	1.88	0.98	1.00	5.00
S10BORED	5241	1.92	1.01	1.00	5.00
S11BORED	4528	1.89	0.98	1.00	5.00
S12BORED	4573	1.93	1.00	1.00	5.00
S13BORED	3719	1.92	0.99	1.00	5.00
S14BORED	3312	1.94	1.00	1.00	5.00
S15BORED	2628	2.10	1.06	1.00	5.00
R9HOSTILE	6864	1.44	0.79	1.00	5.00
R10HOSTILE	8061	1.43	0.78	1.00	5.00
R11HOSTILE	7146	1.45	0.82	1.00	5.00
R12HOSTILE	7354	1.43	0.79	1.00	5.00
R13HOSTILE	6161	1.45	0.80	1.00	5.00
R14HOSTILE	5547	1.41	0.79	1.00	5.00
R15HOSTILE	4543	1.43	0.80	1.00	5.00
S9HOSTILE	4327	1.45	0.79	1.00	5.00
S10HOSTILE	5194	1.43	0.77	1.00	5.00
S11HOSTILE	4504	1.46	0.81	1.00	5.00
S12HOSTILE	4545	1.44	0.80	1.00	5.00
S13HOSTILE	3683	1.45	0.79	1.00	5.00
S14HOSTILE	3294	1.40	0.78	1.00	5.00
S15HOSTILE	2608	1.45	0.80	1.00	5.00
R9JITTERY	6870	1.63	0.92	1.00	5.00
R10JITTERY	8094	1.61	0.90	1.00	5.00
R11JITTERY	7169	1.62	0.93	1.00	5.00
R12JITTERY	7372	1.59	0.89	1.00	5.00
R13JITTERY	6177	1.57	0.91	1.00	5.00
R14JITTERY	5537	1.54	0.89	1.00	5.00
R15JITTERY	4560	1.56	0.89	1.00	5.00
S9JITTERY	4327	1.60	0.90	1.00	5.00
S10JITTERY	5210	1.57	0.87	1.00	5.00
S11JITTERY	4527	1.58	0.89	1.00	5.00
S12JITTERY	4547	1.57	0.88	1.00	5.00
S13JITTERY	3700	1.54	0.87	1.00	5.00
S14JITTERY	3289	1.53	0.88	1.00	5.00
S15JITTERY	2625	1.53	0.84	1.00	5.00
R9ASHAMD	6877	1.29	0.68	1.00	5.00
R10ASHAMD	8101	1.30	0.69	1.00	5.00
R11ASHAMD	7167	1.33	0.74	1.00	5.00
R12ASHAMD	7374	1.31	0.71	1.00	5.00
R13ASHAMD	6195	1.32	0.73	1.00	5.00
R14ASHAMD	5549	1.32	0.72	1.00	5.00
R15ASHAMD	4553	1.29	0.69	1.00	5.00
S9ASHAMD	4337	1.28	0.64	1.00	5.00
S10ASHAMD	5224	1.29	0.67	1.00	5.00
S11ASHAMD	4508	1.31	0.70	1.00	5.00
S12ASHAMD	4550	1.31	0.70	1.00	5.00
S13ASHAMD	3703	1.29	0.69	1.00	5.00
S14ASHAMD	3302	1.31	0.70	1.00	5.00
S15ASHAMD	2613	1.27	0.66	1.00	5.00

R9NRVOUS	6924	1.94	1.03	1.00	5.00
R10NRVOUS	8163	1.92	1.02	1.00	5.00
R11NRVOUS	7233	1.93	1.04	1.00	5.00
R12NRVOUS	7432	1.90	1.00	1.00	5.00
R13NRVOUS	6232	1.91	1.03	1.00	5.00
R14NRVOUS	5593	1.88	0.99	1.00	5.00
R15NRVOUS	4583	1.92	1.01	1.00	5.00
S9NRVOUS	4359	1.90	1.00	1.00	5.00
S10NRVOUS	5249	1.89	0.99	1.00	5.00
S11NRVOUS	4551	1.89	1.01	1.00	5.00
S12NRVOUS	4582	1.88	0.99	1.00	5.00
S13NRVOUS	3720	1.85	0.97	1.00	5.00
S14NRVOUS	3319	1.85	0.98	1.00	5.00
S15NRVOUS	2630	1.90	0.99	1.00	5.00
R9PFSAD	6947	1.99	1.02	1.00	5.00
R10PFSAD	8182	1.99	1.02	1.00	5.00
R11PFSAD	7245	2.00	1.03	1.00	5.00
R12PFSAD	7423	2.00	1.02	1.00	5.00
R13PFSAD	6251	2.01	1.03	1.00	5.00
R14PFSAD	5617	1.97	1.02	1.00	5.00
R15PFSAD	4595	2.05	1.02	1.00	5.00
S9PFSAD	4363	1.90	0.96	1.00	5.00
S10PFSAD	5259	1.91	0.96	1.00	5.00
S11PFSAD	4557	1.93	0.98	1.00	5.00
S12PFSAD	4585	1.93	0.97	1.00	5.00
S13PFSAD	3732	1.92	0.97	1.00	5.00
S14PFSAD	3332	1.89	0.97	1.00	5.00
S15PFSAD	2631	1.97	0.98	1.00	5.00
R9DSTRES	6874	1.85	1.02	1.00	5.00
R10DSTRES	8087	1.87	1.01	1.00	5.00
R11DSTRES	7174	1.88	1.03	1.00	5.00
R12DSTRES	7379	1.84	1.00	1.00	5.00
R13DSTRES	6216	1.85	1.00	1.00	5.00
R14DSTRES	5568	1.83	1.01	1.00	5.00
R15DSTRES	4567	1.90	1.01	1.00	5.00
S9DSTRES	4331	1.81	0.98	1.00	5.00
S10DSTRES	5210	1.82	0.97	1.00	5.00
S11DSTRES	4522	1.84	1.01	1.00	5.00
S12DSTRES	4557	1.81	0.96	1.00	5.00
S13DSTRES	3713	1.80	0.95	1.00	5.00
S14DSTRES	3312	1.78	0.96	1.00	5.00
S15DSTRES	2621	1.87	0.98	1.00	5.00
R9PANASN12	6938	1.75	0.63	1.00	5.00
R10PANASN12	8181	1.77	0.64	1.00	5.00
R11PANASN12	7244	1.78	0.66	1.00	5.00
R12PANASN12	7448	1.76	0.65	1.00	5.00
R13PANASN12	6251	1.77	0.65	1.00	5.00
R14PANASN12	5609	1.75	0.64	1.00	5.00
R15PANASN12	4599	1.80	0.64	1.00	5.00
S9PANASN12	4363	1.72	0.61	1.00	4.75
S10PANASN12	5261	1.74	0.62	1.00	5.00
S11PANASN12	4555	1.74	0.63	1.00	5.00
S12PANASN12	4589	1.74	0.63	1.00	5.00
S13PANASN12	3727	1.73	0.62	1.00	5.00
S14PANASN12	3325	1.71	0.62	1.00	4.83
S15PANASN12	2639	1.77	0.62	1.00	4.91

R9PANASN12M	7073	0.29	1.57	0.00	12.00
R10PANASN12M	8332	0.29	1.54	0.00	12.00
R11PANASN12M	7412	0.36	1.71	0.00	12.00
R12PANASN12M	7541	0.24	1.29	0.00	12.00
R13PANASN12M	6370	0.30	1.46	0.00	12.00
R14PANASN12M	5738	0.35	1.71	0.00	12.00
R15PANASN12M	4670	0.26	1.40	0.00	12.00
S9PANASN12M	4429	0.23	1.39	0.00	12.00
S10PANASN12M	5335	0.23	1.37	0.00	12.00
S11PANASN12M	4636	0.28	1.52	0.00	12.00
S12PANASN12M	4635	0.19	1.14	0.00	12.00
S13PANASN12M	3780	0.22	1.25	0.00	12.00
S14PANASN12M	3397	0.31	1.64	0.00	12.00
S15PANASN12M	2668	0.20	1.20	0.00	12.00

### Categorical Variable Codes

Value-----					R9AFRAID	R10AFRAID
.c:no self-completion quest					10144	13702
.m:Missing					135	144
1.not at all					4417	4901
2.a little					1860	2371
3.moderately					413	568
4.quite a bit					162	249
5.very much					86	99

Value-----	R11AFRAID	R12AFRAID	R13AFRAID	R14AFRAID	R15AFRAID
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	170	103	126	129	74
1.not at all	4464	4549	3789	3590	2615
2.a little	1946	2073	1776	1451	1341
3.moderately	515	540	419	367	417
4.quite a bit	198	181	157	139	145
5.very much	119	95	103	63	78

Value-----					S9AFRAID	S10AFRAID
.c:no self-completion quest					6211	8173
.m:Missing					68	73
.u:not coupled					6212	7804
.v:SP NR					365	722
1.not at all					2865	3277
2.a little					1141	1449
3.moderately					232	343
4.quite a bit					87	140
5.very much					36	53

Value-----	S11AFRAID	S12AFRAID	S13AFRAID	S14AFRAID	S15AFRAID
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	87	53	56	68	30
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2889	2875	2356	2202	1499
2.a little	1219	1252	1031	831	782
3.moderately	293	306	210	197	239
4.quite a bit	88	100	76	69	76
5.very much	60	49	51	31	42

Value-----					R9FUPSET	R10FUPSET
.c:no self-completion quest					10144	13702
.m:Missing					136	169
1.not at all					1690	1902
2.a little					3319	3939
3.moderately					1245	1439
4.quite a bit					463	627
5.very much					220	256

Value-----	R11FUPSET	R12FUPSET	R13FUPSET	R14FUPSET	R15FUPSET
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	208	127	152	145	101

1.not at all	1781	1807	1561	1446	1207
2.a little	3326	3578	2916	2653	2069
3.moderately	1293	1297	1115	970	835
4.quite a bit	556	508	434	372	342
5.very much	248	224	192	153	116

Value-----				S9FUPSET	S10FUPSET
.c:no self-completion quest				6211	8173
.m:Missing				67	92
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				1032	1199
2.a little				2146	2617
3.moderately				781	902
4.quite a bit				285	385
5.very much				118	140

Value-----	S11FUPSET	S12FUPSET	S13FUPSET	S14FUPSET	S15FUPSET
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	113	68	68	79	43
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	1102	1076	924	846	687
2.a little	2169	2288	1786	1602	1182
3.moderately	799	783	658	584	501
4.quite a bit	324	306	245	218	192
5.very much	129	114	99	69	63

Value-----				R9GUILTY	R10GUILTY
.c:no self-completion quest				10144	13702
.m:Missing				168	212
1.not at all				4742	5393
2.a little				1605	2023
3.moderately				335	426
4.quite a bit				152	189
5.very much				71	89

Value-----	R11GUILTY	R12GUILTY	R13GUILTY	R14GUILTY	R15GUILTY
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	226	160	173	176	109
1.not at all	4807	4834	4058	3725	3149
2.a little	1725	1848	1540	1313	1043
3.moderately	403	428	377	331	225
4.quite a bit	167	186	146	137	89
5.very much	84	85	76	57	55

Value-----				S9GUILTY	S10GUILTY
.c:no self-completion quest				6211	8173
.m:Missing				81	108
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				2932	3435
2.a little				1057	1355
3.moderately				228	286
4.quite a bit				96	101
5.very much				35	50

Value-----	S11GUILTY	S12GUILTY	S13GUILTY	S14GUILTY	S15GUILTY
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	118	80	77	84	49
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	3019	2945	2399	2201	1794
2.a little	1100	1176	965	806	625
3.moderately	249	277	217	193	126
4.quite a bit	102	110	78	84	47
5.very much	48	47	44	30	27

Value-----				R9SCARED	R10SCARED
.c:no self-completion quest				10144	13702
.m:Missing				177	203
1.not at all				4247	4726
2.a little				1910	2446
3.moderately				430	549
4.quite a bit				204	271
5.very much				105	137



Value-----	R11SCARED	R12SCARED	R13SCARED	R14SCARED	R15SCARED
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	215	157	163	165	107
1.not at all	4276	4364	3623	3305	2453
2.a little	2081	2189	1868	1660	1464
3.moderately	467	490	414	332	366
4.quite a bit	249	219	175	177	183
5.very much	124	122	127	100	97
Value-----				S9SCARED	S10SCARED
.c:no self-completion quest				6211	8173
.m:Missing				92	101
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				2746	3151
2.a little				1180	1530
3.moderately				244	326
4.quite a bit				113	155
5.very much				54	72
Value-----	S11SCARED	S12SCARED	S13SCARED	S14SCARED	S15SCARED
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	108	76	71	90	50
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2754	2735	2256	2016	1423
2.a little	1300	1351	1082	971	850
3.moderately	285	278	224	181	203
4.quite a bit	131	126	87	93	94
5.very much	58	69	60	47	48
Value-----				R9FRUSTRAT	R10FRUSTRAT
.c:no self-completion quest				10144	13702
.m:Missing				203	236
1.not at all				1647	1811
2.a little				2902	3502
3.moderately				1333	1490
4.quite a bit				648	844
5.very much				340	449
Value-----	R11FRUSTRAT	R12FRUSTRAT	R13FRUSTRAT	R14FRUSTRAT	R15FRUSTRAT
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	264	199	168	192	116
1.not at all	1659	1765	1458	1308	1020
2.a little	2954	3178	2546	2342	1894
3.moderately	1411	1318	1208	1050	949
4.quite a bit	739	722	641	586	477
5.very much	385	359	349	261	214
Value-----				S9FRUSTRAT	S10FRUSTRAT
.c:no self-completion quest				6211	8173
.m:Missing				91	113
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				1009	1152
2.a little				1867	2296
3.moderately				872	963
4.quite a bit				385	548
5.very much				205	263
Value-----	S11FRUSTRAT	S12FRUSTRAT	S13FRUSTRAT	S14FRUSTRAT	S15FRUSTRAT
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	124	93	73	99	49
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	1047	1089	866	783	565
2.a little	1905	2008	1566	1411	1143
3.moderately	904	799	708	628	534
4.quite a bit	442	439	378	335	265
5.very much	214	207	189	142	112
Value-----				R9BORED	R10BORED
.c:no self-completion quest				10144	13702
.m:Missing				161	179
1.not at all				2786	3209

2.a little				2521	2926
3.moderately				958	1178
4.quite a bit				431	552
5.very much				216	288

Value-----	R11BORED	R12BORED	R13BORED	R14BORED	R15BORED
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	214	127	140	159	94
1.not at all	2805	2815	2389	2082	1455
2.a little	2634	2759	2260	2061	1668
3.moderately	1034	1105	973	880	829
4.quite a bit	484	488	408	371	433
5.very much	241	247	200	186	191

Value-----		S9BORED	S10BORED		
.c:no self-completion quest		6211	8173		
.m:Missing		76	94		
.u:not coupled		6212	7804		
.v:SP NR		365	722		
1.not at all		1839	2188		
2.a little		1612	1895		
3.moderately		565	699		
4.quite a bit		242	317		
5.very much		95	142		

Value-----	S11BORED	S12BORED	S13BORED	S14BORED	S15BORED
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	108	62	61	86	40
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	1899	1853	1532	1314	876
2.a little	1682	1701	1335	1244	993
3.moderately	603	629	568	490	458
4.quite a bit	236	271	195	170	218
5.very much	108	119	89	94	83

Value-----		R9HOSTILE	R10HOSTILE		
.c:no self-completion quest		10144	13702		
.m:Missing		209	271		
1.not at all		4806	5675		
2.a little		1408	1656		
3.moderately		427	473		
4.quite a bit		159	180		
5.very much		64	77		

Value-----	R11HOSTILE	R12HOSTILE	R13HOSTILE	R14HOSTILE	R15HOSTILE
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	266	187	209	192	127
1.not at all	4995	5222	4298	4045	3232
2.a little	1397	1439	1246	988	848
3.moderately	501	452	405	326	310
4.quite a bit	166	168	148	133	113
5.very much	87	73	64	55	40

Value-----		S9HOSTILE	S10HOSTILE		
.c:no self-completion quest		6211	8173		
.m:Missing		102	141		
.u:not coupled		6212	7804		
.v:SP NR		365	722		
1.not at all		2964	3632		
2.a little		952	1114		
3.moderately		267	290		
4.quite a bit		108	115		
5.very much		36	43		

Value-----	S11HOSTILE	S12HOSTILE	S13HOSTILE	S14HOSTILE	S15HOSTILE
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	132	90	97	104	60
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	3108	3184	2531	2396	1808
2.a little	923	922	784	597	531
3.moderately	324	287	254	196	179
4.quite a bit	101	105	84	77	69
5.very much	48	47	30	28	21

Value-----					R9JITTERY	R10JITTERY
.c:no self-completion quest					10144	13702
.m:Missing					203	238
1.not at all					4015	4776
2.a little					1911	2263
3.moderately					564	629
4.quite a bit					237	280
5.very much					143	146
Value-----	R11JITTERY	R12JITTERY	R13JITTERY	R14JITTERY	R15JITTERY	
.c:no self-completion quest	13142	11206	14542	11407	11053	
.m:Missing	243	169	193	202	110	
1.not at all	4295	4500	3870	3559	2867	
2.a little	1873	1884	1518	1303	1104	
3.moderately	597	620	449	407	370	
4.quite a bit	265	260	236	177	152	
5.very much	139	108	104	91	67	
Value-----				S9JITTERY	S10JITTERY	
.c:no self-completion quest				6211	8173	
.m:Missing				102	125	
.u:not coupled				6212	7804	
.v:SP NR				365	722	
1.not at all				2566	3140	
2.a little				1215	1460	
3.moderately				326	374	
4.quite a bit				139	159	
5.very much				81	77	
Value-----	S11JITTERY	S12JITTERY	S13JITTERY	S14JITTERY	S15JITTERY	
.c:no self-completion quest	7840	6377	7998	5960	5798	
.m:Missing	109	88	80	109	43	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
1.not at all	2776	2803	2363	2157	1673	
2.a little	1176	1151	901	740	648	
3.moderately	360	380	261	240	196	
4.quite a bit	143	154	123	101	79	
5.very much	72	59	52	51	29	
Value-----				R9ASHAMD	R10ASHAMD	
.c:no self-completion quest				10144	13702	
.m:Missing				196	231	
1.not at all				5491	6386	
2.a little				997	1250	
3.moderately				240	266	
4.quite a bit				90	125	
5.very much				59	74	
Value-----	R11ASHAMD	R12ASHAMD	R13ASHAMD	R14ASHAMD	R15ASHAMD	
.c:no self-completion quest	13142	11206	14542	11407	11053	
.m:Missing	245	167	175	190	117	
1.not at all	5620	5784	4858	4364	3637	
2.a little	1056	1112	929	823	650	
3.moderately	282	294	240	216	151	
4.quite a bit	125	119	86	90	77	
5.very much	84	65	82	56	38	
Value-----				S9ASHAMD	S10ASHAMD	
.c:no self-completion quest				6211	8173	
.m:Missing				92	111	
.u:not coupled				6212	7804	
.v:SP NR				365	722	
1.not at all				3461	4138	
2.a little				657	818	
3.moderately				142	154	
4.quite a bit				49	72	
5.very much				28	42	
Value-----	S11ASHAMD	S12ASHAMD	S13ASHAMD	S14ASHAMD	S15ASHAMD	
.c:no self-completion quest	7840	6377	7998	5960	5798	
.m:Missing	128	85	77	96	55	
.u:not coupled	7483	7125	8025	6684	6202	
.v:SP NR	595	610	1109	1104	1055	
1.not at all	3532	3578	2947	2596	2112	
2.a little	692	683	541	496	366	

3.moderately	177	180	139	128	79
4.quite a bit	70	72	35	54	36
5.very much	37	37	41	28	20

Value-----				R9NRVOUS	R10NRVOUS
.c:no self-completion quest				10144	13702
.m:Missing				149	169
1.not at all				2814	3335
2.a little				2621	3127
3.moderately				859	955
4.quite a bit				381	484
5.very much				249	262

Value-----	R11NRVOUS	R12NRVOUS	R13NRVOUS	R14NRVOUS	R15NRVOUS
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	179	109	138	146	87
1.not at all	2986	3109	2615	2379	1871
2.a little	2704	2820	2349	2128	1763
3.moderately	851	873	717	638	538
4.quite a bit	448	416	337	296	276
5.very much	244	214	214	152	135

Value-----				S9NRVOUS	S10NRVOUS
.c:no self-completion quest				6211	8173
.m:Missing				70	86
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				1804	2195
2.a little				1676	2023
3.moderately				532	599
4.quite a bit				210	299
5.very much				137	133

Value-----	S11NRVOUS	S12NRVOUS	S13NRVOUS	S14NRVOUS	S15NRVOUS
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	85	53	60	79	38
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	1938	1929	1589	1455	1063
2.a little	1686	1764	1449	1248	1051
3.moderately	546	521	417	361	293
4.quite a bit	251	242	164	169	155
5.very much	130	126	101	86	68

Value-----				R9PFSAD	R10PFSAD
.c:no self-completion quest				10144	13702
.m:Missing				126	150
1.not at all				2476	2905
2.a little				2954	3535
3.moderately				857	937
4.quite a bit				414	529
5.very much				246	276

Value-----	R11PFSAD	R12PFSAD	R13PFSAD	R14PFSAD	R15PFSAD
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	167	118	119	122	75
1.not at all	2569	2580	2182	2081	1499
2.a little	3087	3266	2710	2384	2023
3.moderately	859	837	732	626	600
4.quite a bit	451	465	386	317	313
5.very much	279	275	241	209	160

Value-----				S9PFSAD	S10PFSAD
.c:no self-completion quest				6211	8173
.m:Missing				66	76
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				1692	2006
2.a little				1859	2279
3.moderately				477	568
4.quite a bit				224	274
5.very much				111	132

Value-----	S11PFSAD	S12PFSAD	S13PFSAD	S14PFSAD	S15PFSAD
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	79	50	48	66	37

.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	1729	1685	1402	1328	921
2.a little	1940	2051	1646	1413	1165
3.moderately	503	479	388	335	319
4.quite a bit	252	239	189	158	151
5.very much	133	131	107	98	75
Value-----				R9DSTRES	R10DSTRES
.c:no self-completion quest				10144	13702
.m:Missing				199	245
1.not at all				3149	3583
2.a little				2401	2902
3.moderately				759	922
4.quite a bit				349	441
5.very much				216	239
Value-----	R11DSTRES	R12DSTRES	R13DSTRES	R14DSTRES	R15DSTRES
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	238	162	154	171	103
1.not at all	3226	3369	2791	2617	1936
2.a little	2461	2569	2204	1892	1672
3.moderately	864	858	733	601	551
4.quite a bit	396	391	323	305	289
5.very much	227	192	165	153	119
Value-----				S9DSTRES	S10DSTRES
.c:no self-completion quest				6211	8173
.m:Missing				98	125
.u:not coupled				6212	7804
.v:SP NR				365	722
1.not at all				2022	2375
2.a little				1531	1884
3.moderately				459	567
4.quite a bit				207	260
5.very much				112	124
Value-----	S11DSTRES	S12DSTRES	S13DSTRES	S14DSTRES	S15DSTRES
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	114	78	67	86	47
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.not at all	2103	2099	1695	1611	1132
2.a little	1530	1636	1373	1136	967
3.moderately	522	500	402	333	310
4.quite a bit	246	220	161	160	154
5.very much	121	102	82	72	58

## How Constructed:

The following variables indicate to what degree the respondent felt a particular feeling in the past 30 days. Each of these variables are assigned the following 5-point values: 1.Not at all, 2.A little, 3.Moderately, 4.Quite a bit, 5.Very much. Note that this scale is reversed from the how the scale was asked in the HRS to ensure that higher values represent more negative feelings. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwAFRAID indicates to what degree the respondent felt afraid in the past 30 days.

RwFUPSET indicates to what degree the respondent felt upset in the past 30 days.

RwGUILTY indicates to what degree the respondent felt guilty in the past 30 days.

RwSCARED indicates to what degree the respondent felt scared in the past 30 days.

RwFRUSTRAT indicates to what degree the respondent felt frustrated in the past 30 days.

RwBORED indicates to what degree the respondent felt bored in the past 30 days.

RwHOSTILE indicates to what degree the respondent felt hostile in the past 30 days.

RwJITTERY indicates to what degree the respondent felt jittery in the past 30 days.

RwASHAMD indicates to what degree the respondent felt ashamed in the past 30 days.

RwNRVOUS indicates to what degree the respondent felt nervous in the past 30 days.

RwPFSAD indicates to what degree the respondent felt sad in the past 30 days.

RwDSTRES indicates to what degree the respondent felt distressed in the past 30 days.

SwAFRAID, SwFUPSET, SwGUILTY, SwSCARED, SwFRUSTRAT, SwBORED, SwHOSTILE, SwJITTERY, SwASHAMD, SwNRVOUS, SwPFSAD, and SwDSTRES indicate to what degree the respondent's current wave's spouse felt the particular feeling in the past 30 days, and their values are taken from the corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwPANASN12 is a 12-item index of negative affect and is the mean of RwAFRAID, RwfUPSET, RwgUILTY, RwsCARED, RwfRUSTRAT, RwbORED, RwhOSTILE, RwjITTERY, RwashAMD, RwnRVOUS, RwpFSAD, and RwdSTRES. RwPANASN12M is the count of the number of missing components for this summary. RwPANASN12 is set to .m missing if 7 or more items have missing values, that is RwPANASN12M ranges from 7 to 12. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwPANASN12 is a 12-item index of negative affect for the respondent's current wave's spouse and its value is taken from the corresponding respondent variable. SwPANASN12M is the count of the number of missing components for this summary and its value is taken from the corresponding respondent variable. In addition to the special missing codes employed by the respondent variables, SwPANASN12 and SwPANASN12M employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to negative affect items were added to HRS leave-behind survey starting in Wave 9.

### HRS Variables Used:

Wave 9:

LLB027A	q27a. afraid
LLB027B	q27b. upset
LLB027E	q27e. guilty
LLB027I	q27i. scared
LLB027J	q27j. frustrated
LLB027L	q27l. bored
LLB027M	q27m. hostile
LLB027N	q27n. jittery
LLB027O	q27o. ashamed
LLB027R	q27r. nervous
LLB027S	q27s. sad
LLB027W	q27w. distressed

Wave 10:

MLB027A	q27a. afraid
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MLB027B q27b. upset  
MLB027E q27e. guilty  
MLB027I q27i. scared  
MLB027J q27j. frustrated  
MLB027L q27l. bored  
MLB027M q27m. hostile  
MLB027N q27n. jittery  
MLB027O q27o. ashamed  
MLB027R q27r. nervous  
MLB027S q27s. sad  
MLB027W q27w. distressed

## Wave 11:

NLB027A q27a. afraid  
NLB027B q27b. upset  
NLB027E q27e. guilty  
NLB027I q27i. scared  
NLB027J q27j. frustrated  
NLB027L q27l. bored  
NLB027M q27m. hostile  
NLB027N q27n. jittery  
NLB027O q27o. ashamed  
NLB027R q27r. nervous  
NLB027S q27s. sad  
NLB027W q27w. distressed

## Wave 12:

OLB026A q26a. afraid  
OLB026B q26b. upset  
OLB026E q26e. guilty  
OLB026I q26i. scared  
OLB026J q26j. frustrated  
OLB026L q26l. bored  
OLB026M q26m. hostile  
OLB026N q26n. jittery  
OLB026O q26o. ashamed  
OLB026R q26r. nervous  
OLB026S q26s. sad  
OLB026W q26w. distressed

## Wave 13:

PLB026A q26a. afraid  
PLB026B q26b. upset  
PLB026E q26e. guilty  
PLB026I q26i. scared  
PLB026J q26j. frustrated  
PLB026L q26l. bored  
PLB026M q26m. hostile  
PLB026N q26n. jittery  
PLB026O q26o. ashamed  
PLB026R q26r. nervous  
PLB026S q26s. sad  
PLB026W q26w. distressed

## Wave 14:

QLB026A q26a. afraid  
QLB026B q26b. upset  
QLB026E q26e. guilty  
QLB026I q26i. scared  
QLB026J q26j. frustrated  
QLB026L q26l. bored  
QLB026M q26m. hostile  
QLB026N q26n. jittery  
QLB026O q26o. ashamed  
QLB026R q26r. nervous  
QLB026S q26s. sad  
QLB026W q26w. distressed

## Wave 15:

RLB026A	q26a. afraid
RLB026B	q26b. upset
RLB026E	q26e. guilty
RLB026I	q26i. scared
RLB026J	q26j. frustrated
RLB026L	q26l. bored
RLB026M	q26m. hostile
RLB026N	q26n. jittery
RLB026O	q26o. ashamed
RLB026R	q26r. nervous
RLB026S	q26s. sad
RLB026W	q26w. distressed



**MIDUS: Positive Affect Scale**

Wave	Variable	Label	Type
08	R8MDCHR	r8mdchr:w8 MIDUS: how much time did r feel cheerful	Categ
08	S8MDCHR	s8mdchr:w8 MIDUS: how much time did s feel cheerful	Categ
08	R8MDGDS	r8mdgds:w8 MIDUS: how much time did r feel in good spirits	Categ
08	S8MDGDS	s8mdgds:w8 MIDUS: how much time did s feel in good spirits	Categ
08	R8MDXHP	r8mdxhp:w8 MIDUS: how much time did r feel extremely happy	Categ
08	S8MDXHP	s8mdxhp:w8 MIDUS: how much time did s feel extremely happy	Categ
08	R8MDCLM	r8mdclm:w8 MIDUS: how much time did r feel calm and peaceful	Categ
08	S8MDCLM	s8mdclm:w8 MIDUS: how much time did s feel calm and peaceful	Categ
08	R8MDSAT	r8mdsat:w8 MIDUS: how much time did r feel satisfied	Categ
08	S8MDSAT	s8mdsat:w8 MIDUS: how much time did s feel satisfied	Categ
08	R8MDFLF	r8mdflf:w8 MIDUS: how much time did r feel full of life	Categ
08	S8MDFLF	s8mdflf:w8 MIDUS: how much time did s feel full of life	Categ
08	R8MDHAP	r8mdhap:w8 MIDUS: how much time did r feel they were happy	Categ
08	S8MDHAP	s8mdhap:w8 MIDUS: how much time did s feel they were happy	Categ
08	R8MDENL	r8mdenl:w8 MIDUS: how much time did r feel they enjoyed life	Categ
08	S8MDENL	s8mdenl:w8 MIDUS: how much time did s feel they enjoyed life	Categ
08	R8MDP8	r8mdp8:w8 r MIDUS Index of Positive Affect	Cont
08	S8MDP8	s8mdp8:w8 s MIDUS Index of Positive Affect	Cont
08	R8MDP8M	r8mdp8m:w8 r MIDUS Index of Positive Affect missings	Cont
08	S8MDP8M	s8mdp8m:w8 s MIDUS Index of Positive Affect missings	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R8MDCHR	7612	3.71	0.71	1.00	5.00
S8MDCHR	5128	3.74	0.68	1.00	5.00
R8MDGDS	7598	3.78	0.70	1.00	5.00
S8MDGDS	5121	3.81	0.67	1.00	5.00
R8MDXHP	7563	3.23	0.95	1.00	5.00
S8MDXHP	5106	3.29	0.92	1.00	5.00
R8MDCLM	7583	3.63	0.82	1.00	5.00

S8MDCLM	5113	3.64	0.80	1.00	5.00
R8MDSAT	7612	3.65	0.85	1.00	5.00
S8MDSAT	5126	3.69	0.82	1.00	5.00
R8MDFLF	7582	3.43	0.99	1.00	5.00
S8MDFLF	5111	3.49	0.95	1.00	5.00
R8MDHAP	7597	3.71	0.81	1.00	5.00
S8MDHAP	5120	3.76	0.77	1.00	5.00
R8MDENL	7601	3.85	0.86	1.00	5.00
S8MDENL	5120	3.90	0.82	1.00	5.00
R8MDP8	7630	3.62	0.70	1.00	5.00
S8MDP8	5140	3.66	0.67	1.00	5.00
R8MDP8M	7730	0.14	0.91	0.00	8.00
S8MDP8M	5190	0.11	0.80	0.00	8.00

### Categorical Variable Codes

Value-----	R8MDCHR
.c:no self-completion quest	10739
.m:Missing	118
1.none of the time	60
2.a little of the time	400
3.some of the time	1781
4.most of the time	4794
5.all of the time	577

Value-----	S8MDCHR
.c:no self-completion quest	6538
.m:Missing	62
.u:not coupled	6424
.v:SP NR	317
1.none of the time	25
2.a little of the time	241
3.some of the time	1131
4.most of the time	3352
5.all of the time	379

Value-----	R8MDGDS
.c:no self-completion quest	10739
.m:Missing	132
1.none of the time	46
2.a little of the time	344
3.some of the time	1540
4.most of the time	4953
5.all of the time	715

Value-----	S8MDGDS
.c:no self-completion quest	6538
.m:Missing	69
.u:not coupled	6424
.v:SP NR	317
1.none of the time	23
2.a little of the time	207
3.some of the time	965
4.most of the time	3454
5.all of the time	472

Value-----	R8MDXHP
.c:no self-completion quest	10739
.m:Missing	167
1.none of the time	335
2.a little of the time	1251
3.some of the time	2822
4.most of the time	2678
5.all of the time	477
Value-----	S8MDXHP
.c:no self-completion quest	6538
.m:Missing	84
.u:not coupled	6424
.v:SP NR	317
1.none of the time	174
2.a little of the time	777
3.some of the time	1885
4.most of the time	1951
5.all of the time	319
Value-----	R8MDCLM
.c:no self-completion quest	10739
.m:Missing	147
1.none of the time	99
2.a little of the time	626
3.some of the time	1984
4.most of the time	4126
5.all of the time	748
Value-----	S8MDCLM
.c:no self-completion quest	6538
.m:Missing	77
.u:not coupled	6424
.v:SP NR	317
1.none of the time	54
2.a little of the time	416
3.some of the time	1316
4.most of the time	2846
5.all of the time	481
Value-----	R8MDSAT
.c:no self-completion quest	10739
.m:Missing	118
1.none of the time	149
2.a little of the time	602
3.some of the time	1834
4.most of the time	4205
5.all of the time	822
Value-----	S8MDSAT
.c:no self-completion quest	6538
.m:Missing	64
.u:not coupled	6424
.v:SP NR	317
1.none of the time	82
2.a little of the time	355
3.some of the time	1201
4.most of the time	2933
5.all of the time	555
Value-----	R8MDFLF
.c:no self-completion quest	10739
.m:Missing	148
1.none of the time	303
2.a little of the time	1009
3.some of the time	2205
4.most of the time	3230
5.all of the time	835
Value-----	S8MDFLF
.c:no self-completion quest	6538
.m:Missing	79
.u:not coupled	6424
.v:SP NR	317
1.none of the time	169
2.a little of the time	597

3.some of the time		1474
4.most of the time		2304
5.all of the time		567
Value-----		R8MDHAP
.c:no self-completion quest		10739
.m:Missing		133
1.none of the time		116
2.a little of the time		520
3.some of the time		1679
4.most of the time		4412
5.all of the time		870
Value-----		S8MDHAP
.c:no self-completion quest		6538
.m:Missing		70
.u:not coupled		6424
.v:SP NR		317
1.none of the time		57
2.a little of the time		289
3.some of the time		1065
4.most of the time		3108
5.all of the time		601
Value-----		R8MDENL
.c:no self-completion quest		10739
.m:Missing		129
1.none of the time		107
2.a little of the time		487
3.some of the time		1355
4.most of the time		4140
5.all of the time		1512
Value-----		S8MDENL
.c:no self-completion quest		6538
.m:Missing		70
.u:not coupled		6424
.v:SP NR		317
1.none of the time		52
2.a little of the time		292
3.some of the time		833
4.most of the time		2907
5.all of the time		1036

### How Constructed:

The following variables indicate how much of the time the respondent experienced a particular feeling during the past 30 days. Each of these variables are assigned the following 5-point values: 1.None of the time, 2.A little of the time, 3.Some of the time, 4.Most of the time, 5.All of the time. Note that this scale is reversed from the how the scale was asked in the HRS to ensure that higher values represent more positive feelings. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwMDCHR indicates how much of the time the respondent felt cheerful during the past 30 days.

RwMDGDS indicates how much of the time the respondent felt in good spirits during the past 30 days.

RwMDXHP indicates how much of the time the respondent felt extremely happy during the past 30 days.

RwMDCLM indicates how much of the time the respondent felt calm during the past 30 days.

RwMDSAT indicates how much of the time the respondent felt satisfied during the past 30 days.

RwMDFLF indicates how much of the time the respondent felt full of life during the past 30 days.

RwMDHAP indicates how much of the time the respondent felt happy during the past 30 days.

RwMDENL indicates how much of the time the respondent felt they enjoyed life during the past 30 days.

SwMDCHR, SwMDGDS, SwMDXHP, SwMDCLM, SwMDSAT, SwMDFLF, SwMDHAP, and SwMDENL indicate how much of the time the respondent's current wave's spouse experienced a particular feeling during the past 30 days, and their values are taken from the corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwMDP8 is an 8-item index of positive affect. RwMDP8 is the mean of RwMDCHR, RwMDGDS, RwMDXHP, RwMDCLM, RwMDSAT, RwMDFLF, RwMDHAP, and RwMDENL. RwMDP8M is the count of the number of missing components for this summary. RwMDP8 is set to .m missing if 5 or more items have missing values, that is RwMDP8M ranges from 5 to 8. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwMDP8 and SwMDP8M are an index of positive affect and count of missing components for the respondent's current wave's spouse, and their values are taken from the corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, SwMDP8 and SwMDP8M employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to how much of the time a respondent felt a particular feeling during the past 30 days were only included as part of the Wave 8 HRS psychosocial leave-behind survey.

### HRS Variables Used:

Wave 8:

KLB027A	q27a. feel cheerful
KLB027B	q27b. in good spirits
KLB027C	q27c. extremely happy
KLB027D	q27d. calm and peaceful
KLB027E	q27e. satisfied
KLB027F	q27f. full of life
KLB027G	q27g. you were happy
KLB027H	q27h. you enjoyed life

**MIDUS: Negative Affect Scale**

Wave	Variable	Label	Type
08	R8MDDEP	r8mddep:w8 MIDUS: how much time did r feel so depressed that	Categ
08	S8MDDEP	s8mddep:w8 MIDUS: how much time did s feel so depressed that	Categ
08	R8MDHPL	r8mdhpl:w8 MIDUS: how much time did r feel hopeless	Categ
08	S8MDHPL	s8mdhpl:w8 MIDUS: how much time did s feel hopeless	Categ
08	R8MDRTL	r8mdrtl:w8 MIDUS: how much time did r feel restless or fidge	Categ
08	S8MDRTL	s8mdrtl:w8 MIDUS: how much time did s feel restless or fidge	Categ
08	R8MDEFT	r8mdeft:w8 MIDUS: how much time did r feel that everything w	Categ
08	S8MDEFT	s8mdeft:w8 MIDUS: how much time did s feel that everything w	Categ
08	R8MDWTL	r8mdwtl:w8 MIDUS: how much time did r feel worthless	Categ
08	S8MDWTL	s8mdwtl:w8 MIDUS: how much time did s feel worthless	Categ
08	R8MDNER	r8mdner:w8 MIDUS: how much time did r feel nervous	Categ
08	S8MDNER	s8mdner:w8 MIDUS: how much time did s feel nervous	Categ
08	R8MDNGO	r8mdngo:w8 MIDUS: how much time did r feel they could not ge	Categ
08	S8MDNGO	s8mdngo:w8 MIDUS: how much time did s feel they could not ge	Categ
08	R8MDSRT	r8mdsrt:w8 MIDUS: how much time did r feel their sleep was r	Categ
08	S8MDSRT	s8mdsrt:w8 MIDUS: how much time did s feel their sleep was r	Categ
08	R8MDLON	r8mdl lon:w8 MIDUS: how much time did r feel lonely	Categ
08	S8MDLON	s8mdl lon:w8 MIDUS: how much time did s feel lonely	Categ
08	R8MDSAD	r8mdsad:w8 MIDUS: how much time did r feel sad	Categ
08	S8MDSAD	s8mdsad:w8 MIDUS: how much time did s feel sad	Categ
08	R8MDN10	r8mdn10:w8 r MIDUS Index of Negative Affect	Cont
08	S8MDN10	s8mdn10:w8 s MIDUS Index of Negative Affect	Cont
08	R8MDN10M	r8mdn10m:w8 r MIDUS Index of Negative Affect missings	Cont
08	S8MDN10M	s8mdn10m:w8 s MIDUS Index of Negative Affect missings	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R8MDDEP	7587	1.46	0.79	1.00	5.00
S8MDDEP	5117	1.41	0.74	1.00	5.00
R8MDHPL	7580	1.40	0.79	1.00	5.00

S8MDHPL	5112	1.35	0.73	1.00	5.00
R8MDRTL	7548	1.87	0.89	1.00	5.00
S8MDRTL	5102	1.84	0.87	1.00	5.00
R8MDEFT	7540	1.97	1.00	1.00	5.00
S8MDEFT	5092	1.90	0.97	1.00	5.00
R8MDWTL	7566	1.36	0.78	1.00	5.00
S8MDWTL	5103	1.32	0.72	1.00	5.00
R8MDNER	7572	1.81	0.91	1.00	5.00
S8MDNER	5106	1.78	0.89	1.00	5.00
R8MDNGO	7555	1.97	0.94	1.00	5.00
S8MDNGO	5099	1.91	0.91	1.00	5.00
R8MDSRT	7576	2.24	1.05	1.00	5.00
S8MDSRT	5109	2.19	1.03	1.00	5.00
R8MDLON	7590	1.75	0.99	1.00	5.00
S8MDLON	5116	1.56	0.87	1.00	5.00
R8MDSAD	7592	1.77	0.91	1.00	5.00
S8MDSAD	5122	1.66	0.84	1.00	5.00
R8MDN10	7608	1.76	0.67	1.00	5.00
S8MDN10	5125	1.69	0.63	1.00	5.00
R8MDN10M	7730	0.21	1.24	0.00	10.00
S8MDN10M	5190	0.16	1.09	0.00	10.00

### Categorical Variable Codes

Value-----	R8MDDEP
.c:no self-completion quest	10739
.m:Missing	143
1.none of the time	5213
2.a little of the time	1548
3.some of the time	616
4.most of the time	153
5.all of the time	57

Value-----	S8MDDEP
.c:no self-completion quest	6538
.m:Missing	73
.u:not coupled	6424
.v:SP NR	317
1.none of the time	3630
2.a little of the time	1012
3.some of the time	365
4.most of the time	83
5.all of the time	27

Value-----	R8MDHPL
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.c:no self-completion quest	10739
.m:Missing	150
1.none of the time	5626
2.a little of the time	1127
3.some of the time	611
4.most of the time	150
5.all of the time	66
Value-----	S8MDHPL
.c:no self-completion quest	6538
.m:Missing	78
.u:not coupled	6424
.v:SP NR	317
1.none of the time	3944
2.a little of the time	700
3.some of the time	352
4.most of the time	83
5.all of the time	33
Value-----	R8MDRTL
.c:no self-completion quest	10739
.m:Missing	182
1.none of the time	3095
2.a little of the time	2740
3.some of the time	1399
4.most of the time	231
5.all of the time	83
Value-----	S8MDRTL
.c:no self-completion quest	6538
.m:Missing	88
.u:not coupled	6424
.v:SP NR	317
1.none of the time	2127
2.a little of the time	1870
3.some of the time	922
4.most of the time	136
5.all of the time	47
Value-----	R8MDEFT
.c:no self-completion quest	10739
.m:Missing	190
1.none of the time	3015
2.a little of the time	2492
3.some of the time	1424
4.most of the time	463
5.all of the time	146
Value-----	S8MDEFT
.c:no self-completion quest	6538
.m:Missing	98
.u:not coupled	6424
.v:SP NR	317
1.none of the time	2159
2.a little of the time	1692
3.some of the time	901
4.most of the time	260
5.all of the time	80
Value-----	R8MDWTL
.c:no self-completion quest	10739
.m:Missing	164
1.none of the time	5925
2.a little of the time	869
3.some of the time	557
4.most of the time	143
5.all of the time	72
Value-----	S8MDWTL
.c:no self-completion quest	6538
.m:Missing	87
.u:not coupled	6424
.v:SP NR	317
1.none of the time	4091
2.a little of the time	558
3.some of the time	340



4.most of the time	79
5.all of the time	35
Value-----	R8MDNER
.c:no self-completion quest	10739
.m:Missing	158
1.none of the time	3441
2.a little of the time	2546
3.some of the time	1237
4.most of the time	243
5.all of the time	105
Value-----	S8MDNER
.c:no self-completion quest	6538
.m:Missing	84
.u:not coupled	6424
.v:SP NR	317
1.none of the time	2395
2.a little of the time	1710
3.some of the time	805
4.most of the time	138
5.all of the time	58
Value-----	R8MDNGO
.c:no self-completion quest	10739
.m:Missing	175
1.none of the time	2801
2.a little of the time	2756
3.some of the time	1549
4.most of the time	350
5.all of the time	99
Value-----	S8MDNGO
.c:no self-completion quest	6538
.m:Missing	91
.u:not coupled	6424
.v:SP NR	317
1.none of the time	1997
2.a little of the time	1877
3.some of the time	971
4.most of the time	204
5.all of the time	50
Value-----	R8MDSRT
.c:no self-completion quest	10739
.m:Missing	154
1.none of the time	2112
2.a little of the time	2667
3.some of the time	1896
4.most of the time	654
5.all of the time	247
Value-----	S8MDSRT
.c:no self-completion quest	6538
.m:Missing	81
.u:not coupled	6424
.v:SP NR	317
1.none of the time	1488
2.a little of the time	1841
3.some of the time	1236
4.most of the time	396
5.all of the time	148
Value-----	R8MDLON
.c:no self-completion quest	10739
.m:Missing	140
1.none of the time	4168
2.a little of the time	1764
3.some of the time	1189
4.most of the time	320
5.all of the time	149
Value-----	S8MDLON
.c:no self-completion quest	6538
.m:Missing	74
.u:not coupled	6424

.v:SP NR		317
1.none of the time		3277
2.a little of the time		1065
3.some of the time		591
4.most of the time		126
5.all of the time		57
Value-----		R8MDSAD
.c:no self-completion quest		10739
.m:Missing		138
1.none of the time		3650
2.a little of the time		2465
3.some of the time		1136
4.most of the time		234
5.all of the time		107
Value-----		S8MDSAD
.c:no self-completion quest		6538
.m:Missing		68
.u:not coupled		6424
.v:SP NR		317
1.none of the time		2716
2.a little of the time		1617
3.some of the time		633
4.most of the time		113
5.all of the time		43

### How Constructed:

The following variables indicate how much of the time the respondent experienced a particular feeling during the past 30 days. Each of these variables are assigned the following 5-point values: 1.None of the time, 2.A little of the time, 3.Some of the time, 4.Most of the time, 5.All of the time. Note that this scale is reversed from the how the scale was asked in the HRS to ensure that higher values represent more negative feelings. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwMDDEP indicates how much of the time the respondent felt so depressed that nothing could cheer you up during the past 30 days.

RwMDHPL indicates how much of the time the respondent felt hopeless during the past 30 days.

RwMDRTL indicates how much of the time the respondent felt restless or fidgety during the past 30 days.

RwMDEFT indicates how much of the time the respondent felt everything was an effort during the past 30 days.

RwMDWTL indicates how much of the time the respondent felt worthless during the past 30 days.

RwMDNER indicates how much of the time the respondent felt nervous during the past 30 days.

RwMDNGO indicates how much of the time the respondent felt they could not get going during the past 30 days.

RwMDSRT indicates how much of the time the respondent felt their sleep was restless during the past 30 days.

RwMDLON indicates how much of the time the respondent felt lonely during the past 30 days.

RwMDSAD indicates how much of the time the respondent felt sad during the past 30 days.

SwMDDEP, SwMDHPL, SwMDRTL, SwMDEFT, SwMDWTL, SwMDNER, SwMDNGO, SwMDSRT, SwMDLON, and SwMDSAD indicate how much of the time the respondent's current wave's spouse experienced a particular feeling during the past 30 days, and their values are taken from the corresponding respondent variables. In addition to the

special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwMDN10 is a 10-item index of negative affect. RwMDN10 is the mean of RwMDDEP, RwMDHPL, RwMDRTL, RwMDEFT, RwMDWTL, RwMDNER, RwMDNGO, RwMDSRT, RwMDLON, and RwMDSAD. RwMDN10M is the count of the number of missing components for this summary. RwMDN10 is set to .m missing if 6 or more items have missing values, that is RwMDN10M ranges from 6 to 10. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwMDN10 is a 10-item index of negative affect for the respondent's current wave's spouse and its value is taken from the corresponding respondent variable. SwMDN10M is the count of missing components for this summary and its value is taken from the corresponding respondent variable. In addition to the special missing codes employed by the respondent variables, SwMDN10 and SwMDN10M employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to how much of the time a respondent felt a particular feeling during the past 30 days were only included as part of the Wave 8 HRS psychosocial leave-behind survey.

### HRS Variables Used:

Wave 8:

KLB027I	q27i. depressed nothing cheering
KLB027J	q27j. hopeless
KLB027K	q27k. restless or fidgety
KLB027L	q27l. everything was an effort
KLB027M	q27m. worthless
KLB027N	q27n. nervous
KLB027O	q27o. could not get going
KLB027P	q27p. sleep is restless
KLB027Q	q27q. lonely
KLB027R	q27r. sad

<b>CASP-19</b>
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Wave	Variable	Label	Type
07	R7AGEPRV	r7ageprv:w7 CASP: age prevents r from doing things they like	Categ
07	S7AGEPRV	s7ageprv:w7 CASP: age prevents s from doing things they life	Categ
07	R7OUTCON	r7outcon:w7 CASP: r what happens is out of my control	Categ
07	S7OUTCON	s7outcon:w7 CASP: s what happens is out of my control	Categ
07	R7FREEPLN	r7freepln:w7 CASP: r feels free to plan for future	Categ
07	S7FREEPLN	s7freepln:w7 CASP: s feels free to plan for future	Categ
07	R7FLFTOUT	r7flftout:w7 CASP: r feels left out of things	Categ
07	S7FLFTOUT	s7flftout:w7 CASP: s feels left out of things	Categ
07	R7CANDO	r7cando:w7 CASP: r can do things they want to do	Categ
07	S7CANDO	s7cando:w7 CASP: s can do things they want to do	Categ
07	R7FAMPRV	r7famprv:w7 CASP: family responsibility prevents r from doin	Categ
07	S7FAMPRV	s7famprv:w7 CASP: family responsibility prevents s from doin	Categ
07	R7DOWPLS	r7dowpls:w7 CASP: r can do what they please	Categ
07	S7DOWPLS	s7dowpls:w7 CASP: s can do what they please	Categ
07	R7HLTHSTP	r7hlthstp:w7 CASP: health stops r from doing what they want	Categ
07	S7HLTHSTP	s7hlthstp:w7 CASP: health stops s from doing what they want	Categ
07	R7MSHTGE	r7mshtge:w7 CASP: money shortage stops r from doing things t	Categ
07	S7MSHTGE	s7mshtge:w7 CASP: money shortage stops s from doing things t	Categ
07	R7LOOKFWD	r7lookfwd:w7 CASP: r looks forward to each day	Categ
07	S7LOOKFWD	s7lookfwd:w7 CASP: s looks forward to each day	Categ
07	R7LFEMEAN	r7lfemean:w7 CASP: r feels life has meaning	Categ
07	S7LFEMEAN	s7lfemean:w7 CASP: s feels life has meaning	Categ
07	R7ENJDO	r7enjdo:w7 CASP: r enjoys things they do	Categ
07	S7ENJDO	s7enjdo:w7 CASP: s enjoys things they do	Categ
07	R7ENJCOMPNY	r7enjcmpny:w7 CASP: r enjoys being in company of others	Categ
07	S7ENJCOMPNY	s7enjcmpny:w7 CASP: s enjoys being in company of others	Categ
07	R7SNSHAPPY	r7snshappy:w7 CASP: r looks back on life with sense of happi	Categ
07	S7SNSHAPPY	s7snshappy:w7 CASP: s looks back on life with sense of happi	Categ
07	R7FENERG	r7fenerg:w7 CASP: r feels full of energy	Categ

07	S7FENERG	s7fenerg:w7	CASP: s feels full of energy	Categ
07	R7CHSNTH	r7chsnth:w7	CASP: r chooses things never done before	Categ
07	S7CHSNTH	s7chsnth:w7	CASP: s chooses things never done before	Categ
07	R7LFTRNOUT	r7lftrnout:w7	CASP: r feels satisfied the way life turned ou	Categ
07	S7LFTRNOUT	s7lftrnout:w7	CASP: s feels satisfied the way life turned ou	Categ
07	R7LIFEOPP	r7lifeopp:w7	CASP: r life is full of opportunities	Categ
07	S7LIFEOPP	s7lifeopp:w7	CASP: s life is full of opportunities	Categ
07	R7FUTREGD	r7futregd:w7	CASP: r feels future looks good for them	Categ
07	S7FUTREGD	s7futregd:w7	CASP: s feels future looks good for them	Categ
07	R7CNTRLNDX6	r7cntrlndx6:w7	CASP: r 6-item control index	Cont
07	S7CNTRLNDX6	s7cntrlndx6:w7	CASP: s 6-item control index	Cont
07	R7CNTRLNDX5	r7cntrlndx5:w7	CASP: r 5-item control index	Cont
07	S7CNTRLNDX5	s7cntrlndx5:w7	CASP: s 5-item control index	Cont
07	R7AUTONDX5	r7autondx5:w7	CASP: r 5-item autonomy index	Cont
07	S7AUTONDX5	s7autondx5:w7	CASP: s 5-item autonomy index	Cont
07	R7AUTONDX3	r7autondx3:w7	CASP: r 3-item autonomy index	Cont
07	S7AUTONDX3	s7autondx3:w7	CASP: s 3-item autonomy index	Cont
07	R7PLSRNDX4	r7plsrndx4:w7	CASP: r 4-item pleasure index	Cont
07	S7PLSRNDX4	s7plsrndx4:w7	CASP: s 4-item pleasure index	Cont
07	R7PLSRNDX2	r7plsrndx2:w7	CASP: r 2-item pleasure index	Cont
07	S7PLSRNDX2	s7plsrndx2:w7	CASP: s 2-item pleasure index	Cont
07	R7SLFRLNDX4	r7slfrlndx4:w7	CASP: r 4-item self-realization index	Cont
07	S7SLFRLNDX4	s7slfrlndx4:w7	CASP: s 4-item self-realization index	Cont
07	R7SLFRLNDX2	r7slfrlndx2:w7	CASP: r 2-item self-realization index	Cont
07	S7SLFRLNDX2	s7slfrlndx2:w7	CASP: s 2-item self-realization index	Cont
07	R7CASP19	r7casp19:w7	CASP: r 19-item total score	Cont
07	S7CASP19	s7casp19:w7	CASP: s 19-item total score	Cont
07	R7CASP12	r7casp12:w7	CASP: r 12-item total score	Cont
07	S7CASP12	s7casp12:w7	CASP: s 12-item total score	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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R7AGEPRV	3184	1.07	0.96	0.00	3.00
S7AGEPRV	2269	1.03	0.94	0.00	3.00
R7OUTCON	3102	1.07	0.92	0.00	3.00
S7OUTCON	2219	1.03	0.90	0.00	3.00
R7FREEPLN	3141	2.34	0.89	0.00	3.00
S7FREEPLN	2246	2.38	0.86	0.00	3.00
R7FLFTOUT	3110	0.91	0.89	0.00	3.00
S7FLFTOUT	2231	0.87	0.87	0.00	3.00
R7CANDO	3213	2.46	0.71	0.00	3.00
S7CANDO	2295	2.49	0.69	0.00	3.00
R7FAMPRV	3168	1.00	0.90	0.00	3.00
S7FAMPRV	2275	1.10	0.88	0.00	3.00
R7DOWPLS	3173	2.32	0.83	0.00	3.00
S7DOWPLS	2273	2.29	0.84	0.00	3.00
R7HLTHSTP	3180	1.22	1.03	0.00	3.00
S7HLTHSTP	2275	1.16	1.02	0.00	3.00
R7MSHTGE	3216	1.66	0.98	0.00	3.00
S7MSHTGE	2293	1.62	0.95	0.00	3.00
R7LOOKFWD	3209	2.75	0.54	0.00	3.00
S7LOOKFWD	2290	2.77	0.51	0.00	3.00
R7LFEMEAN	3197	2.70	0.60	0.00	3.00
S7LFEMEAN	2284	2.73	0.56	0.00	3.00
R7ENJDO	3217	2.76	0.50	0.00	3.00
S7ENJDO	2297	2.78	0.48	0.00	3.00
R7ENJCOMPNY	3223	2.68	0.55	0.00	3.00
S7ENJCOMPNY	2298	2.69	0.54	0.00	3.00
R7SNSHAPPY	3221	2.58	0.64	0.00	3.00
S7SNSHAPPY	2294	2.62	0.61	0.00	3.00
R7FENERG	3212	2.06	0.81	0.00	3.00
S7FENERG	2288	2.11	0.78	0.00	3.00
R7CHSNTH	3181	1.62	0.85	0.00	3.00
S7CHSNTH	2274	1.65	0.81	0.00	3.00

R7LFTRNOUT	3206	2.45	0.72	0.00	3.00
S7LFTRNOUT	2290	2.51	0.68	0.00	3.00
R7LIFEOPP	3195	2.39	0.76	0.00	3.00
S7LIFEOPP	2284	2.44	0.72	0.00	3.00
R7FUTREGD	3210	2.29	0.81	0.00	3.00
S7FUTREGD	2297	2.34	0.77	0.00	3.00
R7CNTRLNDX6	2906	12.86	3.23	0.00	18.00
S7CNTRLNDX6	2102	12.93	3.15	0.00	18.00
R7CNTRLNDX5	2923	10.50	2.79	0.00	15.00
S7CNTRLNDX5	2113	10.54	2.75	0.00	15.00
R7AUTONDX5	2986	10.94	2.53	0.00	15.00
S7AUTONDX5	2160	11.04	2.44	0.00	15.00
R7AUTONDX3	3076	6.79	1.56	0.00	9.00
S7AUTONDX3	2207	6.89	1.48	0.00	9.00
R7PLSRNDX4	3075	10.10	1.86	0.00	12.00
S7PLSRNDX4	2198	10.21	1.78	0.00	12.00
R7PLSRNDX2	3115	4.65	1.21	0.00	6.00
S7PLSRNDX2	2222	4.73	1.15	0.00	6.00
R7SLFRLNDX4	3051	8.76	2.46	0.00	12.00
S7SLFRLNDX4	2197	8.94	2.34	0.00	12.00
R7SLFRLNDX2	3104	4.68	1.43	0.00	6.00
S7SLFRLNDX2	2225	4.78	1.36	0.00	6.00
R7CASP19	2746	43.00	8.57	0.00	57.00
S7CASP19	2006	43.40	8.20	0.00	57.00
R7CASP12	2852	26.77	5.63	0.00	36.00
S7CASP12	2072	27.08	5.39	0.00	36.00

### Categorical Variable Codes

Value-----	R7AGEPRV
.c:no self-completion quest	12438
.m:Missing	88
.s:no psychosocial question	4419
0.never	1133
1.not often	920
2.sometimes	904
3.often	227

Value-----	S7AGEPRV
.c:no self-completion quest	7591
.m:Missing	57
.s:no psychosocial question	3051
.u:not coupled	6781
.v:SP NR	380
0.never	828
1.not often	690
2.sometimes	614
3.often	137
Value-----	R7OUTCON
.c:no self-completion quest	12438
.m:Missing	170
.s:no psychosocial question	4419
0.never	1009
1.not often	1092
2.sometimes	788
3.often	213
Value-----	S7OUTCON
.c:no self-completion quest	7591
.m:Missing	107
.s:no psychosocial question	3051
.u:not coupled	6781
.v:SP NR	380
0.never	732
1.not often	813
2.sometimes	541
3.often	133
Value-----	R7FREEPLN
.c:no self-completion quest	12438
.m:Missing	131
.s:no psychosocial question	4419
0.never	201
1.not often	285
2.sometimes	902
3.often	1753
Value-----	S7FREEPLN
.c:no self-completion quest	7591
.m:Missing	80
.s:no psychosocial question	3051
.u:not coupled	6781
.v:SP NR	380
0.never	129
1.not often	184
2.sometimes	639
3.often	1294
Value-----	R7FLFTOUT
.c:no self-completion quest	12438
.m:Missing	162
.s:no psychosocial question	4419
0.never	1244
1.not often	1027
2.sometimes	699
3.often	140
Value-----	S7FLFTOUT
.c:no self-completion quest	7591
.m:Missing	95
.s:no psychosocial question	3051
.u:not coupled	6781
.v:SP NR	380
0.never	922
1.not often	768
2.sometimes	458
3.often	83
Value-----	R7CANDO
.c:no self-completion quest	12439
.m:Missing	58
.s:no psychosocial question	4419
0.never	59



1.not often		224
2.sometimes		1094
3.often		1836
Value-----		S7CANDO
.c:no self-completion quest		7592
.m:Missing		30
.s:no psychosocial question		3051
.u:not coupled		6781
.v:SP NR		380
0.never		34
1.not often		153
2.sometimes		754
3.often		1354
Value-----		R7FAMPRV
.c:no self-completion quest		12438
.m:Missing		104
.s:no psychosocial question		4419
0.never		1141
1.not often		1016
2.sometimes		866
3.often		145
Value-----		S7FAMPRV
.c:no self-completion quest		7591
.m:Missing		51
.s:no psychosocial question		3051
.u:not coupled		6781
.v:SP NR		380
0.never		675
1.not often		798
2.sometimes		697
3.often		105
Value-----		R7DOWPLS
.c:no self-completion quest		12438
.m:Missing		99
.s:no psychosocial question		4419
0.never		152
1.not often		300
2.sometimes		1091
3.often		1630
Value-----		S7DOWPLS
.c:no self-completion quest		7591
.m:Missing		53
.s:no psychosocial question		3051
.u:not coupled		6781
.v:SP NR		380
0.never		113
1.not often		223
2.sometimes		831
3.often		1106
Value-----		R7HLTHSTP
.c:no self-completion quest		12438
.m:Missing		92
.s:no psychosocial question		4419
0.never		1031
1.not often		801
2.sometimes		961
3.often		387
Value-----		S7HLTHSTP
.c:no self-completion quest		7591
.m:Missing		51
.s:no psychosocial question		3051
.u:not coupled		6781
.v:SP NR		380
0.never		774
1.not often		603
2.sometimes		653
3.often		245
Value-----		R7MSHTGE

.c:no self-completion quest	12439
.m:Missing	55
.s:no psychosocial question	4419
0.never	511
1.not often	729
2.sometimes	1306
3.often	670

Value-----	S7MSHTGE
.c:no self-completion quest	7592
.m:Missing	32
.s:no psychosocial question	3051
.u:not coupled	6781
.v:SP NR	380
0.never	358
1.not often	575
2.sometimes	945
3.often	415

Value-----	R7LOOKFWD
.c:no self-completion quest	12438
.m:Missing	63
.s:no psychosocial question	4419
0.never	27
1.not often	93
2.sometimes	537
3.often	2552

Value-----	S7LOOKFWD
.c:no self-completion quest	7591
.m:Missing	36
.s:no psychosocial question	3051
.u:not coupled	6781
.v:SP NR	380
0.never	14
1.not often	55
2.sometimes	370
3.often	1851

Value-----	R7LFEMEAN
.c:no self-completion quest	12439
.m:Missing	74
.s:no psychosocial question	4419
0.never	38
1.not often	128
2.sometimes	589
3.often	2442

Value-----	S7LFEMEAN
.c:no self-completion quest	7592
.m:Missing	41
.s:no psychosocial question	3051
.u:not coupled	6781
.v:SP NR	380
0.never	21
1.not often	73
2.sometimes	402
3.often	1788

Value-----	R7ENJDO
.c:no self-completion quest	12438
.m:Missing	55
.s:no psychosocial question	4419
0.never	17
1.not often	57
2.sometimes	597
3.often	2546

Value-----	S7ENJDO
.c:no self-completion quest	7591
.m:Missing	29
.s:no psychosocial question	3051
.u:not coupled	6781
.v:SP NR	380
0.never	10
1.not often	35

2.sometimes		414
3.often		1838
Value-----		R7ENJCOMPNY
.c:no self-completion quest		12438
.m:Missing		49
.s:no psychosocial question		4419
0.never		18
1.not often		89
2.sometimes		798
3.often		2318
Value-----		S7ENJCOMPNY
.c:no self-completion quest		7591
.m:Missing		28
.s:no psychosocial question		3051
.u:not coupled		6781
.v:SP NR		380
0.never		10
1.not often		62
2.sometimes		553
3.often		1673
Value-----		R7SNSHAPPY
.c:no self-completion quest		12439
.m:Missing		50
.s:no psychosocial question		4419
0.never		40
1.not often		157
2.sometimes		908
3.often		2116
Value-----		S7SNSHAPPY
.c:no self-completion quest		7592
.m:Missing		31
.s:no psychosocial question		3051
.u:not coupled		6781
.v:SP NR		380
0.never		21
1.not often		92
2.sometimes		616
3.often		1565
Value-----		R7FENERG
.c:no self-completion quest		12438
.m:Missing		60
.s:no psychosocial question		4419
0.never		134
1.not often		551
2.sometimes		1503
3.often		1024
Value-----		S7FENERG
.c:no self-completion quest		7591
.m:Missing		38
.s:no psychosocial question		3051
.u:not coupled		6781
.v:SP NR		380
0.never		73
1.not often		367
2.sometimes		1088
3.often		760
Value-----		R7CHSNTH
.c:no self-completion quest		12439
.m:Missing		90
.s:no psychosocial question		4419
0.never		316
1.not often		1013
2.sometimes		1400
3.often		452
Value-----		S7CHSNTH
.c:no self-completion quest		7592
.m:Missing		51
.s:no psychosocial question		3051

.u:not coupled		6781
.v:SP NR		380
0.never		182
1.not often		746
2.sometimes		1037
3.often		309
Value-----	R7LFTRNOUT	
.c:no self-completion quest	12438	
.m:Missing		66
.s:no psychosocial question	4419	
0.never		73
1.not often		211
2.sometimes		1134
3.often		1788
Value-----	S7LFTRNOUT	
.c:no self-completion quest	7591	
.m:Missing		36
.s:no psychosocial question	3051	
.u:not coupled		6781
.v:SP NR		380
0.never		40
1.not often		118
2.sometimes		775
3.often		1357
Value-----	R7LIFEOPP	
.c:no self-completion quest	12439	
.m:Missing		76
.s:no psychosocial question	4419	
0.never		84
1.not often		286
2.sometimes		1119
3.often		1706
Value-----	S7LIFEOPP	
.c:no self-completion quest	7592	
.m:Missing		41
.s:no psychosocial question	3051	
.u:not coupled		6781
.v:SP NR		380
0.never		44
1.not often		184
2.sometimes		788
3.often		1268
Value-----	R7FUTREGD	
.c:no self-completion quest	12438	
.m:Missing		62
.s:no psychosocial question	4419	
0.never		114
1.not often		373
2.sometimes		1181
3.often		1542
Value-----	S7FUTREGD	
.c:no self-completion quest	7591	
.m:Missing		29
.s:no psychosocial question	3051	
.u:not coupled		6781
.v:SP NR		380
0.never		62
1.not often		235
2.sometimes		850
3.often		1150

### How Constructed:

The following variables indicate how often the respondent feels like a particular statement - related to their quality of life - applies to them. Each of these items are coded to fit the following 4-point scale: 0.Never, 1.Not often, 2.Sometimes, 3.Often. The psychosocial leave-behind survey was provided to a sub-sample of respondents at Wave 7. These questions are asked in the leave-behind questionnaire, so if the respondent did not return the self-completion questionnaire, then these variables are assigned

special missing value .c. In Wave 7, not everyone who completed the self-completion questionnaire received a psychosocial survey, and in these cases the variables are assigned special missing value .s. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwAGEPRV indicates how often the respondent feels the following statement applies to them: "My age prevents me from doing the things I would like to."

RwOUTCON indicates how often the respondent feels the following statement applies to them: "I feel that what happens to me is out of my control."

RwFREEPLN indicates how often the respondent feels the following statement applies to them: "I feel free to plan for the future."

RwFLFTOUT indicates how often the respondent feels the following statement applies to them: "I feel left out of things."

RwCANDO indicates how often the respondent feels the following statement applies to them: "I can do the things that I want to do."

RwFAMPRV indicates how often the respondent feels the following statement applies to them: "Family responsibilities prevent me from doing what I want to do."

RwDOWPLS indicates how often the respondent feels the following statement applies to them: "I feel that I can do as I please."

RwHLTHSTP indicates how often the respondent feels the following statement applies to them: "My health stops me from doing things I want to do."

RwMSHTGE indicates how often the respondent feels the following statement applies to them: "Shortage of money stops me from doing things I want to do."

RwLOOKFWD indicates how often the respondent feels the following statement applies to them: "I look forward to each day."

RwLFEMEAN indicates how often the respondent feels the following statement applies to them: "I feel that my life has meaning."

RwENJDO indicates how often the respondent feels the following statement applies to them: "I enjoy the things that I do."

RwENJCOMPNY indicates how often the respondent feels the following statement applies to them: "I enjoy being in the company of others."

RwSNSHAPPY indicates how often the respondent feels the following statement applies to them: "On balance, I look back on my life with a sense of happiness."

RwFENERG indicates how often the respondent feels the following statement applies to them: "I feel full of energy these days."

RwCHSNTH indicates how often the respondent feels the following statement applies to them: "I choose to do things that I have never done before."

RwLFTRNOUT indicates how often the respondent feels the following statement applies to them: "I feel satisfied with the way my life has turned out."

RwLIFEOPP indicates how often the respondent feels the following statement applies to them: "I feel that life is full of opportunities."

RwFUTREGD indicates how often the respondent feels the following statement applies to them: "I feel that the future looks good for me."

SwAGEPRV, SwOUTCON, SwFREEPLN, SwLFTOUT, SwCANDO, SwFAMPRV, SwDOWPLS, SwHLTHSTP, SwMSHTGE, SwLOOKFWD, SwLFEMEAN, SwENJDO, SwENJCOMPNY, SwSNSHAPPY, SwFENERG, SwCHSNTH, SwLFTRNOUT, SwLIFEOPP, and SwFUTREGD indicate how often the respondent's current wave's spouse feels a particular statement - related to their quality of life - applies to them, and their values are taken from the corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwCNTRLNDX6 and RwCNTRLNDX5 are 6-item and 5-item indices of control, respectively. In order to calculate these summary scores, RwAGEPRV, RwOUTCON, RwFLFTOUT, and RwFAMPRV are reverse-coded so that higher scores indicate more feelings of control.  $RwCNTRLNDX6 = (3 - RwAGEPRV) + (3 - RwOUTCON) + RwFREEPLN + (3 - RwFLFTOUT) + RwCANDO + (3 - RwFAMPRV)$ .  $RwCNTRLNDX5 = (3 - RwAGEPRV) + (3 - RwOUTCON) + (3 - RwFLFTOUT) + RwCANDO + (3 - RwFAMPRV)$ . RwCNTRLNDX6 and RwCNTRLNDX5 are only summed if none of the components are missing. If any components are missing, then RwCNTRLNDX6 and RwCNTRLNDX5 are assigned special missing value .m. The psychosocial leave-behind survey was provided to a sub-sample of respondents at Wave 7. If the respondent did not return the self-completion questionnaire, then RwCNTRLNDX6 and RwCNTRLNDX5 are assigned special missing value .c. In Wave 7, not everyone who completed the self-completion questionnaire received a psychosocial survey, and in these cases RwCNTRLNDX6 and RwCNTRLNDX5 are assigned special missing value .s. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwAUTONDX5 and RwAUTONDX3 are 5-item and 3-item indices of autonomy, respectively. In order to calculate these summary scores, RwHLTHSTP and RwMSHTGE are reverse-coded so that higher scores indicate more feelings of autonomy.  $RwAUTONDX5 = RwDOWPLS + (3 - RwHLTHSTP) + (3 - RwMSHTGE) + RwLOOKFWD + RwLFEMEAN$ .  $RwAUTONDX3 = (3 - RwMSHTGE) + RwLOOKFWD + RwLFEMEAN$ . RwAUTONDX5 and RwAUTONDX3 are only summed if none of the components are missing. If any components are missing, then RwAUTONDX5 and RwAUTONDX3 are assigned special missing value .m. The psychosocial leave-behind survey was provided to a sub-sample of respondents at Wave 7. If the respondent did not return the self-completion questionnaire, then RwAUTONDX5 and RwAUTONDX3 are assigned special missing value .c. In Wave 7, not everyone who completed the self-completion questionnaire received a psychosocial survey, and in these cases RwAUTONDX5 and RwAUTONDX3 are assigned special missing value .s. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwPLSRNDX4 and RwPLSRNDX2 are 4-item and 2-item indices of pleasure, respectively.  $RwPLSRNDX4 = RwENJDO + RwENJCOMPNY + SwSNSHAPPY + SwFENERG$ .  $RwPLSRNDX2 = SwSNSHAPPY + SwFENERG$ . RwPLSRNDX4 and RwPLSRNDX2 are only summed if none of the components are missing. If any components are missing, then RwPLSRNDX4 and RwPLSRNDX2 are assigned special missing value .m. The psychosocial leave-behind survey was provided to a sub-sample of respondents at Wave 7. If the respondent did not return the self-completion questionnaire, then RwPLSRNDX4 and RwPLSRNDX2 are assigned special missing value .c. In Wave 7, not everyone who completed the self-completion questionnaire received a psychosocial survey, and in these cases RwPLSRNDX4 and RwPLSRNDX2 are assigned special missing value .s. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwSLFRLNDX4 and RwSLFRLNDX2 are 4-item and 2-item indices of self-realization, respectively.  $RwSLFRLNDX4 = SwCHSNTH + SwLFTRNOUT + SwLIFEOPP + SwFUTREGD$ .  $RwSLFRLNDX2 = SwLIFEOPP + SwFUTREGD$ . RwSLFRLNDX4 and RwSLFRLNDX2 are only summed if none of the components are missing. If any components are missing, then RwSLFRLNDX4 and RwSLFRLNDX2 are assigned special missing value .m. The psychosocial leave-behind survey was provided to a sub-sample of respondents at Wave 7. If the respondent did not return the self-completion questionnaire, then RwSLFRLNDX4 and RwSLFRLNDX2 are assigned special missing value .c. In Wave 7, not everyone who completed the self-completion questionnaire received a psychosocial survey, and in these cases RwSLFRLNDX4 and RwSLFRLNDX2 are assigned special missing value .s. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwCASP19 and RwCASP12 are 19-item and 12-item indices of quality of life, respectively. In order to calculate these summary scores, RwAGEPRV, RwOUTCON, RwFLFTOUT, RwFAMPRV, RwHLTHSTP and RwMSHTGE are reverse-coded so that higher scores indicate higher quality of life.  $RwCASP19 = (3 - RwAGEPRV) + (3 - RwOUTCON) + RwFREEPLN + (3 - RwFLFTOUT) + RwCANDO + (3 - RwFAMPRV) + RwDOWPLS + (3 - RwHLTHSTP) + (3 - RwMSHTGE) + RwLOOKFWD + RwLFEMEAN + RwENJDO + RwENJCOMPNY + SwSNSHAPPY + SwFENERG +$

RwCHSNTH + RwLFTRNOUT + RwLIFEOPP + RwfUTREGD. RwCASP12 sums across 12 frequently used measures and equals (3-RwAGEPRV) + (3-RwOUTCON) + (3-RwFLFTOUT) + RwcANDO + (3-RwFAMPRV) + (3-RwMSHTGE) + RwLOOKFWD + RwLFEMEAN + RwsNSHAPPY + RwfENERG + RwLIFEOPP + RwfUTREGD. RwCASP19 and RwCASP12 are only summed if none of the components are missing. If any components are missing, then RwCASP19 and RwCASP12 are assigned special missing value .m. The psychosocial leave-behind survey was provided to a sub-sample of respondents at Wave 7. If the respondent did not return the self-completion questionnaire, then RwCASP19 and RwCASP12 are assigned special missing value .c. In Wave 7, not everyone who completed the self-completion questionnaire received a psychosocial survey, and in these cases RwCASP19 and RwCASP12 are assigned special missing value .s. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwCNTRLNDX6, SwCNTRLNDX5, SwAUTONDX5, SwAUTONDX3, SwPLSRNDX4, SwPLSRNDX2, SwSLFRLNDX4, SwSLFRLNDX2, SwCASP19, and SwCASP12 are indices of control, autonomy, pleasure, self-realization, and quality of life, respectively. Their values are taken from the corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to quality of life are only included as part of the Wave 7 psychosocial leave-behind survey.

In Wave 7, those eligible for a self-completion questionnaire were split between receiving a psychosocial questionnaire and a disability questionnaire. As such, these variables use a special missing .s in Wave 7 if the respondent was asked to complete the disability questionnaire and not the psychosocial questionnaire.

## HRS Variables Used:

Wave 7:

JLB503A	q3a. age prevents me from doing things
JLB503B	q3b. things happen out of my control
JLB503C	q3c. feel free to plan for the future
JLB503D	q3d. feel left out of things
JLB503E	q3e. do things that i want to do
JLB503F	q3f. family responsibilities prevent me
JLB503G	q3g. do as i please
JLB503H	q3h. health stops me from doing things
JLB503I	q3i. shortage of money prevents me
JLB503J	q3j. look forward to each day
JLB503K	q3k. life has meaning
JLB503L	q3l. enjoy things that i do
JLB503M	q3m. enjoy the company of others
JLB503N	q3n. life has sense of happiness
JLB503O	q3o. feel full of energy these days
JLB503P	q3p. choose to do new things
JLB503Q	q3q. satisfied w/ how my life turned out
JLB503R	q3r. life is full of opportunities
JLB503S	q3s. future looks good for me

<b>Ryff's Psychological Well-Being</b>
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Wave	Variable	Label	Type
07	R7RPLNFUT	r7rplnfut:w7 Ryff: r enjoys making plans for the future	Categ
08	R8RPLNFUT	r8rplnfut:w8 Ryff: r enjoys making plans for the future	Categ
09	R9RPLNFUT	r9rplnfut:w9 Ryff: r enjoys making plans for the future	Categ
10	R10RPLNFUT	r10rplnfut:w10 Ryff: r enjoys making plans for the future	Categ
11	R11RPLNFUT	r11rplnfut:w11 Ryff: r enjoys making plans for the future	Categ
12	R12RPLNFUT	r12rplnfut:w12 Ryff: r enjoys making plans for the future	Categ
13	R13RPLNFUT	r13rplnfut:w13 Ryff: r enjoys making plans for the future	Categ
14	R14RPLNFUT	r14rplnfut:w14 Ryff: r enjoys making plans for the future	Categ
15	R15RPLNFUT	r15rplnfut:w15 Ryff: r enjoys making plans for the future	Categ
07	S7RPLNFUT	s7rplnfut:w7 Ryff: s enjoys making plans for the future	Categ
08	S8RPLNFUT	s8rplnfut:w8 Ryff: s enjoys making plans for the future	Categ
09	S9RPLNFUT	s9rplnfut:w9 Ryff: s enjoys making plans for the future	Categ
10	S10RPLNFUT	s10rplnfut:w10 Ryff: s enjoys making plans for the future	Categ
11	S11RPLNFUT	s11rplnfut:w11 Ryff: s enjoys making plans for the future	Categ
12	S12RPLNFUT	s12rplnfut:w12 Ryff: s enjoys making plans for the future	Categ
13	S13RPLNFUT	s13rplnfut:w13 Ryff: s enjoys making plans for the future	Categ
14	S14RPLNFUT	s14rplnfut:w14 Ryff: s enjoys making plans for the future	Categ
15	S15RPLNFUT	s15rplnfut:w15 Ryff: s enjoys making plans for the future	Categ
08	R8RACTTRV	r8racttrv:w8 Ryff: r daily activities often seem trivial	Categ
09	R9RACTTRV	r9racttrv:w9 Ryff: r daily activities often seem trivial	Categ
10	R10RACTTRV	r10racttrv:w10 Ryff: r daily activities often seem trivial	Categ
11	R11RACTTRV	r11racttrv:w11 Ryff: r daily activities often seem trivial	Categ
12	R12RACTTRV	r12racttrv:w12 Ryff: r daily activities often seem trivial	Categ
13	R13RACTTRV	r13racttrv:w13 Ryff: r daily activities often seem trivial	Categ
14	R14RACTTRV	r14racttrv:w14 Ryff: r daily activities often seem trivial	Categ
15	R15RACTTRV	r15racttrv:w15 Ryff: r daily activities often seem trivial	Categ
08	S8RACTTRV	s8racttrv:w8 Ryff: s daily activities often seem trivial	Categ
09	S9RACTTRV	s9racttrv:w9 Ryff: s daily activities often seem trivial	Categ
10	S10RACTTRV	s10racttrv:w10 Ryff: s daily activities often seem trivial	Categ
11	S11RACTTRV	s11racttrv:w11 Ryff: s daily activities often seem trivial	Categ
12	S12RACTTRV	s12racttrv:w12 Ryff: s daily activities often seem trivial	Categ
13	S13RACTTRV	s13racttrv:w13 Ryff: s daily activities often seem trivial	Categ
14	S14RACTTRV	s14racttrv:w14 Ryff: s daily activities often seem trivial	Categ
15	S15RACTTRV	s15racttrv:w15 Ryff: s daily activities often seem trivial	Categ
08	R8RACTPLN	r8ractpln:w8 Ryff: r carries out plans set for themselves	Categ
09	R9RACTPLN	r9ractpln:w9 Ryff: r carries out plans set for themselves	Categ
10	R10RACTPLN	r10ractpln:w10 Ryff: r carries out plans set for themselves	Categ
11	R11RACTPLN	r11ractpln:w11 Ryff: r carries out plans set for themselves	Categ
12	R12RACTPLN	r12ractpln:w12 Ryff: r carries out plans set for themselves	Categ
13	R13RACTPLN	r13ractpln:w13 Ryff: r carries out plans set for themselves	Categ
14	R14RACTPLN	r14ractpln:w14 Ryff: r carries out plans set for themselves	Categ
15	R15RACTPLN	r15ractpln:w15 Ryff: r carries out plans set for themselves	Categ
08	S8RACTPLN	s8ractpln:w8 Ryff: s carries out plans set for themselves	Categ
09	S9RACTPLN	s9ractpln:w9 Ryff: s carries out plans set for themselves	Categ
10	S10RACTPLN	s10ractpln:w10 Ryff: s carries out plans set for themselves	Categ
11	S11RACTPLN	s11ractpln:w11 Ryff: s carries out plans set for themselves	Categ
12	S12RACTPLN	s12ractpln:w12 Ryff: s carries out plans set for themselves	Categ
13	S13RACTPLN	s13ractpln:w13 Ryff: s carries out plans set for themselves	Categ
14	S14RACTPLN	s14ractpln:w14 Ryff: s carries out plans set for themselves	Categ
15	S15RACTPLN	s15ractpln:w15 Ryff: s carries out plans set for themselves	Categ
08	R8RNSNSACC	r8rnsnsacc:w8 Ryff: r no sense of what trying to accomplish	Categ



09	R9RNSNSACC	r9rnsnsacc:w9 Ryff: r no sense of what trying to accomplish	Categ
10	R10RNSNSACC	r10rnsnsacc:w10 Ryff: r no sense of what trying to accomplis	Categ
11	R11RNSNSACC	r11rnsnsacc:w11 Ryff: r no sense of what trying to accomplis	Categ
12	R12RNSNSACC	r12rnsnsacc:w12 Ryff: r no sense of what trying to accomplis	Categ
13	R13RNSNSACC	r13rnsnsacc:w13 Ryff: r no sense of what trying to accomplis	Categ
14	R14RNSNSACC	r14rnsnsacc:w14 Ryff: r no sense of what trying to accomplis	Categ
15	R15RNSNSACC	r15rnsnsacc:w15 Ryff: r no sense of what trying to accomplis	Categ
08	S8RNSNSACC	s8rnsnsacc:w8 Ryff: s no sense of what trying to accomplish	Categ
09	S9RNSNSACC	s9rnsnsacc:w9 Ryff: s no sense of what trying to accomplish	Categ
10	S10RNSNSACC	s10rnsnsacc:w10 Ryff: s no sense of what trying to accomplis	Categ
11	S11RNSNSACC	s11rnsnsacc:w11 Ryff: s no sense of what trying to accomplis	Categ
12	S12RNSNSACC	s12rnsnsacc:w12 Ryff: s no sense of what trying to accomplis	Categ
13	S13RNSNSACC	s13rnsnsacc:w13 Ryff: s no sense of what trying to accomplis	Categ
14	S14RNSNSACC	s14rnsnsacc:w14 Ryff: s no sense of what trying to accomplis	Categ
15	S15RNSNSACC	s15rnsnsacc:w15 Ryff: s no sense of what trying to accomplis	Categ
07	R7RDONALL	r7rdonall:w7 Ryff: r feels they've done all in life	Categ
08	R8RDONALL	r8rdonall:w8 Ryff: r feels they've done all in life	Categ
09	R9RDONALL	r9rdonall:w9 Ryff: r feels they've done all in life	Categ
10	R10RDONALL	r10rdonall:w10 Ryff: r feels they've done all in life	Categ
11	R11RDONALL	r11rdonall:w11 Ryff: r feels they've done all in life	Categ
12	R12RDONALL	r12rdonall:w12 Ryff: r feels they've done all in life	Categ
13	R13RDONALL	r13rdonall:w13 Ryff: r feels they've done all in life	Categ
14	R14RDONALL	r14rdonall:w14 Ryff: r feels they've done all in life	Categ
15	R15RDONALL	r15rdonall:w15 Ryff: r feels they've done all in life	Categ
07	S7RDONALL	s7rdonall:w7 Ryff: s feels they've done all in life	Categ
08	S8RDONALL	s8rdonall:w8 Ryff: s feels they've done all in life	Categ
09	S9RDONALL	s9rdonall:w9 Ryff: s feels they've done all in life	Categ
10	S10RDONALL	s10rdonall:w10 Ryff: s feels they've done all in life	Categ
11	S11RDONALL	s11rdonall:w11 Ryff: s feels they've done all in life	Categ
12	S12RDONALL	s12rdonall:w12 Ryff: s feels they've done all in life	Categ
13	S13RDONALL	s13rdonall:w13 Ryff: s feels they've done all in life	Categ
14	S14RDONALL	s14rdonall:w14 Ryff: s feels they've done all in life	Categ
15	S15RDONALL	s15rdonall:w15 Ryff: s feels they've done all in life	Categ
07	R7RLIVONED	r7rlivoned:w7 Ryff: r lives one day at a time	Categ
08	R8RLIVONED	r8rlivoned:w8 Ryff: r lives one day at a time	Categ
09	R9RLIVONED	r9rlivoned:w9 Ryff: r lives one day at a time	Categ
10	R10RLIVONED	r10rlivoned:w10 Ryff: r lives one day at a time	Categ
11	R11RLIVONED	r11rlivoned:w11 Ryff: r lives one day at a time	Categ
12	R12RLIVONED	r12rlivoned:w12 Ryff: r lives one day at a time	Categ
13	R13RLIVONED	r13rlivoned:w13 Ryff: r lives one day at a time	Categ
14	R14RLIVONED	r14rlivoned:w14 Ryff: r lives one day at a time	Categ
15	R15RLIVONED	r15rlivoned:w15 Ryff: r lives one day at a time	Categ
07	S7RLIVONED	s7rlivoned:w7 Ryff: s lives one day at a time	Categ
08	S8RLIVONED	s8rlivoned:w8 Ryff: s lives one day at a time	Categ
09	S9RLIVONED	s9rlivoned:w9 Ryff: s lives one day at a time	Categ
10	S10RLIVONED	s10rlivoned:w10 Ryff: s lives one day at a time	Categ
11	S11RLIVONED	s11rlivoned:w11 Ryff: s lives one day at a time	Categ
12	S12RLIVONED	s12rlivoned:w12 Ryff: s lives one day at a time	Categ
13	S13RLIVONED	s13rlivoned:w13 Ryff: s lives one day at a time	Categ
14	S14RLIVONED	s14rlivoned:w14 Ryff: s lives one day at a time	Categ
15	S15RLIVONED	s15rlivoned:w15 Ryff: s lives one day at a time	Categ
08	R8RSNSDIR	r8rsnsdir:w8 Ryff: r has a sense of direction in life	Categ
09	R9RSNSDIR	r9rsnsdir:w9 Ryff: r has a sense of direction in life	Categ
10	R10RSNSDIR	r10rsnsdir:w10 Ryff: r has a sense of direction in life	Categ
11	R11RSNSDIR	r11rsnsdir:w11 Ryff: r has a sense of direction in life	Categ
12	R12RSNSDIR	r12rsnsdir:w12 Ryff: r has a sense of direction in life	Categ
13	R13RSNSDIR	r13rsnsdir:w13 Ryff: r has a sense of direction in life	Categ

14	R14RSNSDIR	r14rsnsdir:w14 Ryff: r has a sense of direction in life	Categ
15	R15RSNSDIR	r15rsnsdir:w15 Ryff: r has a sense of direction in life	Categ
08	S8RSNSDIR	s8rsnsdir:w8 Ryff: s has a sense of direction in life	Categ
09	S9RSNSDIR	s9rsnsdir:w9 Ryff: s has a sense of direction in life	Categ
10	S10RSNSDIR	s10rsnsdir:w10 Ryff: s has a sense of direction in life	Categ
11	S11RSNSDIR	s11rsnsdir:w11 Ryff: s has a sense of direction in life	Categ
12	S12RSNSDIR	s12rsnsdir:w12 Ryff: s has a sense of direction in life	Categ
13	S13RSNSDIR	s13rsnsdir:w13 Ryff: s has a sense of direction in life	Categ
14	S14RSNSDIR	s14rsnsdir:w14 Ryff: s has a sense of direction in life	Categ
15	S15RSNSDIR	s15rsnsdir:w15 Ryff: s has a sense of direction in life	Categ
08	R8LFPRPS	r8lfprps:w8 r Ryff Purpose of Life Index	Cont
09	R9LFPRPS	r9lfprps:w9 r Ryff Purpose of Life Index	Cont
10	R10LFPRPS	r10lfprps:w10 r Ryff Purpose of Life Index	Cont
11	R11LFPRPS	r11lfprps:w11 r Ryff Purpose of Life Index	Cont
12	R12LFPRPS	r12lfprps:w12 r Ryff Purpose of Life Index	Cont
13	R13LFPRPS	r13lfprps:w13 r Ryff Purpose of Life Index	Cont
14	R14LFPRPS	r14lfprps:w14 r Ryff Purpose of Life Index	Cont
15	R15LFPRPS	r15lfprps:w15 r Ryff Purpose of Life Index	Cont
08	S8LFPRPS	s8lfprps:w8 s Ryff Purpose of Life Index	Cont
09	S9LFPRPS	s9lfprps:w9 s Ryff Purpose of Life Index	Cont
10	S10LFPRPS	s10lfprps:w10 s Ryff Purpose of Life Index	Cont
11	S11LFPRPS	s11lfprps:w11 s Ryff Purpose of Life Index	Cont
12	S12LFPRPS	s12lfprps:w12 s Ryff Purpose of Life Index	Cont
13	S13LFPRPS	s13lfprps:w13 s Ryff Purpose of Life Index	Cont
14	S14LFPRPS	s14lfprps:w14 s Ryff Purpose of Life Index	Cont
15	S15LFPRPS	s15lfprps:w15 s Ryff Purpose of Life Index	Cont
08	R8LFPRPSM	r8lfprpsm:w8 r Ryff Purpose of Life Index missings	Cont
09	R9LFPRPSM	r9lfprpsm:w9 r Ryff Purpose of Life Index missings	Cont
10	R10LFPRPSM	r10lfprpsm:w10 r Ryff Purpose of Life Index missings	Cont
11	R11LFPRPSM	r11lfprpsm:w11 r Ryff Purpose of Life Index missings	Cont
12	R12LFPRPSM	r12lfprpsm:w12 r Ryff Purpose of Life Index missings	Cont
13	R13LFPRPSM	r13lfprpsm:w13 r Ryff Purpose of Life Index missings	Cont
14	R14LFPRPSM	r14lfprpsm:w14 r Ryff Purpose of Life Index missings	Cont
15	R15LFPRPSM	r15lfprpsm:w15 r Ryff Purpose of Life Index missings	Cont
08	S8LFPRPSM	s8lfprpsm:w8 s Ryff Purpose of Life Index missings	Cont
09	S9LFPRPSM	s9lfprpsm:w9 s Ryff Purpose of Life Index missings	Cont
10	S10LFPRPSM	s10lfprpsm:w10 s Ryff Purpose of Life Index missings	Cont
11	S11LFPRPSM	s11lfprpsm:w11 s Ryff Purpose of Life Index missings	Cont
12	S12LFPRPSM	s12lfprpsm:w12 s Ryff Purpose of Life Index missings	Cont
13	S13LFPRPSM	s13lfprpsm:w13 s Ryff Purpose of Life Index missings	Cont
14	S14LFPRPSM	s14lfprpsm:w14 s Ryff Purpose of Life Index missings	Cont
15	S15LFPRPSM	s15lfprpsm:w15 s Ryff Purpose of Life Index missings	Cont
08	R8RPRLEARN	r8rprlearn:w8 Ryff: r life continuous process of learning, c	Categ
08	S8RPRLEARN	s8rprlearn:w8 Ryff: s life continuous process of learning, c	Categ
08	R8RNWEXPER	r8rnwexper:w8 Ryff: r important to have new experiences	Categ
08	S8RNWEXPER	s8rnwexper:w8 Ryff: s important to have new experiences	Categ
08	R8RGIMPROV	r8rgimprov:w8 Ryff: r gave up trying to make big improvement	Categ
08	S8RGIMPROV	s8rgimprov:w8 Ryff: s gave up trying to make big improvement	Categ
08	R8RNXPNDHRZ	r8rnxpndhrz:w8 Ryff: r not interested in expanding horizons	Categ
08	S8RNXPNDHRZ	s8rnxpndhrz:w8 Ryff: s not interested in expanding horizons	Categ

08	R8RNIMPR	r8rnimpr:w8 Ryff: r hasn't improved as a person	Categ
08	S8RNIMPR	s8rnimpr:w8 Ryff: s hasn't improved as a person	Categ
08	R8RNEWSIT	r8rnewsit:w8 Ryff: r doesn't enjoy new situations	Categ
08	S8RNEWSIT	s8rnewsit:w8 Ryff: s doesn't enjoy new situations	Categ
08	R8RDEVELP	r8rdevelp:w8 Ryff: r has developed as person over time	Categ
08	S8RDEVELP	s8rdevelp:w8 Ryff: s has developed as person over time	Categ
08	R8PRSNLGR	r8prsnlgr:w8 r Ryff Personal Growth Index	Cont
08	S8PRSNLGR	s8prsnlgr:w8 s Ryff Personal Growth Index	Cont
08	R8PRSNLGRM	r8prsnlgrm:w8 r Ryff Person Growth Index missings	Cont
08	S8PRSNLGRM	s8prsnlgrm:w8 s Ryff Personal Growth Index missings	Cont
08	R8RLPRSNLTY	r8rlprsnlty:w8 Ryff: r likes most parts of their personality	Categ
08	S8RLPRSNLTY	s8rlprsnlty:w8 Ryff: s likes most parts of their personality	Categ
08	R8RPLSSTRY	r8rplsstry:w8 Ryff: r pleased how things turned out in life	Categ
08	S8RPLSSTRY	s8rplsstry:w8 Ryff: s pleased how things turned out in life	Categ
08	R8RDISACHV	r8rdisachv:w8 Ryff: r disappointed with life achievements	Categ
08	S8RDISACHV	s8rdisachv:w8 Ryff: s disappointed with life achievements	Categ
08	R8RCONFPOS	r8rconfpos:w8 Ryff: r feels confident about themselves	Categ
08	S8RCONFPOS	s8rconfpos:w8 Ryff: s feels confident about themselves	Categ
08	R8RFOTHMR	r8rfothmr:w8 Ryff: r feels other people get more out of life	Categ
08	S8RFOTHMR	s8rfothmr:w8 Ryff: s feels other people get more out of life	Categ
08	R8RATTNPOS	r8rattnpos:w8 Ryff: r attitude isn't as positive as others	Categ
08	S8RATTNPOS	s8rattnpos:w8 Ryff: s attitude isn't as positive as others	Categ
08	R8RFLGOOD	r8rflgood:w8 Ryff: r feels good about who they are	Categ
08	S8RFLGOOD	s8rflgood:w8 Ryff: s feels good about who they are	Categ
08	R8SLFACCP	r8slfaccpt:w8 r Ryff Self-Acceptance Index	Cont
08	S8SLFACCP	s8slfaccpt:w8 s Ryff Self-Acceptance Index	Cont
08	R8SLFACCPM	r8slfaccptm:w8 r Ryff Self-Acceptance Index missings	Cont
08	S8SLFACCPM	s8slfaccptm:w8 s Ryff Self-Acceptance Index missings	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7RPLNFUT	3177	4.56	1.31	1.00	6.00
R8RPLNFUT	7487	4.67	1.33	1.00	6.00

R9RPLNFUT	6844	4.87	1.27	1.00	6.00
R10RPLNFUT	8097	4.82	1.24	1.00	6.00
R11RPLNFUT	7123	4.65	1.30	1.00	6.00
R12RPLNFUT	7348	4.65	1.31	1.00	6.00
R13RPLNFUT	6219	4.69	1.32	1.00	6.00
R14RPLNFUT	5558	4.70	1.28	1.00	6.00
R15RPLNFUT	4531	4.72	1.29	1.00	6.00
S7RPLNFUT	2269	4.64	1.26	1.00	6.00
S8RPLNFUT	5066	4.75	1.27	1.00	6.00
S9RPLNFUT	4332	4.95	1.20	1.00	6.00
S10RPLNFUT	5219	4.89	1.19	1.00	6.00
S11RPLNFUT	4490	4.73	1.23	1.00	6.00
S12RPLNFUT	4558	4.74	1.25	1.00	6.00
S13RPLNFUT	3710	4.74	1.27	1.00	6.00
S14RPLNFUT	3311	4.81	1.22	1.00	6.00
S15RPLNFUT	2609	4.81	1.23	1.00	6.00
R8RACTTRV	7462	2.58	1.53	1.00	6.00
R9RACTTRV	6836	2.61	1.58	1.00	6.00
R10RACTTRV	8077	2.61	1.53	1.00	6.00
R11RACTTRV	7126	2.64	1.53	1.00	6.00
R12RACTTRV	7337	2.68	1.54	1.00	6.00
R13RACTTRV	6212	2.63	1.54	1.00	6.00
R14RACTTRV	5544	2.60	1.51	1.00	6.00
R15RACTTRV	4530	2.68	1.52	1.00	6.00
S8RACTTRV	5051	2.50	1.49	1.00	6.00
S9RACTTRV	4324	2.55	1.55	1.00	6.00
S10RACTTRV	5209	2.54	1.49	1.00	6.00
S11RACTTRV	4489	2.57	1.49	1.00	6.00
S12RACTTRV	4548	2.59	1.50	1.00	6.00
S13RACTTRV	3702	2.59	1.51	1.00	6.00
S14RACTTRV	3305	2.53	1.48	1.00	6.00
S15RACTTRV	2606	2.63	1.52	1.00	6.00
R8RACTPLN	7497	4.69	1.35	1.00	6.00
R9RACTPLN	6837	4.88	1.26	1.00	6.00
R10RACTPLN	8090	4.81	1.26	1.00	6.00
R11RACTPLN	7144	4.69	1.32	1.00	6.00
R12RACTPLN	7359	4.67	1.34	1.00	6.00
R13RACTPLN	6207	4.71	1.31	1.00	6.00
R14RACTPLN	5563	4.69	1.33	1.00	6.00
R15RACTPLN	4539	4.69	1.33	1.00	6.00
S8RACTPLN	5069	4.73	1.31	1.00	6.00
S9RACTPLN	4333	4.94	1.21	1.00	6.00
S10RACTPLN	5214	4.86	1.20	1.00	6.00
S11RACTPLN	4500	4.76	1.27	1.00	6.00
S12RACTPLN	4560	4.72	1.29	1.00	6.00
S13RACTPLN	3708	4.74	1.26	1.00	6.00
S14RACTPLN	3311	4.71	1.30	1.00	6.00
S15RACTPLN	2612	4.75	1.27	1.00	6.00
R8RNSNSACC	7434	2.55	1.61	1.00	6.00
R9RNSNSACC	6787	2.48	1.62	1.00	6.00
R10RNSNSACC	8036	2.47	1.57	1.00	6.00
R11RNSNSACC	7103	2.46	1.57	1.00	6.00
R12RNSNSACC	7304	2.49	1.56	1.00	6.00
R13RNSNSACC	6171	2.47	1.58	1.00	6.00
R14RNSNSACC	5528	2.42	1.54	1.00	6.00
R15RNSNSACC	4521	2.40	1.54	1.00	6.00

S8RNSNSACC	5033	2.48	1.59	1.00	6.00
S9RNSNSACC	4302	2.43	1.59	1.00	6.00
S10RNSNSACC	5182	2.39	1.53	1.00	6.00
S11RNSNSACC	4486	2.41	1.54	1.00	6.00
S12RNSNSACC	4533	2.44	1.55	1.00	6.00
S13RNSNSACC	3689	2.43	1.55	1.00	6.00
S14RNSNSACC	3302	2.34	1.51	1.00	6.00
S15RNSNSACC	2608	2.34	1.50	1.00	6.00
R7RDONALL	3170	2.73	1.52	1.00	6.00
R8RDONALL	7497	2.36	1.60	1.00	6.00
R9RDONALL	6844	2.31	1.60	1.00	6.00
R10RDONALL	8096	2.22	1.55	1.00	6.00
R11RDONALL	7138	2.22	1.54	1.00	6.00
R12RDONALL	7348	2.29	1.57	1.00	6.00
R13RDONALL	6207	2.20	1.56	1.00	6.00
R14RDONALL	5562	2.18	1.50	1.00	6.00
R15RDONALL	4533	2.22	1.52	1.00	6.00
S7RDONALL	2263	2.64	1.48	1.00	6.00
S8RDONALL	5070	2.26	1.55	1.00	6.00
S9RDONALL	4326	2.18	1.52	1.00	6.00
S10RDONALL	5216	2.10	1.48	1.00	6.00
S11RDONALL	4501	2.13	1.48	1.00	6.00
S12RDONALL	4548	2.17	1.50	1.00	6.00
S13RDONALL	3712	2.11	1.49	1.00	6.00
S14RDONALL	3311	2.08	1.44	1.00	6.00
S15RDONALL	2612	2.17	1.49	1.00	6.00
R7RLIVONED	3200	3.50	1.62	1.00	6.00
R8RLIVONED	7514	2.89	1.70	1.00	6.00
R9RLIVONED	6850	2.82	1.73	1.00	6.00
R10RLIVONED	8117	2.68	1.69	1.00	6.00
R11RLIVONED	7150	2.68	1.67	1.00	6.00
R12RLIVONED	7373	2.79	1.70	1.00	6.00
R13RLIVONED	6221	2.73	1.70	1.00	6.00
R14RLIVONED	5582	2.70	1.67	1.00	6.00
R15RLIVONED	4544	2.70	1.63	1.00	6.00
S7RLIVONED	2283	3.36	1.59	1.00	6.00
S8RLIVONED	5079	2.73	1.64	1.00	6.00
S9RLIVONED	4333	2.66	1.67	1.00	6.00
S10RLIVONED	5225	2.54	1.63	1.00	6.00
S11RLIVONED	4504	2.56	1.62	1.00	6.00
S12RLIVONED	4566	2.63	1.63	1.00	6.00
S13RLIVONED	3714	2.61	1.67	1.00	6.00
S14RLIVONED	3321	2.56	1.61	1.00	6.00
S15RLIVONED	2619	2.63	1.63	1.00	6.00
R8RSNSDIR	7459	4.68	1.36	1.00	6.00
R9RSNSDIR	6836	4.87	1.31	1.00	6.00
R10RSNSDIR	8083	4.84	1.33	1.00	6.00
R11RSNSDIR	7148	4.74	1.36	1.00	6.00
R12RSNSDIR	7358	4.74	1.37	1.00	6.00
R13RSNSDIR	6217	4.75	1.38	1.00	6.00
R14RSNSDIR	5564	4.76	1.37	1.00	6.00
R15RSNSDIR	4548	4.76	1.36	1.00	6.00
S8RSNSDIR	5046	4.75	1.32	1.00	6.00
S9RSNSDIR	4326	4.94	1.26	1.00	6.00
S10RSNSDIR	5213	4.91	1.27	1.00	6.00
S11RSNSDIR	4503	4.82	1.31	1.00	6.00
S12RSNSDIR	4558	4.80	1.33	1.00	6.00

S13RSNSDIR	3708	4.81	1.33	1.00	6.00
S14RSNSDIR	3311	4.84	1.30	1.00	6.00
S15RSNSDIR	2621	4.84	1.30	1.00	6.00
R8LFPRPS	7520	4.52	0.94	1.00	6.00
R9LFPRPS	6872	4.63	0.95	1.00	6.00
R10LFPRPS	8127	4.64	0.95	1.00	6.00
R11LFPRPS	7168	4.58	0.96	1.00	6.00
R12LFPRPS	7386	4.54	0.96	1.00	6.00
R13LFPRPS	6244	4.59	0.95	1.00	6.00
R14LFPRPS	5580	4.61	0.93	1.14	6.00
R15LFPRPS	4558	4.59	0.95	1.00	6.00
S8LFPRPS	5081	4.61	0.91	1.00	6.00
S9LFPRPS	4346	4.71	0.91	1.00	6.00
S10LFPRPS	5232	4.73	0.91	1.00	6.00
S11LFPRPS	4515	4.66	0.93	1.00	6.00
S12LFPRPS	4571	4.63	0.93	1.00	6.00
S13LFPRPS	3724	4.65	0.93	1.00	6.00
S14LFPRPS	3321	4.69	0.90	1.14	6.00
S15LFPRPS	2623	4.66	0.93	1.00	6.00
R8LFPRPSM	7730	0.23	1.10	0.00	7.00
R9LFPRPSM	7073	0.24	1.14	0.00	7.00
R10LFPRPSM	8332	0.21	1.05	0.00	7.00
R11LFPRPSM	7412	0.26	1.24	0.00	7.00
R12LFPRPSM	7541	0.18	0.97	0.00	7.00
R13LFPRPSM	6370	0.18	0.96	0.00	7.00
R14LFPRPSM	5738	0.22	1.11	0.00	7.00
R15LFPRPSM	4670	0.20	1.07	0.00	7.00
S8LFPRPSM	5190	0.18	0.97	0.00	7.00
S9LFPRPSM	4429	0.16	0.93	0.00	7.00
S10LFPRPSM	5335	0.16	0.94	0.00	7.00
S11LFPRPSM	4636	0.21	1.11	0.00	7.00
S12LFPRPSM	4635	0.12	0.81	0.00	7.00
S13LFPRPSM	3780	0.14	0.84	0.00	7.00
S14LFPRPSM	3397	0.18	1.00	0.00	7.00
S15LFPRPSM	2668	0.15	0.91	0.00	7.00
R8RPRLEARN	7503	5.01	1.21	1.00	6.00
S8RPRLEARN	5077	5.02	1.21	1.00	6.00
R8RNWEXPER	7442	4.72	1.41	1.00	6.00
S8RNWEXPER	5034	4.73	1.39	1.00	6.00
R8RGIMPROV	7493	2.60	1.60	1.00	6.00
S8RGIMPROV	5067	2.52	1.55	1.00	6.00
R8RNXPNDHRZ	7408	2.53	1.59	1.00	6.00
S8RNXPNDHRZ	5018	2.44	1.54	1.00	6.00
R8RNIMPR	7471	2.37	1.56	1.00	6.00
S8RNIMPR	5055	2.31	1.52	1.00	6.00
R8RNEWSIT	7497	3.57	1.58	1.00	6.00
S8RNEWSIT	5069	3.55	1.55	1.00	6.00

R8RDEVELP	7502	5.04	1.14	1.00	6.00
S8RDEVELP	5075	5.06	1.11	1.00	6.00
R8PRSNLGR	7526	4.53	0.92	1.00	6.00
S8PRSNLGR	5089	4.57	0.91	1.00	6.00
R8PRSNLGRM	7730	0.23	1.08	0.00	7.00
S8PRSNLGRM	5190	0.18	0.94	0.00	7.00
R8RLPRSNLTY	7535	4.99	1.09	1.00	6.00
S8RLPRSNLTY	5089	4.98	1.09	1.00	6.00
R8RPLSSTRY	7553	4.66	1.40	1.00	6.00
S8RPLSSTRY	5098	4.75	1.35	1.00	6.00
R8RDISACHV	7532	2.58	1.60	1.00	6.00
S8RDISACHV	5082	2.49	1.57	1.00	6.00
R8RCONFPOS	7512	5.03	1.21	1.00	6.00
S8RCONFPOS	5078	5.06	1.18	1.00	6.00
R8RFOTHMR	7478	2.76	1.61	1.00	6.00
S8RFOTHMR	5063	2.68	1.57	1.00	6.00
R8RATTNPOS	7463	2.98	1.69	1.00	6.00
S8RATTNPOS	5044	2.88	1.66	1.00	6.00
R8RFLGOOD	7500	4.99	1.20	1.00	6.00
S8RFLGOOD	5066	5.00	1.16	1.00	6.00
R8SLFACCPT	7541	4.62	0.95	1.00	6.00
S8SLFACCPT	5093	4.68	0.94	1.00	6.00
R8SLFACCPTM	7730	0.20	0.95	0.00	7.00
S8SLFACCPTM	5190	0.16	0.83	0.00	7.00

### Categorical Variable Codes

Value-----		R7RPLNFUT	R8RPLNFUT	R9RPLNFUT	R10RPLNFUT
.c:no self-completion quest		12439	10739	10144	13702
.m:Missing		94	243	229	235
.s:no psychosocial question		4419			
1.strongly disagree		132	314	209	207
2.moderately disagree		164	389	299	335
3.slightly disagree		227	414	316	441
4.slightly agree		752	1525	1160	1638
5.moderately agree		1066	2526	2216	2554
6.strongly agree		836	2319	2644	2922
Value-----	R11RPLNFUT	R12RPLNFUT	R13RPLNFUT	R14RPLNFUT	R15RPLNFUT
.c:no self-completion quest	13142	11206	14542	11407	11053

.m:Missing	289	193	151	181	139
1.strongly disagree	274	272	239	184	163
2.moderately disagree	344	393	307	261	195
3.slightly disagree	433	457	351	335	284
4.slightly agree	1652	1630	1368	1236	941
5.moderately agree	2282	2358	1950	1767	1481
6.strongly agree	2138	2238	2004	1775	1467

Value-----	S7RPLNFUT	S8RPLNFUT	S9RPLNFUT	S10RPLNFUT
.c:no self-completion quest	7591	6538	6211	8173
.m:Missing	57	124	97	116
.s:no psychosocial question	3051			
.u:not coupled	6781	6424	6212	7804
.v:SP NR	380	317	365	722
1.strongly disagree	75	168	108	115
2.moderately disagree	111	229	148	179
3.slightly disagree	146	266	176	260
4.slightly agree	512	985	718	1025
5.moderately agree	815	1795	1462	1697
6.strongly agree	610	1623	1720	1943

Value-----	S11RPLNFUT	S12RPLNFUT	S13RPLNFUT	S14RPLNFUT	S15RPLNFUT
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	146	77	70	87	59
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.strongly disagree	122	130	116	78	71
2.moderately disagree	198	201	182	133	96
3.slightly disagree	251	271	186	185	159
4.slightly agree	1045	972	801	696	513
5.moderately agree	1478	1518	1202	1086	868
6.strongly agree	1396	1466	1223	1133	902

Value-----		R8RACTTRV	R9RACTTRV	R10RACTTRV
.c:no self-completion quest		10739	10144	13702
.m:Missing		268	237	255
1.strongly disagree		2546	2429	2735
2.moderately disagree		1622	1391	1682
3.slightly disagree		1064	811	1153
4.slightly agree		1155	1126	1318
5.moderately agree		789	779	894
6.strongly agree		286	300	295

Value-----	R11RACTTRV	R12RACTTRV	R13RACTTRV	R14RACTTRV	R15RACTTRV
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	286	204	158	195	140
1.strongly disagree	2303	2359	2054	1810	1418
2.moderately disagree	1515	1493	1312	1232	954
3.slightly disagree	1067	1085	889	830	678
4.slightly agree	1201	1277	1073	931	797
5.moderately agree	749	811	607	518	514
6.strongly agree	291	312	277	223	169

Value-----		S8RACTTRV	S9RACTTRV	S10RACTTRV
.c:no self-completion quest		6538	6211	8173
.m:Missing		139	105	126
.u:not coupled		6424	6212	7804
.v:SP NR		317	365	722
1.strongly disagree		1790	1560	1796
2.moderately disagree		1158	927	1156
3.slightly disagree		702	516	730
4.slightly agree		762	692	843
5.moderately agree		477	462	544
6.strongly agree		162	167	140

Value-----	S11RACTTRV	S12RACTTRV	S13RACTTRV	S14RACTTRV	S15RACTTRV
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	147	87	78	93	62
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.strongly disagree	1487	1526	1227	1117	837
2.moderately disagree	995	970	817	761	573
3.slightly disagree	675	664	543	494	375
4.slightly agree	760	791	630	523	447
5.moderately agree	419	438	337	295	278
6.strongly agree	153	159	148	115	96



Value-----			R8RACTPLN	R9RACTPLN	R10RACTPLN
.c:no self-completion quest			10739	10144	13702
.m:Missing			233	236	242
1.strongly disagree			318	229	235
2.moderately disagree			399	237	311
3.slightly disagree			489	354	504
4.slightly agree			1377	1162	1569
5.moderately agree			2436	2201	2521
6.strongly agree			2478	2654	2950
Value-----	R11RACTPLN	R12RACTPLN	R13RACTPLN	R14RACTPLN	R15RACTPLN
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	268	182	163	176	131
1.strongly disagree	265	293	211	204	172
2.moderately disagree	319	375	291	279	214
3.slightly disagree	530	507	439	402	334
4.slightly agree	1514	1532	1301	1140	907
5.moderately agree	2129	2235	1887	1687	1405
6.strongly agree	2387	2417	2078	1851	1507
Value-----			S8RACTPLN	S9RACTPLN	S10RACTPLN
.c:no self-completion quest			6538	6211	8173
.m:Missing			121	96	121
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.strongly disagree			183	122	117
2.moderately disagree			259	120	179
3.slightly disagree			319	212	315
4.slightly agree			898	712	1001
5.moderately agree			1749	1442	1694
6.strongly agree			1661	1725	1908
Value-----	S11RACTPLN	S12RACTPLN	S13RACTPLN	S14RACTPLN	S15RACTPLN
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	136	75	72	87	56
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.strongly disagree	134	145	101	104	83
2.moderately disagree	174	219	157	154	98
3.slightly disagree	316	305	275	248	181
4.slightly agree	943	926	786	695	534
5.moderately agree	1376	1454	1160	1000	839
6.strongly agree	1557	1511	1229	1110	877
Value-----			R8RNSNSACC	R9RNSNSACC	R10RNSNSACC
.c:no self-completion quest			10739	10144	13702
.m:Missing			296	286	296
1.strongly disagree			2844	2796	3178
2.moderately disagree			1453	1288	1686
3.slightly disagree			991	795	1009
4.slightly agree			941	816	970
5.moderately agree			787	713	789
6.strongly agree			418	379	404
Value-----	R11RNSNSACC	R12RNSNSACC	R13RNSNSACC	R14RNSNSACC	R15RNSNSACC
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	309	237	199	211	149
1.strongly disagree	2872	2844	2466	2234	1861
2.moderately disagree	1365	1459	1218	1144	920
3.slightly disagree	902	994	823	716	609
4.slightly agree	953	946	774	718	549
5.moderately agree	681	737	562	456	363
6.strongly agree	330	324	328	260	219
Value-----			S8RNSNSACC	S9RNSNSACC	S10RNSNSACC
.c:no self-completion quest			6538	6211	8173
.m:Missing			157	127	153
.u:not coupled			6424	6212	7804
.v:SP NR			317	365	722
1.strongly disagree			2000	1785	2112
2.moderately disagree			1032	870	1156
3.slightly disagree			639	523	632
4.slightly agree			589	483	590
5.moderately agree			504	408	466
6.strongly agree			269	233	226

Value-----	S11RNSNSACC	S12RNSNSACC	S13RNSNSACC	S14RNSNSACC	S15RNSNSACC
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	150	102	91	96	60
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.strongly disagree	1852	1824	1488	1404	1095
2.moderately disagree	901	921	751	692	558
3.slightly disagree	556	580	492	402	351
4.slightly agree	591	584	471	404	294
5.moderately agree	391	431	308	275	202
6.strongly agree	195	193	179	125	108
Value-----		R7RDONALL	R8RDONALL	R9RDONALL	R10RDONALL
.c:no self-completion quest		12439	10739	10144	13702
.m:Missing		101	233	229	236
.s:no psychosocial question		4419			
1.strongly disagree		927	3454	3320	4092
2.moderately disagree		652	1262	1116	1355
3.slightly disagree		588	849	658	835
4.slightly agree		513	878	789	797
5.moderately agree		342	653	632	648
6.strongly agree		148	401	329	369
Value-----	R11RDONALL	R12RDONALL	R13RDONALL	R14RDONALL	R15RDONALL
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	274	193	163	177	137
1.strongly disagree	3614	3532	3216	2794	2232
2.moderately disagree	1118	1231	998	966	781
3.slightly disagree	804	869	633	601	512
4.slightly agree	746	748	600	595	486
5.moderately agree	549	596	446	404	325
6.strongly agree	307	372	314	202	197
Value-----		S7RDONALL	S8RDONALL	S9RDONALL	S10RDONALL
.c:no self-completion quest		7590	6538	6211	8173
.m:Missing		64	120	103	119
.s:no psychosocial question		3051			
.u:not coupled		6781	6424	6212	7804
.v:SP NR		380	317	365	722
1.strongly disagree		682	2442	2211	2774
2.moderately disagree		505	906	736	902
3.slightly disagree		409	542	408	516
4.slightly agree		362	546	471	468
5.moderately agree		223	404	342	359
6.strongly agree		82	230	158	197
Value-----	S11RDONALL	S12RDONALL	S13RDONALL	S14RDONALL	S15RDONALL
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	135	87	68	87	56
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.strongly disagree	2357	2292	1970	1749	1315
2.moderately disagree	727	798	642	594	469
3.slightly disagree	513	525	370	338	283
4.slightly agree	428	427	334	310	268
5.moderately agree	314	323	240	225	178
6.strongly agree	162	183	156	95	99
Value-----		R7RLIVONED	R8RLIVONED	R9RLIVONED	R10RLIVONED
.c:no self-completion quest		12439	10739	10144	13702
.m:Missing		71	216	223	215
.s:no psychosocial question		4419			
1.strongly disagree		491	2249	2289	2923
2.moderately disagree		500	1493	1295	1600
3.slightly disagree		536	991	838	966
4.slightly agree		647	1048	866	1026
5.moderately agree		635	1069	932	952
6.strongly agree		391	664	630	650
Value-----	R11RLIVONED	R12RLIVONED	R13RLIVONED	R14RLIVONED	R15RLIVONED
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	262	168	149	157	126
1.strongly disagree	2531	2436	2163	1948	1523
2.moderately disagree	1413	1417	1193	1095	926
3.slightly disagree	941	1006	822	729	613

4.slightly agree		915	941	787	740	641
5.moderately agree		779	945	711	651	538
6.strongly agree		571	628	545	419	303
Value-----			S7RLIVONED	S8RLIVONED	S9RLIVONED	S10RLIVONED
.c:no self-completion quest			7591	6538	6211	8173
.m:Missing			43	111	96	110
.s:no psychosocial question			3051			
.u:not coupled			6781	6424	6212	7804
.v:SP NR			380	317	365	722
1.strongly disagree			372	1653	1563	2041
2.moderately disagree			403	1058	874	1051
3.slightly disagree			401	714	527	613
4.slightly agree			461	654	535	646
5.moderately agree			422	665	528	549
6.strongly agree			224	335	306	325
Value-----		S11RLIVONED	S12RLIVONED	S13RLIVONED	S14RLIVONED	S15RLIVONED
.c:no self-completion quest		7840	6377	7998	5960	5798
.m:Missing		132	69	66	77	49
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.strongly disagree		1697	1610	1388	1246	917
2.moderately disagree		929	961	734	681	564
3.slightly disagree		602	612	485	444	337
4.slightly agree		526	569	446	399	335
5.moderately agree		445	497	364	351	295
6.strongly agree		305	317	297	200	171
Value-----				R8RSNSDIR	R9RSNSDIR	R10RSNSDIR
.c:no self-completion quest				10739	10144	13702
.m:Missing				271	237	249
1.strongly disagree				303	261	318
2.moderately disagree				399	265	302
3.slightly disagree				514	355	509
4.slightly agree				1440	1137	1395
5.moderately agree				2278	2008	2298
6.strongly agree				2525	2810	3261
Value-----		R11RSNSDIR	R12RSNSDIR	R13RSNSDIR	R14RSNSDIR	R15RSNSDIR
.c:no self-completion quest		13142	11206	14542	11407	11053
.m:Missing		264	183	153	175	122
1.strongly disagree		287	304	280	241	189
2.moderately disagree		349	362	295	265	207
3.slightly disagree		499	509	411	331	293
4.slightly agree		1334	1325	1130	1030	841
5.moderately agree		1989	2129	1727	1585	1286
6.strongly agree		2690	2729	2374	2112	1732
Value-----				S8RSNSDIR	S9RSNSDIR	S10RSNSDIR
.c:no self-completion quest				6538	6211	8173
.m:Missing				144	103	122
.u:not coupled				6424	6212	7804
.v:SP NR				317	365	722
1.strongly disagree				182	147	172
2.moderately disagree				258	138	162
3.slightly disagree				305	202	296
4.slightly agree				941	693	876
5.moderately agree				1589	1319	1518
6.strongly agree				1771	1827	2189
Value-----		S11RSNSDIR	S12RSNSDIR	S13RSNSDIR	S14RSNSDIR	S15RSNSDIR
.c:no self-completion quest		7840	6377	7998	5960	5798
.m:Missing		133	77	72	87	47
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.strongly disagree		149	166	144	114	86
2.moderately disagree		191	207	154	134	112
3.slightly disagree		304	302	228	191	153
4.slightly agree		789	780	664	585	467
5.moderately agree		1304	1353	1056	994	774
6.strongly agree		1766	1750	1462	1293	1029
Value-----				R8RPRLEARN		
.c:no self-completion quest				10739		
.m:Missing				227		

1.strongly disagree		189
2.moderately disagree		233
3.slightly disagree		315
4.slightly agree		1241
5.moderately agree		2097
6.strongly agree		3428

Value-----	S8RPRLEARN	
.c:no self-completion quest	6538	
.m:Missing		113
.u:not coupled		6424
.v:SP NR		317
1.strongly disagree		131
2.moderately disagree		152
3.slightly disagree		202
4.slightly agree		824
5.moderately agree		1463
6.strongly agree		2305

Value-----	R8RNWEXPER	
.c:no self-completion quest	10739	
.m:Missing		288
1.strongly disagree		375
2.moderately disagree		388
3.slightly disagree		400
4.slightly agree		1385
5.moderately agree		2107
6.strongly agree		2787

Value-----	S8RNWEXPER	
.c:no self-completion quest	6538	
.m:Missing		156
.u:not coupled		6424
.v:SP NR		317
1.strongly disagree		246
2.moderately disagree		260
3.slightly disagree		255
4.slightly agree		931
5.moderately agree		1494
6.strongly agree		1848

Value-----	R8RGIMPROV	
.c:no self-completion quest	10739	
.m:Missing		237
1.strongly disagree		2679
2.moderately disagree		1555
3.slightly disagree		972
4.slightly agree		1084
5.moderately agree		750
6.strongly agree		453

Value-----	S8RGIMPROV	
.c:no self-completion quest	6538	
.m:Missing		123
.u:not coupled		6424
.v:SP NR		317
1.strongly disagree		1843
2.moderately disagree		1142
3.slightly disagree		658
4.slightly agree		706
5.moderately agree		455
6.strongly agree		263

Value-----	R8RNXPNDHRZ	
.c:no self-completion quest	10739	
.m:Missing		322
1.strongly disagree		2764
2.moderately disagree		1565
3.slightly disagree		1047
4.slightly agree		891
5.moderately agree		701
6.strongly agree		440

Value-----	S8RNXPNDHRZ	
.c:no self-completion quest	6538	
.m:Missing		172

.u:not coupled		6424
.v:SP NR		317
1.strongly disagree		1930
2.moderately disagree		1137
3.slightly disagree		696
4.slightly agree		559
5.moderately agree		440
6.strongly agree		256

Value-----	R8RNIMPR	
.c:no self-completion quest		10739
.m:Missing		259
1.strongly disagree		3175
2.moderately disagree		1617
3.slightly disagree		835
4.slightly agree		796
5.moderately agree		681
6.strongly agree		367

Value-----	S8RNIMPR	
.c:no self-completion quest		6538
.m:Missing		135
.u:not coupled		6424
.v:SP NR		317
1.strongly disagree		2180
2.moderately disagree		1153
3.slightly disagree		555
4.slightly agree		526
5.moderately agree		416
6.strongly agree		225

Value-----	R8RNEWSIT	
.c:no self-completion quest		10739
.m:Missing		233
1.strongly disagree		1033
2.moderately disagree		1264
3.slightly disagree		867
4.slightly agree		1866
5.moderately agree		1659
6.strongly agree		808

Value-----	S8RNEWSIT	
.c:no self-completion quest		6538
.m:Missing		121
.u:not coupled		6424
.v:SP NR		317
1.strongly disagree		666
2.moderately disagree		895
3.slightly disagree		604
4.slightly agree		1262
5.moderately agree		1162
6.strongly agree		480

Value-----	R8RDEVELP	
.c:no self-completion quest		10739
.m:Missing		228
1.strongly disagree		135
2.moderately disagree		219
3.slightly disagree		295
4.slightly agree		1159
5.moderately agree		2429
6.strongly agree		3265

Value-----	S8RDEVELP	
.c:no self-completion quest		6538
.m:Missing		115
.u:not coupled		6424
.v:SP NR		317
1.strongly disagree		81
2.moderately disagree		140
3.slightly disagree		196
4.slightly agree		768
5.moderately agree		1698
6.strongly agree		2192

Value-----	R8RLPRSNLTY	
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.c:no self-completion quest	10739
.m:Missing	195
1.strongly disagree	144
2.moderately disagree	192
3.slightly disagree	256
4.slightly agree	1138
5.moderately agree	3068
6.strongly agree	2737

Value-----	S8RLPRSNLTY
.c:no self-completion quest	6538
.m:Missing	101
.u:not coupled	6424
.v:SP NR	317
1.strongly disagree	99
2.moderately disagree	139
3.slightly disagree	168
4.slightly agree	754
5.moderately agree	2122
6.strongly agree	1807

Value-----	R8RPLSSTRY
.c:no self-completion quest	10739
.m:Missing	177
1.strongly disagree	320
2.moderately disagree	488
3.slightly disagree	613
4.slightly agree	1113
5.moderately agree	2496
6.strongly agree	2523

Value-----	S8RPLSSTRY
.c:no self-completion quest	6538
.m:Missing	92
.u:not coupled	6424
.v:SP NR	317
1.strongly disagree	179
2.moderately disagree	297
3.slightly disagree	377
4.slightly agree	721
5.moderately agree	1735
6.strongly agree	1789

Value-----	R8RDISACHV
.c:no self-completion quest	10739
.m:Missing	198
1.strongly disagree	2873
2.moderately disagree	1443
3.slightly disagree	713
4.slightly agree	1292
5.moderately agree	887
6.strongly agree	324

Value-----	S8RDISACHV
.c:no self-completion quest	6538
.m:Missing	108
.u:not coupled	6424
.v:SP NR	317
1.strongly disagree	2028
2.moderately disagree	1020
3.slightly disagree	460
4.slightly agree	852
5.moderately agree	535
6.strongly agree	187

Value-----	R8RCONFPOS
.c:no self-completion quest	10739
.m:Missing	218
1.strongly disagree	208
2.moderately disagree	216
3.slightly disagree	280
4.slightly agree	1129
5.moderately agree	2267
6.strongly agree	3412

Value-----	S8RCONFPOS
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.c:no self-completion quest	6538
.m:Missing	112
.u:not coupled	6424
.v:SP NR	317
1.strongly disagree	133
2.moderately disagree	141
3.slightly disagree	164
4.slightly agree	739
5.moderately agree	1577
6.strongly agree	2324
Value-----	R8RFOTHMR
.c:no self-completion quest	10739
.m:Missing	252
1.strongly disagree	2335
2.moderately disagree	1506
3.slightly disagree	1123
4.slightly agree	1116
5.moderately agree	931
6.strongly agree	467
Value-----	S8RFOTHMR
.c:no self-completion quest	6538
.m:Missing	127
.u:not coupled	6424
.v:SP NR	317
1.strongly disagree	1627
2.moderately disagree	1086
3.slightly disagree	756
4.slightly agree	733
5.moderately agree	607
6.strongly agree	254
Value-----	R8RATNPOS
.c:no self-completion quest	10739
.m:Missing	267
1.strongly disagree	2121
2.moderately disagree	1415
3.slightly disagree	850
4.slightly agree	1240
5.moderately agree	1277
6.strongly agree	560
Value-----	S8RATNPOS
.c:no self-completion quest	6538
.m:Missing	146
.u:not coupled	6424
.v:SP NR	317
1.strongly disagree	1490
2.moderately disagree	1021
3.slightly disagree	565
4.slightly agree	833
5.moderately agree	819
6.strongly agree	316
Value-----	R8RFLGOOD
.c:no self-completion quest	10739
.m:Missing	230
1.strongly disagree	198
2.moderately disagree	195
3.slightly disagree	352
4.slightly agree	1189
5.moderately agree	2357
6.strongly agree	3209
Value-----	S8RFLGOOD
.c:no self-completion quest	6538
.m:Missing	124
.u:not coupled	6424
.v:SP NR	317
1.strongly disagree	118
2.moderately disagree	122
3.slightly disagree	246
4.slightly agree	780
5.moderately agree	1679
6.strongly agree	2121

## How Constructed:

The following variables pertain to the respondent's Ryff's Psychological Well-being responses. The respondent is given the following prompt, "Please indicate how strongly you agree or disagree with each of the following statements."

RwRPLNFUT, RwRACTTRV, RwRACTPLN, RWRNSNSACC, RWRDONALL, RwRLIVONED, and RWRNSNSDIR indicate how much the respondent agrees with specific statements about their purpose of life.

RwRPLNFUT indicates how much the respondent agrees with the statement "I enjoy making plans for the future and working to make them a reality." This question was included in the HRS psychosocial leave-behind survey starting in Wave 7.

RwRACTTRV indicates how much the respondent agrees with the statement "My daily activities often seem trivial and unimportant to me." This question was included in the HRS psychosocial leave-behind survey starting in Wave 8.

RwRACTPLN indicates how much the respondent agrees with the statement "I am an active person in carrying out the plans I set for myself." This question was included in the HRS psychosocial leave-behind survey starting in Wave 8.

RWRNSNSACC indicates how much the respondent agrees with the statement "I don't have a good sense of what it is I'm trying to accomplish in life." This question was included in the HRS psychosocial leave-behind survey starting in Wave 8.

RWRDONALL indicates how much the respondent agrees with the statement "I sometimes feel as if I've done all there is to in life." This question was included in the HRS psychosocial leave-behind survey starting in Wave 7.

RwRLIVONED indicates how much the respondent agrees with the statement "I live life one day at a time and don't really think about the future." This question was included in the HRS psychosocial leave-behind survey starting in Wave 7.

RWRNSNSDIR indicates how much the respondent agrees with the statement "I have a sense of direction and purpose in life." This question was included in the HRS psychosocial leave-behind survey starting in Wave 8.

RwRPLNFUT, RwRACTTRV, RwRACTPLN, RWRNSNSACC, RWRDONALL, RwRLIVONED, and RWRNSNSDIR are coded as follows: 1.Strongly disagree, 2.Moderately disagree, 3.Slightly disagree, 4.Slightly agree, 5.Moderately agree, and 6.Strongly agree. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not did not return their survey are assigned special missing code .c. In Wave 7, not everyone who completed the self-completion questionnaire received a psychosocial survey, and in these cases RwRPLNFUT, RwRACTTRV, RwRACTPLN, RWRNSNSACC, RWRDONALL, RwRLIVONED, and RWRNSNSDIR are assigned special missing value .s. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwLFPRPS is a 7-item purpose of life index. In order to calculate this summary score, RwRACTTRV, RWRNSNSACC, RWRDONALL and RwRLIVONED are reverse-coded to have the same directionality of RwRPLNFUT, RwRACTPLN, and RWRNSNSDIR. RwLFPRPS is the mean of RwRPLNFUT, RwRACTTRV, RwRACTPLN, RWRNSNSACC, RWRDONALL, RwRLIVONED, and RWRNSNSDIR. RwLFPRPSM is the count of the number of missing components for this summary. RwLFPRPS is set to .m if 4 or more items have missing values, that is RwLFPRPSM ranges from 4 to 7. These questions are asked in the psychosocial leave-behind survey which was provided to a sub-sample of respondents at Wave 7 and to each half-sample of respondents every two waves starting at Wave 8, respectively. Respondents who were not part of the leave-behind sample or did not did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwRPLNFUT, SwRACTTRV, SwRACTPLN, SwRNSNSACC, SwRDONALL, SwRLIVONED, and SwRSNSDIR indicate how much the respondent's spouse agrees with specific statements about their purpose in life and are taken directly



from the corresponding respondent variables. SwLFPRPS and SwLFPRPSM are summary scores for the respondent's spouse's feelings about their purpose in life, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwRNXPNDRZ, RwrNWEXPER, RwrRIMPR, RwrRDEVELP, RwrRNEWSIT, RwrRGIMPROV, and RwrRPRLEARN indicate how much the respondent agrees with specific statements about their personal growth. These questions are only included in the HRS psychosocial leave-behind survey at Wave 8.

RwRNXPNDRZ indicates how much the respondent agrees with the statement "I am not interested in activities that will expand my horizons."

RwrNWEXPER indicates how much the respondent agrees with the statement "I think it is important to have new experiences that challenge how I think about myself and the world."

RwrRIMPR indicates how much the respondent agrees with the statement "When I think about it, I haven't really improved much as a person over the years."

RwrRDEVELP indicates how much the respondent agrees with the statement "I have the sense that I have developed a lot as a person over time."

RwrRNEWSIT indicates how much the respondent agrees with the statement "I do not enjoy being in new situations that require me to change my old familiar ways of doing things."

RwrRGIMPROV indicates how much the respondent agrees with the statement "I gave up trying to make big improvements or changes in my life a long time ago."

RwrRPRLEARN indicates how much the respondent agrees with the statement "For me, life has been a continuous process of learning, changing, and growth."

RwRNXPNDRZ, RwrNWEXPER, RwrRIMPR, RwrRDEVELP, RwrRNEWSIT, RwrRGIMPROV, and RwrRPRLEARN are coded as follows: 1.Strongly disagree, 2.Moderately disagree, 3.Slightly disagree, 4.Slightly agree, 5.Moderately agree, and 6.Strongly agree. The psychosocial leave-behind survey was provided to each half-sample of respondents every two waves starting at Wave 8. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwPRSNLGR is a 7-item personal growth index. In order to calculate this summary score, RwrRNXPNDRZ, RwrRIMPR, RwrRNEWSIT, and RwrRGIMPROV are reverse-coded to have the same directionality of RwrNWEXPER, RwrRDEVELP, and RwrRPRLEARN. RwPRSNLGR is the mean of RwrRNXPNDRZ, RwrNWEXPER, RwrRIMPR, RwrRDEVELP, RwrRNEWSIT, RwrRGIMPROV, and RwrRPRLEARN. RwPRSNLGRM is the count of the number of missing components for this summary. RwPRSNLGR is set to .m if 4 or more items have missing values, that is RwPRSNLGRM ranges from 4 to 7. The psychosocial leave-behind survey was provided to each half-sample of respondents every two waves starting at Wave 8. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwRNXPNDRZ, SwrNWEXPER, SwrRIMPR, SwrRDEVELP, SwrRNEWSIT, SwrRGIMPROV, and SwrRPRLEARN indicate how much the respondent's spouse agrees with specific statements about their personal growth and are taken directly from the corresponding respondent variables. SwPRSNLGR and SwPRSNLGRM are summary scores for the respondent's spouse's feelings about their personal growth, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwRLPRSNLTY, RwrRPLSSTRY, RwrRDISACHV, RwrRCONFPOS, RwrRFOTHMR, RwrRATTNPOS, and RwrRFLGOOD indicate how much the respondent agrees with specific statements about their self-acceptance. These questions are only included in the HRS psychosocial leave-behind survey at Wave 8.

RwRLPRSNTY indicates how much the respondent agrees with the statement "I like most parts of my personality."

RwRPLSSTRY indicates how much the respondent agrees with the statement "When I look at the story of my life, I am pleased with how things have turned out so far."

RwRDISACHV indicates how much the respondent agrees with the statement "In many ways, I feel disappointed about my achievements in life."

RwRCONFPOS indicates how much the respondent agrees with the statement "In general, I feel confident and positive about myself."

RwRFOTHMR indicates how much the respondent agrees with the statement "I feel like many of the people I know have gotten more out of life than I have."

RwRATTNPOS indicates how much the respondent agrees with the statement "My attitude about myself is probably not as positive as most people feel about themselves."

RwRFLGOOD indicates how much the respondent agrees with the statement "When I compare myself to friends and acquaintances, it makes me feel good about who I am."

RwRLPRSNTY, RwRPLSSTRY, RwRDISACHV, RwRCONFPOS, RwRFOTHMR, RwRATTNPOS, and RwRFLGOOD are coded as follows: 1.Strongly disagree, 2.Moderately disagree, 3.Slightly disagree, 4.Slightly agree, 5.Moderately agree, and 6.Strongly agree. The psychosocial leave-behind survey was provided to each half-sample of respondents every two waves starting at Wave 8. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwSLFACPT is a 7-item self-acceptance index. In order to calculate this summary score, RwRFOTHMR, RwRATTNPOS, and RwRDISACHV are reverse-coded to have the same directionality of RwRLPRSNTY, RwRPLSSTRY, RwRCONFPOS, and RwRFLGOOD. RwSLFACPT is the mean of RwRLPRSNTY, RwRPLSSTRY, RwRDISACHV, RwRCONFPOS, RwRFOTHMR, RwRATTNPOS, and RwRFLGOOD. RwSLFACPTM is the count of the number of missing components for this summary. RwSLFACPT is set to .m if 4 or more items have missing values, that is RwSLFACPTM ranges from 4 to 7. The psychosocial leave-behind survey was provided to each half-sample of respondents every two waves starting at Wave 8. Respondents who were not part of the leave-behind sample or did not return their survey are assigned special missing code .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwRLPRSNTY, SwRPLSSTRY, SwRDISACHV, SwRCONFPOS, SwRFOTHMR, SwRATTNPOS, and SwRFLGOOD indicate how much the respondent's spouse agrees with specific statements about their self-acceptance and are taken directly from the corresponding respondent variables. SwSLFACPT and SwSLFACPTM are summary scores for the respondent's spouse's feelings about their self-acceptance, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Three questions related to purpose of life were added to HRS leave-behind survey starting in Wave 7: enjoying making plans for the future, feeling they have done all there is to in life, and living life one day at a time. Four additional questions related to purpose of life were added starting in Wave 8: feeling that daily activities often seem trivial, carrying out plans they have set for themselves, feeling they have no sense of what they're trying to accomplish, and having a sense of direction in life.

In Wave 7, those eligible for a self-completion questionnaire were split between receiving a psychosocial questionnaire and a disability questionnaire. As such, these variables use a special missing .s in Wave 7 if the respondent was asked to complete the disability questionnaire and not the psychosocial questionnaire.

Questions related to personal growth and self-acceptance were only included in the HRS leave-behind survey at Wave 8. For this reason, a personal growth index and self-acceptance index can only be generated for Wave 8.

### HRS Variables Used:

#### Wave 7:

JLB506F q6f. not thinking about the future  
 JLB506G q6g. enjoy making plans for the future  
 JLB506I q6i. done all there is to do in life

#### Wave 8:

KLB035A q35a. enjoy making plans for the future  
 KLB035B q35b. daily activities seem trivial  
 KLB035C q35c. active in carrying out own plans  
 KLB035D q35d. no good sense trying to accomplish  
 KLB035E q35e. done all there is to do in life  
 KLB035F q35f. live life one day at a time  
 KLB035G q35g. have a sense of direction in life  
 KLB035H q35h. not interested in activities  
 KLB035I q35i. important to have new experiences  
 KLB035J q35j. not really improved much over yrs  
 KLB035K q35k. developed a lot over time  
 KLB035L q35l. do not enjoy new situations  
 KLB035M q35m. gave up trying to make changes  
 KLB035N q35n. life has been a process of growth  
 KLB035O q35o. others got more out of life  
 KLB035P q35p. feel confident about self  
 KLB035Q q35q. feel good comparing self to friend  
 KLB035R q35r. attitude not as positive as others  
 KLB035S q35s. disappointed about achievements  
 KLB035T q35t. pleased with how things turned out  
 KLB035U q35u. like most parts of my personality

#### Wave 9:

LLB035A q35a. enjoy making plans for the future  
 LLB035B q35b. daily activities seem trivial  
 LLB035C q35c. active in carrying out own plans  
 LLB035D q35d. no good sense trying to accomplish  
 LLB035E q35e. done all there is to do in life  
 LLB035F q35f. live life one day at a time  
 LLB035G q35g. have a sense of direction in life

#### Wave 10:

MLB035A q35a. enjoy making plans for the future  
 MLB035B q35b. daily activities seem trivial  
 MLB035C q35c. active in carrying out own plans  
 MLB035D q35d. no good sense trying to accomplish  
 MLB035E q35e. done all there is to do in life  
 MLB035F q35f. live life one day at a time  
 MLB035G q35g. have a sense of direction in life

#### Wave 11:

NLB035A q35\_a. enjoy making plans for the future  
 NLB035B q35\_b. daily activities seem trivial  
 NLB035C q35\_c. active in carrying out own plans  
 NLB035D q35\_d. no good sense trying to accomplish  
 NLB035E q35\_e. done all there is to do in life  
 NLB035F q35\_f. live life one day at a time  
 NLB035G q35\_g. have a sense of direction in life

#### Wave 12:

OLB033A q33\_1. enjoy making plans for the future  
 OLB033B q33\_2. daily activities seem trivial  
 OLB033C q33\_3. active in carrying out own plans  
 OLB033D q33\_4. no good sense trying to accomplish  
 OLB033E q33\_5. done all there is to do in life  
 OLB033F q33\_6. live life one day at a time

OLB033G q33\_7. have a sense of direction in life

Wave 13:

PLB033A q33\_1. enjoy making plans for the future

PLB033B q33\_2. daily activities seem trivial

PLB033C q33\_3. active in carrying out own plans

PLB033D q33\_4. no good sense trying to accomplish

PLB033E q33\_5. done all there is to do in life

PLB033F q33\_6. live life one day at a time

PLB033G q33\_7. have a sense of direction in life

Wave 14:

QLB033A q33a. enjoy making plans

QLB033B q33b. daily activities seem trivial

QLB033C q33c. active carrying out own plans

QLB033D q33d. no sense what trying

QLB033E q33e. done all in life

QLB033F q33f. live life one day at a time

QLB033G q33g. have direction in life

Wave 15:

RLB033A q33a. enjoy making plans

RLB033B q33b. daily activities seem trivial

RLB033C q33c. active carrying out own plans

RLB033D q33d. no sense what trying

RLB033E q33e. done all in life

RLB033F q33f. live life one day at a time

RLB033G q33g. have direction in life

<b>Day Reconstruction: Characteristics of the Day and Self-Reported Health Yesterday</b>
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Wave	Variable	Label	Type
11	R11DRDAY	r11drday:w11 Day Reconstruction: r day of the week	Categ
12	R12DRDAY	r12drday:w12 Day Reconstruction: r day of the week	Categ
13	R13DRDAY	r13drday:w13 Day Reconstruction: r day of the week	Categ
14	R14DRDAY	r14drday:w14 Day Reconstruction: r day of the week	Categ
15	R15DRDAY	r15drday:w15 Day Reconstruction: r day of the week	Categ
11	S11DRDAY	s11drday:w11 Day Reconstruction: s day of the week	Categ
12	S12DRDAY	s12drday:w12 Day Reconstruction: s day of the week	Categ
13	S13DRDAY	s13drday:w13 Day Reconstruction: s day of the week	Categ
14	S14DRDAY	s14drday:w14 Day Reconstruction: s day of the week	Categ
15	S15DRDAY	s15drday:w15 Day Reconstruction: s day of the week	Categ
11	R11DRWAKETM	r11drwaketm:w11 Day Reconstruction: r wake up time	Categ
12	R12DRWAKETM	r12drwaketm:w12 Day Reconstruction: r wake up time	Categ
13	R13DRWAKETM	r13drwaketm:w13 Day Reconstruction: r wake up time	Categ
14	R14DRWAKETM	r14drwaketm:w14 Day Reconstruction: r wake up time	Categ
15	R15DRWAKETM	r15drwaketm:w15 Day Reconstruction: r wake up time	Categ
11	S11DRWAKETM	s11drwaketm:w11 Day Reconstruction: s wake up time	Categ
12	S12DRWAKETM	s12drwaketm:w12 Day Reconstruction: s wake up time	Categ
13	S13DRWAKETM	s13drwaketm:w13 Day Reconstruction: s wake up time	Categ
14	S14DRWAKETM	s14drwaketm:w14 Day Reconstruction: s wake up time	Categ
15	S15DRWAKETM	s15drwaketm:w15 Day Reconstruction: s wake up time	Categ
11	R11DRSLEEPTM	r11drsleeptm:w11 Day Reconstruction: r sleep time	Categ
12	R12DRSLEEPTM	r12drsleeptm:w12 Day Reconstruction: r sleep time	Categ
13	R13DRSLEEPTM	r13drsleeptm:w13 Day Reconstruction: r sleep time	Categ
14	R14DRSLEEPTM	r14drsleeptm:w14 Day Reconstruction: r sleep time	Categ
15	R15DRSLEEPTM	r15drsleeptm:w15 Day Reconstruction: r sleep time	Categ
11	S11DRSLEEPTM	s11drsleeptm:w11 Day Reconstruction: s sleep time	Categ
12	S12DRSLEEPTM	s12drsleeptm:w12 Day Reconstruction: s sleep time	Categ
13	S13DRSLEEPTM	s13drsleeptm:w13 Day Reconstruction: s sleep time	Categ
14	S14DRSLEEPTM	s14drsleeptm:w14 Day Reconstruction: s sleep time	Categ
15	S15DRSLEEPTM	s15drsleeptm:w15 Day Reconstruction: s sleep time	Categ
11	R11DRDATEMON	r11drdatemon:w11 Day Reconstruction: r month of the year	Categ
12	R12DRDATEMON	r12drdatemon:w12 Day Reconstruction: r month of the year	Categ
13	R13DRDATEMON	r13drdatemon:w13 Day Reconstruction: r month of the year	Categ
14	R14DRDATEMON	r14drdatemon:w14 Day Reconstruction: r month of the year	Categ
15	R15DRDATEMON	r15drdatemon:w15 Day Reconstruction: r month of the year	Categ
11	S11DRDATEMON	s11drdatemon:w11 Day Reconstruction: s month of the year	Categ
12	S12DRDATEMON	s12drdatemon:w12 Day Reconstruction: s month of the year	Categ
13	S13DRDATEMON	s13drdatemon:w13 Day Reconstruction: s month of the year	Categ
14	S14DRDATEMON	s14drdatemon:w14 Day Reconstruction: s month of the year	Categ
15	S15DRDATEMON	s15drdatemon:w15 Day Reconstruction: s month of the year	Categ
11	R11DRDATEDAY	r11drdateday:w11 Day Reconstruction: r day of the month	Cont
12	R12DRDATEDAY	r12drdateday:w12 Day Reconstruction: r day of the month	Cont
13	R13DRDATEDAY	r13drdateday:w13 Day Reconstruction: r day of the month	Cont
14	R14DRDATEDAY	r14drdateday:w14 Day Reconstruction: r day of the month	Cont
15	R15DRDATEDAY	r15drdateday:w15 Day Reconstruction: r day of the month	Cont
11	S11DRDATEDAY	s11drdateday:w11 Day Reconstruction: s day of the month	Cont
12	S12DRDATEDAY	s12drdateday:w12 Day Reconstruction: s day of the month	Cont
13	S13DRDATEDAY	s13drdateday:w13 Day Reconstruction: s day of the month	Cont

14	S14DRDATEDAY	s14drdateday:w14	Day Reconstruction: s	day of the month	Cont
15	S15DRDATEDAY	s15drdateday:w15	Day Reconstruction: s	day of the month	Cont
11	R11DRWLRSTD	r11drwlrstd:w11	Day Reconstruction: r	felt well-rested	Categ
12	R12DRWLRSTD	r12drwlrstd:w12	Day Reconstruction: r	felt well-rested	Categ
13	R13DRWLRSTD	r13drwlrstd:w13	Day Reconstruction: r	felt well-rested	Categ
14	R14DRWLRSTD	r14drwlrstd:w14	Day Reconstruction: r	felt well-rested	Categ
15	R15DRWLRSTD	r15drwlrstd:w15	Day Reconstruction: r	felt well-rested	Categ
11	S11DRWLRSTD	s11drwlrstd:w11	Day Reconstruction: s	felt well-rested	Categ
12	S12DRWLRSTD	s12drwlrstd:w12	Day Reconstruction: s	felt well-rested	Categ
13	S13DRWLRSTD	s13drwlrstd:w13	Day Reconstruction: s	felt well-rested	Categ
14	S14DRWLRSTD	s14drwlrstd:w14	Day Reconstruction: s	felt well-rested	Categ
15	S15DRWLRSTD	s15drwlrstd:w15	Day Reconstruction: s	felt well-rested	Categ
11	R11DRNRMLDAY	r11drnrmlday:w11	Day Reconstruction: r	yesterday normal day	Categ
12	R12DRNRMLDAY	r12drnrmlday:w12	Day Reconstruction: r	yesterday normal day	Categ
13	R13DRNRMLDAY	r13drnrmlday:w13	Day Reconstruction: r	yesterday normal day	Categ
14	R14DRNRMLDAY	r14drnrmlday:w14	Day Reconstruction: r	yesterday normal day	Categ
15	R15DRNRMLDAY	r15drnrmlday:w15	Day Reconstruction: r	yesterday normal day	Categ
11	S11DRNRMLDAY	s11drnrmlday:w11	Day Reconstruction: s	yesterday normal day	Categ
12	S12DRNRMLDAY	s12drnrmlday:w12	Day Reconstruction: s	yesterday normal day	Categ
13	S13DRNRMLDAY	s13drnrmlday:w13	Day Reconstruction: s	yesterday normal day	Categ
14	S14DRNRMLDAY	s14drnrmlday:w14	Day Reconstruction: s	yesterday normal day	Categ
15	S15DRNRMLDAY	s15drnrmlday:w15	Day Reconstruction: s	yesterday normal day	Categ
11	R11DRHLTHYES	r11drhlthyes:w11	Day Reconstruction: r	health yesterday	Categ
12	R12DRHLTHYES	r12drhlthyes:w12	Day Reconstruction: r	health yesterday	Categ
13	R13DRHLTHYES	r13drhlthyes:w13	Day Reconstruction: r	health yesterday	Categ
14	R14DRHLTHYES	r14drhlthyes:w14	Day Reconstruction: r	health yesterday	Categ
15	R15DRHLTHYES	r15drhlthyes:w15	Day Reconstruction: r	health yesterday	Categ
11	S11DRHLTHYES	s11drhlthyes:w11	Day Reconstruction: s	health yesterday	Categ
12	S12DRHLTHYES	s12drhlthyes:w12	Day Reconstruction: s	health yesterday	Categ
13	S13DRHLTHYES	s13drhlthyes:w13	Day Reconstruction: s	health yesterday	Categ
14	S14DRHLTHYES	s14drhlthyes:w14	Day Reconstruction: s	health yesterday	Categ
15	S15DRHLTHYES	s15drhlthyes:w15	Day Reconstruction: s	health yesterday	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R11DRDAY	7214	3.88	2.04	1.00	7.00
R12DRDAY	7355	3.87	2.06	1.00	7.00
R13DRDAY	6275	3.89	2.07	1.00	7.00
R14DRDAY	5642	3.92	2.06	1.00	7.00
R15DRDAY	4591	3.72	2.09	1.00	7.00
S11DRDAY	4546	3.90	2.03	1.00	7.00
S12DRDAY	4553	3.88	2.05	1.00	7.00
S13DRDAY	3736	3.93	2.09	1.00	7.00
S14DRDAY	3346	3.97	2.07	1.00	7.00
S15DRDAY	2636	3.78	2.10	1.00	7.00
R11DRWAKETM	6711	24762.43	7084.11	0.00	85800.00
R12DRWAKETM	6778	24642.48	6893.01	0.00	85500.00
R13DRWAKETM	5848	24684.61	7430.43	0.00	85680.00
R14DRWAKETM	5277	24472.42	6962.60	0.00	84600.00
R15DRWAKETM	4277	25198.32	7265.64	0.00	84120.00
S11DRWAKETM	4275	24593.82	6672.79	0.00	84600.00
S12DRWAKETM	4216	24576.38	6651.16	0.00	85500.00

S13DRWAKETM	3512	24571.78	7236.80	0.00	84600.00
S14DRWAKETM	3161	24397.15	6662.97	0.00	84600.00
S15DRWAKETM	2477	25148.14	7152.21	1200.00	79200.00
R11DRSLEEPTM	6763	65637.92	29738.30	0.00	86340.00
R12DRSLEEPTM	6863	66350.63	29125.64	0.00	86340.00
R13DRSLEEPTM	5914	65174.32	29991.70	0.00	86340.00
R14DRSLEEPTM	5327	65024.15	29996.12	0.00	86340.00
R15DRSLEEPTM	4293	64925.77	29922.12	0.00	86340.00
S11DRSLEEPTM	4295	67231.00	28683.79	0.00	86340.00
S12DRSLEEPTM	4262	67504.17	28397.50	0.00	86340.00
S13DRSLEEPTM	3549	66663.94	29019.63	0.00	86340.00
S14DRSLEEPTM	3192	66810.23	28839.36	0.00	86340.00
S15DRSLEEPTM	2479	66809.75	28689.43	0.00	86340.00
R11DRDATEMON	7153	6.95	2.42	1.00	12.00
R12DRDATEMON	7295	5.96	2.39	1.00	12.00
R13DRDATEMON	6248	6.93	2.87	1.00	12.00
R14DRDATEMON	5600	6.61	2.43	1.00	12.00
R15DRDATEMON	4549	5.41	2.81	1.00	12.00
S11DRDATEMON	4517	7.02	2.44	1.00	12.00
S12DRDATEMON	4515	6.01	2.37	1.00	12.00
S13DRDATEMON	3729	7.01	2.88	1.00	12.00
S14DRDATEMON	3323	6.68	2.44	1.00	12.00
S15DRDATEMON	2617	5.35	2.85	1.00	12.00
R11DRDATEDAY	7138	15.50	8.65	1.00	31.00
R12DRDATEDAY	7251	15.44	8.65	1.00	31.00
R13DRDATEDAY	6234	15.61	8.67	1.00	31.00
R14DRDATEDAY	5591	15.51	8.61	1.00	31.00
R15DRDATEDAY	4538	16.14	8.89	1.00	31.00
S11DRDATEDAY	4516	15.49	8.66	1.00	31.00
S12DRDATEDAY	4494	15.51	8.64	1.00	31.00
S13DRDATEDAY	3714	15.66	8.72	1.00	31.00
S14DRDATEDAY	3322	15.62	8.67	1.00	31.00
S15DRDATEDAY	2609	16.35	8.96	1.00	31.00
R11DRWLRSTD	7265	0.72	0.45	0.00	1.00
R12DRWLRSTD	7412	0.74	0.44	0.00	1.00
R13DRWLRSTD	6251	0.72	0.45	0.00	1.00
R14DRWLRSTD	5629	0.74	0.44	0.00	1.00
R15DRWLRSTD	4591	0.73	0.44	0.00	1.00
S11DRWLRSTD	4566	0.74	0.44	0.00	1.00
S12DRWLRSTD	4569	0.74	0.44	0.00	1.00
S13DRWLRSTD	3727	0.73	0.44	0.00	1.00
S14DRWLRSTD	3339	0.75	0.43	0.00	1.00
S15DRWLRSTD	2632	0.75	0.44	0.00	1.00
R11DRNRMLDAY	7269	1.95	0.49	1.00	3.00
R12DRNRMLDAY	7430	1.94	0.51	1.00	3.00
R13DRNRMLDAY	6262	1.94	0.51	1.00	3.00
R14DRNRMLDAY	5622	1.93	0.51	1.00	3.00
R15DRNRMLDAY	4588	1.98	0.46	1.00	3.00
S11DRNRMLDAY	4565	1.95	0.49	1.00	3.00
S12DRNRMLDAY	4581	1.94	0.51	1.00	3.00
S13DRNRMLDAY	3729	1.93	0.50	1.00	3.00
S14DRNRMLDAY	3339	1.93	0.52	1.00	3.00
S15DRNRMLDAY	2632	1.96	0.46	1.00	3.00

R11DRHLTHYES	7295	2.69	1.03	1.00	5.00
R12DRHLTHYES	7438	2.69	1.02	1.00	5.00
R13DRHLTHYES	6282	2.67	1.01	1.00	5.00
R14DRHLTHYES	5638	2.61	1.02	1.00	5.00
R15DRHLTHYES	4594	2.65	1.01	1.00	5.00
S11DRHLTHYES	4577	2.59	1.02	1.00	5.00
S12DRHLTHYES	4586	2.62	1.02	1.00	5.00
S13DRHLTHYES	3737	2.58	1.00	1.00	5.00
S14DRHLTHYES	3345	2.52	1.01	1.00	5.00
S15DRHLTHYES	2635	2.56	0.98	1.00	5.00

### Categorical Variable Codes

Value-----	R11DRDAY	R12DRDAY	R13DRDAY	R14DRDAY	R15DRDAY
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	198	186	95	97	79
1.Monday	1118	1198	1042	915	880
2.Tuesday	1161	1143	941	826	753
3.Wednesday	1075	1134	944	858	712
4.Thursday	985	972	861	768	580
5.Friday	929	895	723	662	465
6.Saturday	849	847	744	710	485
7.Sunday	1097	1166	1020	903	716

Value-----	S11DRDAY	S12DRDAY	S13DRDAY	S14DRDAY	S15DRDAY
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	90	82	44	52	32
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Monday	697	725	621	522	497
2.Tuesday	728	710	537	486	403
3.Wednesday	671	714	556	504	421
4.Thursday	595	594	497	442	321
5.Friday	613	560	437	403	279
6.Saturday	563	536	453	435	285
7.Sunday	679	714	635	554	430

Value-----	R11DRDATEMON	R12DRDATEMON	R13DRDATEMON	R14DRDATEMON	R15DRDATEMON
.c:no self-completion quest	13142	11206	14542	11407	11053
.i:invalid answer	18	19			
.m:Missing	241	227	122	139	121
1.January	240	108	340	203	260
2.February	175	101	215	135	932
3.March	100	623	228	84	403
4.April	102	1484	238	168	332
5.May	1242	1320	854	1285	232
6.June	1351	1130	918	1188	177
7.July	1224	812	829	831	709
8.August	919	518	776	549	990
9.September	732	415	538	377	344
10.October	429	386	509	335	128
11.November	385	233	445	234	29
12.December	254	165	358	211	13

Value-----	S11DRDATEMON	S12DRDATEMON	S13DRDATEMON	S14DRDATEMON	S15DRDATEMON
.c:no self-completion quest	7840	6377	7998	5960	5798
.i:invalid answer	9	11			
.m:Missing	110	109	51	75	51
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.January	151	74	194	122	160
2.February	107	56	137	79	567
3.March	78	330	141	44	233
4.April	67	868	139	83	179
5.May	693	851	462	721	118
6.June	851	766	524	717	83
7.July	772	500	501	521	415
8.August	601	336	482	337	576
9.September	493	263	327	228	193
10.October	286	218	331	185	66



11.November		264	145	262	143	18
12.December		154	108	229	143	9
Value-----		R11DRWLRSTD	R12DRWLRSTD	R13DRWLRSTD	R14DRWLRSTD	R15DRWLRSTD
.c:no self-completion quest		13142	11206	14542	11407	11053
.m:Missing		147	129	119	110	79
0.No		2001	1962	1736	1488	1231
1.Yes		5264	5450	4515	4141	3360
Value-----		S11DRWLRSTD	S12DRWLRSTD	S13DRWLRSTD	S14DRWLRSTD	S15DRWLRSTD
.c:no self-completion quest		7840	6377	7998	5960	5798
.m:Missing		70	66	53	59	36
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
0.No		1186	1170	992	824	671
1.Yes		3380	3399	2735	2515	1961
Value-----		R11DRNRMLDAY	R12DRNRMLDAY	R13DRNRMLDAY	R14DRNRMLDAY	R15DRNRMLDAY
.c:no self-completion quest		13142	11206	14542	11407	11053
.m:Missing		143	111	108	117	82
1.Day included unusually go		1068	1204	999	942	546
2.Just a normal day		5473	5461	4614	4114	3596
3.Day included unusually ba		728	765	649	566	446
Value-----		S11DRNRMLDAY	S12DRNRMLDAY	S13DRNRMLDAY	S14DRNRMLDAY	S15DRNRMLDAY
.c:no self-completion quest		7840	6377	7998	5960	5798
.m:Missing		71	54	51	59	36
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.Day included unusually go		653	736	600	578	327
2.Just a normal day		3471	3395	2775	2433	2071
3.Day included unusually ba		441	450	354	328	234
Value-----		R11DRHLTHYES	R12DRHLTHYES	R13DRHLTHYES	R14DRHLTHYES	R15DRHLTHYES
.c:no self-completion quest		13142	11206	14542	11407	11053
.m:Missing		117	103	88	101	76
1.Excellent		907	911	769	791	555
2.Very Good		2356	2398	2071	1895	1602
3.Good		2388	2469	2105	1824	1472
4.Fair		1362	1399	1127	957	820
5.Poor		282	261	210	171	145
Value-----		S11DRHLTHYES	S12DRHLTHYES	S13DRHLTHYES	S14DRHLTHYES	S15DRHLTHYES
.c:no self-completion quest		7840	6377	7998	5960	5798
.m:Missing		59	49	43	53	33
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.Excellent		653	619	523	526	343
2.Very Good		1608	1590	1322	1220	1014
3.Good		1436	1456	1219	1023	802
4.Fair		745	778	561	484	418
5.Poor		135	143	112	92	58

## How Constructed:

The following variables pertain to the respondent's experience yesterday. The respondent is given the following prompt, "Now, please pause briefly to think about yesterday, from the morning until the end of the day. Think about where you were, what you were doing, who you were with, and how you felt."

RwDRDAY indicates the day of the week yesterday, and is coded as follows: 1.Monday, 2.Tuesday, 3.Wednesday, 4.Thursday, 5.Friday, 6.Saturday, 7.Sunday.

RwDRWAKETM and RwDRSLEEPTM indicate the time the respondent woke up and went to sleep at the end of the day yesterday, respectively, and are provided as continuous values.

RwDRDATEMON indicates the month of yesterday's date, and is coded as follows: 1.January, 2.February, 3.March, 4.April, 5.May, 6.June, 7.July, 8.August, 9.September, 10.October, 11.November, 12.December.

RwDRDATEDAY indicates the day of yesterday's date, and is provided as a continuous value.

RwDRWLRSTD indicates whether the respondent felt well-rested yesterday morning (that is they slept well the night before). RwDRWLRSTD is coded as 0 for no, and 1 for yes.

RwDRNRMLDAY indicates whether yesterday was a normal day for the respondent or if something unusual happened. RwDRNRMLDAY is coded as follows: 1.No, my day included unusually good things, 2.Yes, just a normal day, 3.No, my day included unusually bad (stressful) things.

RwDRHLTHYES indicates the respondent's self-reported rating of their health yesterday, and is coded as follows: 1.Excellent, 2.Very good, 3.Good, 4.Fair, 5.Poor.

These questions were added to the HRS psychosocial leave-behind survey starting at Wave 11. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. RwDRDATEMON and RwDRDATEDAY are assigned special missing code .i in Waves 11 and 12 if an invalid month or day was provided. For all variables, don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwDRDAY, SwDRWAKETM, SwDRSLEEPTM, SwDRDATEMON, SwDRDATEDAY, SwDRWLRSTD, SwDRNRMLDAY, and SwDRHLTHYES are variables indicating the respondent's spouse's experience yesterday, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to characteristics of the day and self-reported health yesterday were added to HRS leave-behind survey starting in Wave 11.

In Waves 11 and 12, invalid month and date values are present in the data and are assigned special missing code .i.

## HRS Variables Used:

### Wave 11:

NLB045	q45. day of the week yesterday
NLB046_DA	q46_da. date yesterday - day
NLB046_MO	q46_mo. date yesterday - month
NLB047_AP	q47_ap. time woke up yesterday - am or pm
NLB047_HR	q47_hr. time woke up yesterday - hour
NLB047_MI	q47_mi. time woke up yesterday - minute
NLB048_AP	q48_ap. time went to sleep yesterday - am or pm
NLB048_HR	q48_hr. time went to sleep yesterday - hour
NLB048_MI	q48_mi. time went to sleep yesterday - minute
NLB051	q51. felt well-rested yesterday
NLB052	q52. how health was yesterday
NLB053	q53. something unusual yesterday

### Wave 12:

OLB038	q38. day of the week yesterday
OLB039_DA	q39_da. date yesterday - day
OLB039_MO	q39_mo. date yesterday - month
OLB040_AP	q40_ap. time woke up yesterday - am or pm
OLB040_HR	q40_hr. time woke up yesterday - hour
OLB040_MI	q40_mi. time woke up yesterday - minute
OLB041_AP	q41_ap. time went to sleep yesterday - am or pm
OLB041_HR	q41_hr. time went to sleep yesterday - hour
OLB041_MI	q41_mi. time went to sleep yesterday - minute
OLB044	q44. felt well-rested yesterday
OLB045	q45. how health was yesterday
OLB046	q46. something unusual yesterday

### Wave 13:

PLB038	q38. day of the week yesterday
PLB039_DA	q39_da. date yesterday - day

PLB039\_MO q39\_mo. date yesterday - month  
 PLB040\_AP q40\_ap. time woke up yesterday - am or pm  
 PLB040\_HR q40\_hr. time woke up yesterday - hour  
 PLB040\_MI q40\_mi. time woke up yesterday - minute  
 PLB041\_AP q41\_ap. time went to sleep yesterday - am or pm  
 PLB041\_HR q41\_hr. time went to sleep yesterday - hour  
 PLB041\_MI q41\_mi. time went to sleep yesterday - minute  
 PLB044 q44. felt well-rested yesterday  
 PLB045 q45. how health was yesterday  
 PLB046 q46. something unusual yesterday

## Wave 14:

QLB038 q38. day of the week yesterday  
 QLB039\_DA q39\_da. date yesterday  
 QLB039\_MO q39\_mo. month yesterday  
 QLB040\_AP q40\_ap. woke up - am/pm  
 QLB040\_HR q40\_hr. hour  
 QLB040\_MI q40\_min. minutes  
 QLB041\_AP q41\_ap. go to sleep - am/pm  
 QLB041\_HR q41\_hr. hour  
 QLB041\_MI q41\_min. minutes  
 QLB044 q44. felt well-rested  
 QLB045 q45. how health was  
 QLB046 q46. something unusual

## Wave 15:

RLB039 q39. day of the week yesterday  
 RLB040\_DA q40\_dy. date yesterday  
 RLB040\_MO q40\_mo. month yesterday  
 RLB041\_AP q41\_am. woke up - am/pm yesterday  
 RLB041\_HR q41\_hr. hour woke up yesterday  
 RLB041\_MI q41\_min. minutes woke up yesterday  
 RLB042\_AP q42\_am. sleep - am/pm yesterday  
 RLB042\_HR q42\_hr. hour sleep yesterday  
 RLB042\_MI q42\_min. minutes sleep yesterday  
 RLB045 q45. felt well-rested  
 RLB046 q46. how health was  
 RLB047 q47. something unusual

<b>Day Reconstruction: Overall Experienced Well-being Yesterday</b>
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Wave	Variable	Label	Type
11	R11YDFRUST	r11ydfrust:w11 Well-Being Yesterday: r frustrated	Categ
12	R12YDFRUST	r12ydfrust:w12 Well-Being Yesterday: r frustrated	Categ
13	R13YDFRUST	r13ydfrust:w13 Well-Being Yesterday: r frustrated	Categ
14	R14YDFRUST	r14ydfrust:w14 Well-Being Yesterday: r frustrated	Categ
15	R15YDFRUST	r15ydfrust:w15 Well-Being Yesterday: r frustrated	Categ
11	S11YDFRUST	s11ydfrust:w11 Well-Being Yesterday: s frustrated	Categ
12	S12YDFRUST	s12ydfrust:w12 Well-Being Yesterday: s frustrated	Categ
13	S13YDFRUST	s13ydfrust:w13 Well-Being Yesterday: s frustrated	Categ
14	S14YDFRUST	s14ydfrust:w14 Well-Being Yesterday: s frustrated	Categ
15	S15YDFRUST	s15ydfrust:w15 Well-Being Yesterday: s frustrated	Categ
11	R11YDSAD	r11ydsad:w11 Well-Being Yesterday: r sad	Categ
12	R12YDSAD	r12ydsad:w12 Well-Being Yesterday: r sad	Categ
13	R13YDSAD	r13ydsad:w13 Well-Being Yesterday: r sad	Categ
14	R14YDSAD	r14ydsad:w14 Well-Being Yesterday: r sad	Categ
15	R15YDSAD	r15ydsad:w15 Well-Being Yesterday: r sad	Categ
11	S11YDSAD	s11ydsad:w11 Well-Being Yesterday: s sad	Categ
12	S12YDSAD	s12ydsad:w12 Well-Being Yesterday: s sad	Categ
13	S13YDSAD	s13ydsad:w13 Well-Being Yesterday: s sad	Categ
14	S14YDSAD	s14ydsad:w14 Well-Being Yesterday: s sad	Categ
15	S15YDSAD	s15ydsad:w15 Well-Being Yesterday: s sad	Categ
11	R11YDENTHU	r11ydenthu:w11 Well-Being Yesterday: r enthusiastic	Categ
12	R12YDENTHU	r12ydenthu:w12 Well-Being Yesterday: r enthusiastic	Categ
13	R13YDENTHU	r13ydenthu:w13 Well-Being Yesterday: r enthusiastic	Categ
14	R14YDENTHU	r14ydenthu:w14 Well-Being Yesterday: r enthusiastic	Categ
15	R15YDENTHU	r15ydenthu:w15 Well-Being Yesterday: r enthusiastic	Categ
11	S11YDENTHU	s11ydenthu:w11 Well-Being Yesterday: s enthusiastic	Categ
12	S12YDENTHU	s12ydenthu:w12 Well-Being Yesterday: s enthusiastic	Categ
13	S13YDENTHU	s13ydenthu:w13 Well-Being Yesterday: s enthusiastic	Categ
14	S14YDENTHU	s14ydenthu:w14 Well-Being Yesterday: s enthusiastic	Categ
15	S15YDENTHU	s15ydenthu:w15 Well-Being Yesterday: s enthusiastic	Categ
11	R11YDLONELY	r11ydlonely:w11 Well-Being Yesterday: r lonely	Categ
12	R12YDLONELY	r12ydlonely:w12 Well-Being Yesterday: r lonely	Categ
13	R13YDLONELY	r13ydlonely:w13 Well-Being Yesterday: r lonely	Categ
14	R14YDLONELY	r14ydlonely:w14 Well-Being Yesterday: r lonely	Categ
15	R15YDLONELY	r15ydlonely:w15 Well-Being Yesterday: r lonely	Categ
11	S11YDLONELY	s11ydlonely:w11 Well-Being Yesterday: s lonely	Categ
12	S12YDLONELY	s12ydlonely:w12 Well-Being Yesterday: s lonely	Categ
13	S13YDLONELY	s13ydlonely:w13 Well-Being Yesterday: s lonely	Categ
14	S14YDLONELY	s14ydlonely:w14 Well-Being Yesterday: s lonely	Categ
15	S15YDLONELY	s15ydlonely:w15 Well-Being Yesterday: s lonely	Categ
11	R11YDCONTENT	r11ydcontent:w11 Well-Being Yesterday: r content	Categ
12	R12YDCONTENT	r12ydcontent:w12 Well-Being Yesterday: r content	Categ
13	R13YDCONTENT	r13ydcontent:w13 Well-Being Yesterday: r content	Categ
14	R14YDCONTENT	r14ydcontent:w14 Well-Being Yesterday: r content	Categ
15	R15YDCONTENT	r15ydcontent:w15 Well-Being Yesterday: r content	Categ
11	S11YDCONTENT	s11ydcontent:w11 Well-Being Yesterday: s content	Categ
12	S12YDCONTENT	s12ydcontent:w12 Well-Being Yesterday: s content	Categ
13	S13YDCONTENT	s13ydcontent:w13 Well-Being Yesterday: s content	Categ

14	S14YDCONTENT	s14ydcontent:w14	Well-Being	Yesterday:	s content	Categ
15	S15YDCONTENT	s15ydcontent:w15	Well-Being	Yesterday:	s content	Categ
11	R11YDWORRY	r11ydworry:w11	Well-Being	Yesterday:	r worried	Categ
12	R12YDWORRY	r12ydworry:w12	Well-Being	Yesterday:	r worried	Categ
13	R13YDWORRY	r13ydworry:w13	Well-Being	Yesterday:	r worried	Categ
14	R14YDWORRY	r14ydworry:w14	Well-Being	Yesterday:	r worried	Categ
15	R15YDWORRY	r15ydworry:w15	Well-Being	Yesterday:	r worried	Categ
11	S11YDWORRY	s11ydworry:w11	Well-Being	Yesterday:	s worried	Categ
12	S12YDWORRY	s12ydworry:w12	Well-Being	Yesterday:	s worried	Categ
13	S13YDWORRY	s13ydworry:w13	Well-Being	Yesterday:	s worried	Categ
14	S14YDWORRY	s14ydworry:w14	Well-Being	Yesterday:	s worried	Categ
15	S15YDWORRY	s15ydworry:w15	Well-Being	Yesterday:	s worried	Categ
11	R11YDBORED	r11ydbored:w11	Well-Being	Yesterday:	r bored	Categ
12	R12YDBORED	r12ydbored:w12	Well-Being	Yesterday:	r bored	Categ
13	R13YDBORED	r13ydbored:w13	Well-Being	Yesterday:	r bored	Categ
14	R14YDBORED	r14ydbored:w14	Well-Being	Yesterday:	r bored	Categ
15	R15YDBORED	r15ydbored:w15	Well-Being	Yesterday:	r bored	Categ
11	S11YDBORED	s11ydbored:w11	Well-Being	Yesterday:	s bored	Categ
12	S12YDBORED	s12ydbored:w12	Well-Being	Yesterday:	s bored	Categ
13	S13YDBORED	s13ydbored:w13	Well-Being	Yesterday:	s bored	Categ
14	S14YDBORED	s14ydbored:w14	Well-Being	Yesterday:	s bored	Categ
15	S15YDBORED	s15ydbored:w15	Well-Being	Yesterday:	s bored	Categ
11	R11YDHAPPY	r11ydhappy:w11	Well-Being	Yesterday:	r happy	Categ
12	R12YDHAPPY	r12ydhappy:w12	Well-Being	Yesterday:	r happy	Categ
13	R13YDHAPPY	r13ydhappy:w13	Well-Being	Yesterday:	r happy	Categ
14	R14YDHAPPY	r14ydhappy:w14	Well-Being	Yesterday:	r happy	Categ
15	R15YDHAPPY	r15ydhappy:w15	Well-Being	Yesterday:	r happy	Categ
11	S11YDHAPPY	s11ydhappy:w11	Well-Being	Yesterday:	s happy	Categ
12	S12YDHAPPY	s12ydhappy:w12	Well-Being	Yesterday:	s happy	Categ
13	S13YDHAPPY	s13ydhappy:w13	Well-Being	Yesterday:	s happy	Categ
14	S14YDHAPPY	s14ydhappy:w14	Well-Being	Yesterday:	s happy	Categ
15	S15YDHAPPY	s15ydhappy:w15	Well-Being	Yesterday:	s happy	Categ
11	R11YDANGRY	r11yandangry:w11	Well-Being	Yesterday:	r angry	Categ
12	R12YDANGRY	r12yandangry:w12	Well-Being	Yesterday:	r angry	Categ
13	R13YDANGRY	r13yandangry:w13	Well-Being	Yesterday:	r angry	Categ
14	R14YDANGRY	r14yandangry:w14	Well-Being	Yesterday:	r angry	Categ
15	R15YDANGRY	r15yandangry:w15	Well-Being	Yesterday:	r angry	Categ
11	S11YDANGRY	s11yandangry:w11	Well-Being	Yesterday:	s angry	Categ
12	S12YDANGRY	s12yandangry:w12	Well-Being	Yesterday:	s angry	Categ
13	S13YDANGRY	s13yandangry:w13	Well-Being	Yesterday:	s angry	Categ
14	S14YDANGRY	s14yandangry:w14	Well-Being	Yesterday:	s angry	Categ
15	S15YDANGRY	s15yandangry:w15	Well-Being	Yesterday:	s angry	Categ
11	R11YDTIRED	r11ydtired:w11	Well-Being	Yesterday:	r tired	Categ
12	R12YDTIRED	r12ydtired:w12	Well-Being	Yesterday:	r tired	Categ
13	R13YDTIRED	r13ydtired:w13	Well-Being	Yesterday:	r tired	Categ
14	R14YDTIRED	r14ydtired:w14	Well-Being	Yesterday:	r tired	Categ
15	R15YDTIRED	r15ydtired:w15	Well-Being	Yesterday:	r tired	Categ
11	S11YDTIRED	s11ydtired:w11	Well-Being	Yesterday:	s tired	Categ
12	S12YDTIRED	s12ydtired:w12	Well-Being	Yesterday:	s tired	Categ
13	S13YDTIRED	s13ydtired:w13	Well-Being	Yesterday:	s tired	Categ
14	S14YDTIRED	s14ydtired:w14	Well-Being	Yesterday:	s tired	Categ
15	S15YDTIRED	s15ydtired:w15	Well-Being	Yesterday:	s tired	Categ

11	R11YDSTRESS	r11ydstress:w11	Well-Being Yesterday: r	stressed	Categ
12	R12YDSTRESS	r12ydstress:w12	Well-Being Yesterday: r	stressed	Categ
13	R13YDSTRESS	r13ydstress:w13	Well-Being Yesterday: r	stressed	Categ
14	R14YDSTRESS	r14ydstress:w14	Well-Being Yesterday: r	stressed	Categ
15	R15YDSTRESS	r15ydstress:w15	Well-Being Yesterday: r	stressed	Categ
11	S11YDSTRESS	s11ydstress:w11	Well-Being Yesterday: s	stressed	Categ
12	S12YDSTRESS	s12ydstress:w12	Well-Being Yesterday: s	stressed	Categ
13	S13YDSTRESS	s13ydstress:w13	Well-Being Yesterday: s	stressed	Categ
14	S14YDSTRESS	s14ydstress:w14	Well-Being Yesterday: s	stressed	Categ
15	S15YDSTRESS	s15ydstress:w15	Well-Being Yesterday: s	stressed	Categ
11	R11YDPAIN	r11ydpain:w11	Well-Being Yesterday: r	pain	Categ
12	R12YDPAIN	r12ydpain:w12	Well-Being Yesterday: r	pain	Categ
13	R13YDPAIN	r13ydpain:w13	Well-Being Yesterday: r	pain	Categ
14	R14YDPAIN	r14ydpain:w14	Well-Being Yesterday: r	pain	Categ
15	R15YDPAIN	r15ydpain:w15	Well-Being Yesterday: r	pain	Categ
11	S11YDPAIN	s11ydpain:w11	Well-Being Yesterday: s	pain	Categ
12	S12YDPAIN	s12ydpain:w12	Well-Being Yesterday: s	pain	Categ
13	S13YDPAIN	s13ydpain:w13	Well-Being Yesterday: s	pain	Categ
14	S14YDPAIN	s14ydpain:w14	Well-Being Yesterday: s	pain	Categ
15	S15YDPAIN	s15ydpain:w15	Well-Being Yesterday: s	pain	Categ
11	R11OVEXPOS3	r11ovexpos3:w11	r 3-item Index of Positive Affect		Cont
12	R12OVEXPOS3	r12ovexpos3:w12	r 3-item Index of Positive Affect		Cont
13	R13OVEXPOS3	r13ovexpos3:w13	r 3-item Index of Positive Affect		Cont
14	R14OVEXPOS3	r14ovexpos3:w14	r 3-item Index of Positive Affect		Cont
15	R15OVEXPOS3	r15ovexpos3:w15	r 3-item Index of Positive Affect		Cont
11	S11OVEXPOS3	s11ovexpos3:w11	s 3-item Index of Positive Affect		Cont
12	S12OVEXPOS3	s12ovexpos3:w12	s 3-item Index of Positive Affect		Cont
13	S13OVEXPOS3	s13ovexpos3:w13	s 3-item Index of Positive Affect		Cont
14	S14OVEXPOS3	s14ovexpos3:w14	s 3-item Index of Positive Affect		Cont
15	S15OVEXPOS3	s15ovexpos3:w15	s 3-item Index of Positive Affect		Cont
11	R11OVEXPOS3M	r11ovexpos3m:w11	r 3-item Index of Positive Affect	missings	Cont
12	R12OVEXPOS3M	r12ovexpos3m:w12	r 3-item Index of Positive Affect	missings	Cont
13	R13OVEXPOS3M	r13ovexpos3m:w13	r 3-item Index of Positive Affect	missings	Cont
14	R14OVEXPOS3M	r14ovexpos3m:w14	r 3-item Index of Positive Affect	missings	Cont
15	R15OVEXPOS3M	r15ovexpos3m:w15	r 3-item Index of Positive Affect	missings	Cont
11	S11OVEXPOS3M	s11ovexpos3m:w11	s 3-item Index of Positive Affect	missings	Cont
12	S12OVEXPOS3M	s12ovexpos3m:w12	s 3-item Index of Positive Affect	missings	Cont
13	S13OVEXPOS3M	s13ovexpos3m:w13	s 3-item Index of Positive Affect	missings	Cont
14	S14OVEXPOS3M	s14ovexpos3m:w14	s 3-item Index of Positive Affect	missings	Cont
15	S15OVEXPOS3M	s15ovexpos3m:w15	s 3-item Index of Positive Affect	missings	Cont
11	R11OVEXNEG6	r11ovexneg6:w11	r 6-item Index of Negative Affect		Cont
12	R12OVEXNEG6	r12ovexneg6:w12	r 6-item Index of Negative Affect		Cont
13	R13OVEXNEG6	r13ovexneg6:w13	r 6-item Index of Negative Affect		Cont
14	R14OVEXNEG6	r14ovexneg6:w14	r 6-item Index of Negative Affect		Cont
15	R15OVEXNEG6	r15ovexneg6:w15	r 6-item Index of Negative Affect		Cont
11	S11OVEXNEG6	s11ovexneg6:w11	s 6-item Index of Negative Affect		Cont
12	S12OVEXNEG6	s12ovexneg6:w12	s 6-item Index of Negative Affect		Cont
13	S13OVEXNEG6	s13ovexneg6:w13	s 6-item Index of Negative Affect		Cont
14	S14OVEXNEG6	s14ovexneg6:w14	s 6-item Index of Negative Affect		Cont
15	S15OVEXNEG6	s15ovexneg6:w15	s 6-item Index of Negative Affect		Cont
11	R11OVEXNEG6M	r11ovexneg6m:w11	r 6-item Index of Negative Affect	missings	Cont
12	R12OVEXNEG6M	r12ovexneg6m:w12	r 6-item Index of Negative Affect	missings	Cont
13	R13OVEXNEG6M	r13ovexneg6m:w13	r 6-item Index of Negative Affect	missings	Cont

14	R14OVEXNEG6M	r14ovexneg6m:w14	r	6-item	Index of Negative Affect	missings	Cont
15	R15OVEXNEG6M	r15ovexneg6m:w15	r	6-item	Index of Negative Affect	missings	Cont
11	S11OVEXNEG6M	s11ovexneg6m:w11	s	6-item	Index of Negative Affect	missings	Cont
12	S12OVEXNEG6M	s12ovexneg6m:w12	s	6-item	Index of Negative Affect	missings	Cont
13	S13OVEXNEG6M	s13ovexneg6m:w13	s	6-item	Index of Negative Affect	missings	Cont
14	S14OVEXNEG6M	s14ovexneg6m:w14	s	6-item	Index of Negative Affect	missings	Cont
15	S15OVEXNEG6M	s15ovexneg6m:w15	s	6-item	Index of Negative Affect	missings	Cont
11	R11OVEXPSY3	r11ovexpsy3:w11	r	3-item	Psychosomatic Index		Cont
12	R12OVEXPSY3	r12ovexpsy3:w12	r	3-item	Psychosomatic Index		Cont
13	R13OVEXPSY3	r13ovexpsy3:w13	r	3-item	Psychosomatic Index		Cont
14	R14OVEXPSY3	r14ovexpsy3:w14	r	3-item	Psychosomatic Index		Cont
15	R15OVEXPSY3	r15ovexpsy3:w15	r	3-item	Psychosomatic Index		Cont
11	S11OVEXPSY3	s11ovexpsy3:w11	s	3-item	Psychosomatic Index		Cont
12	S12OVEXPSY3	s12ovexpsy3:w12	s	3-item	Psychosomatic Index		Cont
13	S13OVEXPSY3	s13ovexpsy3:w13	s	3-item	Psychosomatic Index		Cont
14	S14OVEXPSY3	s14ovexpsy3:w14	s	3-item	Psychosomatic Index		Cont
15	S15OVEXPSY3	s15ovexpsy3:w15	s	3-item	Psychosomatic Index		Cont
11	R11OVEXPSY3M	r11ovexpsy3m:w11	r	3-item	Psychosomatic Index	missings	Cont
12	R12OVEXPSY3M	r12ovexpsy3m:w12	r	3-item	Psychosomatic Index	missings	Cont
13	R13OVEXPSY3M	r13ovexpsy3m:w13	r	3-item	Psychosomatic Index	missings	Cont
14	R14OVEXPSY3M	r14ovexpsy3m:w14	r	3-item	Psychosomatic Index	missings	Cont
15	R15OVEXPSY3M	r15ovexpsy3m:w15	r	3-item	Psychosomatic Index	missings	Cont
11	S11OVEXPSY3M	s11ovexpsy3m:w11	s	3-item	Psychosomatic Index	missings	Cont
12	S12OVEXPSY3M	s12ovexpsy3m:w12	s	3-item	Psychosomatic Index	missings	Cont
13	S13OVEXPSY3M	s13ovexpsy3m:w13	s	3-item	Psychosomatic Index	missings	Cont
14	S14OVEXPSY3M	s14ovexpsy3m:w14	s	3-item	Psychosomatic Index	missings	Cont
15	S15OVEXPSY3M	s15ovexpsy3m:w15	s	3-item	Psychosomatic Index	missings	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R11YDFRUST	7214	1.58	0.92	1.00	5.00
R12YDFRUST	7346	1.61	0.93	1.00	5.00
R13YDFRUST	6197	1.65	0.95	1.00	5.00
R14YDFRUST	5593	1.57	0.89	1.00	5.00
R15YDFRUST	4582	1.55	0.88	1.00	5.00
S11YDFRUST	4551	1.55	0.89	1.00	5.00
S12YDFRUST	4543	1.60	0.90	1.00	5.00
S13YDFRUST	3698	1.61	0.91	1.00	5.00
S14YDFRUST	3323	1.55	0.86	1.00	5.00
S15YDFRUST	2638	1.52	0.84	1.00	5.00
R11YDSAD	7183	1.42	0.84	1.00	5.00
R12YDSAD	7329	1.43	0.85	1.00	5.00
R13YDSAD	6177	1.46	0.88	1.00	5.00
R14YDSAD	5579	1.40	0.81	1.00	5.00
R15YDSAD	4578	1.42	0.82	1.00	5.00
S11YDSAD	4538	1.37	0.79	1.00	5.00
S12YDSAD	4535	1.39	0.80	1.00	5.00
S13YDSAD	3693	1.39	0.81	1.00	5.00
S14YDSAD	3319	1.36	0.75	1.00	5.00
S15YDSAD	2633	1.37	0.77	1.00	5.00
R11YDENTHU	7119	2.68	1.21	1.00	5.00
R12YDENTHU	7253	2.78	1.22	1.00	5.00

R13YDENTHU	6117	2.79	1.21	1.00	5.00
R14YDENTHU	5511	2.87	1.25	1.00	5.00
R15YDENTHU	4520	2.77	1.22	1.00	5.00
S11YDENTHU	4504	2.74	1.20	1.00	5.00
S12YDENTHU	4509	2.87	1.21	1.00	5.00
S13YDENTHU	3668	2.89	1.20	1.00	5.00
S14YDENTHU	3282	2.96	1.25	1.00	5.00
S15YDENTHU	2608	2.89	1.20	1.00	5.00
R11YDLONELY	7204	1.40	0.85	1.00	5.00
R12YDLONELY	7353	1.41	0.85	1.00	5.00
R13YDLONELY	6192	1.43	0.89	1.00	5.00
R14YDLONELY	5578	1.40	0.85	1.00	5.00
R15YDLONELY	4582	1.40	0.84	1.00	5.00
S11YDLONELY	4545	1.29	0.72	1.00	5.00
S12YDLONELY	4539	1.29	0.72	1.00	5.00
S13YDLONELY	3697	1.31	0.75	1.00	5.00
S14YDLONELY	3312	1.29	0.73	1.00	5.00
S15YDLONELY	2635	1.27	0.69	1.00	5.00
R11YDCONTENT	7184	3.24	1.27	1.00	5.00
R12YDCONTENT	7328	3.32	1.27	1.00	5.00
R13YDCONTENT	6175	3.35	1.24	1.00	5.00
R14YDCONTENT	5557	3.44	1.25	1.00	5.00
R15YDCONTENT	4554	3.44	1.23	1.00	5.00
S11YDCONTENT	4532	3.31	1.26	1.00	5.00
S12YDCONTENT	4529	3.40	1.25	1.00	5.00
S13YDCONTENT	3694	3.44	1.21	1.00	5.00
S14YDCONTENT	3302	3.53	1.24	1.00	5.00
S15YDCONTENT	2625	3.52	1.21	1.00	5.00
R11YDWORRY	7190	1.66	0.97	1.00	5.00
R12YDWORRY	7350	1.66	0.95	1.00	5.00
R13YDWORRY	6186	1.70	1.00	1.00	5.00
R14YDWORRY	5571	1.64	0.95	1.00	5.00
R15YDWORRY	4576	1.62	0.94	1.00	5.00
S11YDWORRY	4532	1.64	0.92	1.00	5.00
S12YDWORRY	4546	1.63	0.91	1.00	5.00
S13YDWORRY	3693	1.65	0.96	1.00	5.00
S14YDWORRY	3314	1.63	0.93	1.00	5.00
S15YDWORRY	2631	1.60	0.91	1.00	5.00
R11YDBORED	7198	1.51	0.89	1.00	5.00
R12YDBORED	7341	1.52	0.90	1.00	5.00
R13YDBORED	6186	1.52	0.90	1.00	5.00
R14YDBORED	5563	1.48	0.88	1.00	5.00
R15YDBORED	4575	1.58	0.94	1.00	5.00
S11YDBORED	4549	1.44	0.83	1.00	5.00
S12YDBORED	4541	1.45	0.83	1.00	5.00
S13YDBORED	3692	1.44	0.83	1.00	5.00
S14YDBORED	3302	1.43	0.81	1.00	5.00
S15YDBORED	2628	1.52	0.88	1.00	5.00
R11YDHAPPY	7210	3.43	1.20	1.00	5.00
R12YDHAPPY	7345	3.49	1.22	1.00	5.00
R13YDHAPPY	6186	3.53	1.19	1.00	5.00
R14YDHAPPY	5581	3.61	1.18	1.00	5.00
R15YDHAPPY	4572	3.55	1.16	1.00	5.00



S11YDHAPPY	4547	3.53	1.18	1.00	5.00
S12YDHAPPY	4541	3.58	1.18	1.00	5.00
S13YDHAPPY	3693	3.63	1.14	1.00	5.00
S14YDHAPPY	3315	3.69	1.16	1.00	5.00
S15YDHAPPY	2630	3.65	1.13	1.00	5.00
R11YDANGRY	7191	1.28	0.69	1.00	5.00
R12YDANGRY	7329	1.33	0.77	1.00	5.00
R13YDANGRY	6179	1.35	0.78	1.00	5.00
R14YDANGRY	5563	1.32	0.73	1.00	5.00
R15YDANGRY	4575	1.32	0.75	1.00	5.00
S11YDANGRY	4535	1.27	0.65	1.00	5.00
S12YDANGRY	4536	1.34	0.76	1.00	5.00
S13YDANGRY	3693	1.33	0.74	1.00	5.00
S14YDANGRY	3308	1.31	0.70	1.00	5.00
S15YDANGRY	2628	1.32	0.75	1.00	5.00
R11YDTIRED	7224	2.36	1.14	1.00	5.00
R12YDTIRED	7371	2.39	1.13	1.00	5.00
R13YDTIRED	6182	2.45	1.17	1.00	5.00
R14YDTIRED	5598	2.39	1.14	1.00	5.00
R15YDTIRED	4593	2.37	1.13	1.00	5.00
S11YDTIRED	4555	2.33	1.11	1.00	5.00
S12YDTIRED	4558	2.37	1.11	1.00	5.00
S13YDTIRED	3689	2.41	1.15	1.00	5.00
S14YDTIRED	3322	2.37	1.11	1.00	5.00
S15YDTIRED	2638	2.34	1.11	1.00	5.00
R11YDSTRESS	7214	1.83	1.09	1.00	5.00
R12YDSTRESS	7352	1.85	1.10	1.00	5.00
R13YDSTRESS	6194	1.87	1.11	1.00	5.00
R14YDSTRESS	5584	1.79	1.07	1.00	5.00
R15YDSTRESS	4588	1.76	1.06	1.00	5.00
S11YDSTRESS	4553	1.80	1.07	1.00	5.00
S12YDSTRESS	4546	1.85	1.08	1.00	5.00
S13YDSTRESS	3698	1.82	1.07	1.00	5.00
S14YDSTRESS	3318	1.78	1.04	1.00	5.00
S15YDSTRESS	2635	1.74	1.03	1.00	5.00
R11YDPAIN	7243	2.13	1.14	1.00	5.00
R12YDPAIN	7387	2.16	1.14	1.00	5.00
R13YDPAIN	6234	2.18	1.15	1.00	5.00
R14YDPAIN	5604	2.17	1.17	1.00	5.00
R15YDPAIN	4597	2.18	1.14	1.00	5.00
S11YDPAIN	4557	2.06	1.10	1.00	5.00
S12YDPAIN	4559	2.12	1.11	1.00	5.00
S13YDPAIN	3713	2.10	1.10	1.00	5.00
S14YDPAIN	3327	2.10	1.14	1.00	5.00
S15YDPAIN	2640	2.12	1.10	1.00	5.00
R11OVEXPOS3	7210	3.12	1.03	1.00	5.00
R12OVEXPOS3	7358	3.20	1.04	1.00	5.00
R13OVEXPOS3	6197	3.23	1.02	1.00	5.00
R14OVEXPOS3	5584	3.31	1.03	1.00	5.00
R15OVEXPOS3	4584	3.25	1.00	1.00	5.00
S11OVEXPOS3	4549	3.20	1.02	1.00	5.00
S12OVEXPOS3	4555	3.29	1.02	1.00	5.00

S13OVEXPOS3	3705	3.32	1.00	1.00	5.00
S14OVEXPOS3	3316	3.39	1.03	1.00	5.00
S15OVEXPOS3	2634	3.35	0.99	1.00	5.00
R11OVEXPOS3M	7412	0.10	0.47	0.00	3.00
R12OVEXPOS3M	7541	0.09	0.45	0.00	3.00
R13OVEXPOS3M	6370	0.10	0.47	0.00	3.00
R14OVEXPOS3M	5738	0.10	0.48	0.00	3.00
R15OVEXPOS3M	4670	0.08	0.41	0.00	3.00
S11OVEXPOS3M	4636	0.07	0.39	0.00	3.00
S12OVEXPOS3M	4635	0.07	0.40	0.00	3.00
S13OVEXPOS3M	3780	0.08	0.41	0.00	3.00
S14OVEXPOS3M	3397	0.09	0.45	0.00	3.00
S15OVEXPOS3M	2668	0.05	0.34	0.00	3.00
R11OVEXNEG6	7222	1.48	0.64	1.00	5.00
R12OVEXNEG6	7368	1.49	0.65	1.00	5.00
R13OVEXNEG6	6213	1.52	0.67	1.00	5.00
R14OVEXNEG6	5589	1.47	0.63	1.00	5.00
R15OVEXNEG6	4594	1.48	0.63	1.00	5.00
S11OVEXNEG6	4557	1.43	0.59	1.00	5.00
S12OVEXNEG6	4555	1.45	0.61	1.00	5.00
S13OVEXNEG6	3711	1.46	0.61	1.00	5.00
S14OVEXNEG6	3322	1.43	0.58	1.00	5.00
S15OVEXNEG6	2640	1.43	0.58	1.00	5.00
R11OVEXNEG6M	7412	0.17	0.90	0.00	6.00
R12OVEXNEG6M	7541	0.16	0.86	0.00	6.00
R13OVEXNEG6M	6370	0.17	0.90	0.00	6.00
R14OVEXNEG6M	5738	0.17	0.91	0.00	6.00
R15OVEXNEG6M	4670	0.12	0.75	0.00	6.00
S11OVEXNEG6M	4636	0.12	0.74	0.00	6.00
S12OVEXNEG6M	4635	0.12	0.75	0.00	6.00
S13OVEXNEG6M	3780	0.14	0.80	0.00	6.00
S14OVEXNEG6M	3397	0.15	0.86	0.00	6.00
S15OVEXNEG6M	2668	0.08	0.60	0.00	6.00
R11OVEXPSY3	7238	2.11	0.86	1.00	5.00
R12OVEXPSY3	7383	2.14	0.86	1.00	5.00
R13OVEXPSY3	6217	2.17	0.88	1.00	5.00
R14OVEXPSY3	5604	2.12	0.86	1.00	5.00
R15OVEXPSY3	4595	2.10	0.84	1.00	5.00
S11OVEXPSY3	4562	2.07	0.83	1.00	5.00
S12OVEXPSY3	4562	2.11	0.84	1.00	5.00
S13OVEXPSY3	3709	2.11	0.85	1.00	5.00
S14OVEXPSY3	3325	2.08	0.83	1.00	5.00
S15OVEXPSY3	2639	2.07	0.82	1.00	5.00
R11OVEXPSY3M	7412	0.07	0.42	0.00	3.00
R12OVEXPSY3M	7541	0.07	0.40	0.00	3.00
R13OVEXPSY3M	6370	0.08	0.42	0.00	3.00
R14OVEXPSY3M	5738	0.08	0.43	0.00	3.00
R15OVEXPSY3M	4670	0.05	0.36	0.00	3.00
S11OVEXPSY3M	4636	0.05	0.36	0.00	3.00
S12OVEXPSY3M	4635	0.05	0.35	0.00	3.00
S13OVEXPSY3M	3780	0.06	0.38	0.00	3.00
S14OVEXPSY3M	3397	0.07	0.41	0.00	3.00
S15OVEXPSY3M	2668	0.03	0.29	0.00	3.00

## Categorical Variable Codes

Value-----	R11YDFRUST	R12YDFRUST	R13YDFRUST	R14YDFRUST	R15YDFRUST
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	198	195	173	146	88
1.Not at all	4613	4509	3709	3517	2959
2.A little	1512	1657	1441	1259	981
3.Somewhat	723	815	691	577	441
4.Quite a bit	253	243	248	163	143
5.Very	113	122	108	77	58

Value-----	S11YDFRUST	S12YDFRUST	S13YDFRUST	S14YDFRUST	S15YDFRUST
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	85	92	82	75	30
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Not at all	2952	2770	2259	2098	1724
2.A little	942	1082	867	776	581
3.Somewhat	450	486	392	317	241
4.Quite a bit	153	137	132	97	67
5.Very	54	68	48	35	25

Value-----	R11YDSAD	R12YDSAD	R13YDSAD	R14YDSAD	R15YDSAD
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	229	212	193	160	92
1.Not at all	5329	5376	4460	4144	3357
2.A little	1071	1131	990	881	750
3.Somewhat	511	528	448	378	309
4.Quite a bit	153	179	167	96	95
5.Very	119	115	112	80	67

Value-----	S11YDSAD	S12YDSAD	S13YDSAD	S14YDSAD	S15YDSAD
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	98	100	87	79	35
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Not at all	3498	3436	2780	2548	1999
2.A little	609	650	551	482	403
3.Somewhat	286	299	237	204	155
4.Quite a bit	89	100	75	50	48
5.Very	56	50	50	35	28

Value-----	R11YDENTHU	R12YDENTHU	R13YDENTHU	R14YDENTHU	R15YDENTHU
.c:no self-completion quest	13142	11206	14542	11408	11053
.m:Missing	293	288	253	227	150
1.Not at all	1479	1353	1100	968	876
2.A little	1728	1689	1383	1176	996
3.Somewhat	2092	2082	1849	1573	1369
4.Quite a bit	1264	1469	1241	1180	870
5.Very	556	660	544	614	409

Value-----	S11YDENTHU	S12YDENTHU	S13YDENTHU	S14YDENTHU	S15YDENTHU
.c:no self-completion quest	7840	6377	7998	5961	5798
.m:Missing	132	126	112	115	60
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Not at all	851	717	573	518	411
2.A little	1076	1021	786	679	555
3.Somewhat	1344	1327	1143	906	825
4.Quite a bit	862	1001	819	788	554
5.Very	371	443	347	391	263

Value-----	R11YDLONELY	R12YDLONELY	R13YDLONELY	R14YDLONELY	R15YDLONELY
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	208	188	178	161	88
1.Not at all	5488	5579	4663	4244	3463
2.A little	943	964	807	747	636
3.Somewhat	472	534	443	364	301
4.Quite a bit	181	149	146	126	113
5.Very	120	127	133	97	69

Value-----	S11YDLONELY	S12YDLONELY	S13YDLONELY	S14YDLONELY	S15YDLONELY
.c:no self-completion quest	7840	6377	7998	5960	5798

.m:Missing		91	96	83	86	33
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.Not at all		3742	3723	3020	2720	2190
2.A little		447	452	371	338	274
3.Somewhat		239	254	204	165	105
4.Quite a bit		72	72	59	54	44
5.Very		45	38	43	35	22
Value-----		R11YDCONTENT	R12YDCONTENT	R13YDCONTENT	R14YDCONTENT	R15YDCONTENT
.c:no self-completion quest		13142	11206	14542	11407	11053
.m:Missing		228	213	195	182	116
1.Not at all		847	786	604	515	411
2.A little		1200	1187	931	783	610
3.Somewhat		1877	1809	1623	1321	1141
4.Quite a bit		1883	1954	1739	1600	1343
5.Very		1377	1592	1278	1338	1049
Value-----		S11YDCONTENT	S12YDCONTENT	S13YDCONTENT	S14YDCONTENT	S15YDCONTENT
.c:no self-completion quest		7840	6377	7998	5960	5798
.m:Missing		104	106	86	96	43
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.Not at all		498	423	304	264	208
2.A little		702	695	530	448	326
3.Somewhat		1135	1088	907	738	629
4.Quite a bit		1288	1284	1144	983	825
5.Very		909	1039	809	869	637
Value-----		R11YDWORRY	R12YDWORRY	R13YDWORRY	R14YDWORRY	R15YDWORRY
.c:no self-completion quest		13142	11206	14542	11407	11053
.m:Missing		222	191	184	168	94
1.Not at all		4215	4291	3565	3326	2787
2.A little		1769	1835	1483	1357	1082
3.Somewhat		777	790	707	559	459
4.Quite a bit		268	292	276	211	156
5.Very		161	142	155	118	92
Value-----		S11YDWORRY	S12YDWORRY	S13YDWORRY	S14YDWORRY	S15YDWORRY
.c:no self-completion quest		7840	6377	7998	5960	5798
.m:Missing		104	89	87	84	37
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.Not at all		2669	2676	2182	1980	1608
2.A little		1146	1168	899	831	637
3.Somewhat		480	465	393	326	252
4.Quite a bit		163	171	144	117	90
5.Very		74	66	75	60	44
Value-----		R11YDBORED	R12YDBORED	R13YDBORED	R14YDBORED	R15YDBORED
.c:no self-completion quest		13142	11206	14542	11407	11053
.m:Missing		214	200	184	176	95
1.Not at all		4954	5034	4246	3886	2952
2.A little		1296	1283	1072	998	928
3.Somewhat		633	692	592	436	464
4.Quite a bit		187	208	173	152	135
5.Very		128	124	103	91	96
Value-----		S11YDBORED	S12YDBORED	S13YDBORED	S14YDBORED	S15YDBORED
.c:no self-completion quest		7840	6377	7998	5960	5798
.m:Missing		87	94	88	96	40
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.Not at all		3268	3244	2646	2388	1767
2.A little		749	760	626	576	510
3.Somewhat		381	386	296	225	245
4.Quite a bit		93	102	79	73	64
5.Very		58	49	45	40	42
Value-----		R11YDHAPPY	R12YDHAPPY	R13YDHAPPY	R14YDHAPPY	R15YDHAPPY
.c:no self-completion quest		13142	11206	14542	11407	11053
.m:Missing		202	196	184	158	98
1.Not at all		529	540	390	328	257
2.A little		1157	1114	870	729	657
3.Somewhat		1788	1696	1543	1256	1081
4.Quite a bit		2133	2195	1846	1738	1479

5.Very	1603	1800	1537	1530	1098
Value-----	S11YDHAPPY	S12YDHAPPY	S13YDHAPPY	S14YDHAPPY	S15YDHAPPY
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	89	94	87	83	38
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Not at all	280	249	189	163	114
2.A little	663	665	447	400	344
3.Somewhat	1056	994	880	702	573
4.Quite a bit	1464	1453	1213	1072	921
5.Very	1084	1180	964	978	678
Value-----	R11YDANGRY	R12YDANGRY	R13YDANGRY	R14YDANGRY	R15YDANGRY
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	221	212	191	176	95
1.Not at all	5898	5819	4855	4429	3657
2.A little	794	891	799	726	557
3.Somewhat	342	399	320	259	228
4.Quite a bit	97	125	119	86	76
5.Very	60	95	86	63	57
Value-----	S11YDANGRY	S12YDANGRY	S13YDANGRY	S14YDANGRY	S15YDANGRY
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	101	99	87	90	40
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Not at all	3721	3573	2902	2600	2089
2.A little	521	580	511	481	332
3.Somewhat	213	251	180	150	133
4.Quite a bit	55	75	58	49	42
5.Very	25	57	42	28	32
Value-----	R11YDTIRED	R12YDTIRED	R13YDTIRED	R14YDTIRED	R15YDTIRED
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	188	170	188	141	77
1.Not at all	1819	1751	1426	1348	1126
2.A little	2550	2657	2139	1989	1649
3.Somewhat	1683	1741	1455	1315	1086
4.Quite a bit	755	794	735	608	469
5.Very	417	428	427	338	263
Value-----	S11YDTIRED	S12YDTIRED	S13YDTIRED	S14YDTIRED	S15YDTIRED
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	81	77	91	76	30
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Not at all	1146	1092	865	793	654
2.A little	1650	1673	1316	1195	959
3.Somewhat	1086	1064	870	805	632
4.Quite a bit	443	491	403	361	254
5.Very	230	238	235	168	139
Value-----	R11YDSTRESS	R12YDSTRESS	R13YDSTRESS	R14YDSTRESS	R15YDSTRESS
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	198	189	176	155	82
1.Not at all	3787	3757	3106	3021	2561
2.A little	1833	1900	1672	1399	1104
3.Somewhat	918	991	799	690	555
4.Quite a bit	393	422	342	274	208
5.Very	283	282	275	200	160
Value-----	S11YDSTRESS	S12YDSTRESS	S13YDSTRESS	S14YDSTRESS	S15YDSTRESS
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	83	89	82	80	33
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
1.Not at all	2411	2296	1898	1782	1475
2.A little	1182	1224	1022	863	655
3.Somewhat	557	614	449	412	309
4.Quite a bit	243	242	195	157	112
5.Very	160	170	134	104	84
Value-----	R11YDPAIN	R12YDPAIN	R13YDPAIN	R14YDPAIN	R15YDPAIN
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	169	154	136	135	73

1.None		2777	2669	2205	2075	1602
2.A little		2026	2203	1877	1617	1380
3.Some		1488	1496	1257	1072	974
4.Quite a bit		658	698	624	573	454
5.A lot		294	321	271	267	187
Value-----		S11YDPAIN	S12YDPAIN	S13YDPAIN	S14YDPAIN	S15YDPAIN
.c:no self-completion quest		7840	6377	7998	5960	5798
.m:Missing		79	76	67	71	28
.u:not coupled		7483	7125	8025	6684	6202
.v:SP NR		595	610	1109	1104	1055
1.None		1803	1658	1374	1287	963
2.A little		1317	1424	1174	1004	809
3.Some		932	898	721	582	547
4.Quite a bit		358	413	318	315	238
5.A lot		147	166	126	139	83

## How Constructed:

The following variables pertain to the respondent's experience yesterday. The respondent is asked to rate how much they experienced a particular feeling yesterday. These questions were added to the HRS psychosocial leave-behind survey starting at Wave 11. These questions are asked in the self-completion questionnaire, so if the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwYDFRUST indicates how frustrated the respondent felt yesterday.

RwYDSAD indicates how sad the respondent felt yesterday.

RwYDENTHU indicates how enthusiastic the respondent felt yesterday.

RwYDLONELY indicates how lonely the respondent felt yesterday.

RwYDCONTENT indicates how content the respondent felt yesterday.

RwYDWORRY indicates how worried the respondent felt yesterday.

RwYDBORED indicates how bored the respondent felt yesterday.

RwYDHAPPY indicates how happy the respondent felt yesterday.

RwYDANGRY indicates how angry the respondent felt yesterday.

RwYDTIRED indicates how tired the respondent felt yesterday.

RwYDSTRESS indicates how stressed the respondent felt yesterday.

The preceding variables are coded as: 1.not at all, 2.a little, 3.somewhat, 4.quite a bit, 5.very.

RwYDPAIN indicates how much pain the respondent felt yesterday. RwYDPAIN is coded as: 1.none, 2.a little, 3.some, 4.quite a bit, 5.a lot.

SwYDFRUST, SwYDSAD, SwYDENTHU, SwYDLONELY, SwYDCONTENT, SwYDWORRY, SwYDBORED, SwYDHAPPY, SwYDANGRY, SwYDTIRED, SwYDSTRESS, and SwYDPAIN are variables indicating the respondent's spouse's experience yesterday, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwOVEXPOS3 is a 3-item index of overall experienced positive affect yesterday. RwOVEXPOS3 is the mean of RwYDENTHU, RwYDCONTENT, and RwYDHAPPY. RwOVEXPOS3M is the count of the number of missing components for this summary. RwOVEXPOS3 is set to .m if more than 1 item has a missing value, that is RwOVEXPOS3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey starting at Wave 11.

If the respondent did not return the self-completion questionnaire, then RwoVEXPOS3 and RwoVEXPOS3M are assigned special missing value .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwOVEXPOS3 is a 3-item index of overall experienced positive affect yesterday for the respondent's current wave's spouse and its value is taken from the corresponding respondent variable. SwOVEXPOS3M is the count of missing components for this summary and its value is taken from the corresponding respondent variable. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwoVEXNEG6 is a 6-item index of overall experienced negative affect yesterday. RwoVEXNEG6 is the mean of RwyDFRUST, RwyDSAD, RwyDLONELY, RwyDWORRY, RwyDBORED, and RwyDANGRY. RwoVEXNEG6M is the count of the number of missing components for this summary. RwoVEXNEG6M is set to .m if more than 2 items have a missing value, that is RwoVEXNEG6M ranges from 3 to 6. These questions were added to the HRS psychosocial leave-behind survey starting at Wave 11. If the respondent did not return the self-completion questionnaire, then RwoVEXNEG6 and RwoVEXNEG6M are assigned special missing value .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwOVEXNEG6 is a 6-item index of overall experienced negative affect yesterday for the respondent's current wave's spouse and its value is taken from the corresponding respondent variable. SwOVEXNEG6M is the count of missing components for this summary and its value is taken from the corresponding respondent variable. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwoVEXPSY3 is a 3-item index of overall experienced psychosomatic symptoms yesterday. RwoVEXPSY3 is the mean of RwyDTIRED, RwyDSTRESS, and RwyDPAIN. RwoVEXPSY3MA is the count of the number of missing components for this summary. RwoVEXPSY3 is set to .m if more than 1 item has a missing value, that is RwoVEXPSY3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey starting at Wave 11. If the respondent did not return the self-completion questionnaire, then RwoVEXPSY3 and RwoVEXPSY3M are assigned special missing value .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwOVEXPSY3 is a 3-item index of overall experienced psychosomatic symptoms yesterday for the respondent's current wave's spouse and its value is taken from the corresponding respondent variable. SwOVEXPSY3M is the count of missing components for this summary and its value is taken from the corresponding respondent variable. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to overall experienced well-being yesterday were added to HRS leave-behind survey starting in Wave 11.

### HRS Variables Used:

Wave 11:

NLB049A	q49_a. frustrated
NLB049B	q49_b. sad
NLB049C	q49_c. enthusiastic
NLB049D	q49_d. lonely
NLB049E	q49_e. content
NLB049F	q49_f. worried
NLB049G	q49_g. bored

NLB049H	q49_h. happy
NLB049I	q49_i. angry
NLB049J	q49_j. tired
NLB049K	q49_k. stressed
NLB050	q50. felt pain yesterday
Wave 12:	
OLB042A	q42a. frustrated
OLB042B	q42b. sad
OLB042C	q42c. enthusiastic
OLB042D	q42d. lonely
OLB042E	q42e. content
OLB042F	q42f. worried
OLB042G	q42g. bored
OLB042H	q42h. happy
OLB042I	q42i. angry
OLB042J	q42j. tired
OLB042K	q42k. stressed
OLB043	q43. felt pain yesterday
Wave 13:	
PLB042A	q42a. frustrated
PLB042B	q42b. sad
PLB042C	q42c. enthusiastic
PLB042D	q42d. lonely
PLB042E	q42e. content
PLB042F	q42f. worried
PLB042G	q42g. bored
PLB042H	q42h. happy
PLB042I	q42i. angry
PLB042J	q42j. tired
PLB042K	q42k. stressed
PLB043	q43. felt pain yesterday
Wave 14:	
QLB042A	q42a. frustrated
QLB042B	q42b. sad
QLB042C	q42c. enthusiastic
QLB042D	q42d. lonely
QLB042E	q42e. content
QLB042F	q42f. worried
QLB042G	q42g. bored
QLB042H	q42h. happy
QLB042I	q42i. angry
QLB042J	q42j. tired
QLB042K	q42k. stressed
QLB043	q43. felt pain
Wave 15:	
RLB043A	q43a. frustrated
RLB043B	q43b. sad
RLB043C	q43c. enthusiastic
RLB043D	q43d. lonely
RLB043E	q43e. content
RLB043F	q43f. worried
RLB043G	q43g. bored
RLB043H	q43h. happy
RLB043I	q43i. angry
RLB043J	q43j. tired
RLB043K	q43k. stressed
RLB044	q44. felt pain



<b>Day Reconstruction: Activity-Related Items</b>
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Wave	Variable	Label	Type
11	R11WTCHTV	r11wtchttv:w11 Affective Experience: r watched TV	Categ
12	R12WTCHTV	r12wtchttv:w12 Affective Experience: r watched TV	Categ
13	R13WTCHTV	r13wtchttv:w13 Affective Experience: r watched TV	Categ
14	R14WTCHTV	r14wtchttv:w14 Affective Experience: r watched TV	Categ
15	R15WTCHTV	r15wtchttv:w15 Affective Experience: r watched TV	Categ
11	S11WTCHTV	s11wtchttv:w11 Affective Experience: s watched TV	Categ
12	S12WTCHTV	s12wtchttv:w12 Affective Experience: s watched TV	Categ
13	S13WTCHTV	s13wtchttv:w13 Affective Experience: s watched TV	Categ
14	S14WTCHTV	s14wtchttv:w14 Affective Experience: s watched TV	Categ
15	S15WTCHTV	s15wtchttv:w15 Affective Experience: s watched TV	Categ
11	R11WTCHTVMN	r11wtchttvmn:w11 r minutes watched tv yesterday	Cont
12	R12WTCHTVMN	r12wtchttvmn:w12 r minutes watched tv yesterday	Cont
13	R13WTCHTVMN	r13wtchttvmn:w13 r minutes watched tv yesterday	Cont
14	R14WTCHTVMN	r14wtchttvmn:w14 r minutes watched tv yesterday	Cont
11	S11WTCHTVMN	s11wtchttvmn:w11 s minutes watched tv yesterday	Cont
12	S12WTCHTVMN	s12wtchttvmn:w12 s minutes watched tv yesterday	Cont
13	S13WTCHTVMN	s13wtchttvmn:w13 s minutes watched tv yesterday	Cont
14	S14WTCHTVMN	s14wtchttvmn:w14 s minutes watched tv yesterday	Cont
15	R15WTCHTVTM	r15wtchttvtm:w15 r time watched tv yesterday	Categ
15	S15WTCHTVTM	s15wtchttvtm:w15 s time watched tv yesterday	Categ
11	R11WKVLNTR	r11wkvlntr:w11 Affective Experience: r worked or volunteered	Categ
12	R12WKVLNTR	r12wkvlntr:w12 Affective Experience: r worked or volunteered	Categ
13	R13WKVLNTR	r13wkvlntr:w13 Affective Experience: r worked or volunteered	Categ
14	R14WKVLNTR	r14wkvlntr:w14 Affective Experience: r worked or volunteered	Categ
15	R15WKVLNTR	r15wkvlntr:w15 Affective Experience: r worked or volunteered	Categ
11	S11WKVLNTR	s11wkvlntr:w11 Affective Experience: s worked or volunteered	Categ
12	S12WKVLNTR	s12wkvlntr:w12 Affective Experience: s worked or volunteered	Categ
13	S13WKVLNTR	s13wkvlntr:w13 Affective Experience: s worked or volunteered	Categ
14	S14WKVLNTR	s14wkvlntr:w14 Affective Experience: s worked or volunteered	Categ
15	S15WKVLNTR	s15wkvlntr:w15 Affective Experience: s worked or volunteered	Categ
11	R11WKVLNTRMN	r11wkvlntrmn:w11 r minutes worked or volunteered yesterday	Cont
12	R12WKVLNTRMN	r12wkvlntrmn:w12 r minutes worked or volunteered yesterday	Cont
13	R13WKVLNTRMN	r13wkvlntrmn:w13 r minutes worked or volunteered yesterday	Cont
14	R14WKVLNTRMN	r14wkvlntrmn:w14 r minutes worked or volunteered yesterday	Cont
11	S11WKVLNTRMN	s11wkvlntrmn:w11 s minutes worked or volunteered yesterday	Cont
12	S12WKVLNTRMN	s12wkvlntrmn:w12 s minutes worked or volunteered yesterday	Cont
13	S13WKVLNTRMN	s13wkvlntrmn:w13 s minutes worked or volunteered yesterday	Cont
14	S14WKVLNTRMN	s14wkvlntrmn:w14 s minutes worked or volunteered yesterday	Cont
15	R15WKVLNTRTM	r15wkvlntrtm:w15 r time worked or volunteered yesterday	Categ
15	S15WKVLNTRTM	s15wkvlntrtm:w15 s time worked or volunteered yesterday	Categ
11	R11WALKEX	r11walkex:w11 Affective Experience: r walked or exercised	Categ
12	R12WALKEX	r12walkex:w12 Affective Experience: r walked or exercised	Categ
13	R13WALKEX	r13walkex:w13 Affective Experience: r walked or exercised	Categ
14	R14WALKEX	r14walkex:w14 Affective Experience: r walked or exercised	Categ

11	S11WALKEX	s11walkex:w11	Affective Experience: s walked or exercised	Categ
12	S12WALKEX	s12walkex:w12	Affective Experience: s walked or exercised	Categ
13	S13WALKEX	s13walkex:w13	Affective Experience: s walked or exercised	Categ
14	S14WALKEX	s14walkex:w14	Affective Experience: s walked or exercised	Categ
11	R11WALKEXMN	r11walkexmn:w11	r minutes walked or exercised yesterday	Cont
12	R12WALKEXMN	r12walkexmn:w12	r minutes walked or exercised yesterday	Cont
13	R13WALKEXMN	r13walkexmn:w13	r minutes walked or exercised yesterday	Cont
14	R14WALKEXMN	r14walkexmn:w14	r minutes walked or exercised yesterday	Cont
11	S11WALKEXMN	s11walkexmn:w11	s minutes walked or exercised yesterday	Cont
12	S12WALKEXMN	s12walkexmn:w12	s minutes walked or exercised yesterday	Cont
13	S13WALKEXMN	s13walkexmn:w13	s minutes walked or exercised yesterday	Cont
14	S14WALKEXMN	s14walkexmn:w14	s minutes walked or exercised yesterday	Cont
15	R15WALK	r15walk:w15	Affective Experience: r walked	Categ
15	S15WALK	s15walk:w15	Affective Experience: s walked	Categ
15	R15WALKTM	r15walktm:w15	r time walked yesterday	Categ
15	S15WALKTM	s15walktm:w15	s time walked yesterday	Categ
15	R15EXER	r15exer:w15	Affective Experience: r exercised	Categ
15	S15EXER	s15exer:w15	Affective Experience: s exercised	Categ
15	R15EXERTM	r15exertm:w15	r time exercised yesterday	Categ
15	S15EXERTM	s15exertm:w15	s time exercised yesterday	Categ
11	R11HLTHAC	r11hlthac:w11	Affective Experience: r health-related activit	Categ
12	R12HLTHAC	r12hlthac:w12	Affective Experience: r health-related activit	Categ
13	R13HLTHAC	r13hlthac:w13	Affective Experience: r health-related activit	Categ
14	R14HLTHAC	r14hlthac:w14	Affective Experience: r health-related activit	Categ
15	R15HLTHAC	r15hlthac:w15	Affective Experience: r health-related activit	Categ
11	S11HLTHAC	s11hlthac:w11	Affective Experience: s health-related activit	Categ
12	S12HLTHAC	s12hlthac:w12	Affective Experience: s health-related activit	Categ
13	S13HLTHAC	s13hlthac:w13	Affective Experience: s health-related activit	Categ
14	S14HLTHAC	s14hlthac:w14	Affective Experience: s health-related activit	Categ
15	S15HLTHAC	s15hlthac:w15	Affective Experience: s health-related activit	Categ
11	R11HLTHACMN	r11hlthacmn:w11	r minutes doing health-related activity yest	Cont
12	R12HLTHACMN	r12hlthacmn:w12	r minutes doing health-related activity yest	Cont
13	R13HLTHACMN	r13hlthacmn:w13	r minutes doing health-related activity yest	Cont
14	R14HLTHACMN	r14hlthacmn:w14	r minutes doing health-related activity yest	Cont
11	S11HLTHACMN	s11hlthacmn:w11	s minutes doing health-related activity yest	Cont
12	S12HLTHACMN	s12hlthacmn:w12	s minutes doing health-related activity yest	Cont
13	S13HLTHACMN	s13hlthacmn:w13	s minutes doing health-related activity yest	Cont
14	S14HLTHACMN	s14hlthacmn:w14	s minutes doing health-related activity yest	Cont
15	R15HLTHACTM	r15hlthactm:w15	r time doing health-related activity yesterd	Categ
15	S15HLTHACTM	s15hlthactm:w15	s time doing health-related activity yesterd	Categ
11	R11TRVLCOM	r11trvlcom:w11	Affective Experience: r traveled or commuted	Categ
12	R12TRVLCOM	r12trvlcom:w12	Affective Experience: r traveled or commuted	Categ
13	R13TRVLCOM	r13trvlcom:w13	Affective Experience: r traveled or commuted	Categ
14	R14TRVLCOM	r14trvlcom:w14	Affective Experience: r traveled or commuted	Categ
15	R15TRVLCOM	r15trvlcom:w15	Affective Experience: r traveled or commuted	Categ

11	S11TRVLCOM	s11trvlcom:w11	Affective Experience: s	traveled or commuted	Categ
12	S12TRVLCOM	s12trvlcom:w12	Affective Experience: s	traveled or commuted	Categ
13	S13TRVLCOM	s13trvlcom:w13	Affective Experience: s	traveled or commuted	Categ
14	S14TRVLCOM	s14trvlcom:w14	Affective Experience: s	traveled or commuted	Categ
15	S15TRVLCOM	s15trvlcom:w15	Affective Experience: s	traveled or commuted	Categ
11	R11TRVLCOMMN	r11trvlcommn:w11	r minutes traveled or commuted yesterday		Cont
12	R12TRVLCOMMN	r12trvlcommn:w12	r minutes traveled or commuted yesterday		Cont
13	R13TRVLCOMMN	r13trvlcommn:w13	r minutes traveled or commuted yesterday		Cont
14	R14TRVLCOMMN	r14trvlcommn:w14	r minutes traveled or commuted yesterday		Cont
11	S11TRVLCOMMN	s11trvlcommn:w11	s minutes traveled or commuted yesterday		Cont
12	S12TRVLCOMMN	s12trvlcommn:w12	s minutes traveled or commuted yesterday		Cont
13	S13TRVLCOMMN	s13trvlcommn:w13	s minutes traveled or commuted yesterday		Cont
14	S14TRVLCOMMN	s14trvlcommn:w14	s minutes traveled or commuted yesterday		Cont
15	R15TRVLCOMTM	r15trvlcomtm:w15	r time traveled or commuted yesterday		Categ
15	S15TRVLCOMTM	s15trvlcomtm:w15	s time traveled or commuted yesterday		Categ
11	R11TMFRND	r11tmfrnd:w11	Affective Experience: r	spent time with friend	Categ
12	R12TMFRND	r12tmfrnd:w12	Affective Experience: r	spent time with friend	Categ
13	R13TMFRND	r13tmfrnd:w13	Affective Experience: r	spent time with friend	Categ
14	R14TMFRND	r14tmfrnd:w14	Affective Experience: r	spent time with friend	Categ
15	R15TMFRND	r15tmfrnd:w15	Affective Experience: r	spent time with friend	Categ
11	S11TMFRND	s11tmfrnd:w11	Affective Experience: s	spent time with friend	Categ
12	S12TMFRND	s12tmfrnd:w12	Affective Experience: s	spent time with friend	Categ
13	S13TMFRND	s13tmfrnd:w13	Affective Experience: s	spent time with friend	Categ
14	S14TMFRND	s14tmfrnd:w14	Affective Experience: s	spent time with friend	Categ
15	S15TMFRND	s15tmfrnd:w15	Affective Experience: s	spent time with friend	Categ
11	R11TMFRNDMN	r11tmfrndmn:w11	r minutes spent with friends yesterday		Cont
12	R12TMFRNDMN	r12tmfrndmn:w12	r minutes spent with friends yesterday		Cont
13	R13TMFRNDMN	r13tmfrndmn:w13	r minutes spent with friends yesterday		Cont
14	R14TMFRNDMN	r14tmfrndmn:w14	r minutes spent with friends yesterday		Cont
11	S11TMFRNDMN	s11tmfrndmn:w11	s minutes spent with friends yesterday		Cont
12	S12TMFRNDMN	s12tmfrndmn:w12	s minutes spent with friends yesterday		Cont
13	S13TMFRNDMN	s13tmfrndmn:w13	s minutes spent with friends yesterday		Cont
14	S14TMFRNDMN	s14tmfrndmn:w14	s minutes spent with friends yesterday		Cont
15	R15TMFRNDTM	r15tmfrndtm:w15	r time spent with friends yesterday		Categ
15	S15TMFRNDTM	s15tmfrndtm:w15	s time spent with friends yesterday		Categ
11	R11TMSELF	r11tmself:w11	Affective Experience: r	spent time alone	Categ
12	R12TMSELF	r12tmself:w12	Affective Experience: r	spent time alone	Categ
13	R13TMSELF	r13tmself:w13	Affective Experience: r	spent time alone	Categ
14	R14TMSELF	r14tmself:w14	Affective Experience: r	spent time alone	Categ
15	R15TMSELF	r15tmself:w15	Affective Experience: r	spent time alone	Categ
11	S11TMSELF	s11tmself:w11	Affective Experience: s	spent time alone	Categ
12	S12TMSELF	s12tmself:w12	Affective Experience: s	spent time alone	Categ
13	S13TMSELF	s13tmself:w13	Affective Experience: s	spent time alone	Categ
14	S14TMSELF	s14tmself:w14	Affective Experience: s	spent time alone	Categ
15	S15TMSELF	s15tmself:w15	Affective Experience: s	spent time alone	Categ
11	R11TMSELFMN	r11tmselfmn:w11	r minutes spent alone yesterday		Cont
12	R12TMSELFMN	r12tmselfmn:w12	r minutes spent alone yesterday		Cont
13	R13TMSELFMN	r13tmselfmn:w13	r minutes spent alone yesterday		Cont
14	R14TMSELFMN	r14tmselfmn:w14	r minutes spent alone yesterday		Cont

11	S11TMSELFMN	s11tmselfmn:w11 s minutes spent alone yesterday	Cont
12	S12TMSELFMN	s12tmselfmn:w12 s minutes spent alone yesterday	Cont
13	S13TMSELFMN	s13tmselfmn:w13 s minutes spent alone yesterday	Cont
14	S14TMSELFMN	s14tmselfmn:w14 s minutes spent alone yesterday	Cont
15	R15TMSELFTM	r15tmselftm:w15 r time spent alone yesterday	Categ
15	S15TMSELFTM	s15tmselftm:w15 s time spent alone yesterday	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R11WTCHTV	7288	0.87	0.33	0.00	1.00
R12WTCHTV	7432	0.87	0.34	0.00	1.00
R13WTCHTV	6280	0.87	0.33	0.00	1.00
R14WTCHTV	5627	0.87	0.34	0.00	1.00
R15WTCHTV	4592	0.94	0.24	0.00	1.00
S11WTCHTV	4580	0.88	0.33	0.00	1.00
S12WTCHTV	4582	0.88	0.33	0.00	1.00
S13WTCHTV	3734	0.88	0.32	0.00	1.00
S14WTCHTV	3342	0.88	0.33	0.00	1.00
S15WTCHTV	2631	0.95	0.22	0.00	1.00
R11WTCHTVMN	7233	196.96	161.68	0.00	1440.00
R12WTCHTVMN	7363	198.61	164.58	0.00	1440.00
R13WTCHTVMN	6196	203.31	170.62	0.00	1440.00
R14WTCHTVMN	5557	202.77	167.16	0.00	1440.00
S11WTCHTVMN	4553	183.34	142.80	0.00	1440.00
S12WTCHTVMN	4542	186.42	147.32	0.00	1440.00
S13WTCHTVMN	3700	192.90	155.23	0.00	1350.00
S14WTCHTVMN	3304	192.95	155.45	0.00	1230.00
R15WTCHTVTM	4443	3.07	1.23	0.00	5.00
S15WTCHTVTM	2559	3.02	1.15	0.00	5.00
R11WKVLNTR	7199	0.27	0.44	0.00	1.00
R12WKVLNTR	7331	0.26	0.44	0.00	1.00
R13WKVLNTR	6176	0.28	0.45	0.00	1.00
R14WKVLNTR	5550	0.26	0.44	0.00	1.00
R15WKVLNTR	4545	0.29	0.45	0.00	1.00
S11WKVLNTR	4526	0.29	0.45	0.00	1.00
S12WKVLNTR	4538	0.28	0.45	0.00	1.00
S13WKVLNTR	3692	0.30	0.46	0.00	1.00
S14WKVLNTR	3311	0.28	0.45	0.00	1.00
S15WKVLNTR	2607	0.30	0.46	0.00	1.00
R11WKVLNTRMN	7189	100.15	193.06	0.00	1440.00
R12WKVLNTRMN	7324	95.98	187.95	0.00	1440.00
R13WKVLNTRMN	6171	104.89	198.38	0.00	1440.00
R14WKVLNTRMN	5558	97.85	192.70	0.00	1440.00
S11WKVLNTRMN	4518	109.94	201.19	0.00	1440.00
S12WKVLNTRMN	4532	106.57	197.09	0.00	1440.00
S13WKVLNTRMN	3684	116.09	205.15	0.00	1440.00
S14WKVLNTRMN	3313	109.56	203.37	0.00	1440.00
R15WKVLNTRTM	4493	0.92	1.69	0.00	5.00

S15WKVLNTRTM	2573	1.03	1.78	0.00	5.00
R11WALKEK	7241	0.48	0.50	0.00	1.00
R12WALKEK	7385	0.51	0.50	0.00	1.00
R13WALKEK	6213	0.50	0.50	0.00	1.00
R14WALKEK	5593	0.51	0.50	0.00	1.00
S11WALKEK	4547	0.49	0.50	0.00	1.00
S12WALKEK	4555	0.51	0.50	0.00	1.00
S13WALKEK	3705	0.50	0.50	0.00	1.00
S14WALKEK	3327	0.51	0.50	0.00	1.00
R11WALKEXMN	7092	47.07	96.74	0.00	1320.00
R12WALKEXMN	7206	49.15	96.56	0.00	1260.00
R13WALKEXMN	6050	49.69	97.85	0.00	1440.00
R14WALKEXMN	5496	52.75	99.47	0.00	1440.00
S11WALKEXMN	4447	48.74	95.04	0.00	1320.00
S12WALKEXMN	4444	50.01	96.53	0.00	1260.00
S13WALKEXMN	3609	50.01	97.13	0.00	1440.00
S14WALKEXMN	3262	53.92	99.69	0.00	1350.00
R15WALK	4526	0.43	0.50	0.00	1.00
S15WALK	2595	0.42	0.49	0.00	1.00
R15WALKTM	4383	0.65	0.93	0.00	5.00
S15WALKTM	2523	0.65	0.93	0.00	5.00
R15EXER	4586	0.31	0.46	0.00	1.00
S15EXER	2628	0.31	0.46	0.00	1.00
R15EXERTM	4491	0.44	0.79	0.00	5.00
S15EXERTM	2575	0.44	0.79	0.00	5.00
R11HLTHAC	7152	0.36	0.48	0.00	1.00
R12HLTHAC	7302	0.37	0.48	0.00	1.00
R13HLTHAC	6159	0.38	0.48	0.00	1.00
R14HLTHAC	5543	0.38	0.49	0.00	1.00
R15HLTHAC	4579	0.21	0.41	0.00	1.00
S11HLTHAC	4500	0.35	0.48	0.00	1.00
S12HLTHAC	4513	0.37	0.48	0.00	1.00
S13HLTHAC	3677	0.37	0.48	0.00	1.00
S14HLTHAC	3305	0.36	0.48	0.00	1.00
S15HLTHAC	2626	0.20	0.40	0.00	1.00
R11HLTHACMN	6964	22.84	79.74	0.00	1440.00
R12HLTHACMN	7100	24.02	81.09	0.00	1440.00
R13HLTHACMN	5967	24.66	79.81	0.00	1440.00
R14HLTHACMN	5421	27.77	86.42	0.00	1440.00
S11HLTHACMN	4378	19.77	67.65	0.00	1440.00
S12HLTHACMN	4384	22.24	77.01	0.00	1440.00
S13HLTHACMN	3547	22.58	75.39	0.00	1440.00
S14HLTHACMN	3239	25.28	80.97	0.00	1440.00
R15HLTHACTM	4445	0.32	0.78	0.00	5.00
S15HLTHACTM	2545	0.31	0.76	0.00	5.00

R11TRVLCOM	7233	0.55	0.50	0.00	1.00
R12TRVLCOM	7345	0.57	0.50	0.00	1.00
R13TRVLCOM	6211	0.57	0.50	0.00	1.00
R14TRVLCOM	5590	0.56	0.50	0.00	1.00
R15TRVLCOM	4577	0.50	0.50	0.00	1.00
S11TRVLCOM	4554	0.57	0.49	0.00	1.00
S12TRVLCOM	4535	0.59	0.49	0.00	1.00
S13TRVLCOM	3703	0.58	0.49	0.00	1.00
S14TRVLCOM	3331	0.57	0.49	0.00	1.00
S15TRVLCOM	2627	0.52	0.50	0.00	1.00
R11TRVLCOMMN	7011	50.23	83.02	0.00	1200.00
R12TRVLCOMMN	7132	54.64	97.90	0.00	1320.00
R13TRVLCOMMN	5978	55.24	96.56	0.00	1260.00
R14TRVLCOMMN	5471	53.30	90.49	0.00	1205.00
S11TRVLCOMMN	4404	53.83	85.38	0.00	1200.00
S12TRVLCOMMN	4378	58.64	101.73	0.00	1290.00
S13TRVLCOMMN	3551	56.61	95.60	0.00	1260.00
S14TRVLCOMMN	3259	55.22	92.12	0.00	1200.00
R15TRVLCOMTM	4411	0.91	1.17	0.00	5.00
S15TRVLCOMTM	2529	0.96	1.19	0.00	5.00
R11TMFRND	7229	0.59	0.49	0.00	1.00
R12TMFRND	7357	0.61	0.49	0.00	1.00
R13TMFRND	6215	0.59	0.49	0.00	1.00
R14TMFRND	5614	0.58	0.49	0.00	1.00
R15TMFRND	4576	0.58	0.49	0.00	1.00
S11TMFRND	4547	0.57	0.49	0.00	1.00
S12TMFRND	4544	0.59	0.49	0.00	1.00
S13TMFRND	3705	0.55	0.50	0.00	1.00
S14TMFRND	3337	0.55	0.50	0.00	1.00
S15TMFRND	2628	0.56	0.50	0.00	1.00
R11TMFRNDMN	6939	117.61	175.18	0.00	1440.00
R12TMFRNDMN	7014	116.81	167.65	0.00	1440.00
R13TMFRNDMN	5924	111.95	167.69	0.00	1440.00
R14TMFRNDMN	5407	116.09	171.79	0.00	1440.00
S11TMFRNDMN	4374	109.61	165.29	0.00	1440.00
S12TMFRNDMN	4337	109.91	163.71	0.00	1440.00
S13TMFRNDMN	3535	98.94	153.74	0.00	1440.00
S14TMFRNDMN	3222	107.82	163.81	0.00	1440.00
R15TMFRNDTM	4383	1.37	1.47	0.00	5.00
S15TMFRNDTM	2525	1.29	1.46	0.00	5.00
R11TMSELF	7222	0.46	0.50	0.00	1.00
R12TMSELF	7335	0.48	0.50	0.00	1.00
R13TMSELF	6206	0.50	0.50	0.00	1.00
R14TMSELF	5581	0.49	0.50	0.00	1.00
R15TMSELF	4580	0.56	0.50	0.00	1.00
S11TMSELF	4549	0.33	0.47	0.00	1.00
S12TMSELF	4543	0.34	0.48	0.00	1.00
S13TMSELF	3701	0.36	0.48	0.00	1.00
S14TMSELF	3317	0.35	0.48	0.00	1.00

S15TMSELF	2628	0.44	0.50	0.00	1.00
R11TMSELMN	6911	215.69	371.66	0.00	1440.00
R12TMSELMN	7012	223.22	373.09	0.00	1440.00
R13TMSELMN	5878	228.24	374.38	0.00	1440.00
R14TMSELMN	5348	234.46	378.06	0.00	1440.00
S11TMSELMN	4410	89.65	199.48	0.00	1440.00
S12TMSELMN	4402	93.09	202.14	0.00	1440.00
S13TMSELMN	3550	94.94	203.26	0.00	1440.00
S14TMSELMN	3230	97.01	201.02	0.00	1440.00
R15TMSEFTM	4310	1.93	2.05	0.00	5.00
S15TMSEFTM	2541	1.24	1.68	0.00	5.00

### Categorical Variable Codes

Value-----	R11WTCHTV	R12WTCHTV	R13WTCHTV	R14WTCHTV	R15WTCHTV
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	124	109	90	112	78
0.No	912	964	801	743	282
1.Yes	6376	6468	5479	4884	4310

Value-----	S11WTCHTV	S12WTCHTV	S13WTCHTV	S14WTCHTV	S15WTCHTV
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	56	53	46	56	37
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.No	567	565	438	408	134
1.Yes	4013	4017	3296	2934	2497

Value-----	R15WTCHTVTM
.c:no self-completion quest	11053
.m:Missing	227
0. None	282
1. Less than 1 hour	230
2. 1 hour	431
3. 2 to 3 hours	1883
4. 4 to 6 hours	1202
5. 7 or more hours	415

Value-----	S15WTCHTVTM
.c:no self-completion quest	5798
.m:Missing	109
.u:not coupled	6202
.v:SP NR	1055
0. None	134
1. Less than 1 hour	140
2. 1 hour	268
3. 2 to 3 hours	1190
4. 4 to 6 hours	652
5. 7 or more hours	175

Value-----	R11WKVLNTR	R12WKVLNTR	R13WKVLNTR	R14WKVLNTR	R15WKVLNTR
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	213	210	194	189	125
0.No	5256	5400	4454	4100	3249
1.Yes	1943	1931	1722	1450	1296

Value-----	S11WKVLNTR	S12WKVLNTR	S13WKVLNTR	S14WKVLNTR	S15WKVLNTR
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	110	97	88	87	61
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.No	3217	3247	2569	2371	1817
1.Yes	1309	1291	1123	940	790

Value-----	R15WKVLNTRTM
.c:no self-completion quest	11053
.m:Missing	177

0. None		3249
1. Less than 1 hour		250
2. 1 hour		133
3. 2 to 3 hours		237
4. 4 to 6 hours		200
5. 7 or more hours		424

Value-----					S15WKVLNTRTM
.c:no self-completion quest					5798
.m:Missing					95
.u:not coupled					6202
.v:SP NR					1055
0. None					1817
1. Less than 1 hour					120
2. 1 hour					78
3. 2 to 3 hours					142
4. 4 to 6 hours					134
5. 7 or more hours					282

Value-----	R11WALKEX	R12WALKEX	R13WALKEX	R14WALKEX
.c:no self-completion quest	13142	11206	14542	11407
.m:Missing	171	156	157	146
0.No	3762	3652	3115	2743
1.Yes	3479	3733	3098	2850

Value-----	S11WALKEX	S12WALKEX	S13WALKEX	S14WALKEX
.c:no self-completion quest	7840	6377	7998	5960
.m:Missing	89	80	75	71
.u:not coupled	7483	7125	8025	6684
.v:SP NR	595	610	1109	1104
0.No	2336	2253	1850	1636
1.Yes	2211	2302	1855	1691

Value-----					R15WALK
.c:no self-completion quest					11053
.m:Missing					144
0.No					2582
1.Yes					1944

Value-----					S15WALK
.c:no self-completion quest					5798
.m:Missing					73
.u:not coupled					6202
.v:SP NR					1055
0.No					1497
1.Yes					1098

Value-----					R15WALKTM
.c:no self-completion quest					11053
.m:Missing					287
0. None					2582
1. Less than 1 hour					1025
2. 1 hour					566
3. 2 to 3 hours					170
4. 4 to 6 hours					24
5. 7 or more hours					16

Value-----					S15WALKTM
.c:no self-completion quest					5798
.m:Missing					145
.u:not coupled					6202
.v:SP NR					1055
0. None					1497
1. Less than 1 hour					572
2. 1 hour					331
3. 2 to 3 hours					100
4. 4 to 6 hours					13
5. 7 or more hours					10

Value-----					R15EXER
.c:no self-completion quest					11053
.m:Missing					84
0.No					3182
1.Yes					1404

Value-----					S15EXER
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.c:no self-completion quest	5798
.m:Missing	40
.u:not coupled	6202
.v:SP NR	1055
0.No	1821
1.Yes	807

Value-----	R15EXERTM
.c:no self-completion quest	11053
.m:Missing	179
0. None	3182
1. Less than 1 hour	794
2. 1 hour	402
3. 2 to 3 hours	92
4. 4 to 6 hours	14
5. 7 or more hours	7

Value-----	S15EXERTM
.c:no self-completion quest	5798
.m:Missing	93
.u:not coupled	6202
.v:SP NR	1055
0. None	1821
1. Less than 1 hour	444
2. 1 hour	247
3. 2 to 3 hours	52
4. 4 to 6 hours	8
5. 7 or more hours	3

Value-----	R11HLTHAC	R12HLTHAC	R13HLTHAC	R14HLTHAC	R15HLTHAC
.c:no self-completion quest	13142	11206	14542	11407	11053
.m:Missing	260	239	211	196	91
0.No	4544	4586	3846	3430	3613
1.Yes	2608	2716	2313	2113	966

Value-----	S11HLTHAC	S12HLTHAC	S13HLTHAC	S14HLTHAC	S15HLTHAC
.c:no self-completion quest	7840	6377	7998	5960	5798
.m:Missing	136	122	103	93	42
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.No	2926	2863	2329	2106	2089
1.Yes	1574	1650	1348	1199	537

Value-----	R15HLTHACTM
.c:no self-completion quest	11053
.m:Missing	225
0. None	3613
1. Less than 1 hour	448
2. 1 hour	216
3. 2 to 3 hours	132
4. 4 to 6 hours	24
5. 7 or more hours	12

Value-----	S15HLTHACTM
.c:no self-completion quest	5798
.m:Missing	123
.u:not coupled	6202
.v:SP NR	1055
0. None	2089
1. Less than 1 hour	243
2. 1 hour	129
3. 2 to 3 hours	66
4. 4 to 6 hours	12
5. 7 or more hours	6

Value-----	R11TRVLCOM	R12TRVLCOM	R13TRVLCOM	R14TRVLCOM	R15TRVLCOM
.c:no self-completion quest	13142	11206	14542	11408	11053
.m:Missing	179	196	159	148	93
0.No	3265	3185	2698	2467	2299
1.Yes	3968	4160	3513	3123	2278

Value-----	S11TRVLCOM	S12TRVLCOM	S13TRVLCOM	S14TRVLCOM	S15TRVLCOM
.c:no self-completion quest	7840	6377	7998	5961	5798
.m:Missing	82	100	77	66	41
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055

0.No	1939	1838	1542	1421	1266
1.Yes	2615	2697	2161	1910	1361

Value-----					R15TRVLCOMTM
.c:no self-completion quest					11053
.m:Missing					259
0. None					2299
1. Less than 1 hour					930
2. 1 hour					607
3. 2 to 3 hours					467
4. 4 to 6 hours					67
5. 7 or more hours					41

Value-----					S15TRVLCOMTM
.c:no self-completion quest					5798
.m:Missing					139
.u:not coupled					6202
.v:SP NR					1055
0. None					1266
1. Less than 1 hour					550
2. 1 hour					369
3. 2 to 3 hours					269
4. 4 to 6 hours					44
5. 7 or more hours					31

Value-----	R11TMFRND	R12TMFRND	R13TMFRND	R14TMFRND	R15TMFRND
.c:no self-completion quest	13142	11206	14542	11408	11053
.m:Missing	183	184	155	124	94
0.No	2931	2878	2551	2340	1912
1.Yes	4298	4479	3664	3274	2664

Value-----	S11TMFRND	S12TMFRND	S13TMFRND	S14TMFRND	S15TMFRND
.c:no self-completion quest	7840	6377	7998	5961	5798
.m:Missing	89	91	75	60	40
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.No	1945	1877	1649	1495	1167
1.Yes	2602	2667	2056	1842	1461

Value-----					R15TMFRNDTM
.c:no self-completion quest					11053
.m:Missing					287
0. None					1912
1. Less than 1 hour					657
2. 1 hour					600
3. 2 to 3 hours					810
4. 4 to 6 hours					303
5. 7 or more hours					101

Value-----					S15TMFRNDTM
.c:no self-completion quest					5798
.m:Missing					143
.u:not coupled					6202
.v:SP NR					1055
0. None					1167
1. Less than 1 hour					390
2. 1 hour					310
3. 2 to 3 hours					427
4. 4 to 6 hours					179
5. 7 or more hours					52

Value-----	R11TMSELF	R12TMSELF	R13TMSELF	R14TMSELF	R15TMSELF
.c:no self-completion quest	13142	11206	14542	11408	11053
.m:Missing	190	206	164	157	90
0.No	3895	3850	3121	2841	1997
1.Yes	3327	3485	3085	2740	2583

Value-----	S11TMSELF	S12TMSELF	S13TMSELF	S14TMSELF	S15TMSELF
.c:no self-completion quest	7840	6377	7998	5961	5798
.m:Missing	87	92	79	80	40
.u:not coupled	7483	7125	8025	6684	6202
.v:SP NR	595	610	1109	1104	1055
0.No	3033	2977	2361	2151	1479
1.Yes	1516	1566	1340	1166	1149

Value-----					R15TMSELFTM
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.c:no self-completion quest		11053
.m:Missing		360
0. None		1997
1. Less than 1 hour		256
2. 1 hour		250
3. 2 to 3 hours		539
4. 4 to 6 hours		415
5. 7 or more hours		853
Value-----		S15TMSELFTM
.c:no self-completion quest		5798
.m:Missing		127
.u:not coupled		6202
.v:SP NR		1055
0. None		1479
1. Less than 1 hour		190
2. 1 hour		180
3. 2 to 3 hours		342
4. 4 to 6 hours		186
5. 7 or more hours		164

### How Constructed:

The following variables pertain to the respondent's activity-related affective experience yesterday. The respondent is given the following prompt, "Please think about the things you did yesterday. How did you spend your time and how did you feel?"

RwWTCHTV indicates whether the respondent watched TV yesterday, and is coded as 0 for no, and 1 for yes.

RwWTCHTMN is available in Waves 11 to 14, indicates the number of minutes the respondent watched TV yesterday and is provided as a continuous value. The respondent can report the number of hours and number of minutes, which have been adjusted to provide the total number of minutes. RwWTCHVTM is available starting in Wave 15, indicates the number of hours the respondent watched TV yesterday and is provided as a categorical value. The respondent can report in the following categories: 0. none, 1. less than 1 hour, 2. 1 hour, 3. 2 to 3 hours, 4. 4 to 6 hours, 5. 7 or more hours. If the respondent did not watch TV yesterday, then RwWTCHTMN and RwWTCHVTM are set to 0.

RwWKVLNTR indicates whether the respondent worked or volunteered yesterday, and is coded as 0 for no, and 1 for yes.

RwWKVLNTRMN indicates the number of minutes the respondent worked or volunteered yesterday and is provided as a continuous value. The respondent can report the number of hours and number of minutes, which have been adjusted to provide the total number of minutes. RwWKVLNTRTM indicates the number of hours the respondent worked or volunteered yesterday and is provided as a categorical value. The respondent can report in the following categories: 1. less than 1 hour 2. 1 hour 3. 2 to 3 hours 4. 4 to 6 hours 5. 7 or more hours. If the respondent did not work or volunteer yesterday, then RwWKVLNTRMN and RwWKVLNTRTM are set to 0.

RwWALKEX is available in Waves 11 to 14, indicates whether the respondent walked or exercised yesterday, and is coded as 0 for no, and 1 for yes. Starting in Wave 15, the respondent was asked separately whether they walked or exercised yesterday. RwWALK indicates whether the respondent walked yesterday, and is coded as 0 for no, and 1 for yes. RwEXER indicates whether the respondent exercised yesterday, and is coded as 0 for no, and 1 for yes.

RwWALKEXMN is available in Waves 11 to 14, indicates the number of minutes the respondent walked or exercised yesterday and is provided as a continuous value. The respondent can report the number of hours and number of minutes, which have been adjusted to provide the total number of minutes. RwWALKTM is available starting in Wave 15, indicates the number of hours the respondent walked yesterday and is provided as a categorical value. The respondent can report in the following categories: 0. none, 1. less than 1 hour, 2. 1 hour, 3. 2 to 3 hours, 4. 4 to 6 hours, 5. 7 or more hours. RwEXERTM is available starting in Wave 15, indicates the number of hours the respondent exercised yesterday and is provided as a categorical value. The respondent can report in the following categories: 0. none, 1. less than 1 hour, 2. 1 hour, 3. 2 to 3 hours, 4. 4 to 6 hours, 5. 7 or more hours. If the respondent did not walk or exercise yesterday, then RwWALKEXMN, RwWALKTM, and RwEXERTM are set to 0.

RwHLTHAC indicates whether the respondent did health-related activities yesterday, other than walking or exercising (e.g., visiting a doctor, taking medications, doing treatments) and is coded as 0 for no, and 1 for yes.

RwHLTHACMN is available in Waves 11 to 14, indicates the number of minutes the respondent did health-related activities yesterday and is provided as a continuous value. The respondent can report the number of hours and number of minutes, which have been adjusted to provide the total number of minutes.

RwHLTHACTM is available starting in Wave 15, indicates the number of hours the respondent did health-related activities yesterday and is provided as a categorical value. The respondent can report in the following categories: 0. none, 1. less than 1 hour, 2. 1 hour, 3. 2 to 3 hours, 4. 4 to 6 hours, 5. 7 or more hours. If the respondent did not do health-related activities yesterday, then RwHLTHACMN and RwHLTHACTM are set to 0.

RwTRVLCOM indicates whether the respondent traveled or commuted yesterday, and is coded as 0 for no, and 1 for yes.

RwTRVLCOMM is available in Waves 11 to 14, indicates the number of minutes the respondent traveled or commuted yesterday and is provided as a continuous value. The respondent can report the number of hours and number of minutes, which have been adjusted to provide the total number of minutes. RwTRVLCOMTM is available starting in Wave 15, indicates the number of hours the respondent travel or commute yesterday and is provided as a categorical value. The respondent can report in the following categories: 0. none, 1. less than 1 hour, 2. 1 hour, 3. 2 to 3 hours, 4. 4 to 6 hours, 5. 7 or more hours. If the respondent did not travel or commute yesterday, then RwTRVLCOMM and RwTRVLCOMTM are set to 0.

RwTMFRND indicates whether the respondent spent time with friends yesterday, and is coded as 0 for no, and 1 for yes.

RwTMFRNDMN is available in Waves 11 to 14, indicates the number of minutes the respondent spent time with friends yesterday and is provided as a continuous value. The respondent can report the number of hours and number of minutes, which have been adjusted to provide the total number of minutes. RwTMFRNDTM is available starting in Wave 15, indicates the number of hours the respondent spent time with friends yesterday and is provided as a categorical value. The respondent can report in the following categories: 0. none, 1. less than 1 hour, 2. 1 hour, 3. 2 to 3 hours, 4. 4 to 6 hours, 5. 7 or more hours. If the respondent did not spend time with friends yesterday, then RwTMFRNDMN and RwTMFRNDTM are set to 0.

RwTMSELF indicates whether the respondent spent time home alone yesterday, and is coded as 0 for no, and 1 for yes.

RwTMSELMN is available in Waves 11 to 14, indicates the number of minutes the respondent spent time home alone yesterday and is provided as a continuous value. The respondent can report the number of hours and number of minutes, which have been adjusted to provide the total number of minutes. RwTMSELFMTM is available starting in Wave 15, indicates the number of hours the respondent spent time home alone yesterday and is provided as a categorical value. The respondent can report in the following categories: 0. none, 1. less than 1 hour, 2. 1 hour, 3. 2 to 3 hours, 4. 4 to 6 hours, 5. 7 or more hours. If the respondent did not spend time home by themselves yesterday, then RwTMSELMN and RwTMSELFMTM are set to 0.

These questions were added to the HRS psychosocial leave-behind survey starting at Wave 11. If the respondent did not return the self-completion questionnaire, then RwwTCHTV, RwwTCHTMN, RwwTCHVTM, RwwKVLNTR, RwwKVLNTRMN, RwwKVLNTRTM, RwwWALKEX, RwwWALK, RwwEXER, RwwWALKEXMN, RwwWALKEXTM, RwwWALKTM, RwwEXERTM, RwwHLTHAC, RwwHLTHACMN, RwwHLTHACTM, RwwTRVLCOM, RwwTRVLCOMM, RwwTRVLCOMTM, RwwTMFRND, RwwTMFRNDMN, RwwTMFRNDTM, RwwTMSELF, RwwTMSELMN, and RwwTMSELFMTM are assigned special missing value .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwWTCHTV, SwWTCHTMN, and SwWTCHVTM indicate whether and for how many minutes or hours the respondent's spouse watched TV yesterday, respectively, and their values are taken directly from the corresponding respondent variables. SwWKVLNTR, SwWKVLNTRMN, and SwWKVLNTRTM indicate whether and for how many minutes or hours the respondent's spouse worked or volunteered yesterday, respectively, and their values are taken directly from the corresponding respondent variables. SwWALKEX and SwWALKEXMN indicate whether and for how many minutes the respondent's spouse walked or exercised yesterday, respectively, and their values are taken directly from the corresponding respondent variables. SwWALK and SwWALKTM indicate whether and for how many hours the respondent's spouse walked yesterday, respectively, and their values are taken directly from the corresponding respondent variables. SwEXER and SwEXERTM indicate whether and

for how many hours the respondent's spouse exercised yesterday, respectively, and their values are taken directly from the corresponding respondent variables. SwHLTHAC, SwHLTHACMN, and SwHLTHACTM indicate whether and for how many minutes or hours the respondent's spouse did health-related activities yesterday, respectively, and their values are taken directly from the corresponding respondent variables. SwTRVLCOM, SwTRVLCOMMN, and SwTRVLCOMTM indicate whether and for how many minutes or hours the respondent's spouse traveled or commuted yesterday, respectively, and their values are taken directly from the corresponding respondent variables. SwTMFRND, SwTMFRNDMN, and SwTMFRNDTM indicate whether and for how many minutes or hours the respondent's spouse spent time with friends yesterday, respectively, and their values are taken directly from the corresponding respondent variables. SwTMSELF, SwTMSELFMN, and SwTMSELFTM indicate whether and for how many minutes or hours the respondent's spouse spent time home alone yesterday, respectively, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to activity-related items were added to HRS leave-behind survey starting in Wave 11.

In Wave 15, the HRS stopped asking the respondent the exact number of hours and number of minutes spent on each of the activities. Instead, the respondent is given the following prompt, "Please think about the things you did yesterday. How did you spend your time? How much time did you spend doing this? 1. less than 1 hour, 2. 1 hour, 3. 2 to 3 hours, 4. 4 to 6 hours, 5. 7 or more hours."

In Wave 15, the respondents were asked whether they walked or exercised separately, whereas these were asked in the same question previously.

## HRS Variables Used:

### Wave 11:

NLB054	q54. time spent watching tv yesterday
NLB055_HR	q55_hr. time watching tv - hours
NLB055_MI	q55_mi. time watching tv - minutes
NLB057	q57. volunteer yesterday
NLB058_HR	q58_hr. time spent on volunteering - hours
NLB058_MI	q58_mi. time spent on volunteering - minutes
NLB061	q61. walked or exercised yesterday
NLB062_HR	q62_hr. time spent waling or exercising - hours
NLB062_MI	q62_mi. time spent waling or exercising - minutes
NLB064	q64. health-related activities yesterday
NLB065_HR	q65_hr. time spent on doing health-related activities -
NLB065_MI	q65_mi. time spent on doing health-related activities -
NLB067	q67. travel or commute yesterday
NLB068_HR	q68_hr. time travelled yesterday - hours
NLB068_MI	q68_mi. time travelled yesterday - minutes
NLB070	q70. socializing with friends yesterday
NLB071_HR	q71_hr. time of socializing with friends - hours
NLB071_MI	q71_mi. time of socializing with friends - minutes
NLB073	q73. being at home yesterday
NLB074_HR	q74_hr. time spent at home - hours
NLB074_MI	q74_mi. time spent at home - minutes

### Wave 12:

OLB047	q47. time spent watching tv yesterday
OLB048_HR	q48_hr. time watching tv - hours
OLB048_MI	q48_mi. time watching tv - minutes
OLB050	q50. volunteer yesterday
OLB051_HR	q51_hr. time spent on volunteering - hours
OLB051_MI	q51_mi. time spent on volunteering - minutes
OLB054	q54. walked or exercised yesterday
OLB055_HR	q55_hr. time spent waling or exercising - hours
OLB055_MI	q55_mi. time spent waling or exercising - minutes

OLB057	q57. health-related activities yesterday
OLB058_HR	q58_hr. time spent on health-related activities - hrs
OLB058_MI	q58_mi. time spent on health-related activities - mins
OLB060	q60. travel or commute yesterday
OLB061_HR	q61_hr. time travelled yesterday - hours
OLB061_MI	q61_mi. time travelled yesterday - minutes
OLB063	q63. socializing with friends yesterday
OLB064_HR	q64_hr. time of socializing with friends - hours
OLB064_MI	q64_mi. time of socializing with friends - minutes
OLB066	q66. being at home yesterday
OLB067_HR	q67_hr. time spent at home - hours
OLB067_MI	q67_mi. time spent at home - minutes
Wave 13:	
PLB047	q47. time spent watching tv yesterday
PLB048_HR	q48_hr. time watching tv - hours
PLB048_MI	q48_mi. time watching tv - minutes
PLB050	q50. volunteer yesterday
PLB051_HR	q51_hr. time spent on volunteering - hours
PLB051_MI	q51_mi. time spent on volunteering - minutes
PLB054	q54. walked or exercised yesterday
PLB055_HR	q55_hr. time spent waling or exercising - hours
PLB055_MI	q55_mi. time spent waling or exercising - minutes
PLB057	q57. health-related activities yesterday
PLB058_HR	q58_hr. time spent on health-related activities - hrs
PLB058_MI	q58_mi. time spent on health-related activities - mins
PLB060	q60. travel or commute yesterday
PLB061_HR	q61_hr. time travelled yesterday - hours
PLB061_MI	q61_mi. time travelled yesterday - minutes
PLB063	q63. socializing with friends yesterday
PLB064_HR	q64_hr. time of socializing with friends - hours
PLB064_MI	q64_mi. time of socializing with friends - minutes
PLB066	q66. being at home yesterday
PLB067_HR	q67_hr. time spent at home - hours
PLB067_MI	q67_mi. time spent at home - minutes
Wave 14:	
QLB047	q47. watching tv
QLB048_HR	q48_hr. hour
QLB048_MI	q48_min. minutes
QLB050	q50. volunteer
QLB051_HR	q51_hr. hour
QLB051_MI	q51_min. minutes
QLB054	q54. walked or exercised
QLB055_HR	q55_hr. hour
QLB055_MI	q55_min. minutes
QLB057	q57. health-related activities
QLB058_HR	q58_hr. hour
QLB058_MI	q58_min. minutes
QLB060	q60. travel or commute
QLB061_HR	q61_hr. hour
QLB061_MI	q61_min. minutes
QLB063	q63. socializing with friends
QLB064_HR	q64_hr. hour
QLB064_MI	q64_min. minutes
QLB066	q66. being at home
QLB067_HR	q67_hr. hour
QLB067_MI	q67_min. minutes
Wave 15:	
RLB048A	q48a. watch tv
RLB048A1	q48a1. time spent - hours
RLB048B	q48b. work or volunteer
RLB048B1	q48b1. time spent - hours
RLB048C	q48c. go for a walk
RLB048C1	q48c1. time spent - hours

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RLB048D	q48d. do exercises at home or at a gym
RLB048D1	q48d1. time spent - hours
RLB048E	q48e. do health-related activities
RLB048E1	q48e1. time spent - hours
RLB048F	q48f. travel or commute
RLB048F1	q48f1. time spent - hours
RLB048G	q48g. socialize with friends or neighbors
RLB048G1	q48g1. time spent - hours
RLB048H	q48h. spend time at home by yourself
RLB048H1	q48h1. time spent - hours

<b>Day Reconstruction: Activity-Related Positive Affective Experience Yesterday</b>
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Wave	Variable	Label	Type
11	R11WTVHPY	r11wtvhpy:w11 Affective Experience Happy: r watching TV	Cont
12	R12WTVHPY	r12wtvhpy:w12 Affective Experience Happy: r watching TV	Cont
13	R13WTVHPY	r13wtvhpy:w13 Affective Experience Happy: r watching TV	Cont
14	R14WTVHPY	r14wtvhpy:w14 Affective Experience Happy: r watching TV	Cont
11	S11WTVHPY	s11wtvhpy:w11 Affective Experience Happy: s watching TV	Cont
12	S12WTVHPY	s12wtvhpy:w12 Affective Experience Happy: s watching TV	Cont
13	S13WTVHPY	s13wtvhpy:w13 Affective Experience Happy: s watching TV	Cont
14	S14WTVHPY	s14wtvhpy:w14 Affective Experience Happy: s watching TV	Cont
11	R11WTVINT	r11wtvint:w11 Affective Experience Interested: r watching TV	Cont
12	R12WTVINT	r12wtvint:w12 Affective Experience Interested: r watching TV	Cont
13	R13WTVINT	r13wtvint:w13 Affective Experience Interested: r watching TV	Cont
14	R14WTVINT	r14wtvint:w14 Affective Experience Interested: r watching TV	Cont
11	S11WTVINT	s11wtvint:w11 Affective Experience Interested: s watching TV	Cont
12	S12WTVINT	s12wtvint:w12 Affective Experience Interested: s watching TV	Cont
13	S13WTVINT	s13wtvint:w13 Affective Experience Interested: s watching TV	Cont
14	S14WTVINT	s14wtvint:w14 Affective Experience Interested: s watching TV	Cont
11	R11WTVCON	r11wtvcon:w11 Affective Experience Content: r watching TV	Cont
12	R12WTVCON	r12wtvcon:w12 Affective Experience Content: r watching TV	Cont
13	R13WTVCON	r13wtvcon:w13 Affective Experience Content: r watching TV	Cont
14	R14WTVCON	r14wtvcon:w14 Affective Experience Content: r watching TV	Cont
11	S11WTVCON	s11wtvcon:w11 Affective Experience Content: s watching TV	Cont
12	S12WTVCON	s12wtvcon:w12 Affective Experience Content: s watching TV	Cont
13	S13WTVCON	s13wtvcon:w13 Affective Experience Content: s watching TV	Cont
14	S14WTVCON	s14wtvcon:w14 Affective Experience Content: s watching TV	Cont
11	R11WTVPOS2	r11wtvpos2:w11 r watch tv: Pos Affect Index 2-item	Cont
12	R12WTVPOS2	r12wtvpos2:w12 r watch tv: Pos Affect Index 2-item	Cont
13	R13WTVPOS2	r13wtvpos2:w13 r watch tv: Pos Affect Index 2-item	Cont
14	R14WTVPOS2	r14wtvpos2:w14 r watch tv: Pos Affect Index 2-item	Cont
11	S11WTVPOS2	s11wtvpos2:w11 s watch tv: Pos Affect Index 2-item	Cont
12	S12WTVPOS2	s12wtvpos2:w12 s watch tv: Pos Affect Index 2-item	Cont
13	S13WTVPOS2	s13wtvpos2:w13 s watch tv: Pos Affect Index 2-item	Cont
14	S14WTVPOS2	s14wtvpos2:w14 s watch tv: Pos Affect Index 2-item	Cont
11	R11WTVPOS3	r11wtvpos3:w11 r watch tv: Pos Affect Index 3-item	Cont
12	R12WTVPOS3	r12wtvpos3:w12 r watch tv: Pos Affect Index 3-item	Cont
13	R13WTVPOS3	r13wtvpos3:w13 r watch tv: Pos Affect Index 3-item	Cont
14	R14WTVPOS3	r14wtvpos3:w14 r watch tv: Pos Affect Index 3-item	Cont
11	S11WTVPOS3	s11wtvpos3:w11 s watch tv: Pos Affect Index 3-item	Cont
12	S12WTVPOS3	s12wtvpos3:w12 s watch tv: Pos Affect Index 3-item	Cont
13	S13WTVPOS3	s13wtvpos3:w13 s watch tv: Pos Affect Index 3-item	Cont
14	S14WTVPOS3	s14wtvpos3:w14 s watch tv: Pos Affect Index 3-item	Cont
11	R11WTVPOS3M	r11wtvpos3m:w11 r watch tv: missings Pos Affect Index 3-item	Cont
12	R12WTVPOS3M	r12wtvpos3m:w12 r watch tv: missings Pos Affect Index 3-item	Cont
13	R13WTVPOS3M	r13wtvpos3m:w13 r watch tv: missings Pos Affect Index 3-item	Cont
14	R14WTVPOS3M	r14wtvpos3m:w14 r watch tv: missings Pos Affect Index 3-item	Cont
11	S11WTVPOS3M	s11wtvpos3m:w11 s watch tv: missings Pos Affect Index 3-item	Cont
12	S12WTVPOS3M	s12wtvpos3m:w12 s watch tv: missings Pos Affect Index 3-item	Cont



13	S13WTVPOS3M	s13wtvpos3m:w13	s watch tv: missings	Pos Affect Index 3-item	Cont
14	S14WTVPOS3M	s14wtvpos3m:w14	s watch tv: missings	Pos Affect Index 3-item	Cont
11	R11WKVHPY	r11wkvhpy:w11	Affective Experience	Happy: r working or volun	Cont
12	R12WKVHPY	r12wkvhpy:w12	Affective Experience	Happy: r working or volun	Cont
13	R13WKVHPY	r13wkvhpy:w13	Affective Experience	Happy: r working or volun	Cont
14	R14WKVHPY	r14wkvhpy:w14	Affective Experience	Happy: r working or volun	Cont
11	S11WKVHPY	s11wkvhpy:w11	Affective Experience	Happy: s working or volun	Cont
12	S12WKVHPY	s12wkvhpy:w12	Affective Experience	Happy: s working or volun	Cont
13	S13WKVHPY	s13wkvhpy:w13	Affective Experience	Happy: s working or volun	Cont
14	S14WKVHPY	s14wkvhpy:w14	Affective Experience	Happy: s working or volun	Cont
11	R11WKVINT	r11wkvint:w11	Affective Experience	Interested: r working or	Cont
12	R12WKVINT	r12wkvint:w12	Affective Experience	Interested: r working or	Cont
13	R13WKVINT	r13wkvint:w13	Affective Experience	Interested: r working or	Cont
14	R14WKVINT	r14wkvint:w14	Affective Experience	Interested: r working or	Cont
11	S11WKVINT	s11wkvint:w11	Affective Experience	Interested: s working or	Cont
12	S12WKVINT	s12wkvint:w12	Affective Experience	Interested: s working or	Cont
13	S13WKVINT	s13wkvint:w13	Affective Experience	Interested: s working or	Cont
14	S14WKVINT	s14wkvint:w14	Affective Experience	Interested: s working or	Cont
11	R11WKVCON	r11wkvcon:w11	Affective Experience	Content: r working or vol	Cont
12	R12WKVCON	r12wkvcon:w12	Affective Experience	Content: r working or vol	Cont
13	R13WKVCON	r13wkvcon:w13	Affective Experience	Content: r working or vol	Cont
14	R14WKVCON	r14wkvcon:w14	Affective Experience	Content: r working or vol	Cont
11	S11WKVCON	s11wkvcon:w11	Affective Experience	Content: s working or vol	Cont
12	S12WKVCON	s12wkvcon:w12	Affective Experience	Content: s working or vol	Cont
13	S13WKVCON	s13wkvcon:w13	Affective Experience	Content: s working or vol	Cont
14	S14WKVCON	s14wkvcon:w14	Affective Experience	Content: s working or vol	Cont
11	R11WKVPOS2	r11wkvpos2:w11	r worked/volunteered:	Pos Affect Index 2-item	Cont
12	R12WKVPOS2	r12wkvpos2:w12	r worked/volunteered:	Pos Affect Index 2-item	Cont
13	R13WKVPOS2	r13wkvpos2:w13	r worked/volunteered:	Pos Affect Index 2-item	Cont
14	R14WKVPOS2	r14wkvpos2:w14	r worked/volunteered:	Pos Affect Index 2-item	Cont
11	S11WKVPOS2	s11wkvpos2:w11	s worked/volunteered:	Pos Affect Index 2-item	Cont
12	S12WKVPOS2	s12wkvpos2:w12	s worked/volunteered:	Pos Affect Index 2-item	Cont
13	S13WKVPOS2	s13wkvpos2:w13	s worked/volunteered:	Pos Affect Index 2-item	Cont
14	S14WKVPOS2	s14wkvpos2:w14	s worked/volunteered:	Pos Affect Index 2-item	Cont
11	R11WKVPOS3	r11wkvpos3:w11	r worked/volunteered:	Pos Affect Index 3-item	Cont
12	R12WKVPOS3	r12wkvpos3:w12	r worked/volunteered:	Pos Affect Index 3-item	Cont
13	R13WKVPOS3	r13wkvpos3:w13	r worked/volunteered:	Pos Affect Index 3-item	Cont
14	R14WKVPOS3	r14wkvpos3:w14	r worked/volunteered:	Pos Affect Index 3-item	Cont
11	S11WKVPOS3	s11wkvpos3:w11	s worked/volunteered:	Pos Affect Index 3-item	Cont
12	S12WKVPOS3	s12wkvpos3:w12	s worked/volunteered:	Pos Affect Index 3-item	Cont
13	S13WKVPOS3	s13wkvpos3:w13	s worked/volunteered:	Pos Affect Index 3-item	Cont
14	S14WKVPOS3	s14wkvpos3:w14	s worked/volunteered:	Pos Affect Index 3-item	Cont
11	R11WKVPOS3M	r11wkvpos3m:w11	r worked/volunteered: missings	Pos Affect In	Cont
12	R12WKVPOS3M	r12wkvpos3m:w12	r worked/volunteered: missings	Pos Affect In	Cont
13	R13WKVPOS3M	r13wkvpos3m:w13	r worked/volunteered: missings	Pos Affect In	Cont
14	R14WKVPOS3M	r14wkvpos3m:w14	r worked/volunteered: missings	Pos Affect In	Cont
11	S11WKVPOS3M	s11wkvpos3m:w11	s worked/volunteered: missings	Pos Affect In	Cont
12	S12WKVPOS3M	s12wkvpos3m:w12	s worked/volunteered: missings	Pos Affect In	Cont
13	S13WKVPOS3M	s13wkvpos3m:w13	s worked/volunteered: missings	Pos Affect In	Cont
14	S14WKVPOS3M	s14wkvpos3m:w14	s worked/volunteered: missings	Pos Affect In	Cont

11	R11EXRHYPY	r11exrhpy:w11	Affective Experience	Happy: r walking or exerc	Cont
12	R12EXRHYPY	r12exrhpy:w12	Affective Experience	Happy: r walking or exerc	Cont
13	R13EXRHYPY	r13exrhpy:w13	Affective Experience	Happy: r walking or exerc	Cont
14	R14EXRHYPY	r14exrhpy:w14	Affective Experience	Happy: r walking or exerc	Cont
11	S11EXRHYPY	s11exrhpy:w11	Affective Experience	Happy: s walking or exerc	Cont
12	S12EXRHYPY	s12exrhpy:w12	Affective Experience	Happy: s walking or exerc	Cont
13	S13EXRHYPY	s13exrhpy:w13	Affective Experience	Happy: s walking or exerc	Cont
14	S14EXRHYPY	s14exrhpy:w14	Affective Experience	Happy: s walking or exerc	Cont
11	R11EXRINT	r11exrint:w11	Affective Experience	Interested: r walking or	Cont
12	R12EXRINT	r12exrint:w12	Affective Experience	Interested: r walking or	Cont
13	R13EXRINT	r13exrint:w13	Affective Experience	Interested: r walking or	Cont
14	R14EXRINT	r14exrint:w14	Affective Experience	Interested: r walking or	Cont
11	S11EXRINT	s11exrint:w11	Affective Experience	Interested: s walking or	Cont
12	S12EXRINT	s12exrint:w12	Affective Experience	Interested: s walking or	Cont
13	S13EXRINT	s13exrint:w13	Affective Experience	Interested: s walking or	Cont
14	S14EXRINT	s14exrint:w14	Affective Experience	Interested: s walking or	Cont
11	R11EXRCON	r11exrcon:w11	Affective Experience	Content: r walking or exe	Cont
12	R12EXRCON	r12exrcon:w12	Affective Experience	Content: r walking or exe	Cont
13	R13EXRCON	r13exrcon:w13	Affective Experience	Content: r walking or exe	Cont
14	R14EXRCON	r14exrcon:w14	Affective Experience	Content: r walking or exe	Cont
11	S11EXRCON	s11exrcon:w11	Affective Experience	Content: s walking or exe	Cont
12	S12EXRCON	s12exrcon:w12	Affective Experience	Content: s walking or exe	Cont
13	S13EXRCON	s13exrcon:w13	Affective Experience	Content: s walking or exe	Cont
14	S14EXRCON	s14exrcon:w14	Affective Experience	Content: s walking or exe	Cont
11	R11EXRPOS2	r11exrpos2:w11	r walked/exercised: Pos Affect Index 2-item	Cont	
12	R12EXRPOS2	r12exrpos2:w12	r walked/exercised: Pos Affect Index 2-item	Cont	
13	R13EXRPOS2	r13exrpos2:w13	r walked/exercised: Pos Affect Index 2-item	Cont	
14	R14EXRPOS2	r14exrpos2:w14	r walked/exercised: Pos Affect Index 2-item	Cont	
11	S11EXRPOS2	s11exrpos2:w11	s walked/exercised: Pos Affect Index 2-item	Cont	
12	S12EXRPOS2	s12exrpos2:w12	s walked/exercised: Pos Affect Index 2-item	Cont	
13	S13EXRPOS2	s13exrpos2:w13	s walked/exercised: Pos Affect Index 2-item	Cont	
14	S14EXRPOS2	s14exrpos2:w14	s walked/exercised: Pos Affect Index 2-item	Cont	
11	R11EXRPOS3	r11exrpos3:w11	r walked/exercised: Pos Affect Index 3-item	Cont	
12	R12EXRPOS3	r12exrpos3:w12	r walked/exercised: Pos Affect Index 3-item	Cont	
13	R13EXRPOS3	r13exrpos3:w13	r walked/exercised: Pos Affect Index 3-item	Cont	
14	R14EXRPOS3	r14exrpos3:w14	r walked/exercised: Pos Affect Index 3-item	Cont	
11	S11EXRPOS3	s11exrpos3:w11	s walked/exercised: Pos Affect Index 3-item	Cont	
12	S12EXRPOS3	s12exrpos3:w12	s walked/exercised: Pos Affect Index 3-item	Cont	
13	S13EXRPOS3	s13exrpos3:w13	s walked/exercised: Pos Affect Index 3-item	Cont	
14	S14EXRPOS3	s14exrpos3:w14	s walked/exercised: Pos Affect Index 3-item	Cont	
11	R11EXRPOS3M	r11exrpos3m:w11	r walked/exercised: missings Pos Affect Inde	Cont	
12	R12EXRPOS3M	r12exrpos3m:w12	r walked/exercised: missings Pos Affect Inde	Cont	
13	R13EXRPOS3M	r13exrpos3m:w13	r walked/exercised: missings Pos Affect Inde	Cont	
14	R14EXRPOS3M	r14exrpos3m:w14	r walked/exercised: missings Pos Affect Inde	Cont	
11	S11EXRPOS3M	s11exrpos3m:w11	s walked/exercised: missings Pos Affect Inde	Cont	
12	S12EXRPOS3M	s12exrpos3m:w12	s walked/exercised: missings Pos Affect Inde	Cont	
13	S13EXRPOS3M	s13exrpos3m:w13	s walked/exercised: missings Pos Affect Inde	Cont	
14	S14EXRPOS3M	s14exrpos3m:w14	s walked/exercised: missings Pos Affect Inde	Cont	
11	R11HLTHPY	r11hlthpy:w11	Affective Experience	Happy: r health-related a	Cont
12	R12HLTHPY	r12hlthpy:w12	Affective Experience	Happy: r health-related a	Cont
13	R13HLTHPY	r13hlthpy:w13	Affective Experience	Happy: r health-related a	Cont

14	R14HLTHPY	r14hlthpy:w14	Affective Experience	Happy: r	health-related a	Cont
11	S11HLTHPY	s11hlthpy:w11	Affective Experience	Happy: s	health-related a	Cont
12	S12HLTHPY	s12hlthpy:w12	Affective Experience	Happy: s	health-related a	Cont
13	S13HLTHPY	s13hlthpy:w13	Affective Experience	Happy: s	health-related a	Cont
14	S14HLTHPY	s14hlthpy:w14	Affective Experience	Happy: s	health-related a	Cont
11	R11HLTINT	r11hltint:w11	Affective Experience	Interested: r	health-rela	Cont
12	R12HLTINT	r12hltint:w12	Affective Experience	Interested: r	health-rela	Cont
13	R13HLTINT	r13hltint:w13	Affective Experience	Interested: r	health-rela	Cont
14	R14HLTINT	r14hltint:w14	Affective Experience	Interested: r	health-rela	Cont
11	S11HLTINT	s11hltint:w11	Affective Experience	Interested: s	health-rela	Cont
12	S12HLTINT	s12hltint:w12	Affective Experience	Interested: s	health-rela	Cont
13	S13HLTINT	s13hltint:w13	Affective Experience	Interested: s	health-rela	Cont
14	S14HLTINT	s14hltint:w14	Affective Experience	Interested: s	health-rela	Cont
11	R11HLTCON	r11hltcon:w11	Affective Experience	Content: r	health-related	Cont
12	R12HLTCON	r12hltcon:w12	Affective Experience	Content: r	health-related	Cont
13	R13HLTCON	r13hltcon:w13	Affective Experience	Content: r	health-related	Cont
14	R14HLTCON	r14hltcon:w14	Affective Experience	Content: r	health-related	Cont
11	S11HLTCON	s11hltcon:w11	Affective Experience	Content: s	health-related	Cont
12	S12HLTCON	s12hltcon:w12	Affective Experience	Content: s	health-related	Cont
13	S13HLTCON	s13hltcon:w13	Affective Experience	Content: s	health-related	Cont
14	S14HLTCON	s14hltcon:w14	Affective Experience	Content: s	health-related	Cont
11	R11HLTPOS2	r11hltpos2:w11	r healthy activity:	Pos Affect Index 2-item		Cont
12	R12HLTPOS2	r12hltpos2:w12	r healthy activity:	Pos Affect Index 2-item		Cont
13	R13HLTPOS2	r13hltpos2:w13	r healthy activity:	Pos Affect Index 2-item		Cont
14	R14HLTPOS2	r14hltpos2:w14	r healthy activity:	Pos Affect Index 2-item		Cont
11	S11HLTPOS2	s11hltpos2:w11	s healthy activity:	Pos Affect Index 2-item		Cont
12	S12HLTPOS2	s12hltpos2:w12	s healthy activity:	Pos Affect Index 2-item		Cont
13	S13HLTPOS2	s13hltpos2:w13	s healthy activity:	Pos Affect Index 2-item		Cont
14	S14HLTPOS2	s14hltpos2:w14	s healthy activity:	Pos Affect Index 2-item		Cont
11	R11HLTPOS3	r11hltpos3:w11	r healthy activity:	Pos Affect Index 3-item		Cont
12	R12HLTPOS3	r12hltpos3:w12	r healthy activity:	Pos Affect Index 3-item		Cont
13	R13HLTPOS3	r13hltpos3:w13	r healthy activity:	Pos Affect Index 3-item		Cont
14	R14HLTPOS3	r14hltpos3:w14	r healthy activity:	Pos Affect Index 3-item		Cont
11	S11HLTPOS3	s11hltpos3:w11	s healthy activity:	Pos Affect Index 3-item		Cont
12	S12HLTPOS3	s12hltpos3:w12	s healthy activity:	Pos Affect Index 3-item		Cont
13	S13HLTPOS3	s13hltpos3:w13	s healthy activity:	Pos Affect Index 3-item		Cont
14	S14HLTPOS3	s14hltpos3:w14	s healthy activity:	Pos Affect Index 3-item		Cont
11	R11HLTPOS3M	r11hltpos3m:w11	r health activity:	missings Pos Affect Index		Cont
12	R12HLTPOS3M	r12hltpos3m:w12	r health activity:	missings Pos Affect Index		Cont
13	R13HLTPOS3M	r13hltpos3m:w13	r health activity:	missings Pos Affect Index		Cont
14	R14HLTPOS3M	r14hltpos3m:w14	r health activity:	missings Pos Affect Index		Cont
11	S11HLTPOS3M	s11hltpos3m:w11	s health activity:	missings Pos Affect Index		Cont
12	S12HLTPOS3M	s12hltpos3m:w12	s health activity:	missings Pos Affect Index		Cont
13	S13HLTPOS3M	s13hltpos3m:w13	s health activity:	missings Pos Affect Index		Cont
14	S14HLTPOS3M	s14hltpos3m:w14	s health activity:	missings Pos Affect Index		Cont
11	R11TRVHPY	r11trvhpy:w11	Affective Experience	Happy: r	traveled or comm	Cont
12	R12TRVHPY	r12trvhpy:w12	Affective Experience	Happy: r	traveled or comm	Cont
13	R13TRVHPY	r13trvhpy:w13	Affective Experience	Happy: r	traveled or comm	Cont
14	R14TRVHPY	r14trvhpy:w14	Affective Experience	Happy: r	traveled or comm	Cont
11	S11TRVHPY	s11trvhpy:w11	Affective Experience	Happy: s	traveled or comm	Cont

12	S12TRVHPY	s12trvhpy:w12	Affective Experience	Happy: s traveled or comm	Cont
13	S13TRVHPY	s13trvhpy:w13	Affective Experience	Happy: s traveled or comm	Cont
14	S14TRVHPY	s14trvhpy:w14	Affective Experience	Happy: s traveled or comm	Cont
11	R11TRVINT	r11trvint:w11	Affective Experience	Interested: r traveled or	Cont
12	R12TRVINT	r12trvint:w12	Affective Experience	Interested: r traveled or	Cont
13	R13TRVINT	r13trvint:w13	Affective Experience	Interested: r traveled or	Cont
14	R14TRVINT	r14trvint:w14	Affective Experience	Interested: r traveled or	Cont
11	S11TRVINT	s11trvint:w11	Affective Experience	Interested: s traveled or	Cont
12	S12TRVINT	s12trvint:w12	Affective Experience	Interested: s traveled or	Cont
13	S13TRVINT	s13trvint:w13	Affective Experience	Interested: s traveled or	Cont
14	S14TRVINT	s14trvint:w14	Affective Experience	Interested: s traveled or	Cont
11	R11TRVCON	r11trvcon:w11	Affective Experience	Content: r traveled or co	Cont
12	R12TRVCON	r12trvcon:w12	Affective Experience	Content: r traveled or co	Cont
13	R13TRVCON	r13trvcon:w13	Affective Experience	Content: r traveled or co	Cont
14	R14TRVCON	r14trvcon:w14	Affective Experience	Content: r traveled or co	Cont
11	S11TRVCON	s11trvcon:w11	Affective Experience	Content: s traveled or co	Cont
12	S12TRVCON	s12trvcon:w12	Affective Experience	Content: s traveled or co	Cont
13	S13TRVCON	s13trvcon:w13	Affective Experience	Content: s traveled or co	Cont
14	S14TRVCON	s14trvcon:w14	Affective Experience	Content: s traveled or co	Cont
11	R11TRVPOS2	r11trvpos2:w11	r traveled/commuted: Pos Affect Index 2-item	Cont	
12	R12TRVPOS2	r12trvpos2:w12	r traveled/commuted: Pos Affect Index 2-item	Cont	
13	R13TRVPOS2	r13trvpos2:w13	r traveled/commuted: Pos Affect Index 2-item	Cont	
14	R14TRVPOS2	r14trvpos2:w14	r traveled/commuted: Pos Affect Index 2-item	Cont	
11	S11TRVPOS2	s11trvpos2:w11	s traveled/commuted: Pos Affect Index 2-item	Cont	
12	S12TRVPOS2	s12trvpos2:w12	s traveled/commuted: Pos Affect Index 2-item	Cont	
13	S13TRVPOS2	s13trvpos2:w13	s traveled/commuted: Pos Affect Index 2-item	Cont	
14	S14TRVPOS2	s14trvpos2:w14	s traveled/commuted: Pos Affect Index 2-item	Cont	
11	R11TRVPOS3	r11trvpos3:w11	r traveled/commuted: Pos Affect Index 3-item	Cont	
12	R12TRVPOS3	r12trvpos3:w12	r traveled/commuted: Pos Affect Index 3-item	Cont	
13	R13TRVPOS3	r13trvpos3:w13	r traveled/commuted: Pos Affect Index 3-item	Cont	
14	R14TRVPOS3	r14trvpos3:w14	r traveled/commuted: Pos Affect Index 3-item	Cont	
11	S11TRVPOS3	s11trvpos3:w11	s traveled/commuted: Pos Affect Index 3-item	Cont	
12	S12TRVPOS3	s12trvpos3:w12	s traveled/commuted: Pos Affect Index 3-item	Cont	
13	S13TRVPOS3	s13trvpos3:w13	s traveled/commuted: Pos Affect Index 3-item	Cont	
14	S14TRVPOS3	s14trvpos3:w14	s traveled/commuted: Pos Affect Index 3-item	Cont	
11	R11TRVPOS3M	r11trvpos3m:w11	r traveled/commuted: missings Pos Affect Ind	Cont	
12	R12TRVPOS3M	r12trvpos3m:w12	r traveled/commuted: missings Pos Affect Ind	Cont	
13	R13TRVPOS3M	r13trvpos3m:w13	r traveled/commuted: missings Pos Affect Ind	Cont	
14	R14TRVPOS3M	r14trvpos3m:w14	r traveled/commuted: missings Pos Affect Ind	Cont	
11	S11TRVPOS3M	s11trvpos3m:w11	s traveled/commuted: missings Pos Affect Ind	Cont	
12	S12TRVPOS3M	s12trvpos3m:w12	s traveled/commuted: missings Pos Affect Ind	Cont	
13	S13TRVPOS3M	s13trvpos3m:w13	s traveled/commuted: missings Pos Affect Ind	Cont	
14	S14TRVPOS3M	s14trvpos3m:w14	s traveled/commuted: missings Pos Affect Ind	Cont	
11	R11FRNHPY	r11frnhpy:w11	Affective Experience	Happy: r spent time with	Cont
12	R12FRNHPY	r12frnhpy:w12	Affective Experience	Happy: r spent time with	Cont
13	R13FRNHPY	r13frnhpy:w13	Affective Experience	Happy: r spent time with	Cont
14	R14FRNHPY	r14frnhpy:w14	Affective Experience	Happy: r spent time with	Cont
11	S11FRNHPY	s11frnhpy:w11	Affective Experience	Happy: s spent time with	Cont
12	S12FRNHPY	s12frnhpy:w12	Affective Experience	Happy: s spent time with	Cont
13	S13FRNHPY	s13frnhpy:w13	Affective Experience	Happy: s spent time with	Cont
14	S14FRNHPY	s14frnhpy:w14	Affective Experience	Happy: s spent time with	Cont

11	R11FRNINT	r11frnint:w11	Affective Experience Interested:	r spent time	Cont
12	R12FRNINT	r12frnint:w12	Affective Experience Interested:	r spent time	Cont
13	R13FRNINT	r13frnint:w13	Affective Experience Interested:	r spent time	Cont
14	R14FRNINT	r14frnint:w14	Affective Experience Interested:	r spent time	Cont
11	S11FRNINT	s11frnint:w11	Affective Experience Interested:	s spent time	Cont
12	S12FRNINT	s12frnint:w12	Affective Experience Interested:	s spent time	Cont
13	S13FRNINT	s13frnint:w13	Affective Experience Interested:	s spent time	Cont
14	S14FRNINT	s14frnint:w14	Affective Experience Interested:	s spent time	Cont
11	R11FRNCON	r11frncon:w11	Affective Experience Content:	r spent time wit	Cont
12	R12FRNCON	r12frncon:w12	Affective Experience Content:	r spent time wit	Cont
13	R13FRNCON	r13frncon:w13	Affective Experience Content:	r spent time wit	Cont
14	R14FRNCON	r14frncon:w14	Affective Experience Content:	r spent time wit	Cont
11	S11FRNCON	s11frncon:w11	Affective Experience Content:	s spent time wit	Cont
12	S12FRNCON	s12frncon:w12	Affective Experience Content:	s spent time wit	Cont
13	S13FRNCON	s13frncon:w13	Affective Experience Content:	s spent time wit	Cont
14	S14FRNCON	s14frncon:w14	Affective Experience Content:	s spent time wit	Cont
11	R11FRNPOS2	r11frnpos2:w11	r time w/ friends: Pos Affect Index 2-item		Cont
12	R12FRNPOS2	r12frnpos2:w12	r time w/ friends: Pos Affect Index 2-item		Cont
13	R13FRNPOS2	r13frnpos2:w13	r time w/ friends: Pos Affect Index 2-item		Cont
14	R14FRNPOS2	r14frnpos2:w14	r time w/ friends: Pos Affect Index 2-item		Cont
11	S11FRNPOS2	s11frnpos2:w11	s time w/ friends: Pos Affect Index 2-item		Cont
12	S12FRNPOS2	s12frnpos2:w12	s time w/ friends: Pos Affect Index 2-item		Cont
13	S13FRNPOS2	s13frnpos2:w13	s time w/ friends: Pos Affect Index 2-item		Cont
14	S14FRNPOS2	s14frnpos2:w14	s time w/ friends: Pos Affect Index 2-item		Cont
11	R11FRNPOS3	r11frnpos3:w11	r time w/ friends: Pos Affect Index 3-item		Cont
12	R12FRNPOS3	r12frnpos3:w12	r time w/ friends: Pos Affect Index 3-item		Cont
13	R13FRNPOS3	r13frnpos3:w13	r time w/ friends: Pos Affect Index 3-item		Cont
14	R14FRNPOS3	r14frnpos3:w14	r time w/ friends: Pos Affect Index 3-item		Cont
11	S11FRNPOS3	s11frnpos3:w11	s time w/ friends: Pos Affect Index 3-item		Cont
12	S12FRNPOS3	s12frnpos3:w12	s time w/ friends: Pos Affect Index 3-item		Cont
13	S13FRNPOS3	s13frnpos3:w13	s time w/ friends: Pos Affect Index 3-item		Cont
14	S14FRNPOS3	s14frnpos3:w14	s time w/ friends: Pos Affect Index 3-item		Cont
11	R11FRNPOS3M	r11frnpos3m:w11	r time w/ friends: missings Pos Affect Index		Cont
12	R12FRNPOS3M	r12frnpos3m:w12	r time w/ friends: missings Pos Affect Index		Cont
13	R13FRNPOS3M	r13frnpos3m:w13	r time w/ friends: missings Pos Affect Index		Cont
14	R14FRNPOS3M	r14frnpos3m:w14	r time w/ friends: missings Pos Affect Index		Cont
11	S11FRNPOS3M	s11frnpos3m:w11	s time w/ friends: missings Pos Affect Index		Cont
12	S12FRNPOS3M	s12frnpos3m:w12	s time w/ friends: missings Pos Affect Index		Cont
13	S13FRNPOS3M	s13frnpos3m:w13	s time w/ friends: missings Pos Affect Index		Cont
14	S14FRNPOS3M	s14frnpos3m:w14	s time w/ friends: missings Pos Affect Index		Cont
11	R11SLFHYPY	r11slfhpy:w11	Affective Experience Happy:	r spent time alone	Cont
12	R12SLFHYPY	r12slfhpy:w12	Affective Experience Happy:	r spent time alone	Cont
13	R13SLFHYPY	r13slfhpy:w13	Affective Experience Happy:	r spent time alone	Cont
14	R14SLFHYPY	r14slfhpy:w14	Affective Experience Happy:	r spent time alone	Cont
11	S11SLFHYPY	s11slfhpy:w11	Affective Experience Happy:	s spent time alone	Cont
12	S12SLFHYPY	s12slfhpy:w12	Affective Experience Happy:	s spent time alone	Cont
13	S13SLFHYPY	s13slfhpy:w13	Affective Experience Happy:	s spent time alone	Cont
14	S14SLFHYPY	s14slfhpy:w14	Affective Experience Happy:	s spent time alone	Cont
11	R11SLFINT	r11slfint:w11	Affective Experience Interested:	r spent time	Cont
12	R12SLFINT	r12slfint:w12	Affective Experience Interested:	r spent time	Cont

13	R13SLFINT	r13slfint:w13	Affective Experience Interested: r	spent time	Cont
14	R14SLFINT	r14slfint:w14	Affective Experience Interested: r	spent time	Cont
11	S11SLFINT	s11slfint:w11	Affective Experience Interested: s	spent time	Cont
12	S12SLFINT	s12slfint:w12	Affective Experience Interested: s	spent time	Cont
13	S13SLFINT	s13slfint:w13	Affective Experience Interested: s	spent time	Cont
14	S14SLFINT	s14slfint:w14	Affective Experience Interested: s	spent time	Cont
11	R11SLFCON	r11slfcon:w11	Affective Experience Content: r	spent time alo	Cont
12	R12SLFCON	r12slfcon:w12	Affective Experience Content: r	spent time alo	Cont
13	R13SLFCON	r13slfcon:w13	Affective Experience Content: r	spent time alo	Cont
14	R14SLFCON	r14slfcon:w14	Affective Experience Content: r	spent time alo	Cont
11	S11SLFCON	s11slfcon:w11	Affective Experience Content: s	spent time alo	Cont
12	S12SLFCON	s12slfcon:w12	Affective Experience Content: s	spent time alo	Cont
13	S13SLFCON	s13slfcon:w13	Affective Experience Content: s	spent time alo	Cont
14	S14SLFCON	s14slfcon:w14	Affective Experience Content: s	spent time alo	Cont
11	R11SLFPOS2	r11slfpos2:w11	r time alone: Pos Affect Index 2-item		Cont
12	R12SLFPOS2	r12slfpos2:w12	r time alone: Pos Affect Index 2-item		Cont
13	R13SLFPOS2	r13slfpos2:w13	r time alone: Pos Affect Index 2-item		Cont
14	R14SLFPOS2	r14slfpos2:w14	r time alone: Pos Affect Index 2-item		Cont
11	S11SLFPOS2	s11slfpos2:w11	s time alone: Pos Affect Index 2-item		Cont
12	S12SLFPOS2	s12slfpos2:w12	s time alone: Pos Affect Index 2-item		Cont
13	S13SLFPOS2	s13slfpos2:w13	s time alone: Pos Affect Index 2-item		Cont
14	S14SLFPOS2	s14slfpos2:w14	s time alone: Pos Affect Index 2-item		Cont
11	R11SLFPOS3	r11slfpos3:w11	r time alone: Pos Affect Index 3-item		Cont
12	R12SLFPOS3	r12slfpos3:w12	r time alone: Pos Affect Index 3-item		Cont
13	R13SLFPOS3	r13slfpos3:w13	r time alone: Pos Affect Index 3-item		Cont
14	R14SLFPOS3	r14slfpos3:w14	r time alone: Pos Affect Index 3-item		Cont
11	S11SLFPOS3	s11slfpos3:w11	s time alone: Pos Affect Index 3-item		Cont
12	S12SLFPOS3	s12slfpos3:w12	s time alone: Pos Affect Index 3-item		Cont
13	S13SLFPOS3	s13slfpos3:w13	s time alone: Pos Affect Index 3-item		Cont
14	S14SLFPOS3	s14slfpos3:w14	s time alone: Pos Affect Index 3-item		Cont
11	R11SLFPOS3M	r11slfpos3m:w11	r time alone: missings Pos Affect Index 3-it		Cont
12	R12SLFPOS3M	r12slfpos3m:w12	r time alone: missings Pos Affect Index 3-it		Cont
13	R13SLFPOS3M	r13slfpos3m:w13	r time alone: missings Pos Affect Index 3-it		Cont
14	R14SLFPOS3M	r14slfpos3m:w14	r time alone: missings Pos Affect Index 3-it		Cont
11	S11SLFPOS3M	s11slfpos3m:w11	s time alone: missings Pos Affect Index 3-it		Cont
12	S12SLFPOS3M	s12slfpos3m:w12	s time alone: missings Pos Affect Index 3-it		Cont
13	S13SLFPOS3M	s13slfpos3m:w13	s time alone: missings Pos Affect Index 3-it		Cont
14	S14SLFPOS3M	s14slfpos3m:w14	s time alone: missings Pos Affect Index 3-it		Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R11WTVHPY	6067	3.29	1.72	0.00	6.00
R12WTVHPY	6235	3.29	1.75	0.00	6.00
R13WTVHPY	5281	3.33	1.74	0.00	6.00
R14WTVHPY	4709	3.43	1.73	0.00	6.00
S11WTVHPY	3843	3.34	1.71	0.00	6.00
S12WTVHPY	3912	3.32	1.71	0.00	6.00
S13WTVHPY	3219	3.37	1.70	0.00	6.00
S14WTVHPY	2847	3.48	1.68	0.00	6.00
R11WTVINT	6080	3.74	1.59	0.00	6.00

R12WTVINT	6243	3.77	1.62	0.00	6.00
R13WTVINT	5278	3.86	1.56	0.00	6.00
R14WTVINT	4705	3.90	1.55	0.00	6.00
S11WTVINT	3853	3.80	1.56	0.00	6.00
S12WTVINT	3915	3.80	1.59	0.00	6.00
S13WTVINT	3212	3.89	1.52	0.00	6.00
S14WTVINT	2853	3.93	1.50	0.00	6.00
R11WTVCON	6027	3.36	1.79	0.00	6.00
R12WTVCON	6197	3.39	1.82	0.00	6.00
R13WTVCON	5230	3.45	1.78	0.00	6.00
R14WTVCON	4666	3.55	1.77	0.00	6.00
S11WTVCON	3825	3.44	1.77	0.00	6.00
S12WTVCON	3892	3.43	1.80	0.00	6.00
S13WTVCON	3194	3.52	1.74	0.00	6.00
S14WTVCON	2828	3.60	1.74	0.00	6.00
R11WTVPOS2	5971	3.53	1.51	0.00	6.00
R12WTVPOS2	6145	3.53	1.53	0.00	6.00
R13WTVPOS2	5209	3.61	1.49	0.00	6.00
R14WTVPOS2	4639	3.68	1.47	0.00	6.00
S11WTVPOS2	3795	3.58	1.49	0.00	6.00
S12WTVPOS2	3873	3.57	1.50	0.00	6.00
S13WTVPOS2	3184	3.63	1.45	0.00	6.00
S14WTVPOS2	2817	3.71	1.42	0.00	6.00
R11WTVPOS3	6105	3.46	1.48	0.00	6.00
R12WTVPOS3	6270	3.48	1.50	0.00	6.00
R13WTVPOS3	5307	3.55	1.44	0.00	6.00
R14WTVPOS3	4725	3.63	1.43	0.00	6.00
S11WTVPOS3	3868	3.53	1.47	0.00	6.00
S12WTVPOS3	3931	3.52	1.47	0.00	6.00
S13WTVPOS3	3231	3.59	1.39	0.00	6.00
S14WTVPOS3	2858	3.67	1.40	0.00	6.00
R11WTVPOS3M	6500	0.20	0.69	0.00	3.00
R12WTVPOS3M	6577	0.16	0.60	0.00	3.00
R13WTVPOS3M	5569	0.16	0.62	0.00	3.00
R14WTVPOS3M	4995	0.18	0.65	0.00	3.00
S11WTVPOS3M	4069	0.17	0.63	0.00	3.00
S12WTVPOS3M	4070	0.12	0.53	0.00	3.00
S13WTVPOS3M	3342	0.12	0.53	0.00	3.00
S14WTVPOS3M	2989	0.15	0.59	0.00	3.00
R11WKVHPY	1892	3.89	1.63	0.00	6.00
R12WKVHPY	1894	3.97	1.67	0.00	6.00
R13WKVHPY	1692	3.95	1.61	0.00	6.00
R14WKVHPY	1426	4.09	1.61	0.00	6.00
S11WKVHPY	1282	3.92	1.57	0.00	6.00
S12WKVHPY	1268	3.99	1.62	0.00	6.00
S13WKVHPY	1106	3.97	1.57	0.00	6.00
S14WKVHPY	931	4.06	1.58	0.00	6.00
R11WKVINT	1871	4.12	1.55	0.00	6.00
R12WKVINT	1887	4.21	1.55	0.00	6.00
R13WKVINT	1682	4.15	1.54	0.00	6.00
R14WKVINT	1417	4.27	1.55	0.00	6.00

S11WKVINT	1269	4.15	1.52	0.00	6.00
S12WKVINT	1265	4.23	1.50	0.00	6.00
S13WKVINT	1104	4.19	1.52	0.00	6.00
S14WKVINT	922	4.24	1.53	0.00	6.00
R11WKVCON	1864	3.73	1.75	0.00	6.00
R12WKVCON	1890	3.85	1.76	0.00	6.00
R13WKVCON	1674	3.75	1.76	0.00	6.00
R14WKVCON	1413	3.92	1.71	0.00	6.00
S11WKVCON	1272	3.77	1.69	0.00	6.00
S12WKVCON	1270	3.83	1.72	0.00	6.00
S13WKVCON	1096	3.83	1.72	0.00	6.00
S14WKVCON	920	3.94	1.68	0.00	6.00
R11WKVPOS2	1862	4.01	1.47	0.00	6.00
R12WKVPOS2	1877	4.09	1.52	0.00	6.00
R13WKVPOS2	1673	4.06	1.48	0.00	6.00
R14WKVPOS2	1413	4.18	1.48	0.00	6.00
S11WKVPOS2	1266	4.05	1.43	0.00	6.00
S12WKVPOS2	1259	4.12	1.47	0.00	6.00
S13WKVPOS2	1099	4.08	1.46	0.00	6.00
S14WKVPOS2	922	4.15	1.46	0.00	6.00
R11WKVPOS3	1881	3.91	1.46	0.00	6.00
R12WKVPOS3	1896	4.01	1.49	0.00	6.00
R13WKVPOS3	1692	3.95	1.45	0.00	6.00
R14WKVPOS3	1426	4.09	1.43	0.00	6.00
S11WKVPOS3	1277	3.95	1.41	0.00	6.00
S12WKVPOS3	1271	4.02	1.44	0.00	6.00
S13WKVPOS3	1108	4.00	1.42	0.00	6.00
S14WKVPOS3	929	4.08	1.41	0.00	6.00
R11WKVPOS3M	2156	0.39	0.98	0.00	3.00
R12WKVPOS3M	2141	0.35	0.94	0.00	3.00
R13WKVPOS3M	1916	0.37	0.96	0.00	3.00
R14WKVPOS3M	1639	0.40	1.00	0.00	3.00
S11WKVPOS3M	1419	0.31	0.88	0.00	3.00
S12WKVPOS3M	1388	0.26	0.83	0.00	3.00
S13WKVPOS3M	1211	0.27	0.84	0.00	3.00
S14WKVPOS3M	1027	0.30	0.88	0.00	3.00
R11EXRHPY	3392	3.93	1.71	0.00	6.00
R12EXRHPY	3643	3.95	1.72	0.00	6.00
R13EXRHPY	3037	3.98	1.69	0.00	6.00
R14EXRHPY	2795	4.06	1.68	0.00	6.00
S11EXRHPY	2164	3.99	1.68	0.00	6.00
S12EXRHPY	2258	4.04	1.64	0.00	6.00
S13EXRHPY	1825	4.11	1.61	0.00	6.00
S14EXRHPY	1663	4.14	1.62	0.00	6.00
R11EXRINT	3327	3.84	1.72	0.00	6.00
R12EXRINT	3593	3.88	1.72	0.00	6.00
R13EXRINT	3005	3.86	1.71	0.00	6.00
R14EXRINT	2763	3.95	1.71	0.00	6.00
S11EXRINT	2131	3.89	1.71	0.00	6.00
S12EXRINT	2239	3.94	1.67	0.00	6.00



S13EXRINT	1816	3.99	1.64	0.00	6.00
S14EXRINT	1649	4.03	1.65	0.00	6.00
R11EXRCON	3327	3.80	1.81	0.00	6.00
R12EXRCON	3597	3.80	1.82	0.00	6.00
R13EXRCON	2999	3.86	1.80	0.00	6.00
R14EXRCON	2747	3.94	1.76	0.00	6.00
S11EXRCON	2128	3.90	1.78	0.00	6.00
S12EXRCON	2238	3.90	1.74	0.00	6.00
S13EXRCON	1812	3.99	1.70	0.00	6.00
S14EXRCON	1640	4.03	1.71	0.00	6.00
R11EXRPOS2	3310	3.90	1.63	0.00	6.00
R12EXRPOS2	3576	3.93	1.63	0.00	6.00
R13EXRPOS2	2993	3.92	1.61	0.00	6.00
R14EXRPOS2	2751	4.02	1.60	0.00	6.00
S11EXRPOS2	2123	3.95	1.61	0.00	6.00
S12EXRPOS2	2231	4.00	1.57	0.00	6.00
S13EXRPOS2	1809	4.06	1.54	0.00	6.00
S14EXRPOS2	1644	4.09	1.55	0.00	6.00
R11EXRPOS3	3357	3.86	1.58	0.00	6.00
R12EXRPOS3	3623	3.88	1.58	0.00	6.00
R13EXRPOS3	3028	3.90	1.56	0.00	6.00
R14EXRPOS3	2776	3.99	1.53	0.00	6.00
S11EXRPOS3	2146	3.92	1.56	0.00	6.00
S12EXRPOS3	2252	3.96	1.52	0.00	6.00
S13EXRPOS3	1825	4.04	1.47	0.00	6.00
S14EXRPOS3	1655	4.07	1.48	0.00	6.00
R11EXRPOS3M	3650	0.25	0.77	0.00	3.00
R12EXRPOS3M	3889	0.21	0.72	0.00	3.00
R13EXRPOS3M	3255	0.22	0.75	0.00	3.00
R14EXRPOS3M	2995	0.23	0.75	0.00	3.00
S11EXRPOS3M	2300	0.21	0.71	0.00	3.00
S12EXRPOS3M	2382	0.17	0.66	0.00	3.00
S13EXRPOS3M	1930	0.17	0.67	0.00	3.00
S14EXRPOS3M	1761	0.19	0.69	0.00	3.00
R11HLTHPY	2479	2.69	2.17	0.00	6.00
R12HLTHPY	2576	2.72	2.17	0.00	6.00
R13HLTHPY	2213	2.85	2.13	0.00	6.00
R14HLTHPY	2034	2.86	2.17	0.00	6.00
S11HLTHPY	1506	2.70	2.16	0.00	6.00
S12HLTHPY	1579	2.71	2.18	0.00	6.00
S13HLTHPY	1298	2.89	2.13	0.00	6.00
S14HLTHPY	1166	2.91	2.13	0.00	6.00
R11HLTINT	2452	2.83	2.15	0.00	6.00
R12HLTINT	2570	2.87	2.15	0.00	6.00
R13HLTINT	2204	2.94	2.13	0.00	6.00
R14HLTINT	2021	3.00	2.12	0.00	6.00
S11HLTINT	1490	2.84	2.13	0.00	6.00
S12HLTINT	1578	2.84	2.16	0.00	6.00
S13HLTINT	1290	2.95	2.14	0.00	6.00
S14HLTINT	1159	3.04	2.12	0.00	6.00

R11HLTCON	2453	2.80	2.13	0.00	6.00
R12HLTCON	2563	2.82	2.13	0.00	6.00
R13HLTCON	2204	2.90	2.09	0.00	6.00
R14HLTCON	2014	2.95	2.11	0.00	6.00
S11HLTCON	1497	2.80	2.14	0.00	6.00
S12HLTCON	1574	2.85	2.13	0.00	6.00
S13HLTCON	1296	2.97	2.10	0.00	6.00
S14HLTCON	1156	3.00	2.09	0.00	6.00
R11HLTPOS2	2436	2.76	2.05	0.00	6.00
R12HLTPOS2	2548	2.79	2.06	0.00	6.00
R13HLTPOS2	2191	2.90	2.04	0.00	6.00
R14HLTPOS2	2008	2.93	2.04	0.00	6.00
S11HLTPOS2	1481	2.77	2.03	0.00	6.00
S12HLTPOS2	1566	2.77	2.07	0.00	6.00
S13HLTPOS2	1286	2.92	2.05	0.00	6.00
S14HLTPOS2	1151	2.97	2.02	0.00	6.00
R11HLTPOS3	2467	2.78	1.95	0.00	6.00
R12HLTPOS3	2580	2.81	1.97	0.00	6.00
R13HLTPOS3	2212	2.90	1.93	0.00	6.00
R14HLTPOS3	2026	2.94	1.94	0.00	6.00
S11HLTPOS3	1499	2.78	1.95	0.00	6.00
S12HLTPOS3	1584	2.80	1.98	0.00	6.00
S13HLTPOS3	1296	2.94	1.96	0.00	6.00
S14HLTPOS3	1163	2.99	1.92	0.00	6.00
R11HLTPOS3M	2868	0.43	1.02	0.00	3.00
R12HLTPOS3M	2955	0.39	0.98	0.00	3.00
R13HLTPOS3M	2524	0.38	0.97	0.00	3.00
R14HLTPOS3M	2308	0.37	0.96	0.00	3.00
S11HLTPOS3M	1710	0.37	0.96	0.00	3.00
S12HLTPOS3M	1772	0.33	0.91	0.00	3.00
S13HLTPOS3M	1451	0.32	0.91	0.00	3.00
S14HLTPOS3M	1291	0.31	0.88	0.00	3.00
R11TRVHPY	3868	3.59	1.87	0.00	6.00
R12TRVHPY	4084	3.63	1.88	0.00	6.00
R13TRVHPY	3462	3.63	1.85	0.00	6.00
R14TRVHPY	3077	3.70	1.87	0.00	6.00
S11TRVHPY	2562	3.60	1.86	0.00	6.00
S12TRVHPY	2653	3.63	1.86	0.00	6.00
S13TRVHPY	2136	3.71	1.79	0.00	6.00
S14TRVHPY	1887	3.75	1.82	0.00	6.00
R11TRVINT	3827	3.58	1.86	0.00	6.00
R12TRVINT	4057	3.60	1.87	0.00	6.00
R13TRVINT	3435	3.61	1.86	0.00	6.00
R14TRVINT	3045	3.68	1.82	0.00	6.00
S11TRVINT	2536	3.61	1.83	0.00	6.00
S12TRVINT	2642	3.59	1.85	0.00	6.00
S13TRVINT	2120	3.67	1.82	0.00	6.00
S14TRVINT	1874	3.71	1.78	0.00	6.00
R11TRVCON	3822	3.55	1.89	0.00	6.00
R12TRVCON	4043	3.55	1.91	0.00	6.00
R13TRVCON	3424	3.58	1.87	0.00	6.00

R14TRVCON	3044	3.61	1.90	0.00	6.00
S11TRVCON	2532	3.58	1.88	0.00	6.00
S12TRVCON	2626	3.56	1.88	0.00	6.00
S13TRVCON	2119	3.66	1.82	0.00	6.00
S14TRVCON	1871	3.69	1.86	0.00	6.00
R11TRVPOS2	3810	3.59	1.78	0.00	6.00
R12TRVPOS2	4048	3.62	1.80	0.00	6.00
R13TRVPOS2	3420	3.63	1.77	0.00	6.00
R14TRVPOS2	3040	3.70	1.76	0.00	6.00
S11TRVPOS2	2529	3.61	1.75	0.00	6.00
S12TRVPOS2	2638	3.61	1.79	0.00	6.00
S13TRVPOS2	2112	3.69	1.74	0.00	6.00
S14TRVPOS2	1871	3.73	1.72	0.00	6.00
R11TRVPOS3	3844	3.58	1.71	0.00	6.00
R12TRVPOS3	4071	3.59	1.74	0.00	6.00
R13TRVPOS3	3454	3.61	1.68	0.00	6.00
R14TRVPOS3	3065	3.67	1.69	0.00	6.00
S11TRVPOS3	2550	3.60	1.69	0.00	6.00
S12TRVPOS3	2647	3.60	1.72	0.00	6.00
S13TRVPOS3	2137	3.68	1.64	0.00	6.00
S14TRVPOS3	1879	3.72	1.65	0.00	6.00
R11TRVPOS3M	4147	0.22	0.75	0.00	3.00
R12TRVPOS3M	4356	0.20	0.73	0.00	3.00
R13TRVPOS3M	3672	0.19	0.69	0.00	3.00
R14TRVPOS3M	3271	0.20	0.71	0.00	3.00
S11TRVPOS3M	2697	0.17	0.66	0.00	3.00
S12TRVPOS3M	2797	0.17	0.67	0.00	3.00
S13TRVPOS3M	2238	0.15	0.62	0.00	3.00
S14TRVPOS3M	1976	0.15	0.63	0.00	3.00
R11FRNHPY	4218	4.53	1.54	0.00	6.00
R12FRNHPY	4407	4.63	1.50	0.00	6.00
R13FRNHPY	3608	4.66	1.44	0.00	6.00
R14FRNHPY	3235	4.71	1.44	0.00	6.00
S11FRNHPY	2560	4.59	1.49	0.00	6.00
S12FRNHPY	2630	4.65	1.44	0.00	6.00
S13FRNHPY	2029	4.70	1.38	0.00	6.00
S14FRNHPY	1822	4.78	1.37	0.00	6.00
R11FRNINT	4165	4.52	1.49	0.00	6.00
R12FRNINT	4364	4.61	1.46	0.00	6.00
R13FRNINT	3594	4.62	1.42	0.00	6.00
R14FRNINT	3205	4.66	1.43	0.00	6.00
S11FRNINT	2535	4.58	1.46	0.00	6.00
S12FRNINT	2611	4.64	1.40	0.00	6.00
S13FRNINT	2030	4.67	1.36	0.00	6.00
S14FRNINT	1808	4.73	1.37	0.00	6.00
R11FRNCON	4132	4.18	1.76	0.00	6.00
R12FRNCON	4337	4.22	1.76	0.00	6.00
R13FRNCON	3568	4.25	1.69	0.00	6.00
R14FRNCON	3187	4.30	1.71	0.00	6.00
S11FRNCON	2520	4.27	1.71	0.00	6.00

S12FRNCON	2591	4.28	1.69	0.00	6.00
S13FRNCON	2018	4.31	1.66	0.00	6.00
S14FRNCON	1797	4.39	1.65	0.00	6.00
R11FRNPOS2	4149	4.53	1.44	0.00	6.00
R12FRNPOS2	4351	4.63	1.41	0.00	6.00
R13FRNPOS2	3578	4.64	1.35	0.00	6.00
R14FRNPOS2	3195	4.70	1.36	0.00	6.00
S11FRNPOS2	2526	4.60	1.40	0.00	6.00
S12FRNPOS2	2605	4.65	1.36	0.00	6.00
S13FRNPOS2	2021	4.69	1.30	0.00	6.00
S14FRNPOS2	1803	4.76	1.28	0.00	6.00
R11FRNPOS3	4180	4.41	1.44	0.00	6.00
R12FRNPOS3	4382	4.49	1.42	0.00	6.00
R13FRNPOS3	3603	4.51	1.35	0.00	6.00
R14FRNPOS3	3227	4.56	1.36	0.00	6.00
S11FRNPOS3	2545	4.48	1.40	0.00	6.00
S12FRNPOS3	2621	4.53	1.37	0.00	6.00
S13FRNPOS3	2033	4.57	1.31	0.00	6.00
S14FRNPOS3	1820	4.63	1.29	0.00	6.00
R11FRNPOS3M	4481	0.21	0.71	0.00	3.00
R12FRNPOS3M	4663	0.19	0.69	0.00	3.00
R13FRNPOS3M	3819	0.18	0.67	0.00	3.00
R14FRNPOS3M	3398	0.17	0.64	0.00	3.00
S11FRNPOS3M	2691	0.17	0.65	0.00	3.00
S12FRNPOS3M	2758	0.16	0.64	0.00	3.00
S13FRNPOS3M	2131	0.15	0.62	0.00	3.00
S14FRNPOS3M	1902	0.15	0.60	0.00	3.00
R11SLFHPY	3218	3.62	1.85	0.00	6.00
R12SLFHPY	3362	3.73	1.87	0.00	6.00
R13SLFHPY	2995	3.74	1.83	0.00	6.00
R14SLFHPY	2662	3.83	1.83	0.00	6.00
S11SLFHPY	1475	3.72	1.80	0.00	6.00
S12SLFHPY	1521	3.76	1.81	0.00	6.00
S13SLFHPY	1302	3.82	1.75	0.00	6.00
S14SLFHPY	1139	3.97	1.79	0.00	6.00
R11SLFINT	3149	3.49	1.87	0.00	6.00
R12SLFINT	3317	3.62	1.86	0.00	6.00
R13SLFINT	2951	3.58	1.85	0.00	6.00
R14SLFINT	2626	3.70	1.83	0.00	6.00
S11SLFINT	1449	3.58	1.84	0.00	6.00
S12SLFINT	1507	3.62	1.85	0.00	6.00
S13SLFINT	1289	3.67	1.81	0.00	6.00
S14SLFINT	1128	3.81	1.81	0.00	6.00
R11SLFCON	3189	3.60	1.88	0.00	6.00
R12SLFCON	3345	3.68	1.89	0.00	6.00
R13SLFCON	2964	3.71	1.85	0.00	6.00
R14SLFCON	2636	3.81	1.86	0.00	6.00
S11SLFCON	1472	3.69	1.84	0.00	6.00
S12SLFCON	1516	3.71	1.85	0.00	6.00
S13SLFCON	1294	3.76	1.80	0.00	6.00
S14SLFCON	1129	3.97	1.79	0.00	6.00

R11SLFPOS2	3142	3.56	1.77	0.00	6.00
R12SLFPOS2	3306	3.68	1.78	0.00	6.00
R13SLFPOS2	2941	3.67	1.75	0.00	6.00
R14SLFPOS2	2619	3.77	1.72	0.00	6.00
S11SLFPOS2	1448	3.66	1.74	0.00	6.00
S12SLFPOS2	1505	3.69	1.74	0.00	6.00
S13SLFPOS2	1286	3.74	1.70	0.00	6.00
S14SLFPOS2	1124	3.89	1.69	0.00	6.00
R11SLFPOS3	3189	3.57	1.69	0.00	6.00
R12SLFPOS3	3352	3.68	1.69	0.00	6.00
R13SLFPOS3	2981	3.68	1.65	0.00	6.00
R14SLFPOS3	2647	3.79	1.64	0.00	6.00
S11SLFPOS3	1468	3.67	1.67	0.00	6.00
S12SLFPOS3	1516	3.70	1.65	0.00	6.00
S13SLFPOS3	1299	3.75	1.61	0.00	6.00
S14SLFPOS3	1132	3.92	1.59	0.00	6.00
R11SLFPOS3M	3517	0.28	0.83	0.00	3.00
R12SLFPOS3M	3691	0.28	0.84	0.00	3.00
R13SLFPOS3M	3249	0.26	0.80	0.00	3.00
R14SLFPOS3M	2897	0.26	0.82	0.00	3.00
S11SLFPOS3M	1603	0.26	0.81	0.00	3.00
S12SLFPOS3M	1658	0.26	0.82	0.00	3.00
S13SLFPOS3M	1419	0.26	0.82	0.00	3.00
S14SLFPOS3M	1246	0.27	0.84	0.00	3.00

### How Constructed:

The following variables pertain to the respondent's activity-related affective experience yesterday. The respondent is given the following prompt, "Please think about the things you did yesterday. How did you spend your time and how did you feel?"

RwWTVHPY, RwWTVINT, and RwWTVCON are variables indicating how the respondent felt while watching TV yesterday. RwWTVHPY indicates how happy the respondent felt while watching TV yesterday. RwWTVINT indicates how interested the respondent felt while watching TV yesterday. RwWTVCON indicates how content the respondent felt while watching TV yesterday. RwWTVHPY, RwWTVINT, and RwWTVCON have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not watch TV yesterday, RwWTVHPY, RwWTVINT, and RwWTVCON are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwWTVPOS2 is a 2-item index of TV-watching related positive affect. RwWTVPOS2 is the mean of positive affect items RwWTVHPY and RwWTVINT. RwWTVPOS2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwWTVPOS2 is assigned special missing value .c. In the case that the respondent did not watch TV yesterday, RwWTVPOS2 is assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwWTVPOS3 is a 3-item index of TV-watching related positive affect. RwWTVPOS3 is the mean of positive affect items RwWTVHPY, RwWTVINT, and RwWTVCON. RwWTVPOS3M is the count of the number of missing components for this summary. RwWTVPOS2 is set to .m if more than one item has a missing value, that is RwWTVPOS3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwWTVPOS3 and

RwWTVPOS3M are assigned special missing value .c. In the case that the respondent did not watch TV yesterday, RwWTVPOS3 and RwWTVPOS3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwWTVHPY, SwWTVINT, and SwWTVCON are variables indicating how the respondent's spouse felt when they were watching TV yesterday, and their values are taken directly from the corresponding respondent variables. SwWTVPOS2 is the respondent's spouse's score of the two-item TV-watching related positive affect summary, and its value is taken directly from the corresponding respondent variables. SwWTVPOS3 and SwWTVPOS3M are the respondent's spouse's scores of the three-item TV-watching related positive affect summary, and their values are taken directly from the corresponding respondent variable. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWVKVHPY, RwWVKVINT, and RwWVKVCON are variables indicating how the respondent felt while working or volunteering. RwWVKVHPY indicates how happy the respondent felt while working or volunteering yesterday. RwWVKVINT indicates how interested the respondent felt while working or volunteering yesterday. RwWVKVCON indicates how content the respondent felt while working or volunteering yesterday. RwWVKVHPY, RwWVKVINT, and RwWVKVCON have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not work or volunteer yesterday, RwWVKVHPY, RwWVKVINT, and RwWVKVCON are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwWVKVPOS2 is a 2-item index of working/volunteering related positive affect. RwWVKVPOS2 is the mean of positive affect items RwWVKVHPY and RwWVKVINT. RwWVKVPOS2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwWVKVPOS2 is assigned special missing value .c. In the case that the respondent did not work or volunteer yesterday, RwWVKVPOS2 is assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwWVKVPOS3 is a 3-item index of working/volunteering related positive affect. RwWVKVPOS3 is the mean of positive affect items RwWVKVHPY, RwWVKVINT, and RwWVKVCON. RwWVKVPOS3M is the count of the number of missing components for this summary. RwWVKVPOS2 is set to .m if more than one item has a missing value, that is RwWVKVPOS3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwWVKVPOS3 and RwWVKVPOS3M are assigned special missing value .c. In the case that the respondent did not work or volunteer yesterday, RwWVKVPOS3 and RwWVKVPOS3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwWVKVHPY, SwWVKVINT, and SwWVKVCON are variables indicating how the respondent's spouse felt when they were working or volunteering yesterday, and their values are taken directly from the corresponding respondent variables. SwWVKVPOS2 is the respondent's spouse's score of the two-item working/volunteering related positive affect summary, and its value is taken directly from the corresponding respondent variable. SwWVKVPOS3 and SwWVKVPOS3M are the respondent's spouse's scores of the three-item working/volunteering related positive affect summary, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwEXRHYPY, RwEXRINT, and RwEXRCON are variables indicating how the respondent felt while walking or exercising yesterday. RwEXRHYPY indicates how happy the respondent felt while walking or exercising yesterday. RwEXRINT indicates how interested the respondent felt while walking or exercising yesterday. RwEXRCON indicates how content the respondent felt while walking or exercising yesterday. RwEXRHYPY,

RwEXRINT, and RwEXRCON have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not walk or exercise yesterday, RwEXRHYPY, RwEXRINT, and RwEXRCON are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwEXRPOS2 is a 2-item index of walking/exercising related positive affect. RwEXRPOS2 is the mean of positive affect items RwEXRHYPY and RwEXRINT. RwEXRPOS2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwEXRPOS2 is assigned special missing value .c. In the case that the respondent did not walk or exercise yesterday, RwEXRPOS2 is assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwEXRPOS3 is a 3-item index of walking/exercising related positive affect. RwEXRPOS3 is the mean of positive affect items RwEXRHYPY, RwEXRINT, and RwEXRCON. RwEXRPOS3M is the count of the number of missing components for this summary. RwEXRPOS3 is set to .m if more than one item has a missing value, that is RwEXRPOS3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwEXRPOS3 and RwEXRPOS3M are assigned special missing value .c. In the case that the respondent did not walk or exercise yesterday, RwEXRPOS3 and RwEXRPOS3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwEXRHYPY, SwEXRINT, and SwEXRCON are variables indicating how the respondent's spouse felt when they were walking or exercising yesterday, and their values are taken directly from the corresponding respondent variables. SwEXRPOS2 is the respondent's spouse's score of the two-item walking/exercising related positive affect summary, and its value is taken directly from the corresponding respondent variable. SwEXRPOS3 and SwEXRPOS3M are the respondent's spouse's scores of the three-item walking/exercising related positive affect summary and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHLTHPY, RwHLTINT, and RwHLTCON are variables indicating how the respondent felt while doing health-related activities yesterday. RwHLTHPY indicates how happy the respondent felt while doing health-related activities yesterday. RwHLTINT indicates how interested the respondent felt while doing health-related activities yesterday. RwHLTCON indicates how content the respondent felt while doing health-related activities yesterday. RwHLTHPY, RwHLTINT, and RwHLTCON have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not do health-related activities yesterday, RwHLTHPY, RwHLTINT, and RwHLTCON are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwHLTPOS2 is a 2-item index of healthy activity related positive affect. RwHLTPOS2 is the mean of positive affect items RwHLTHPY and RwHLTINT. RwHLTPOS2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwHLTPOS2 is assigned special missing value .c. In the case that the respondent did not do health-related activities yesterday, RwHLTPOS2 is assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwHLTPOS3 is a 3-item index of healthy activity related positive affect. RwHLTPOS3 is the mean of positive affect items RwHLTHPY, RwHLTINT, and RwHLTCON. RwHLTPOS3M is the count of the number of missing

components for this summary. RwHLTPOS2 is set to .m if more than one item has a missing value, that is RwHLTPOS3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwHLTPOS3 and RwHLTPOS3M are assigned special missing value .c. In the case that the respondent did not do health-related activities yesterday, RwHLTPOS3 and RwHLTPOS3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwHLTHPY, SwHLTINT, and SwHLTCON are variables indicating how the respondent's spouse felt when they were doing health-related activities yesterday, and their values are taken directly from the corresponding respondent variables. SwHLTPOS2 is the respondent's spouse's score of the two-item healthy activity related positive affect summary, and its value is taken directly from the corresponding respondent variable. SwHLTPOS3 and SwHLTPOS3M are the respondent's spouse's scores of the three-item healthy activity related positive affect summary, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwTRVHPY, RwTRVINT, and RwTRVCON are variables indicating how the respondent felt while traveling or commuting yesterday. RwTRVHPY indicates how happy the respondent felt while traveling or commuting yesterday. RwTRVINT indicates how interested the respondent felt while traveling or commuting yesterday. RwTRVCON indicates how content the respondent felt while traveling or commuting yesterday. RwTRVHPY, RwTRVINT, and RwTRVCON have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not travel or commute yesterday, RwTRVHPY, RwTRVINT and RwTRVCON are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwTRVPOS2 is a 2-item index of traveling/commuting related positive affect. RwTRVPOS2 is the mean of positive affect items RwTRVHPY and RwTRVINT. RwTRVPOS2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwTRVPOS2 is assigned special missing value .c. In the case that the respondent did not travel or commute yesterday, RwTRVPOS2 is assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwTRVPOS3 is a 3-item index of traveling/commuting related positive affect. RwTRVPOS3 is the mean of positive affect items RwTRVHPY, RwTRVINT, and RwTRVCON. RwTRVPOS3M is the count of the number of missing components for this summary. RwTRVPOS2 is set to .m if more than one item has a missing value, that is RwTRVPOS3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwTRVPOS3 and RwTRVPOS3M are assigned special missing value .c. In the case that the respondent did not travel or commute yesterday, RwTRVPOS3 and RwTRVPOS3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwTRVHPY, SwTRVINT, and SwTRVCON are variables indicating how the respondent's spouse felt when they were traveling or commuting yesterday, and their values are taken directly from the corresponding respondent variables. SwTRVPOS2 is the respondent's spouse's score of the two-item traveling/commuting related positive affect summary, and its value is taken directly from the corresponding respondent variable. SwTRVPOS3 and SwTRVPOS3M are the respondent's spouse's scores of the three-item traveling/commuting related positive affect summary and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.



RwFRNHPY, RwFRNINT, and RwFRNCON are variables indicating how the respondent felt while spending time with friends yesterday. RwFRNHPY indicates how happy the respondent felt while spending time with friends yesterday. RwFRNINT indicates how interested the respondent felt while spending time with friends yesterday. RwFRNCON indicates how content the respondent felt while spending time with friends yesterday. RwFRNHPY, RwFRNINT, and RwFRNCON have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not spend time with friends yesterday, RwFRNHPY, RwFRNINT, and RwFRNCON are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwFRNPOS2 is a 2-item index of spending time with friends related positive affect. RwFRNPOS2 is the mean of positive affect items RwFRNHPY and RwFRNINT. RwFRNPOS2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwFRNPOS2 is assigned special missing value .c. In the case that the respondent did not spend time with friends yesterday, RwFRNPOS2 is assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwFRNPOS3 is a 3-item index of spending time with friends related positive affect. RwFRNPOS3 is the mean of positive affect items RwFRNHPY, RwFRNINT, and RwFRNCON. RwFRNPOS3M is the count of the number of missing components for this summary. RwFRNPOS2 is set to .m if more than one item has a missing value, that is RwFRNPOS3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwFRNPOS3 and RwFRNPOS3M are assigned special missing value .c. In the case that the respondent did not spend time with friends yesterday, RwFRNPOS3 and RwFRNPOS3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwFRNHPY, SwFRNINT, and SwFRNCON are variables indicating how the respondent's spouse felt when they were spending time with friends yesterday, and their values are taken directly from the corresponding respondent variables. SwFRNPOS2 is the respondent's spouse's score of the two-item spending time with friends related positive affect summary, and its value is taken directly from the corresponding respondent variable. SwFRNPOS3 and SwFRNPOS3M, SwFRNNEG3, and SwFRNNEG3M are the respondent's spouse's scores of the three-item spending time with friends related positive affect summary, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSLFHPY, RwSLFINT, and RwSLFCON are variables indicating how the respondent felt while spending time home alone yesterday. RwSLFHPY indicates how happy the respondent felt while spending time home alone yesterday. RwSLFINT indicates how interested the respondent felt while spending time home alone yesterday. RwSLFCON indicates how content the respondent felt while spending time home alone yesterday. RwSLFHPY, RwSLFINT, and RwSLFCON have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not spend time home alone yesterday, RwSLFHPY, RwSLFINT, and RwSLFCON are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwSLFPOS2 is a 2-item index of spending time home alone related positive affect. RwSLFPOS2 is the mean of positive affect items RwSLFHPY and RwSLFINT. RwSLFPOS2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwSLFPOS2 is assigned special missing value .c. In the case that the respondent did not spend time home alone yesterday, RwSLFPOS2 is assigned special missing code .x. Don't know, refused, or other missing values are assigned special

missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwSLFPOS3 is a 3-item index of spending time home alone related positive affect. RwSLFPOS3 is the mean of positive affect items RwSLFHPY, RwSLFINT, and RwSLFCON. RwSLFPOS3M is the count of the number of missing components for this summary. RwSLFPOS2 is set to .m if more than one item has a missing value, that is RwSLFPOS3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwSLFPOS3 and RwSLFPOS3M are assigned special missing value .c. In the case that the respondent did not spend time home alone yesterday, RwSLFPOS3 and RwSLFPOS3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwSLFHPY, SwSLFINT, and SwSLFCON are variables indicating how the respondent's spouse felt when they were spending time home alone yesterday, and their values are taken directly from the corresponding respondent variables. SwSLFPOS2 is the respondent's spouse's score of the two-item spending time home alone related positive affect summary, and its value is taken directly from the corresponding respondent variable. SwSLFPOS3 and SwSLFPOS3M are the respondent's spouse's scores of the three-item spending time home alone related positive affect summary, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to activity-related positive affect items were added to HRS leave-behind survey in Wave 11 through Wave 14. The questions related to activity-related positive affect items were not asked in Wave 15.

## HRS Variables Used:

### Wave 11:

NLB054	q54. time spent watching tv yesterday
NLB056A	q56_a. watching tv - happy
NLB056B	q56_b. watching tv - interested
NLB056E	q56_e. watching tv - content
NLB057	q57. volunteer yesterday
NLB059A	q59_a. volunteering - happy
NLB059B	q59_b. volunteering - interested
NLB059E	q59_e. volunteering - content
NLB061	q61. walked or exercised yesterday
NLB063A	q63_a. walking - happy
NLB063B	q63_b. walking - interested
NLB063E	q63_e. walking - content
NLB064	q64. health-related activities yesterday
NLB066A	q66_a. activities - happy
NLB066B	q66_b. activities - interested
NLB066E	q66_e. activities - content
NLB067	q67. travel or commute yesterday
NLB069A	q69_a. travel - happy
NLB069B	q69_b. travel - interested
NLB069E	q69_e. travel - content
NLB070	q70. socializing with friends yesterday
NLB072A	q72_a. socializing - happy
NLB072B	q72_b. socializing - interested
NLB072E	q72_e. socializing - content
NLB073	q73. being at home yesterday
NLB075A	q75_a. at home - happy
NLB075B	q75_b. at home - interested
NLB075E	q75_e. at home - content

### Wave 12:

OLB047 q47. time spent watching tv yesterday  
 OLB049A q49a. watching tv - happy  
 OLB049B q49b. watching tv - interested  
 OLB049E q49e. watching tv - content  
 OLB050 q50. volunteer yesterday  
 OLB052A q52a. volunteering - happy  
 OLB052B q52b. volunteering - interested  
 OLB052E q52e. volunteering - content  
 OLB054 q54. walked or exercised yesterday  
 OLB056A q56a. walking - happy  
 OLB056B q56b. walking - interested  
 OLB056E q56e. walking - content  
 OLB057 q57. health-related activities yesterday  
 OLB059A q59a. activities - happy  
 OLB059B q59b. activities - interested  
 OLB059E q59e. activities - content  
 OLB060 q60. travel or commute yesterday  
 OLB062A q62a. travel - happy  
 OLB062B q62b. travel - interested  
 OLB062E q62e. travel - content  
 OLB063 q63. socializing with friends yesterday  
 OLB065A q65a. socializing - happy  
 OLB065B q65b. socializing - interested  
 OLB065E q65e. socializing - content  
 OLB066 q66. being at home yesterday  
 OLB068A q68a. at home - happy  
 OLB068B q68b. at home - interested  
 OLB068E q68e. at home - content

## Wave 13:

PLB047 q47. time spent watching tv yesterday  
 PLB049A q49a. watching tv - happy  
 PLB049B q49b. watching tv - interested  
 PLB049E q49e. watching tv - content  
 PLB050 q50. volunteer yesterday  
 PLB052A q52a. volunteering - happy  
 PLB052B q52b. volunteering - interested  
 PLB052E q52e. volunteering - content  
 PLB054 q54. walked or exercised yesterday  
 PLB056A q56a. walking - happy  
 PLB056B q56b. walking - interested  
 PLB056E q56e. walking - content  
 PLB057 q57. health-related activities yesterday  
 PLB059A q59a. activities - happy  
 PLB059B q59b. activities - interested  
 PLB059E q59e. activities - content  
 PLB060 q60. travel or commute yesterday  
 PLB062A q62a. travel - happy  
 PLB062B q62b. travel - interested  
 PLB062E q62e. travel - content  
 PLB063 q63. socializing with friends yesterday  
 PLB065A q65a. socializing - happy  
 PLB065B q65b. socializing - interested  
 PLB065E q65e. socializing - content  
 PLB066 q66. being at home yesterday  
 PLB068A q68a. at home - happy  
 PLB068B q68b. at home - interested  
 PLB068E q68e. at home - content

## Wave 14:

QLB047 q47. watching tv  
 QLB049A q49a. happy  
 QLB049B q49b. interested  
 QLB049E q49e. content  
 QLB050 q50. volunteer

QLB052A	q52a. happy
QLB052B	q52b. interested
QLB052E	q52e. content
QLB054	q54. walked or exercised
QLB056A	q56a. happy
QLB056B	q56b. interested
QLB056E	q56e. content
QLB057	q57. health-related activities
QLB059A	q59a. happy
QLB059B	q59b. interested
QLB059E	q59e. content
QLB060	q60. travel or commute
QLB062A	q62a. happy
QLB062B	q62b. interested
QLB062E	q62e. content
QLB063	q63. socializing with friends
QLB065A	q65a. happy
QLB065B	q65b. interested
QLB065E	q65e. content
QLB066	q66. being at home
QLB068A	q68a. at home - happy
QLB068B	q68b. interested
QLB068E	q68e. content

<b>Day Reconstruction: Activity-Related Negative Affective Experience Yesterday</b>
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Wave	Variable	Label	Type
11	R11WTVFRS	r11wtvfrs:w11 Affective Experience Frustrated: r watching TV	Cont
12	R12WTVFRS	r12wtvfrs:w12 Affective Experience Frustrated: r watching TV	Cont
13	R13WTVFRS	r13wtvfrs:w13 Affective Experience Frustrated: r watching TV	Cont
14	R14WTVFRS	r14wtvfrs:w14 Affective Experience Frustrated: r watching TV	Cont
11	S11WTVFRS	s11wtvfrs:w11 Affective Experience Frustrated: s watching TV	Cont
12	S12WTVFRS	s12wtvfrs:w12 Affective Experience Frustrated: s watching TV	Cont
13	S13WTVFRS	s13wtvfrs:w13 Affective Experience Frustrated: s watching TV	Cont
14	S14WTVFRS	s14wtvfrs:w14 Affective Experience Frustrated: s watching TV	Cont
11	R11WTVSAD	r11wtvsad:w11 Affective Experience Sad: r watching TV	Cont
12	R12WTVSAD	r12wtvsad:w12 Affective Experience Sad: r watching TV	Cont
13	R13WTVSAD	r13wtvsad:w13 Affective Experience Sad: r watching TV	Cont
14	R14WTVSAD	r14wtvsad:w14 Affective Experience Sad: r watching TV	Cont
11	S11WTVSAD	s11wtvsad:w11 Affective Experience Sad: s watching TV	Cont
12	S12WTVSAD	s12wtvsad:w12 Affective Experience Sad: s watching TV	Cont
13	S13WTVSAD	s13wtvsad:w13 Affective Experience Sad: s watching TV	Cont
14	S14WTVSAD	s14wtvsad:w14 Affective Experience Sad: s watching TV	Cont
11	R11WTVBOR	r11wtvbor:w11 Affective Experience Bored: r watching TV	Cont
12	R12WTVBOR	r12wtvbor:w12 Affective Experience Bored: r watching TV	Cont
13	R13WTVBOR	r13wtvbor:w13 Affective Experience Bored: r watching TV	Cont
14	R14WTVBOR	r14wtvbor:w14 Affective Experience Bored: r watching TV	Cont
11	S11WTVBOR	s11wtvbor:w11 Affective Experience Bored: s watching TV	Cont
12	S12WTVBOR	s12wtvbor:w12 Affective Experience Bored: s watching TV	Cont
13	S13WTVBOR	s13wtvbor:w13 Affective Experience Bored: s watching TV	Cont
14	S14WTVBOR	s14wtvbor:w14 Affective Experience Bored: s watching TV	Cont
11	R11WTVPAI	r11wtvpai:w11 Affective Experience Pain: r watching TV	Cont
12	R12WTVPAI	r12wtvpai:w12 Affective Experience Pain: r watching TV	Cont
13	R13WTVPAI	r13wtvpai:w13 Affective Experience Pain: r watching TV	Cont
14	R14WTVPAI	r14wtvpai:w14 Affective Experience Pain: r watching TV	Cont
11	S11WTVPAI	s11wtvpai:w11 Affective Experience Pain: s watching TV	Cont
12	S12WTVPAI	s12wtvpai:w12 Affective Experience Pain: s watching TV	Cont
13	S13WTVPAI	s13wtvpai:w13 Affective Experience Pain: s watching TV	Cont
14	S14WTVPAI	s14wtvpai:w14 Affective Experience Pain: s watching TV	Cont
11	R11WTVNEG2	r11wtvneg2:w11 r watch tv: Neg Affect Index 2-item	Cont
12	R12WTVNEG2	r12wtvneg2:w12 r watch tv: Neg Affect Index 2-item	Cont
13	R13WTVNEG2	r13wtvneg2:w13 r watch tv: Neg Affect Index 2-item	Cont
14	R14WTVNEG2	r14wtvneg2:w14 r watch tv: Neg Affect Index 2-item	Cont
11	S11WTVNEG2	s11wtvneg2:w11 s watch tv: Neg Affect Index 2-item	Cont
12	S12WTVNEG2	s12wtvneg2:w12 s watch tv: Neg Affect Index 2-item	Cont
13	S13WTVNEG2	s13wtvneg2:w13 s watch tv: Neg Affect Index 2-item	Cont
14	S14WTVNEG2	s14wtvneg2:w14 s watch tv: Neg Affect Index 2-item	Cont
11	R11WTVNEG3	r11wtvneg3:w11 r watch tv: Neg Affect Index 3-item	Cont
12	R12WTVNEG3	r12wtvneg3:w12 r watch tv: Neg Affect Index 3-item	Cont
13	R13WTVNEG3	r13wtvneg3:w13 r watch tv: Neg Affect Index 3-item	Cont
14	R14WTVNEG3	r14wtvneg3:w14 r watch tv: Neg Affect Index 3-item	Cont
11	S11WTVNEG3	s11wtvneg3:w11 s watch tv: Neg Affect Index 3-item	Cont
12	S12WTVNEG3	s12wtvneg3:w12 s watch tv: Neg Affect Index 3-item	Cont

13	S13WTVNEG3	s13wtvneg3:w13	s	watch tv: Neg Affect Index 3-item	Cont
14	S14WTVNEG3	s14wtvneg3:w14	s	watch tv: Neg Affect Index 3-item	Cont
11	R11WTVNEG3M	r11wtvneg3m:w11	r	watch tv: missings Neg Affect Index 3-item	Cont
12	R12WTVNEG3M	r12wtvneg3m:w12	r	watch tv: missings Neg Affect Index 3-item	Cont
13	R13WTVNEG3M	r13wtvneg3m:w13	r	watch tv: missings Neg Affect Index 3-item	Cont
14	R14WTVNEG3M	r14wtvneg3m:w14	r	watch tv: missings Neg Affect Index 3-item	Cont
11	S11WTVNEG3M	s11wtvneg3m:w11	s	watch tv: missings Neg Affect Index 3-item	Cont
12	S12WTVNEG3M	s12wtvneg3m:w12	s	watch tv: missings Neg Affect Index 3-item	Cont
13	S13WTVNEG3M	s13wtvneg3m:w13	s	watch tv: missings Neg Affect Index 3-item	Cont
14	S14WTVNEG3M	s14wtvneg3m:w14	s	watch tv: missings Neg Affect Index 3-item	Cont
11	R11WKVFRS	r11wkvfrs:w11	Affective Experience Frustrated:	r working or	Cont
12	R12WKVFRS	r12wkvfrs:w12	Affective Experience Frustrated:	r working or	Cont
13	R13WKVFRS	r13wkvfrs:w13	Affective Experience Frustrated:	r working or	Cont
14	R14WKVFRS	r14wkvfrs:w14	Affective Experience Frustrated:	r working or	Cont
11	S11WKVFRS	s11wkvfrs:w11	Affective Experience Frustrated:	s working or	Cont
12	S12WKVFRS	s12wkvfrs:w12	Affective Experience Frustrated:	s working or	Cont
13	S13WKVFRS	s13wkvfrs:w13	Affective Experience Frustrated:	s working or	Cont
14	S14WKVFRS	s14wkvfrs:w14	Affective Experience Frustrated:	s working or	Cont
11	R11WKVSAD	r11wkvsad:w11	Affective Experience Sad:	r working or volunte	Cont
12	R12WKVSAD	r12wkvsad:w12	Affective Experience Sad:	r working or volunte	Cont
13	R13WKVSAD	r13wkvsad:w13	Affective Experience Sad:	r working or volunte	Cont
14	R14WKVSAD	r14wkvsad:w14	Affective Experience Sad:	r working or volunte	Cont
11	S11WKVSAD	s11wkvsad:w11	Affective Experience Sad:	s working or volunte	Cont
12	S12WKVSAD	s12wkvsad:w12	Affective Experience Sad:	s working or volunte	Cont
13	S13WKVSAD	s13wkvsad:w13	Affective Experience Sad:	s working or volunte	Cont
14	S14WKVSAD	s14wkvsad:w14	Affective Experience Sad:	s working or volunte	Cont
11	R11WKVBOR	r11wkvbor:w11	Affective Experience Bored:	r working or volun	Cont
12	R12WKVBOR	r12wkvbor:w12	Affective Experience Bored:	r working or volun	Cont
13	R13WKVBOR	r13wkvbor:w13	Affective Experience Bored:	r working or volun	Cont
14	R14WKVBOR	r14wkvbor:w14	Affective Experience Bored:	r working or volun	Cont
11	S11WKVBOR	s11wkvbor:w11	Affective Experience Bored:	s working or volun	Cont
12	S12WKVBOR	s12wkvbor:w12	Affective Experience Bored:	s working or volun	Cont
13	S13WKVBOR	s13wkvbor:w13	Affective Experience Bored:	s working or volun	Cont
14	S14WKVBOR	s14wkvbor:w14	Affective Experience Bored:	s working or volun	Cont
11	R11WKVPAI	r11wkvpai:w11	Affective Experience Pain:	r working or volunt	Cont
12	R12WKVPAI	r12wkvpai:w12	Affective Experience Pain:	r working or volunt	Cont
13	R13WKVPAI	r13wkvpai:w13	Affective Experience Pain:	r working or volunt	Cont
14	R14WKVPAI	r14wkvpai:w14	Affective Experience Pain:	r working or volunt	Cont
11	S11WKVPAI	s11wkvpai:w11	Affective Experience Pain:	s working or volunt	Cont
12	S12WKVPAI	s12wkvpai:w12	Affective Experience Pain:	s working or volunt	Cont
13	S13WKVPAI	s13wkvpai:w13	Affective Experience Pain:	s working or volunt	Cont
14	S14WKVPAI	s14wkvpai:w14	Affective Experience Pain:	s working or volunt	Cont
11	R11WKVNEG2	r11wkvneg2:w11	r worked/volunteered:	Neg Affect Index 2-item	Cont
12	R12WKVNEG2	r12wkvneg2:w12	r worked/volunteered:	Neg Affect Index 2-item	Cont
13	R13WKVNEG2	r13wkvneg2:w13	r worked/volunteered:	Neg Affect Index 2-item	Cont
14	R14WKVNEG2	r14wkvneg2:w14	r worked/volunteered:	Neg Affect Index 2-item	Cont
11	S11WKVNEG2	s11wkvneg2:w11	s worked/volunteered:	Neg Affect Index 2-item	Cont
12	S12WKVNEG2	s12wkvneg2:w12	s worked/volunteered:	Neg Affect Index 2-item	Cont
13	S13WKVNEG2	s13wkvneg2:w13	s worked/volunteered:	Neg Affect Index 2-item	Cont
14	S14WKVNEG2	s14wkvneg2:w14	s worked/volunteered:	Neg Affect Index 2-item	Cont

11	R11WKVNEG3	r11wkvneg3:w11	r	worked/volunteered: Neg Affect Index 3-item	Cont
12	R12WKVNEG3	r12wkvneg3:w12	r	worked/volunteered: Neg Affect Index 3-item	Cont
13	R13WKVNEG3	r13wkvneg3:w13	r	worked/volunteered: Neg Affect Index 3-item	Cont
14	R14WKVNEG3	r14wkvneg3:w14	r	worked/volunteered: Neg Affect Index 3-item	Cont
11	S11WKVNEG3	s11wkvneg3:w11	s	worked/volunteered: Neg Affect Index 3-item	Cont
12	S12WKVNEG3	s12wkvneg3:w12	s	worked/volunteered: Neg Affect Index 3-item	Cont
13	S13WKVNEG3	s13wkvneg3:w13	s	worked/volunteered: Neg Affect Index 3-item	Cont
14	S14WKVNEG3	s14wkvneg3:w14	s	worked/volunteered: Neg Affect Index 3-item	Cont
11	R11WKVNEG3M	r11wkvneg3m:w11	r	worked/volunteered: missings Neg Affect In	Cont
12	R12WKVNEG3M	r12wkvneg3m:w12	r	worked/volunteered: missings Neg Affect In	Cont
13	R13WKVNEG3M	r13wkvneg3m:w13	r	worked/volunteered: missings Neg Affect In	Cont
14	R14WKVNEG3M	r14wkvneg3m:w14	r	worked/volunteered: missings Neg Affect In	Cont
11	S11WKVNEG3M	s11wkvneg3m:w11	s	worked/volunteered: missings Neg Affect In	Cont
12	S12WKVNEG3M	s12wkvneg3m:w12	s	worked/volunteered: missings Neg Affect In	Cont
13	S13WKVNEG3M	s13wkvneg3m:w13	s	worked/volunteered: missings Neg Affect In	Cont
14	S14WKVNEG3M	s14wkvneg3m:w14	s	worked/volunteered: missings Neg Affect In	Cont
11	R11EXRFRS	r11exrfrs:w11	Affective Experience Frustrated: r	walking or	Cont
12	R12EXRFRS	r12exrfrs:w12	Affective Experience Frustrated: r	walking or	Cont
13	R13EXRFRS	r13exrfrs:w13	Affective Experience Frustrated: r	walking or	Cont
14	R14EXRFRS	r14exrfrs:w14	Affective Experience Frustrated: r	walking or	Cont
11	S11EXRFRS	s11exrfrs:w11	Affective Experience Frustrated: s	walking or	Cont
12	S12EXRFRS	s12exrfrs:w12	Affective Experience Frustrated: s	walking or	Cont
13	S13EXRFRS	s13exrfrs:w13	Affective Experience Frustrated: s	walking or	Cont
14	S14EXRFRS	s14exrfrs:w14	Affective Experience Frustrated: s	walking or	Cont
11	R11EXRSAD	r11exrsad:w11	Affective Experience Sad: r	walking or exercis	Cont
12	R12EXRSAD	r12exrsad:w12	Affective Experience Sad: r	walking or exercis	Cont
13	R13EXRSAD	r13exrsad:w13	Affective Experience Sad: r	walking or exercis	Cont
14	R14EXRSAD	r14exrsad:w14	Affective Experience Sad: r	walking or exercis	Cont
11	S11EXRSAD	s11exrsad:w11	Affective Experience Sad: s	walking or exercis	Cont
12	S12EXRSAD	s12exrsad:w12	Affective Experience Sad: s	walking or exercis	Cont
13	S13EXRSAD	s13exrsad:w13	Affective Experience Sad: s	walking or exercis	Cont
14	S14EXRSAD	s14exrsad:w14	Affective Experience Sad: s	walking or exercis	Cont
11	R11EXRBOR	r11exrbor:w11	Affective Experience Bored: r	walking or exerc	Cont
12	R12EXRBOR	r12exrbor:w12	Affective Experience Bored: r	walking or exerc	Cont
13	R13EXRBOR	r13exrbor:w13	Affective Experience Bored: r	walking or exerc	Cont
14	R14EXRBOR	r14exrbor:w14	Affective Experience Bored: r	walking or exerc	Cont
11	S11EXRBOR	s11exrbor:w11	Affective Experience Bored: s	walking or exerc	Cont
12	S12EXRBOR	s12exrbor:w12	Affective Experience Bored: s	walking or exerc	Cont
13	S13EXRBOR	s13exrbor:w13	Affective Experience Bored: s	walking or exerc	Cont
14	S14EXRBOR	s14exrbor:w14	Affective Experience Bored: s	walking or exerc	Cont
11	R11EXRPAI	r11exrpai:w11	Affective Experience Pain: r	walking or exerci	Cont
12	R12EXRPAI	r12exrpai:w12	Affective Experience Pain: r	walking or exerci	Cont
13	R13EXRPAI	r13exrpai:w13	Affective Experience Pain: r	walking or exerci	Cont
14	R14EXRPAI	r14exrpai:w14	Affective Experience Pain: r	walking or exerci	Cont
11	S11EXRPAI	s11exrpai:w11	Affective Experience Pain: s	walking or exerci	Cont
12	S12EXRPAI	s12exrpai:w12	Affective Experience Pain: s	walking or exerci	Cont
13	S13EXRPAI	s13exrpai:w13	Affective Experience Pain: s	walking or exerci	Cont
14	S14EXRPAI	s14exrpai:w14	Affective Experience Pain: s	walking or exerci	Cont
11	R11EXRNEG2	r11exrneg2:w11	r	walked/exercised: Neg Affect Index 2-item	Cont
12	R12EXRNEG2	r12exrneg2:w12	r	walked/exercised: Neg Affect Index 2-item	Cont
13	R13EXRNEG2	r13exrneg2:w13	r	walked/exercised: Neg Affect Index 2-item	Cont

14	R14EXRNEG2	r14exrneg2:w14	r	walked/exercised:	Neg Affect Index 2-item	Cont
11	S11EXRNEG2	s11exrneg2:w11	s	walked/exercised:	Neg Affect Index 2-item	Cont
12	S12EXRNEG2	s12exrneg2:w12	s	walked/exercised:	Neg Affect Index 2-item	Cont
13	S13EXRNEG2	s13exrneg2:w13	s	walked/exercised:	Neg Affect Index 2-item	Cont
14	S14EXRNEG2	s14exrneg2:w14	s	walked/exercised:	Neg Affect Index 2-item	Cont
11	R11EXRNEG3	r11exrneg3:w11	r	walked/exercised:	Neg Affect Index 3-item	Cont
12	R12EXRNEG3	r12exrneg3:w12	r	walked/exercised:	Neg Affect Index 3-item	Cont
13	R13EXRNEG3	r13exrneg3:w13	r	walked/exercised:	Neg Affect Index 3-item	Cont
14	R14EXRNEG3	r14exrneg3:w14	r	walked/exercised:	Neg Affect Index 3-item	Cont
11	S11EXRNEG3	s11exrneg3:w11	s	walked/exercised:	Neg Affect Index 3-item	Cont
12	S12EXRNEG3	s12exrneg3:w12	s	walked/exercised:	Neg Affect Index 3-item	Cont
13	S13EXRNEG3	s13exrneg3:w13	s	walked/exercised:	Neg Affect Index 3-item	Cont
14	S14EXRNEG3	s14exrneg3:w14	s	walked/exercised:	Neg Affect Index 3-item	Cont
11	R11EXRNEG3M	r11exrneg3m:w11	r	walked/exercised:	missings Neg Affect Inde	Cont
12	R12EXRNEG3M	r12exrneg3m:w12	r	walked/exercised:	missings Neg Affect Inde	Cont
13	R13EXRNEG3M	r13exrneg3m:w13	r	walked/exercised:	missings Neg Affect Inde	Cont
14	R14EXRNEG3M	r14exrneg3m:w14	r	walked/exercised:	missings Neg Affect Inde	Cont
11	S11EXRNEG3M	s11exrneg3m:w11	s	walked/exercised:	missings Neg Affect Inde	Cont
12	S12EXRNEG3M	s12exrneg3m:w12	s	walked/exercised:	missings Neg Affect Inde	Cont
13	S13EXRNEG3M	s13exrneg3m:w13	s	walked/exercised:	missings Neg Affect Inde	Cont
14	S14EXRNEG3M	s14exrneg3m:w14	s	walked/exercised:	missings Neg Affect Inde	Cont
11	R11HLTFRS	r11hltfrs:w11	Affective Experience	Frustrated: r	health-rela	Cont
12	R12HLTFRS	r12hltfrs:w12	Affective Experience	Frustrated: r	health-rela	Cont
13	R13HLTFRS	r13hltfrs:w13	Affective Experience	Frustrated: r	health-rela	Cont
14	R14HLTFRS	r14hltfrs:w14	Affective Experience	Frustrated: r	health-rela	Cont
11	S11HLTFRS	s11hltfrs:w11	Affective Experience	Frustrated: s	health-rela	Cont
12	S12HLTFRS	s12hltfrs:w12	Affective Experience	Frustrated: s	health-rela	Cont
13	S13HLTFRS	s13hltfrs:w13	Affective Experience	Frustrated: s	health-rela	Cont
14	S14HLTFRS	s14hltfrs:w14	Affective Experience	Frustrated: s	health-rela	Cont
11	R11HLTSAD	r11hltsad:w11	Affective Experience	Sad: r	health-related act	Cont
12	R12HLTSAD	r12hltsad:w12	Affective Experience	Sad: r	health-related act	Cont
13	R13HLTSAD	r13hltsad:w13	Affective Experience	Sad: r	health-related act	Cont
14	R14HLTSAD	r14hltsad:w14	Affective Experience	Sad: r	health-related act	Cont
11	S11HLTSAD	s11hltsad:w11	Affective Experience	Sad: s	health-related act	Cont
12	S12HLTSAD	s12hltsad:w12	Affective Experience	Sad: s	health-related act	Cont
13	S13HLTSAD	s13hltsad:w13	Affective Experience	Sad: s	health-related act	Cont
14	S14HLTSAD	s14hltsad:w14	Affective Experience	Sad: s	health-related act	Cont
11	R11HLTBOR	r11hltbor:w11	Affective Experience	Bored: r	health-related a	Cont
12	R12HLTBOR	r12hltbor:w12	Affective Experience	Bored: r	health-related a	Cont
13	R13HLTBOR	r13hltbor:w13	Affective Experience	Bored: r	health-related a	Cont
14	R14HLTBOR	r14hltbor:w14	Affective Experience	Bored: r	health-related a	Cont
11	S11HLTBOR	s11hltbor:w11	Affective Experience	Bored: s	health-related a	Cont
12	S12HLTBOR	s12hltbor:w12	Affective Experience	Bored: s	health-related a	Cont
13	S13HLTBOR	s13hltbor:w13	Affective Experience	Bored: s	health-related a	Cont
14	S14HLTBOR	s14hltbor:w14	Affective Experience	Bored: s	health-related a	Cont
11	R11HLTPAI	r11hltpai:w11	Affective Experience	Pain: r	health-related ac	Cont
12	R12HLTPAI	r12hltpai:w12	Affective Experience	Pain: r	health-related ac	Cont
13	R13HLTPAI	r13hltpai:w13	Affective Experience	Pain: r	health-related ac	Cont
14	R14HLTPAI	r14hltpai:w14	Affective Experience	Pain: r	health-related ac	Cont
11	S11HLTPAI	s11hltpai:w11	Affective Experience	Pain: s	health-related ac	Cont



12	S12HLTPAI	s12hltpai:w12	Affective Experience	Pain: s	health-related ac	Cont
13	S13HLTPAI	s13hltpai:w13	Affective Experience	Pain: s	health-related ac	Cont
14	S14HLTPAI	s14hltpai:w14	Affective Experience	Pain: s	health-related ac	Cont
11	R11HLTNEG2	r11hltneg2:w11	r healthy activity:	Neg Affect Index	2-item	Cont
12	R12HLTNEG2	r12hltneg2:w12	r healthy activity:	Neg Affect Index	2-item	Cont
13	R13HLTNEG2	r13hltneg2:w13	r healthy activity:	Neg Affect Index	2-item	Cont
14	R14HLTNEG2	r14hltneg2:w14	r healthy activity:	Neg Affect Index	2-item	Cont
11	S11HLTNEG2	s11hltneg2:w11	s healthy activity:	Neg Affect Index	2-item	Cont
12	S12HLTNEG2	s12hltneg2:w12	s healthy activity:	Neg Affect Index	2-item	Cont
13	S13HLTNEG2	s13hltneg2:w13	s healthy activity:	Neg Affect Index	2-item	Cont
14	S14HLTNEG2	s14hltneg2:w14	s healthy activity:	Neg Affect Index	2-item	Cont
11	R11HLTNEG3	r11hltneg3:w11	r healthy activity:	Neg Affect Index	3-item	Cont
12	R12HLTNEG3	r12hltneg3:w12	r healthy activity:	Neg Affect Index	3-item	Cont
13	R13HLTNEG3	r13hltneg3:w13	r healthy activity:	Neg Affect Index	3-item	Cont
14	R14HLTNEG3	r14hltneg3:w14	r healthy activity:	Neg Affect Index	3-item	Cont
11	S11HLTNEG3	s11hltneg3:w11	s healthy activity:	Neg Affect Index	3-item	Cont
12	S12HLTNEG3	s12hltneg3:w12	s healthy activity:	Neg Affect Index	3-item	Cont
13	S13HLTNEG3	s13hltneg3:w13	s healthy activity:	Neg Affect Index	3-item	Cont
14	S14HLTNEG3	s14hltneg3:w14	s healthy activity:	Neg Affect Index	3-item	Cont
11	R11HLTNEG3M	r11hltneg3m:w11	r healthy activity:	missings Neg Affect Inde	Cont	
12	R12HLTNEG3M	r12hltneg3m:w12	r healthy activity:	missings Neg Affect Inde	Cont	
13	R13HLTNEG3M	r13hltneg3m:w13	r healthy activity:	missings Neg Affect Inde	Cont	
14	R14HLTNEG3M	r14hltneg3m:w14	r healthy activity:	missings Neg Affect Inde	Cont	
11	S11HLTNEG3M	s11hltneg3m:w11	s healthy activity:	missings Neg Affect Inde	Cont	
12	S12HLTNEG3M	s12hltneg3m:w12	s healthy activity:	missings Neg Affect Inde	Cont	
13	S13HLTNEG3M	s13hltneg3m:w13	s healthy activity:	missings Neg Affect Inde	Cont	
14	S14HLTNEG3M	s14hltneg3m:w14	s healthy activity:	missings Neg Affect Inde	Cont	
11	R11TRVFRS	r11trvfrs:w11	Affective Experience	Frustrated: r	traveled or	Cont
12	R12TRVFRS	r12trvfrs:w12	Affective Experience	Frustrated: r	traveled or	Cont
13	R13TRVFRS	r13trvfrs:w13	Affective Experience	Frustrated: r	traveled or	Cont
14	R14TRVFRS	r14trvfrs:w14	Affective Experience	Frustrated: r	traveled or	Cont
11	S11TRVFRS	s11trvfrs:w11	Affective Experience	Frustrated: s	traveled or	Cont
12	S12TRVFRS	s12trvfrs:w12	Affective Experience	Frustrated: s	traveled or	Cont
13	S13TRVFRS	s13trvfrs:w13	Affective Experience	Frustrated: s	traveled or	Cont
14	S14TRVFRS	s14trvfrs:w14	Affective Experience	Frustrated: s	traveled or	Cont
11	R11TRVSAD	r11trvsad:w11	Affective Experience	Sad: r	traveled or commut	Cont
12	R12TRVSAD	r12trvsad:w12	Affective Experience	Sad: r	traveled or commut	Cont
13	R13TRVSAD	r13trvsad:w13	Affective Experience	Sad: r	traveled or commut	Cont
14	R14TRVSAD	r14trvsad:w14	Affective Experience	Sad: r	traveled or commut	Cont
11	S11TRVSAD	s11trvsad:w11	Affective Experience	Sad: s	traveled or commut	Cont
12	S12TRVSAD	s12trvsad:w12	Affective Experience	Sad: s	traveled or commut	Cont
13	S13TRVSAD	s13trvsad:w13	Affective Experience	Sad: s	traveled or commut	Cont
14	S14TRVSAD	s14trvsad:w14	Affective Experience	Sad: s	traveled or commut	Cont
11	R11TRVBOR	r11trvbor:w11	Affective Experience	Bored: r	traveled or comm	Cont
12	R12TRVBOR	r12trvbor:w12	Affective Experience	Bored: r	traveled or comm	Cont
13	R13TRVBOR	r13trvbor:w13	Affective Experience	Bored: r	traveled or comm	Cont
14	R14TRVBOR	r14trvbor:w14	Affective Experience	Bored: r	traveled or comm	Cont
11	S11TRVBOR	s11trvbor:w11	Affective Experience	Bored: s	traveled or comm	Cont
12	S12TRVBOR	s12trvbor:w12	Affective Experience	Bored: s	traveled or comm	Cont
13	S13TRVBOR	s13trvbor:w13	Affective Experience	Bored: s	traveled or comm	Cont
14	S14TRVBOR	s14trvbor:w14	Affective Experience	Bored: s	traveled or comm	Cont

11	R11TRVPAL	r11trvpai:w11	Affective Experience Pain: r	traveled or commu	Cont
12	R12TRVPAL	r12trvpai:w12	Affective Experience Pain: r	traveled or commu	Cont
13	R13TRVPAL	r13trvpai:w13	Affective Experience Pain: r	traveled or commu	Cont
14	R14TRVPAL	r14trvpai:w14	Affective Experience Pain: r	traveled or commu	Cont
11	S11TRVPAL	s11trvpai:w11	Affective Experience Pain: s	traveled or commu	Cont
12	S12TRVPAL	s12trvpai:w12	Affective Experience Pain: s	traveled or commu	Cont
13	S13TRVPAL	s13trvpai:w13	Affective Experience Pain: s	traveled or commu	Cont
14	S14TRVPAL	s14trvpai:w14	Affective Experience Pain: s	traveled or commu	Cont
11	R11TRVNEG2	r11trvneg2:w11	r traveled/commuted: Neg Affect Index 2-item		Cont
12	R12TRVNEG2	r12trvneg2:w12	r traveled/commuted: Neg Affect Index 2-item		Cont
13	R13TRVNEG2	r13trvneg2:w13	r traveled/commuted: Neg Affect Index 2-item		Cont
14	R14TRVNEG2	r14trvneg2:w14	r traveled/commuted: Neg Affect Index 2-item		Cont
11	S11TRVNEG2	s11trvneg2:w11	s traveled/commuted: Neg Affect Index 2-item		Cont
12	S12TRVNEG2	s12trvneg2:w12	s traveled/commuted: Neg Affect Index 2-item		Cont
13	S13TRVNEG2	s13trvneg2:w13	s traveled/commuted: Neg Affect Index 2-item		Cont
14	S14TRVNEG2	s14trvneg2:w14	s traveled/commuted: Neg Affect Index 2-item		Cont
11	R11TRVNEG3	r11trvneg3:w11	r traveled/commuted: Neg Affect Index 3-item		Cont
12	R12TRVNEG3	r12trvneg3:w12	r traveled/commuted: Neg Affect Index 3-item		Cont
13	R13TRVNEG3	r13trvneg3:w13	r traveled/commuted: Neg Affect Index 3-item		Cont
14	R14TRVNEG3	r14trvneg3:w14	r traveled/commuted: Neg Affect Index 3-item		Cont
11	S11TRVNEG3	s11trvneg3:w11	s traveled/commuted: Neg Affect Index 3-item		Cont
12	S12TRVNEG3	s12trvneg3:w12	s traveled/commuted: Neg Affect Index 3-item		Cont
13	S13TRVNEG3	s13trvneg3:w13	s traveled/commuted: Neg Affect Index 3-item		Cont
14	S14TRVNEG3	s14trvneg3:w14	s traveled/commuted: Neg Affect Index 3-item		Cont
11	R11TRVNEG3M	r11trvneg3m:w11	r traveled/commuted: missings Neg Affect Ind		Cont
12	R12TRVNEG3M	r12trvneg3m:w12	r traveled/commuted: missings Neg Affect Ind		Cont
13	R13TRVNEG3M	r13trvneg3m:w13	r traveled/commuted: missings Neg Affect Ind		Cont
14	R14TRVNEG3M	r14trvneg3m:w14	r traveled/commuted: missings Neg Affect Ind		Cont
11	S11TRVNEG3M	s11trvneg3m:w11	s traveled/commuted: missings Neg Affect Ind		Cont
12	S12TRVNEG3M	s12trvneg3m:w12	s traveled/commuted: missings Neg Affect Ind		Cont
13	S13TRVNEG3M	s13trvneg3m:w13	s traveled/commuted: missings Neg Affect Ind		Cont
14	S14TRVNEG3M	s14trvneg3m:w14	s traveled/commuted: missings Neg Affect Ind		Cont
11	R11FRNFERS	r11frnfrs:w11	Affective Experience Frustrated: r	spent time	Cont
12	R12FRNFERS	r12frnfrs:w12	Affective Experience Frustrated: r	spent time	Cont
13	R13FRNFERS	r13frnfrs:w13	Affective Experience Frustrated: r	spent time	Cont
14	R14FRNFERS	r14frnfrs:w14	Affective Experience Frustrated: r	spent time	Cont
11	S11FRNFERS	s11frnfrs:w11	Affective Experience Frustrated: s	spent time	Cont
12	S12FRNFERS	s12frnfrs:w12	Affective Experience Frustrated: s	spent time	Cont
13	S13FRNFERS	s13frnfrs:w13	Affective Experience Frustrated: s	spent time	Cont
14	S14FRNFERS	s14frnfrs:w14	Affective Experience Frustrated: s	spent time	Cont
11	R11FRNSAD	r11frnsad:w11	Affective Experience Sad: r	spent time with fr	Cont
12	R12FRNSAD	r12frnsad:w12	Affective Experience Sad: r	spent time with fr	Cont
13	R13FRNSAD	r13frnsad:w13	Affective Experience Sad: r	spent time with fr	Cont
14	R14FRNSAD	r14frnsad:w14	Affective Experience Sad: r	spent time with fr	Cont
11	S11FRNSAD	s11frnsad:w11	Affective Experience Sad: s	spent time with fr	Cont
12	S12FRNSAD	s12frnsad:w12	Affective Experience Sad: s	spent time with fr	Cont
13	S13FRNSAD	s13frnsad:w13	Affective Experience Sad: s	spent time with fr	Cont
14	S14FRNSAD	s14frnsad:w14	Affective Experience Sad: s	spent time with fr	Cont
11	R11FRNBOR	r11frnbor:w11	Affective Experience Bored: r	spent time with	Cont
12	R12FRNBOR	r12frnbor:w12	Affective Experience Bored: r	spent time with	Cont

13	R13FRNBOR	r13frnbor:w13	Affective Experience Bored: r spent time with	Cont
14	R14FRNBOR	r14frnbor:w14	Affective Experience Bored: r spent time with	Cont
11	S11FRNBOR	s11frnbor:w11	Affective Experience Bored: s spent time with	Cont
12	S12FRNBOR	s12frnbor:w12	Affective Experience Bored: s spent time with	Cont
13	S13FRNBOR	s13frnbor:w13	Affective Experience Bored: s spent time with	Cont
14	S14FRNBOR	s14frnbor:w14	Affective Experience Bored: s spent time with	Cont
11	R11FRNPAI	r11frnpai:w11	Affective Experience Pain: r spent time with f	Cont
12	R12FRNPAI	r12frnpai:w12	Affective Experience Pain: r spent time with f	Cont
13	R13FRNPAI	r13frnpai:w13	Affective Experience Pain: r spent time with f	Cont
14	R14FRNPAI	r14frnpai:w14	Affective Experience Pain: r spent time with f	Cont
11	S11FRNPAI	s11frnpai:w11	Affective Experience Pain: s spent time with f	Cont
12	S12FRNPAI	s12frnpai:w12	Affective Experience Pain: s spent time with f	Cont
13	S13FRNPAI	s13frnpai:w13	Affective Experience Pain: s spent time with f	Cont
14	S14FRNPAI	s14frnpai:w14	Affective Experience Pain: s spent time with f	Cont
11	R11FRNNEG2	r11frnneg2:w11	r time w/ friends: Neg Affect Index 2-item	Cont
12	R12FRNNEG2	r12frnneg2:w12	r time w/ friends: Neg Affect Index 2-item	Cont
13	R13FRNNEG2	r13frnneg2:w13	r time w/ friends: Neg Affect Index 2-item	Cont
14	R14FRNNEG2	r14frnneg2:w14	r time w/ friends: Neg Affect Index 2-item	Cont
11	S11FRNNEG2	s11frnneg2:w11	s time w/ friends: Neg Affect Index 2-item	Cont
12	S12FRNNEG2	s12frnneg2:w12	s time w/ friends: Neg Affect Index 2-item	Cont
13	S13FRNNEG2	s13frnneg2:w13	s time w/ friends: Neg Affect Index 2-item	Cont
14	S14FRNNEG2	s14frnneg2:w14	s time w/ friends: Neg Affect Index 2-item	Cont
11	R11FRNNEG3	r11frnneg3:w11	r time w/ friends: Neg Affect Index 3-item	Cont
12	R12FRNNEG3	r12frnneg3:w12	r time w/ friends: Neg Affect Index 3-item	Cont
13	R13FRNNEG3	r13frnneg3:w13	r time w/ friends: Neg Affect Index 3-item	Cont
14	R14FRNNEG3	r14frnneg3:w14	r time w/ friends: Neg Affect Index 3-item	Cont
11	S11FRNNEG3	s11frnneg3:w11	s time w/ friends: Neg Affect Index 3-item	Cont
12	S12FRNNEG3	s12frnneg3:w12	s time w/ friends: Neg Affect Index 3-item	Cont
13	S13FRNNEG3	s13frnneg3:w13	s time w/ friends: Neg Affect Index 3-item	Cont
14	S14FRNNEG3	s14frnneg3:w14	s time w/ friends: Neg Affect Index 3-item	Cont
11	R11FRNNEG3M	r11frnneg3m:w11	r time w/ friends: missings Neg Affect Index	Cont
12	R12FRNNEG3M	r12frnneg3m:w12	r time w/ friends: missings Neg Affect Index	Cont
13	R13FRNNEG3M	r13frnneg3m:w13	r time w/ friends: missings Neg Affect Index	Cont
14	R14FRNNEG3M	r14frnneg3m:w14	r time w/ friends: missings Neg Affect Index	Cont
11	S11FRNNEG3M	s11frnneg3m:w11	s time w/ friends: missings Neg Affect Index	Cont
12	S12FRNNEG3M	s12frnneg3m:w12	s time w/ friends: missings Neg Affect Index	Cont
13	S13FRNNEG3M	s13frnneg3m:w13	s time w/ friends: missings Neg Affect Index	Cont
14	S14FRNNEG3M	s14frnneg3m:w14	s time w/ friends: missings Neg Affect Index	Cont
11	R11SLFFRS	r11slffrs:w11	Affective Experience Frustrated: r spent time	Cont
12	R12SLFFRS	r12slffrs:w12	Affective Experience Frustrated: r spent time	Cont
13	R13SLFFRS	r13slffrs:w13	Affective Experience Frustrated: r spent time	Cont
14	R14SLFFRS	r14slffrs:w14	Affective Experience Frustrated: r spent time	Cont
11	S11SLFFRS	s11slffrs:w11	Affective Experience Frustrated: s spent time	Cont
12	S12SLFFRS	s12slffrs:w12	Affective Experience Frustrated: s spent time	Cont
13	S13SLFFRS	s13slffrs:w13	Affective Experience Frustrated: s spent time	Cont
14	S14SLFFRS	s14slffrs:w14	Affective Experience Frustrated: s spent time	Cont
11	R11SLFSAD	r11slfsad:w11	Affective Experience Sad: r spent time alone	Cont
12	R12SLFSAD	r12slfsad:w12	Affective Experience Sad: r spent time alone	Cont
13	R13SLFSAD	r13slfsad:w13	Affective Experience Sad: r spent time alone	Cont
14	R14SLFSAD	r14slfsad:w14	Affective Experience Sad: r spent time alone	Cont

11	S11SLFSAD	s11slfsad:w11	Affective Experience Sad: s	spent time alone	Cont
12	S12SLFSAD	s12slfsad:w12	Affective Experience Sad: s	spent time alone	Cont
13	S13SLFSAD	s13slfsad:w13	Affective Experience Sad: s	spent time alone	Cont
14	S14SLFSAD	s14slfsad:w14	Affective Experience Sad: s	spent time alone	Cont
11	R11SLFBOR	r11slfbor:w11	Affective Experience Bored: r	spent time alone	Cont
12	R12SLFBOR	r12slfbor:w12	Affective Experience Bored: r	spent time alone	Cont
13	R13SLFBOR	r13slfbor:w13	Affective Experience Bored: r	spent time alone	Cont
14	R14SLFBOR	r14slfbor:w14	Affective Experience Bored: r	spent time alone	Cont
11	S11SLFBOR	s11slfbor:w11	Affective Experience Bored: s	spent time alone	Cont
12	S12SLFBOR	s12slfbor:w12	Affective Experience Bored: s	spent time alone	Cont
13	S13SLFBOR	s13slfbor:w13	Affective Experience Bored: s	spent time alone	Cont
14	S14SLFBOR	s14slfbor:w14	Affective Experience Bored: s	spent time alone	Cont
11	R11SLFPAI	r11slfpai:w11	Affective Experience Pain: r	spent time alone	Cont
12	R12SLFPAI	r12slfpai:w12	Affective Experience Pain: r	spent time alone	Cont
13	R13SLFPAI	r13slfpai:w13	Affective Experience Pain: r	spent time alone	Cont
14	R14SLFPAI	r14slfpai:w14	Affective Experience Pain: r	spent time alone	Cont
11	S11SLFPAI	s11slfpai:w11	Affective Experience Pain: s	spent time alone	Cont
12	S12SLFPAI	s12slfpai:w12	Affective Experience Pain: s	spent time alone	Cont
13	S13SLFPAI	s13slfpai:w13	Affective Experience Pain: s	spent time alone	Cont
14	S14SLFPAI	s14slfpai:w14	Affective Experience Pain: s	spent time alone	Cont
11	R11SLFNEG2	r11slfneg2:w11	r time alone: Neg Affect Index 2-item		Cont
12	R12SLFNEG2	r12slfneg2:w12	r time alone: Neg Affect Index 2-item		Cont
13	R13SLFNEG2	r13slfneg2:w13	r time alone: Neg Affect Index 2-item		Cont
14	R14SLFNEG2	r14slfneg2:w14	r time alone: Neg Affect Index 2-item		Cont
11	S11SLFNEG2	s11slfneg2:w11	s time alone: Neg Affect Index 2-item		Cont
12	S12SLFNEG2	s12slfneg2:w12	s time alone: Neg Affect Index 2-item		Cont
13	S13SLFNEG2	s13slfneg2:w13	s time alone: Neg Affect Index 2-item		Cont
14	S14SLFNEG2	s14slfneg2:w14	s time alone: Neg Affect Index 2-item		Cont
11	R11SLFNEG3	r11slfneg3:w11	r time alone: Neg Affect Index 3-item		Cont
12	R12SLFNEG3	r12slfneg3:w12	r time alone: Neg Affect Index 3-item		Cont
13	R13SLFNEG3	r13slfneg3:w13	r time alone: Neg Affect Index 3-item		Cont
14	R14SLFNEG3	r14slfneg3:w14	r time alone: Neg Affect Index 3-item		Cont
11	S11SLFNEG3	s11slfneg3:w11	s time alone: Neg Affect Index 3-item		Cont
12	S12SLFNEG3	s12slfneg3:w12	s time alone: Neg Affect Index 3-item		Cont
13	S13SLFNEG3	s13slfneg3:w13	s time alone: Neg Affect Index 3-item		Cont
14	S14SLFNEG3	s14slfneg3:w14	s time alone: Neg Affect Index 3-item		Cont
11	R11SLFNEG3M	r11slfneg3m:w11	r time alone: missings Neg Affect Index 3-it		Cont
12	R12SLFNEG3M	r12slfneg3m:w12	r time alone: missings Neg Affect Index 3-it		Cont
13	R13SLFNEG3M	r13slfneg3m:w13	r time alone: missings Neg Affect Index 3-it		Cont
14	R14SLFNEG3M	r14slfneg3m:w14	r time alone: missings Neg Affect Index 3-it		Cont
11	S11SLFNEG3M	s11slfneg3m:w11	s time alone: missings Neg Affect Index 3-it		Cont
12	S12SLFNEG3M	s12slfneg3m:w12	s time alone: missings Neg Affect Index 3-it		Cont
13	S13SLFNEG3M	s13slfneg3m:w13	s time alone: missings Neg Affect Index 3-it		Cont
14	S14SLFNEG3M	s14slfneg3m:w14	s time alone: missings Neg Affect Index 3-it		Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R11WTVFRS	5981	0.85	1.44	0.00	6.00
R12WTVFRS	6152	0.88	1.47	0.00	6.00
R13WTVFRS	5227	0.97	1.56	0.00	6.00
R14WTVFRS	4653	0.88	1.48	0.00	6.00

S11WTVFRS	3810	0.81	1.39	0.00	6.00
S12WTVFRS	3880	0.86	1.44	0.00	6.00
S13WTVFRS	3186	0.94	1.51	0.00	6.00
S14WTVFRS	2824	0.88	1.46	0.00	6.00
R11WTVSAD	5994	0.72	1.39	0.00	6.00
R12WTVSAD	6185	0.74	1.40	0.00	6.00
R13WTVSAD	5251	0.76	1.41	0.00	6.00
R14WTVSAD	4659	0.73	1.39	0.00	6.00
S11WTVSAD	3817	0.68	1.34	0.00	6.00
S12WTVSAD	3906	0.68	1.34	0.00	6.00
S13WTVSAD	3199	0.70	1.35	0.00	6.00
S14WTVSAD	2824	0.71	1.36	0.00	6.00
R11WTVBOR	6032	1.01	1.50	0.00	6.00
R12WTVBOR	6204	1.08	1.57	0.00	6.00
R13WTVBOR	5260	1.04	1.53	0.00	6.00
R14WTVBOR	4675	1.06	1.53	0.00	6.00
S11WTVBOR	3835	0.95	1.44	0.00	6.00
S12WTVBOR	3906	1.03	1.52	0.00	6.00
S13WTVBOR	3206	0.98	1.46	0.00	6.00
S14WTVBOR	2830	1.03	1.47	0.00	6.00
R11WTVPAI	6022	1.22	1.78	0.00	6.00
R12WTVPAI	6207	1.27	1.82	0.00	6.00
R13WTVPAI	5270	1.31	1.85	0.00	6.00
R14WTVPAI	4687	1.30	1.84	0.00	6.00
S11WTVPAI	3827	1.13	1.71	0.00	6.00
S12WTVPAI	3908	1.20	1.77	0.00	6.00
S13WTVPAI	3207	1.19	1.76	0.00	6.00
S14WTVPAI	2833	1.21	1.78	0.00	6.00
R11WTVNEG2	5916	0.78	1.27	0.00	6.00
R12WTVNEG2	6101	0.80	1.29	0.00	6.00
R13WTVNEG2	5187	0.86	1.33	0.00	6.00
R14WTVNEG2	4613	0.80	1.29	0.00	6.00
S11WTVNEG2	3777	0.74	1.23	0.00	6.00
S12WTVNEG2	3862	0.77	1.26	0.00	6.00
S13WTVNEG2	3166	0.82	1.29	0.00	6.00
S14WTVNEG2	2804	0.79	1.27	0.00	6.00
R11WTVNEG3	6038	0.86	1.17	0.00	6.00
R12WTVNEG3	6220	0.90	1.20	0.00	6.00
R13WTVNEG3	5281	0.92	1.22	0.00	6.00
R14WTVNEG3	4686	0.89	1.18	0.00	6.00
S11WTVNEG3	3842	0.82	1.12	0.00	6.00
S12WTVNEG3	3915	0.86	1.17	0.00	6.00
S13WTVNEG3	3217	0.87	1.17	0.00	6.00
S14WTVNEG3	2836	0.87	1.14	0.00	6.00
R11WTVNEG3M	6500	0.23	0.76	0.00	3.00
R12WTVNEG3M	6577	0.18	0.67	0.00	3.00
R13WTVNEG3M	5569	0.17	0.66	0.00	3.00
R14WTVNEG3M	4995	0.20	0.72	0.00	3.00
S11WTVNEG3M	4069	0.18	0.68	0.00	3.00
S12WTVNEG3M	4070	0.13	0.57	0.00	3.00

S13WTVNEG3M	3342	0.13	0.58	0.00	3.00
S14WTVNEG3M	2989	0.16	0.65	0.00	3.00
R11WKVFRS	1860	1.11	1.56	0.00	6.00
R12WKVFRS	1870	1.16	1.57	0.00	6.00
R13WKVFRS	1676	1.29	1.66	0.00	6.00
R14WKVFRS	1410	1.22	1.60	0.00	6.00
S11WKVFRS	1268	1.07	1.51	0.00	6.00
S12WKVFRS	1261	1.17	1.52	0.00	6.00
S13WKVFRS	1103	1.26	1.63	0.00	6.00
S14WKVFRS	918	1.24	1.59	0.00	6.00
R11WKVSAD	1863	0.51	1.16	0.00	6.00
R12WKVSAD	1871	0.55	1.24	0.00	6.00
R13WKVSAD	1671	0.59	1.26	0.00	6.00
R14WKVSAD	1406	0.54	1.21	0.00	6.00
S11WKVSAD	1270	0.46	1.08	0.00	6.00
S12WKVSAD	1261	0.49	1.12	0.00	6.00
S13WKVSAD	1095	0.55	1.22	0.00	6.00
S14WKVSAD	916	0.48	1.13	0.00	6.00
R11WKVBOR	1865	0.60	1.24	0.00	6.00
R12WKVBOR	1874	0.65	1.27	0.00	6.00
R13WKVBOR	1683	0.76	1.38	0.00	6.00
R14WKVBOR	1416	0.64	1.26	0.00	6.00
S11WKVBOR	1270	0.57	1.19	0.00	6.00
S12WKVBOR	1262	0.63	1.19	0.00	6.00
S13WKVBOR	1101	0.69	1.31	0.00	6.00
S14WKVBOR	923	0.61	1.21	0.00	6.00
R11WKVPAI	1871	1.12	1.66	0.00	6.00
R12WKVPAI	1883	1.23	1.73	0.00	6.00
R13WKVPAI	1682	1.36	1.80	0.00	6.00
R14WKVPAI	1412	1.28	1.75	0.00	6.00
S11WKVPAI	1272	1.08	1.61	0.00	6.00
S12WKVPAI	1268	1.17	1.66	0.00	6.00
S13WKVPAI	1098	1.23	1.70	0.00	6.00
S14WKVPAI	918	1.25	1.72	0.00	6.00
R11WKVNEG2	1846	0.80	1.18	0.00	6.00
R12WKVNEG2	1855	0.85	1.24	0.00	6.00
R13WKVNEG2	1656	0.94	1.27	0.00	6.00
R14WKVNEG2	1401	0.87	1.21	0.00	6.00
S11WKVNEG2	1262	0.76	1.11	0.00	6.00
S12WKVNEG2	1254	0.82	1.13	0.00	6.00
S13WKVNEG2	1091	0.91	1.25	0.00	6.00
S14WKVNEG2	912	0.86	1.15	0.00	6.00
R11WKVNEG3	1867	0.74	1.05	0.00	6.00
R12WKVNEG3	1879	0.79	1.11	0.00	6.00
R13WKVNEG3	1687	0.88	1.14	0.00	6.00
R14WKVNEG3	1415	0.80	1.08	0.00	6.00
S11WKVNEG3	1273	0.70	0.99	0.00	6.00
S12WKVNEG3	1266	0.76	1.01	0.00	6.00
S13WKVNEG3	1105	0.83	1.11	0.00	6.00
S14WKVNEG3	922	0.78	1.02	0.00	6.00

R11WKVNEG3M	2156	0.41	1.01	0.00	3.00
R12WKVNEG3M	2141	0.38	0.98	0.00	3.00
R13WKVNEG3M	1916	0.37	0.97	0.00	3.00
R14WKVNEG3M	1639	0.42	1.03	0.00	3.00
S11WKVNEG3M	1419	0.32	0.91	0.00	3.00
S12WKVNEG3M	1388	0.27	0.85	0.00	3.00
S13WKVNEG3M	1211	0.28	0.85	0.00	3.00
S14WKVNEG3M	1027	0.32	0.91	0.00	3.00
R11EXRFRS	3306	0.62	1.26	0.00	6.00
R12EXRFRS	3563	0.69	1.29	0.00	6.00
R13EXRFRS	2991	0.71	1.33	0.00	6.00
R14EXRFRS	2731	0.66	1.29	0.00	6.00
S11EXRFRS	2121	0.58	1.19	0.00	6.00
S12EXRFRS	2225	0.65	1.24	0.00	6.00
S13EXRFRS	1814	0.64	1.23	0.00	6.00
S14EXRFRS	1634	0.65	1.23	0.00	6.00
R11EXRSAD	3294	0.42	1.03	0.00	6.00
R12EXRSAD	3543	0.49	1.18	0.00	6.00
R13EXRSAD	2974	0.47	1.15	0.00	6.00
R14EXRSAD	2727	0.44	1.10	0.00	6.00
S11EXRSAD	2116	0.37	0.94	0.00	6.00
S12EXRSAD	2221	0.43	1.09	0.00	6.00
S13EXRSAD	1802	0.43	1.08	0.00	6.00
S14EXRSAD	1633	0.40	1.00	0.00	6.00
R11EXRBOR	3316	0.56	1.21	0.00	6.00
R12EXRBOR	3580	0.62	1.28	0.00	6.00
R13EXRBOR	2999	0.61	1.25	0.00	6.00
R14EXRBOR	2738	0.58	1.22	0.00	6.00
S11EXRBOR	2125	0.54	1.19	0.00	6.00
S12EXRBOR	2235	0.55	1.18	0.00	6.00
S13EXRBOR	1815	0.56	1.18	0.00	6.00
S14EXRBOR	1639	0.55	1.16	0.00	6.00
R11EXRPAI	3332	1.40	1.80	0.00	6.00
R12EXRPAI	3599	1.44	1.80	0.00	6.00
R13EXRPAI	3001	1.51	1.85	0.00	6.00
R14EXRPAI	2759	1.51	1.86	0.00	6.00
S11EXRPAI	2133	1.31	1.74	0.00	6.00
S12EXRPAI	2245	1.42	1.75	0.00	6.00
S13EXRPAI	1816	1.37	1.74	0.00	6.00
S14EXRPAI	1648	1.42	1.77	0.00	6.00
R11EXRNEG2	3269	0.52	1.03	0.00	6.00
R12EXRNEG2	3516	0.59	1.11	0.00	6.00
R13EXRNEG2	2954	0.59	1.12	0.00	6.00
R14EXRNEG2	2702	0.55	1.08	0.00	6.00
S11EXRNEG2	2103	0.47	0.95	0.00	6.00
S12EXRNEG2	2204	0.54	1.04	0.00	6.00
S13EXRNEG2	1794	0.53	1.06	0.00	6.00
S14EXRNEG2	1619	0.52	1.01	0.00	6.00
R11EXRNEG3	3320	0.53	0.98	0.00	6.00
R12EXRNEG3	3584	0.60	1.06	0.00	6.00
R13EXRNEG3	3005	0.60	1.06	0.00	6.00

R14EXRNEG3	2746	0.56	1.01	0.00	6.00
S11EXRNEG3	2128	0.49	0.93	0.00	6.00
S12EXRNEG3	2240	0.55	0.99	0.00	6.00
S13EXRNEG3	1819	0.54	1.01	0.00	6.00
S14EXRNEG3	1644	0.54	0.94	0.00	6.00
R11EXRNEG3M	3650	0.28	0.85	0.00	3.00
R12EXRNEG3M	3889	0.25	0.80	0.00	3.00
R13EXRNEG3M	3255	0.25	0.80	0.00	3.00
R14EXRNEG3M	2995	0.26	0.82	0.00	3.00
S11EXRNEG3M	2300	0.23	0.78	0.00	3.00
S12EXRNEG3M	2382	0.20	0.71	0.00	3.00
S13EXRNEG3M	1930	0.19	0.70	0.00	3.00
S14EXRNEG3M	1761	0.22	0.75	0.00	3.00
R11HLTFRS	2448	0.76	1.46	0.00	6.00
R12HLTFRS	2561	0.86	1.55	0.00	6.00
R13HLTFRS	2204	0.87	1.54	0.00	6.00
R14HLTFRS	2010	0.81	1.48	0.00	6.00
S11HLTFRS	1491	0.74	1.43	0.00	6.00
S12HLTFRS	1583	0.83	1.51	0.00	6.00
S13HLTFRS	1293	0.82	1.51	0.00	6.00
S14HLTFRS	1154	0.82	1.45	0.00	6.00
R11HLTSAD	2442	0.52	1.21	0.00	6.00
R12HLTSAD	2541	0.66	1.40	0.00	6.00
R13HLTSAD	2188	0.64	1.33	0.00	6.00
R14HLTSAD	2010	0.56	1.27	0.00	6.00
S11HLTSAD	1484	0.49	1.17	0.00	6.00
S12HLTSAD	1567	0.62	1.35	0.00	6.00
S13HLTSAD	1287	0.59	1.29	0.00	6.00
S14HLTSAD	1154	0.53	1.18	0.00	6.00
R11HLTBOR	2448	0.59	1.27	0.00	6.00
R12HLTBOR	2562	0.71	1.41	0.00	6.00
R13HLTBOR	2201	0.68	1.34	0.00	6.00
R14HLTBOR	2020	0.65	1.35	0.00	6.00
S11HLTBOR	1494	0.58	1.27	0.00	6.00
S12HLTBOR	1584	0.69	1.39	0.00	6.00
S13HLTBOR	1291	0.63	1.28	0.00	6.00
S14HLTBOR	1159	0.64	1.31	0.00	6.00
R11HLTPAI	2459	1.56	1.96	0.00	6.00
R12HLTPAI	2573	1.66	2.02	0.00	6.00
R13HLTPAI	2211	1.69	2.01	0.00	6.00
R14HLTPAI	2023	1.72	2.02	0.00	6.00
S11HLTPAI	1498	1.47	1.91	0.00	6.00
S12HLTPAI	1584	1.61	1.98	0.00	6.00
S13HLTPAI	1299	1.59	1.96	0.00	6.00
S14HLTPAI	1162	1.73	2.00	0.00	6.00
R11HLTNEG2	2424	0.64	1.22	0.00	6.00
R12HLTNEG2	2524	0.75	1.35	0.00	6.00
R13HLTNEG2	2178	0.75	1.31	0.00	6.00
R14HLTNEG2	1999	0.68	1.26	0.00	6.00
S11HLTNEG2	1477	0.61	1.19	0.00	6.00



S12HLTNEG2	1561	0.73	1.33	0.00	6.00
S13HLTNEG2	1283	0.70	1.30	0.00	6.00
S14HLTNEG2	1147	0.67	1.20	0.00	6.00
R11HLTNEG3	2450	0.62	1.13	0.00	6.00
R12HLTNEG3	2567	0.74	1.25	0.00	6.00
R13HLTNEG3	2206	0.73	1.20	0.00	6.00
R14HLTNEG3	2018	0.67	1.15	0.00	6.00
S11HLTNEG3	1494	0.60	1.11	0.00	6.00
S12HLTNEG3	1584	0.72	1.23	0.00	6.00
S13HLTNEG3	1294	0.68	1.17	0.00	6.00
S14HLTNEG3	1159	0.66	1.10	0.00	5.67
R11HLTNEG3M	2868	0.44	1.04	0.00	3.00
R12HLTNEG3M	2955	0.41	1.01	0.00	3.00
R13HLTNEG3M	2524	0.39	0.99	0.00	3.00
R14HLTNEG3M	2308	0.38	0.99	0.00	3.00
S11HLTNEG3M	1710	0.39	0.99	0.00	3.00
S12HLTNEG3M	1772	0.33	0.92	0.00	3.00
S13HLTNEG3M	1451	0.33	0.93	0.00	3.00
S14HLTNEG3M	1291	0.32	0.91	0.00	3.00
R11TRVFRS	3806	0.66	1.30	0.00	6.00
R12TRVFRS	4039	0.77	1.42	0.00	6.00
R13TRVFRS	3423	0.81	1.43	0.00	6.00
R14TRVFRS	3048	0.79	1.42	0.00	6.00
S11TRVFRS	2528	0.63	1.25	0.00	6.00
S12TRVFRS	2631	0.75	1.39	0.00	6.00
S13TRVFRS	2116	0.80	1.42	0.00	6.00
S14TRVFRS	1875	0.79	1.39	0.00	6.00
R11TRVSAD	3800	0.41	1.07	0.00	6.00
R12TRVSAD	4024	0.48	1.19	0.00	6.00
R13TRVSAD	3423	0.46	1.14	0.00	6.00
R14TRVSAD	3029	0.45	1.15	0.00	6.00
S11TRVSAD	2521	0.38	1.03	0.00	6.00
S12TRVSAD	2623	0.44	1.12	0.00	6.00
S13TRVSAD	2121	0.41	1.05	0.00	6.00
S14TRVSAD	1865	0.42	1.07	0.00	6.00
R11TRVBOR	3814	0.53	1.19	0.00	6.00
R12TRVBOR	4044	0.61	1.28	0.00	6.00
R13TRVBOR	3436	0.62	1.27	0.00	6.00
R14TRVBOR	3043	0.61	1.24	0.00	6.00
S11TRVBOR	2535	0.51	1.18	0.00	6.00
S12TRVBOR	2638	0.60	1.25	0.00	6.00
S13TRVBOR	2127	0.60	1.22	0.00	6.00
S14TRVBOR	1870	0.63	1.21	0.00	6.00
R11TRVPAI	3816	1.02	1.65	0.00	6.00
R12TRVPAI	4047	1.11	1.70	0.00	6.00
R13TRVPAI	3437	1.15	1.76	0.00	6.00
R14TRVPAI	3044	1.12	1.73	0.00	6.00
S11TRVPAI	2536	0.99	1.63	0.00	6.00
S12TRVPAI	2643	1.05	1.66	0.00	6.00
S13TRVPAI	2126	1.01	1.64	0.00	6.00
S14TRVPAI	1869	1.07	1.68	0.00	6.00

R11TRVNEG2	3776	0.53	1.05	0.00	6.00
R12TRVNEG2	4003	0.63	1.18	0.00	6.00
R13TRVNEG2	3400	0.64	1.14	0.00	6.00
R14TRVNEG2	3020	0.62	1.14	0.00	6.00
S11TRVNEG2	2509	0.51	1.01	0.00	6.00
S12TRVNEG2	2608	0.59	1.13	0.00	6.00
S13TRVNEG2	2105	0.60	1.10	0.00	6.00
S14TRVNEG2	1863	0.60	1.09	0.00	6.00
R11TRVNEG3	3820	0.53	0.99	0.00	6.00
R12TRVNEG3	4052	0.62	1.10	0.00	6.00
R13TRVNEG3	3442	0.63	1.05	0.00	6.00
R14TRVNEG3	3050	0.62	1.05	0.00	6.00
S11TRVNEG3	2539	0.51	0.95	0.00	6.00
S12TRVNEG3	2643	0.60	1.04	0.00	6.00
S13TRVNEG3	2131	0.60	1.01	0.00	6.00
S14TRVNEG3	1873	0.61	1.00	0.00	6.00
R11TRVNEG3M	4147	0.25	0.80	0.00	3.00
R12TRVNEG3M	4356	0.22	0.76	0.00	3.00
R13TRVNEG3M	3672	0.20	0.72	0.00	3.00
R14TRVNEG3M	3271	0.21	0.75	0.00	3.00
S11TRVNEG3M	2697	0.19	0.70	0.00	3.00
S12TRVNEG3M	2797	0.18	0.69	0.00	3.00
S13TRVNEG3M	2238	0.16	0.64	0.00	3.00
S14TRVNEG3M	1976	0.16	0.66	0.00	3.00
R11FRNFERS	4110	0.48	1.12	0.00	6.00
R12FRNFERS	4317	0.56	1.22	0.00	6.00
R13FRNFERS	3555	0.57	1.21	0.00	6.00
R14FRNFERS	3170	0.55	1.20	0.00	6.00
S11FRNFERS	2508	0.47	1.11	0.00	6.00
S12FRNFERS	2599	0.52	1.17	0.00	6.00
S13FRNFERS	2015	0.54	1.17	0.00	6.00
S14FRNFERS	1796	0.54	1.15	0.00	6.00
R11FRNSAD	4094	0.42	1.11	0.00	6.00
R12FRNSAD	4296	0.45	1.13	0.00	6.00
R13FRNSAD	3544	0.47	1.18	0.00	6.00
R14FRNSAD	3152	0.46	1.16	0.00	6.00
S11FRNSAD	2508	0.40	1.09	0.00	6.00
S12FRNSAD	2584	0.42	1.10	0.00	6.00
S13FRNSAD	2010	0.44	1.14	0.00	6.00
S14FRNSAD	1775	0.42	1.06	0.00	6.00
R11FRNBOR	4121	0.38	1.03	0.00	6.00
R12FRNBOR	4316	0.38	1.00	0.00	6.00
R13FRNBOR	3560	0.44	1.13	0.00	6.00
R14FRNBOR	3181	0.43	1.10	0.00	6.00
S11FRNBOR	2519	0.35	0.98	0.00	6.00
S12FRNBOR	2600	0.35	0.96	0.00	6.00
S13FRNBOR	2020	0.41	1.07	0.00	6.00
S14FRNBOR	1796	0.38	0.98	0.00	6.00
R11FRNPAI	4120	1.03	1.68	0.00	6.00
R12FRNPAI	4326	1.10	1.71	0.00	6.00

R13FRNPAI	3574	1.11	1.74	0.00	6.00
R14FRNPAI	3187	1.17	1.78	0.00	6.00
S11FRNPAI	2519	0.94	1.61	0.00	6.00
S12FRNPAI	2606	1.03	1.65	0.00	6.00
S13FRNPAI	2024	0.99	1.62	0.00	6.00
S14FRNPAI	1801	1.07	1.70	0.00	6.00
R11FRNNEG2	4065	0.44	1.00	0.00	6.00
R12FRNNEG2	4276	0.50	1.05	0.00	6.00
R13FRNNEG2	3518	0.52	1.07	0.00	6.00
R14FRNNEG2	3131	0.51	1.06	0.00	6.00
S11FRNNEG2	2488	0.43	0.98	0.00	6.00
S12FRNNEG2	2577	0.47	1.02	0.00	6.00
S13FRNNEG2	2000	0.49	1.05	0.00	6.00
S14FRNNEG2	1770	0.48	0.99	0.00	6.00
R11FRNNEG3	4127	0.42	0.92	0.00	6.00
R12FRNNEG3	4327	0.46	0.94	0.00	6.00
R13FRNNEG3	3572	0.49	0.99	0.00	6.00
R14FRNNEG3	3185	0.48	0.97	0.00	6.00
S11FRNNEG3	2523	0.41	0.91	0.00	6.00
S12FRNNEG3	2604	0.43	0.91	0.00	6.00
S13FRNNEG3	2023	0.46	0.95	0.00	6.00
S14FRNNEG3	1798	0.45	0.89	0.00	6.00
R11FRNNEG3M	4481	0.25	0.80	0.00	3.00
R12FRNNEG3M	4663	0.23	0.77	0.00	3.00
R13FRNNEG3M	3819	0.21	0.73	0.00	3.00
R14FRNNEG3M	3398	0.20	0.73	0.00	3.00
S11FRNNEG3M	2691	0.20	0.72	0.00	3.00
S12FRNNEG3M	2758	0.18	0.69	0.00	3.00
S13FRNNEG3M	2131	0.16	0.66	0.00	3.00
S14FRNNEG3M	1902	0.18	0.68	0.00	3.00
R11SLFFRS	3159	0.76	1.43	0.00	6.00
R12SLFFRS	3312	0.83	1.49	0.00	6.00
R13SLFFRS	2951	0.81	1.47	0.00	6.00
R14SLFFRS	2610	0.74	1.41	0.00	6.00
S11SLFFRS	1453	0.69	1.37	0.00	6.00
S12SLFFRS	1509	0.78	1.42	0.00	6.00
S13SLFFRS	1292	0.78	1.45	0.00	6.00
S14SLFFRS	1123	0.69	1.34	0.00	6.00
R11SLFSAD	3165	0.72	1.43	0.00	6.00
R12SLFSAD	3300	0.81	1.54	0.00	6.00
R13SLFSAD	2954	0.78	1.50	0.00	6.00
R14SLFSAD	2618	0.72	1.43	0.00	6.00
S11SLFSAD	1455	0.62	1.33	0.00	6.00
S12SLFSAD	1502	0.71	1.42	0.00	6.00
S13SLFSAD	1291	0.71	1.43	0.00	6.00
S14SLFSAD	1122	0.60	1.29	0.00	6.00
R11SLFBOR	3172	0.87	1.54	0.00	6.00
R12SLFBOR	3331	0.95	1.61	0.00	6.00
R13SLFBOR	2964	0.94	1.60	0.00	6.00
R14SLFBOR	2630	0.84	1.49	0.00	6.00

S11SLFBOR	1459	0.79	1.46	0.00	6.00
S12SLFBOR	1515	0.86	1.52	0.00	6.00
S13SLFBOR	1294	0.86	1.52	0.00	6.00
S14SLFBOR	1128	0.75	1.39	0.00	6.00
R11SLFP AI	3170	1.33	1.84	0.00	6.00
R12SLFP AI	3323	1.40	1.88	0.00	6.00
R13SLFP AI	2966	1.47	1.92	0.00	6.00
R14SLFP AI	2632	1.43	1.89	0.00	6.00
S11SLFP AI	1461	1.17	1.74	0.00	6.00
S12SLFP AI	1512	1.27	1.79	0.00	6.00
S13SLFP AI	1295	1.35	1.84	0.00	6.00
S14SLFP AI	1127	1.30	1.81	0.00	6.00
R11SLFN EG2	3136	0.73	1.33	0.00	6.00
R12SLFN EG2	3278	0.82	1.40	0.00	6.00
R13SLFN EG2	2928	0.79	1.37	0.00	6.00
R14SLFN EG2	2598	0.73	1.30	0.00	6.00
S11SLFN EG2	1447	0.65	1.25	0.00	6.00
S12SLFN EG2	1494	0.74	1.32	0.00	6.00
S13SLFN EG2	1284	0.74	1.32	0.00	6.00
S14SLFN EG2	1118	0.64	1.21	0.00	6.00
R11SLFN EG3	3175	0.78	1.27	0.00	6.00
R12SLFN EG3	3328	0.86	1.35	0.00	6.00
R13SLFN EG3	2969	0.84	1.31	0.00	6.00
R14SLFN EG3	2627	0.77	1.23	0.00	6.00
S11SLFN EG3	1460	0.70	1.20	0.00	6.00
S12SLFN EG3	1515	0.78	1.27	0.00	6.00
S13SLFN EG3	1298	0.78	1.27	0.00	6.00
S14SLFN EG3	1126	0.68	1.15	0.00	6.00
R11SLFN EG3M	3517	0.30	0.88	0.00	3.00
R12SLFN EG3M	3691	0.31	0.89	0.00	3.00
R13SLFN EG3M	3249	0.27	0.83	0.00	3.00
R14SLFN EG3M	2897	0.29	0.87	0.00	3.00
S11SLFN EG3M	1603	0.28	0.85	0.00	3.00
S12SLFN EG3M	1658	0.27	0.84	0.00	3.00
S13SLFN EG3M	1419	0.27	0.84	0.00	3.00
S14SLFN EG3M	1246	0.29	0.88	0.00	3.00

### How Constructed:

The following variables pertain to the respondent's activity-related affective experience yesterday. The respondent is given the following prompt, "Please think about the things you did yesterday. How did you spend your time and how did you feel?"

RwWTVFRS, RwWTVSAD, RwWTVBOR, and RwWTVPAI are variables indicating how the respondent felt while watching TV yesterday. RwWTVFRS indicates how frustrated the respondent felt while watching TV yesterday. RwWTVSAD indicates how sad the respondent felt while watching TV yesterday. RwWTVBOR indicates how bored the respondent felt while watching TV yesterday. RwWTVPAI indicates how much pain the respondent felt while watching TV yesterday. RwWTVFRS, RwWTVSAD, RwWTVBOR, and RwWTVPAI have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not watch TV yesterday, RwWTVFRS, RwWTVSAD, RwWTVBOR, and RwWTVPAI are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwWTVNEG2 is a 2-item index of TV-watching related negative affect. RwWTVNEG2 is the mean of negative affect items RwWTVFRS and RwWTVSAD. RwWTVNEG2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwWTVNEG2 is assigned special missing value .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. In the case that the respondent did not watch TV yesterday, RwWTVNEG2 is assigned special missing code .x. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwWTVNEG3 is a 3-item index of TV-watching related negative affect. RwWTVNEG3 is the mean of negative affect items RwWTVFRS, RwWTVSAD, and RwWTVBOR. RwWTVNEG3M is the count of the number of missing components for this summary. RwWTVNEG3 is set to .m if more than one item has a missing value, that is RwWTVNEG3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwWTVNEG2 is assigned special missing value .c. In the case that the respondent did not watch TV yesterday, RwWTVNEG3 and RwWTVNEG3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwWTVFRS, SwWTVSAD, SwWTVBOR, and SwWTVPAI are variables indicating how the respondent's spouse felt when they were watching TV yesterday, and their values are taken directly from the corresponding respondent variables. SwWTVNEG2 is the respondent's spouse's score of the two-item watching-TV related negative affect summary, and its value is taken directly from the corresponding respondent variable. SwWTVNEG3 and SwWTVNEG3M are the respondent's spouse's scores of the three-item watching-TV related negative affect summary, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWKVFRS, RwWKVSAD, RwWKVBOR, and RwWKVPAI are variables indicating how the respondent felt while working or volunteering. RwWKVFRS indicates how frustrated the respondent felt while working or volunteering yesterday. RwWKVSAD indicates how sad the respondent felt while working or volunteering yesterday. RwWKVBOR indicates how bored the respondent felt while working or volunteering yesterday. RwWKVPAI indicates how much pain the respondent felt while working or volunteering yesterday. RwWKVFRS, RwWKVSAD, RwWKVBOR, and RwWKVPAI have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not work or volunteer yesterday, RwWKVFRS, RwWKVSAD, RwWKVBOR, and RwWKVPAI are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwWKVNEG2 is a 2-item index of working/volunteering related negative affect. RwWKVNEG2 is the mean of negative affect items RwWKVFRS and RwWKVSAD. RwWKVNEG2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwWKVNEG2 is assigned special missing value .c. In the case that the respondent did not work or volunteer yesterday, RwWKVNEG2 is assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwWKVNEG3 is a 3-item index of working/volunteering related negative affect. RwWKVNEG3 is the mean of negative affect items RwWKVFRS, RwWKVSAD, and RwWKVBOR. RwWKVNEG3M is the count of the number of missing components for this summary. RwWKVNEG3 is set to .m if more than one item has a missing value, that is RwWKVNEG3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwWKVNEG2 and RwWKVNEG2M are assigned special missing value .c. In the case that the respondent did not work or volunteer yesterday, RwWKVNEG3 and RwWKVNEG3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwWKFVFRS, SwWKVVSAD, SwWKVVBOR, and SwWKVPAI are variables indicating how the respondent's spouse felt when they were working or volunteering yesterday, and their values are taken directly from the corresponding respondent variables. SwWKVNEG2 is the respondent's spouse's score of the two-item working/volunteering related negative affect summary, and its value is taken directly from the corresponding respondent variable. SwWKVNEG3 and SwWKVNEG3M are the respondent's spouse's scores of the three-item working/volunteering related negative affect summary, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwEXRFRS, RwEXRSAD, RwEXRBOR, and RwEXRPAI are variables indicating how the respondent felt while walking or exercising yesterday. RwEXRFRS indicates how frustrated the respondent felt while walking or exercising yesterday. RwEXRSAD indicates how sad the respondent felt while walking or exercising yesterday. RwEXRBOR indicates how bored the respondent felt while walking or exercising yesterday. RwEXRPAI indicates how much pain the respondent felt while walking or exercising yesterday. RwEXRFRS, RwEXRSAD, RwEXRBOR, and RwEXRPAI have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not walk or exercise yesterday, RwEXRFRS, RwEXRSAD, RwEXRBOR, and RwEXRPAI are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwEXRNEG2 is a 2-item index of walking/exercising related negative affect. RwEXRNEG2 is the mean of negative affect items RwEXRFRS and RwEXRSAD. RwEXRNEG2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwEXRNEG2 is assigned special missing value .c. In the case that the respondent did not walk or exercise yesterday, RwEXRNEG2 is assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwEXRNEG3 is a 3-item index of walking/exercising related negative affect. RwEXRNEG3 is the mean of negative affect items RwEXRFRS, RwEXRSAD, and RwEXRBOR. RwEXRNEG3M is the count of the number of missing components for this summary. RwEXRNEG3 is set to .m if more than one item has a missing value, that is RwEXRNEG3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwEXRNEG2 and RwEXRNEG2M are assigned special missing value .c. In the case that the respondent did not walk or exercise yesterday, RwEXRNEG3 and RwEXRNEG3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwEXRFRS, SwEXRSAD, SwEXRBOR, and SwEXRPAI are variables indicating how the respondent's spouse felt when they were walking or exercising yesterday, and their values are taken directly from the corresponding respondent variables. SwEXRNEG2 is the respondent's spouse's score of the two-item walking/exercising related negative affect summary, and its value is taken directly from the corresponding respondent variable. SwEXRNEG3 and SwEXRNEG3M are the respondent's spouse's scores of the three-item walking/exercising related negative affect summary, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHLTFRS, RwHLTSAD, RwHLTBOR, and RwHLTPAI are variables indicating how the respondent felt while doing health-related activities yesterday. RwHLTFRS indicates how frustrated the respondent felt while doing health-related activities yesterday. RwHLTSAD indicates how sad the respondent felt while doing health-related activities yesterday. RwHLTBOR indicates how bored the respondent felt while doing health-related activities yesterday. RwHLTPAI indicates how much pain the respondent felt while doing health-related activities yesterday. RwHLTFRS, RwHLTSAD, RwHLTBOR, and RwHLTPAI have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was

extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not do health-related activities yesterday, RwHLTFRS, RwHLTSAD, RwHLTBOR, and RwHLTPAI are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwHLTNEG2 is a 2-item index of healthy activity related negative affect. RwHLTNEG2 is the mean of negative affect items RwHLTFRS and RwHLTSAD. RwHLTNEG2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwHLTNEG2 and RwHLTNEG2M are assigned special missing value .c. In the case that the respondent did not do health-related activities yesterday, RwHLTNEG2 and RwHLTNEG2M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwHLTNEG3 is a 3-item index of healthy activity related negative affect. RwHLTNEG3 is the mean of negative affect items RwHLTFRS, RwHLTSAD, and RwHLTBOR. RwHLTNEG3M is the count of the number of missing components for this summary. RwHLTNEG3 is set to .m if more than one item has a missing value, that is RwHLTNEG3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwHLTNEG2 and RwHLTNEG2M are assigned special missing value .c. In the case that the respondent did not do health-related activities yesterday, RwHLTNEG3 and RwHLTNEG3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwHLTFRS, SwHLTSAD, SwHLTBOR, and SwHLTPAI are variables indicating how the respondent's spouse felt when they were doing health-related activities yesterday, and their values are taken directly from the corresponding respondent variables. SwHLTNEG2 is the respondent's spouse's score of the two-item healthy activity related negative affect summary, and its value is taken directly from the corresponding respondent variable. SwHLTNEG3 and SwHLTNEG3M are the respondent's spouse's scores of the three-item healthy activity related negative affect summary, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwTRVFRS, RwTRVSAD, RwTRVBOR, and RwTRVPAI are variables indicating how the respondent felt while traveling or commuting yesterday. RwTRVFRS indicates how frustrated the respondent felt while traveling or commuting yesterday. RwTRVSAD indicates how sad the respondent felt while traveling or commuting yesterday. RwTRVBOR indicates how bored the respondent felt while traveling or commuting yesterday. RwTRVPAI indicates how much pain the respondent felt while traveling or commuting yesterday. RwTRVFRS, RwTRVSAD, RwTRVBOR, and RwTRVPAI have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not travel or commute yesterday, RwTRVFRS, RwTRVSAD, RwTRVBOR, and RwTRVPAI are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwTRVNEG2 is a 2-item index of traveling/commuting related negative affect. RwTRVNEG2 is the mean of negative affect items RwTRVFRS and RwTRVSAD. RwTRVNEG2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwTRVNEG2 and RwTRVNEG2M are assigned special missing value .c. In the case that the respondent did not travel or commute yesterday, RwTRVNEG2 and RwTRVNEG2M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwTRVNEG3 is a 3-item index of traveling/commuting related negative affect. RwTRVNEG3 is the mean of negative affect items RwTRVFRS, RwTRVSAD, and RwTRVBOR. RwTRVNEG3M is the count of the number of missing components for this summary. RwTRVNEG3 is set to .m if more than one item has a missing value, that is

RwTRVNEG3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwTRVNEG2 and RwTRVNEG2M are assigned special missing value .c. In the case that the respondent did not travel or commute yesterday, RwTRVNEG3 and RwTRVNEG3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwTRVFERS, SwTRVSAD, SwTRVBOR, and SwTRVPAI are variables indicating how the respondent's spouse felt when they were traveling or commuting yesterday, and their values are taken directly from the corresponding respondent variables. SwTRVNEG2 is the respondent's spouse's score of the two-item traveling/commuting related negative affect summary, and its value is taken directly from the corresponding respondent variable. SwTRVNEG3 and SwTRVNEG3M are the respondent's spouse's scores of the three-item traveling/commuting related negative affect summary, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFRNFERS, RwFRNSAD, RwFRNBOR, and RwFRNPAI are variables indicating how the respondent felt while spending time with friends yesterday. RwFRNFERS indicates how frustrated the respondent felt while spending time with friends yesterday. RwFRNSAD indicates how sad the respondent felt while spending time with friends yesterday. RwFRNBOR indicates how bored the respondent felt while spending time with friends yesterday. RwFRNPAI indicates how much pain the respondent felt while spending time with friends yesterday. RwFRNFERS, RwFRNSAD, RwFRNBOR, and RwFRNPAI have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not spend time with friends yesterday, RwFRNFERS, RwFRNSAD, RwFRNBOR, and RwFRNPAI are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwFRNNEG2 is a 2-item index of spending time with friends related negative affect. RwFRNNEG2 is the mean of negative affect items RwFRNFERS and RwFRNSAD. RwFRNNEG2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwFRNNEG2 is assigned special missing value .c. In the case that the respondent did not spend time with friends yesterday, RwFRNNEG2 is assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwFRNNEG3 is a 3-item index of spending time with friends related negative affect. RwFRNNEG3 is the mean of negative affect items RwFRNFERS, RwFRNSAD, and RwFRNBOR. RwFRNNEG3M is the count of the number of missing components for this summary. RwFRNNEG3 is set to .m if more than one item has a missing value, that is RwFRNNEG3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwFRNNEG3 and RwFRNNEG3M are assigned special missing value .c. In the case that the respondent did not spend time with friends yesterday, RwFRNNEG3 and RwFRNNEG3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwFRNFERS, SwFRNSAD, SwFRNBOR, and SwFRNPAI are variables indicating how the respondent's spouse felt when they were spending time with friends yesterday, and their values are taken directly from the corresponding respondent variables. SwFRNNEG2 is the respondent's spouse's score of the two-item spending time with friends related negative affect summary, and its value is taken directly from the corresponding respondent variable. SwFRNNEG3 and SwFRNNEG3M are the respondent's spouse's scores of the three-item spending time with friends related negative affect summary, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.



RwSLFFRS, RwSLFSAD, RwSLFBOR, and RwSLFPAI are variables indicating how the respondent felt while spending time home alone yesterday. RwSLFFRS indicates how frustrated the respondent felt while spending time home alone yesterday. RwSLFSAD indicates how sad the respondent felt while spending time home alone yesterday. RwSLFBOR indicates how bored the respondent felt while spending time home alone yesterday. RwSLFPAI indicates how much pain the respondent felt while spending time home alone yesterday. RwSLFFRS, RwSLFSAD, RwSLFBOR, and RwSLFPAI have scores ranging from 0 to 6, where 0 indicates that the respondent did not experience the feeling at all and 6 indicates the feeling was extremely strong. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then these variables are assigned special missing value .c. In the case that the respondent did not spend time home alone yesterday, RwSLFFRS, RwSLFSAD, RwSLFBOR, and RwSLFPAI are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwSLFNEG2 is a 2-item index of spending time home alone related negative affect. RwSLFNEG2 is the mean of negative affect items RwSLFFRS and RwSLFSAD. RwSLFNEG2 is set to .m if either of the two items has a missing value. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwSLFNEG2 is assigned special missing value .c. In the case that the respondent did not spend time home alone yesterday, RwSLFNEG2 is assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

RwSLFNEG3 is a 3-item index of spending time home alone related negative affect. RwSLFNEG3 is the mean of negative affect items RwSLFFRS, RwSLFSAD, and RwSLFBOR. RwSLFNEG3M is the count of the number of missing components for this summary. RwSLFNEG3 is set to .m if more than one item has a missing value, that is RwSLFNEG3M ranges from 2 to 3. These questions were added to the HRS psychosocial leave-behind survey in Waves 11 to 14. If the respondent did not return the self-completion questionnaire, then RwSLFNEG3 and RwSLFNEG3M are assigned special missing value .c. In the case that the respondent did not spend time home alone yesterday, RwSLFNEG3 and RwSLFNEG3M are assigned special missing code .x. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. These variables are set to plain missing (.) for respondents who did not respond to the current wave.

SwSLFFRS, SwSLFSAD, SwSLFBOR, and SwSLFPAI are variables indicating how the respondent's spouse felt when they were spending time home alone yesterday, and their values are taken directly from the corresponding respondent variables. SwSLFNEG2 is the respondent's spouse's score of the two-item spending time home alone related negative affect summary, and its value is taken directly from the corresponding respondent variable. SwSLFNEG3 and SwSLFNEG3M are the respondent's spouse's scores of the three-item spending time home alone related negative affect summary, and their values are taken directly from the corresponding respondent variables. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in HRS

Questions related to activity-related negative affect items were added to HRS leave-behind survey in Wave 11 through Wave 14. The questions related to activity-related negative affect items were not asked in Wave 15. Note that variables related to how much pain the respondent experienced while doing an activity are not incorporated into either the two-item or three-item negative affect summary scores.

## HRS Variables Used:

Wave 11:

NLB054	q54. time spent watching tv yesterday
NLB056C	q56_c. watching tv - frustrated
NLB056D	q56_d. watching tv - sad
NLB056F	q56_f. watching tv - bored
NLB056G	q56_g. watching tv - pain
NLB057	q57. volunteer yesterday
NLB059C	q59_c.volunteering - frustrated
NLB059D	q59_d. volunteering - sad

NLB059F q59\_f. volunteering - bored  
 NLB059G q59\_g. volunteering - pain  
 NLB061 q61. walked or exercised yesterday  
 NLB063C q63\_c. walking - frustrated  
 NLB063D q63\_d. walking - sad  
 NLB063F q63\_f. walking - bored  
 NLB063G q63\_g. walking - pain  
 NLB064 q64. health-related activities yesterday  
 NLB066C q66\_c. activities - frustrated  
 NLB066D q66\_d. activities - sad  
 NLB066F q59\_f. activities - bored  
 NLB066G q66\_g. activities - pain  
 NLB067 q67. travel or commute yesterday  
 NLB069C q69\_c. travel - frustrated  
 NLB069D q69\_d. travel - sad  
 NLB069F q69\_f. travel - bored  
 NLB069G q69\_g. travel - pain  
 NLB070 q70. socializing with friends yesterday  
 NLB072C q72\_c. socializing - frustrated  
 NLB072D q72\_d. socializing - sad  
 NLB072F q72\_f. socializing - bored  
 NLB072G q72\_g. socializing - pain  
 NLB073 q73. being at home yesterday  
 NLB075C q75\_c. at home - frustrated  
 NLB075D q75\_d. at home - sad  
 NLB075F q75\_f. at home - bored  
 NLB075G q75\_g. at home - pain

## Wave 12:

OLB047 q47. time spent watching tv yesterday  
 OLB049C q49c. watching tv - frustrated  
 OLB049D q49d. watching tv - sad  
 OLB049F q49f. watching tv - bored  
 OLB049G q49g. watching tv - pain  
 OLB050 q50. volunteer yesterday  
 OLB052C q52c. volunteering - frustrated  
 OLB052D q52d. volunteering - sad  
 OLB052F q52f. volunteering - bored  
 OLB052G q52g. volunteering - pain  
 OLB054 q54. walked or exercised yesterday  
 OLB056C q56c. walking - frustrated  
 OLB056D q56d. walking - sad  
 OLB056F q56f. walking - bored  
 OLB056G q56g. walking - pain  
 OLB057 q57. health-related activities yesterday  
 OLB059C q59c. activities - frustrated  
 OLB059D q59d. activities - sad  
 OLB059F q59f. activities - bored  
 OLB059G q59g. activities - pain  
 OLB060 q60. travel or commute yesterday  
 OLB062C q62c. travel - frustrated  
 OLB062D q62d. travel - sad  
 OLB062F q62f. travel - bored  
 OLB062G q62g. travel - pain  
 OLB063 q63. socializing with friends yesterday  
 OLB065C q65c. socializing - frustrated  
 OLB065D q65d. socializing - sad  
 OLB065F q65f. socializing - bored  
 OLB065G q65g. socializing - pain  
 OLB066 q66. being at home yesterday  
 OLB068C q68c. at home - frustrated  
 OLB068D q68d. at home - sad  
 OLB068F q68f. at home - bored  
 OLB068G q68g. at home - pain

## Wave 13:

PLB047 q47. time spent watching tv yesterday  
PLB049C q49c. watching tv - frustrated  
PLB049D q49d. watching tv - sad  
PLB049F q49f. watching tv - bored  
PLB049G q49g. watching tv - pain  
PLB050 q50. volunteer yesterday  
PLB052C q52c. volunteering - frustrated  
PLB052D q52d. volunteering - sad  
PLB052F q52f. volunteering - bored  
PLB052G q52g. volunteering - pain  
PLB054 q54. walked or exercised yesterday  
PLB056C q56c. walking - frustrated  
PLB056D q56d. walking - sad  
PLB056F q56f. walking - bored  
PLB056G q56g. walking - pain  
PLB057 q57. health-related activities yesterday  
PLB059C q59c. activities - frustrated  
PLB059D q59d. activities - sad  
PLB059F q59f. activities - bored  
PLB059G q59g. activities - pain  
PLB060 q60. travel or commute yesterday  
PLB062C q62c. travel - frustrated  
PLB062D q62d. travel - sad  
PLB062F q62f. travel - bored  
PLB062G q62g. travel - pain  
PLB063 q63. socializing with friends yesterday  
PLB065C q65c. socializing - frustrated  
PLB065D q65d. socializing - sad  
PLB065F q65f. socializing - bored  
PLB065G q65g. socializing - pain  
PLB066 q66. being at home yesterday  
PLB068C q68c. at home - frustrated  
PLB068D q68d. at home - sad  
PLB068F q68f. at home - bored  
PLB068G q68g. at home - pain

## Wave 14:

QLB047 q47. watching tv  
QLB049C q49c. frustrated  
QLB049D q49d. sad  
QLB049F q49f. bored  
QLB049G q49g. pain  
QLB050 q50. volunteer  
QLB052C q52c. frustrated  
QLB052D q52d. sad  
QLB052F q52f. bored  
QLB052G q52g. pain  
QLB054 q54. walked or exercised  
QLB056C q56c. frustrated  
QLB056D q56d. sad  
QLB056F q56f. bored  
QLB056G q56g. pain  
QLB057 q57. health-related activities  
QLB059C q59c. frustrated  
QLB059D q59d. sad  
QLB059F q59f. bored  
QLB059G q59g. pain  
QLB060 q60. travel or commute  
QLB062C q62c. frustrated  
QLB062D q62d. sad  
QLB062F q62f. bored  
QLB062G q62g. pain  
QLB063 q63. socializing with friends

QLB065C	q65c. frustrated
QLB065D	q65d. sad
QLB065F	q65f. bored
QLB065G	q65g. pain
QLB066	q66. being at home
QLB068C	q68c. frustrated
QLB068D	q68d. sad
QLB068F	q68f. bored
QLB068G	q68g. pain

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