



Harmonized HRS End of Life Documentation

VERSION A (1992-2014), MARCH 2019

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Preface

The Health and Retirement Study (HRS) is a nationally representative longitudinal survey of more than 37,000 individuals over age 50 in the United States. In order to make the data more accessible to researchers, we, the USC Gateway to Global Aging Data team, created the Harmonized HRS End of Life, a user-friendly version of a subset of the HRS Exit Interview. The Harmonized HRS End of Life initiative is part of a larger set of projects. With funding and support from the National Institute on Aging, we have also created Harmonized HRS (United States), Harmonized ELSA (England), Harmonized SHARE (Europe + Israel), Harmonized KLoSA (South Korea), Harmonized JSTAR (Japan), Harmonized CHARLS (China), Harmonized LASI (India), Harmonized MHAS (Mexico), Harmonized TILDA (Ireland), and Harmonized CRELES (Costa Rica) 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 the RAND HRS conventions of variable naming and data structure. The RAND HRS is another user-friendly version of a subset of the HRS that the RAND Center for the Study of Aging created to increase usability. The Harmonized HRS End of Life includes variables with a similar naming convention that mimics the RAND HRS and other Harmonized variables. This document describes these data.

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, David Weir, Arie Kapteyn, Eileen Crimmins, Erik Meijer, and the HRS team.

Requested Acknowledgment

We ask all users of the Harmonized HRS End of Life to please inform our team of any written analysis using data from the Harmonized HRS End of Life or information from the Harmonized HRS End of Life Codebook by sending an email to 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 End of Life dataset and Codebook, Version A as of March 2019 developed by the Gateway to Global Aging Data. The development of the Harmonized HRS End of Life was funded by the National Institute on Aging (R01 AG030153, RC2 AG036619, 1R03AG043052). For more information, please refer to www.g2aging.org."

HRS Version and Acknowledgment

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

- RAND HRS Exit/Post-Exit Interview and Finder Files 2014 v.1
- RAND HRS Longitudinal File 2014 v.3
- Harmonized HRS v.B
- Cross-Wave: Tracker 2016 File v.1.0
- 1995 AHEAD Exit (Final) v.2.0
- 1996 HRS Exit (Final) v.1.0
- 1998 HRS Exit (Final) v.1.0
- 2000 HRS Exit (Final) v.1.0

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 and the RAND HRS Exit/Post-Exit Interview 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.

Contents

PREFACE	1
1. INTRODUCTION AND OVERVIEW	4
1.1 Gateway to Global Aging Data	5
1.2 Unit of Observation	6
1.3 Data File Structure	7
1.4 Variable Naming Convention	7
1.5 Missing Values, and Nonresponse	7
1.6 Weighting and Accounting for Survey Design	8
1.7 Specifics to the Exit Interview	8
1.8 Merging the End of Life Data with Core Wave Data	9
2. IMPUTATIONS	11
2.1. Background	11
2.2. Imputation Process	12
3. STRUCTURE OF CODEBOOK	14
4. DISTRIBUTION AND TECHNICAL NOTES	17
5. DATA CODEBOOK	18
SECTION A: DEMOGRAPHICS	19
SECTION B: HEALTH	55
SECTION C: HEALTH CARE UTILIZATION AND INSURANCE	74
SECTION E: FINANCIAL AND HOUSING WEALTH	123
SECTION H: EMPLOYMENT HISTORY	143
SECTION L: ASSISTANCE AND CAREGIVING	153
SECTION O: END OF LIFE PLANNING	232

1. Introduction and Overview

This report documents the Harmonized HRS End of Life data files, a streamlined collection of variables derived from the Health and Retirement Survey (HRS) Exit Interviews. 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 of 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 six 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
AHEAD	Before 1924	1993	1995, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014
Child of Depression (CODA)	1924-1930	1998	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014
War Baby (WB)	1942-1947	1998	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014
Early Baby Boomer (EBB)	1948-1953	2004	2006, 2008, 2010, 2012, 2014
Mid Baby Boomer (MBB)	1954-1959	2010	2012, 2014

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 August 1994. The second wave of the HRS was conducted between May 1994 and March 1995. 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 January 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 January 2000 and December 2000. 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 February 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 March 2010 and November 2011. The tenth wave 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 wave included individuals from the six previously mentioned cohorts.

The data include any individual interviewed at least once in the core interview, and for whom a proxy completed an exit interview. 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, and then subsequently passed away.

The HRS data contain several auxiliary files. RAND releases 14 RAND HRS Exit/Post-Exit Interview Files, which contain most of the original HRS exit variables with post exit and post post exit variables merged to the Respondent level, one for each survey year. These data files do not include core 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, and Master ID files. The Gateway to Global Aging Data releases the Harmonized HRS data file which is built using variables from the RAND Enhanced Fat Files, the RAND HRS data file, the RAND Family data file, as well as select HRS data files. The Harmonized HRS End of Life data file is built using variables from the RAND HRS Exit/Post-Exit Interview files, the RAND HRS Longitudinal data file, the Harmonized HRS data file, as well as select HRS Exit data files. 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 Codebook](#) (2018), and documentation of the RAND HRS Family methodology can be found in [RAND HRS Family Data 2012 Documentation: Includes 1992-2012 \(Final Release\)](#) (2017).

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 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), Health and Aging in Africa: A Longitudinal Study of an INDEPTH Community in South Africa (HAALSI), the Brazilian Longitudinal Study of Ageing (ELSI), Healthy Ageing in Scotland (HAGIS), the Northern Ireland Cohort Longitudinal Study of Ageing (NICOLA), 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 (2010).

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 End of Life data from the HRS website or downloading the Stata file used to create the Harmonized HRS End of Life data using the Gateway see “Chapter 4. Distribution and Technical Notes.”

1.2 Unit of Observation

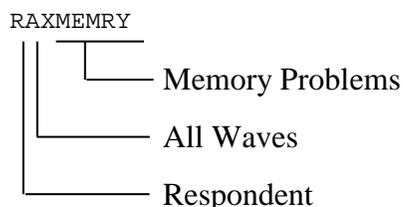
The Harmonized HRS End of Life employs a single unit of observation, the individual. We do not distinguish between respondents and spouses, as is done in the RAND HRS or Harmonized HRS. Rather, all variables are respondent-level and can be merged with HRS study data, the RAND HRS Longitudinal File, or the Harmonized HRS using the id variable hhidpn. We do not include non-respondents to the core interview or non-respondents to the exit interview in our files.

1.3 Data File Structure

The Harmonized HRS End of Life data are contained in a single file, which includes the first 11 waves of the HRS Exit Interview, from 1994 to 2014, in addition to the 1995 AHEAD Exit Interview. 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`. This file may be merged with other HRS data using `hhidpn`.

1.4 Variable Naming Convention

Variable names in the Harmonized HRS End of Life data follow a consistent pattern. The first character indicates that the variable refers to the reference person (“R”). The second character indicates that it pertains to “all” (“A”) waves, i.e., the variable is not specific to any single wave because the exit interview is only given once for each deceased respondent. The remaining characters describe the concept that the variable captures. For example:



Variable `RAXMEMORY` captures whether the respondent had memory problems one month before death. Because the respondent is deceased, the HRS Exit Interview is given exclusively to a proxy respondent. The relationship of the deceased respondent to the proxy is recorded in `RAXPRXY`, and `RAXSMPRXY` indicates whether this is the same proxy who completed the previous core wave for the respondent.

Variable labels also follow a consistent pattern. The first characters denote the name of the variable, followed by a colon. Then the remainder of the label describes the concept that the variable captures. For example, the variable label of `RAXMEMORY` is:

```
RAXMEMORY: R HAD MEMORY PROBLEMS ONE MONTH BEFORE DEATH
```

It may seem duplicative to include the name of the variable 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. SAS and Stata 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
.a	Age ineligible
.d	Don't know
.r	Refused
.n	Not applicable
.x	Does not apply
.q	Data not available because question was not asked
.u	Reference person is not married
.s	Information not available due to skip patterns
.m	Other missing
.i	Invalid response

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 End of Life does not include weighting variables to account for non-response because none have been created and released by the HRS.

1.7 Specifics to the Exit Interview

HRS Exit Interviews are conducted with a “proxy informant” for panel members who have died. The content of the exit interviews is similar to the core interview, but exit interviews are conducted in order to obtain updated information on demographics, physical health, cognition, family structure and transfers, functional limitations, employment, health services and insurance, and wills and life insurance in the period between the last core interview and death of the respondent. To the extent possible, proxy informants who are knowledgeable about the health, family, and financial situation of the decedent are selected. About 95% of proxy responders are related to the respondent; 82% are a spouse or child of the respondent.

Exit interviews are attempted with a proxy in the first survey period following the death of the respondent and the majority of interviews occur within two years of death. Exit interviews began in the 1994/1995 survey period (HRS Wave 2 and AHEAD Wave 2) and have been conducted in every survey period since. As of the 2016 survey year, exit interviews have been

completed for 12,952 HRS respondents, which represent nearly 95% of all decedents, although data from the 2016 Exit interviews has not yet been incorporated into this file.

Beginning in Wave 4 in 1998, Post-Exit interviews are obtained with proxy responders if there remained unresolved financial situations from a prior Exit wave, such as those related to final adjudication of will, trusts, and estates. First Post-Post Exit interviews are obtained beginning in Wave 6 in 2002 if there continue to be unresolved financial situations from a prior Exit wave. A second Post-Post Exit interview was only conducted in Wave 7. Post-Exit interviews are conducted on behalf of decedents whose first Exit interview occurred in AHEAD Wave 2 or in HRS Waves 3 and onward; no Post-Exit interviews are conducted on behalf of decedents whose first Exit interview occurred in HRS Wave 2. Additionally, only financial and estate questions are asked in the Post-Exit interviews. Although most questions in the Post-Exit interviews are asked beginning in Wave 4, questions on death expenses are added in Wave 5, and questions on the date of death are added in Wave 6.

Many questions in the Exit interviews are asked for the time period since the previous core interview or in the two years before death. This question text is designed to account for the approximate two year time gap between interview waves, as well as the possibility that the previous interview occurred sometime before then. Unfortunately, it is not possible to distinguish the exact question wording employed during the Exit interview, and so we have described events as occurring since the previous core interview or in the two years before death, and not limited it to a single time frame.

1.8 Merging the End of Life Data with Core Wave Data

The Harmonized End of Life dataset can be easily merged with HRS study data, the RAND HRS, or the Harmonized HRS, using the unique HRS id variable, `HHIDPN`. Here we provide an example of Stata code to correctly merge the Harmonized HRS dataset with the Harmonized HRS End of Life dataset.

```
use "filepath\H_HRS_eol.dta"  
  
merge 1:1 hhidpn using "filepath\H_HRS_b.dta"
```

Here we provide an example of Stata code to correctly merge select variables from the Harmonized HRS dataset with select variables from the Harmonized HRS End of Life dataset.

```
use variable1 variable2 variable3 using "filepath\H_HRS_eol.dta"  
  
merge 1:1 hhidpn using "filepath\H_HRS_b.dta", keepusing(variable1  
variable2 variable3)
```

In both cases, the same method can be used to merge the RAND HRS and most of the original HRS study data if the name of the dataset is changed.

Because the time from death to the completion of the HRS Exit Interview varies by individual, care must be taken when merging wave-specific variables from the HRS study data, RAND HRS, or Harmonized HRS. In order to merge wave-specific variables from the last completed core wave, it is necessary to employ the use of `RALSTCORE`. Here we provide an example of Stata code to correctly assign whether the respondent had ever reported a diagnosis of cancer in his or her last completed core wave, assuming the HRS Exit Interview took place in wave 12.

```
generate ralcancr = .  
forvalues w = 1(1)11 {  
    replace ralcancr = r`w'cancr if ralstcore==`w'  
}
```

Here, we are generate a new variable called `RALCANCRE`, with the “R” indicating the respondent, the “L” indicating the last completed wave, and “CANCRE” indicating ever receiving a cancer diagnosis. We employ the use of a `forvalues` loop, ranging from waves 1 to 11 using an increase of 1 as it is possible for deceased respondents with an Exit interview in wave 12 to have had their last core interview take place anywhere from wave 1 to wave 11. Within the loop, we replace `RALCANCRE`, to take the values of `RWCANCRE` from the RAND HRS if the last completed core wave, `RALSTCORE`, is equal to “W”.

2. Imputations

2.1. Background

Many HRS Exit questions which ask about financial values follow a similar pattern. In the case of assets, proxies are first asked whether the deceased respondent had ownership of the asset, and if so, the proxy is asked the value of the asset. In the case of expenses, the proxy is asked the amount of the expense. If the proxy does not provide an exact value for the respondent's asset or expense, the HRS Exit surveys the value using unfolding brackets, asking the proxy to identify ranges in which the value of the asset or expense lies. In AHEAD wave 2 and HRS wave 3, the exit interview starts the unfolding bracket sequence by asking the proxy whether the value is more than an amount chosen from a predefined set of thresholds. Starting in wave 4, the HRS exit interview starts the unfolding bracket sequence by asking the proxy whether the value is less than, more than, or about equal to an amount randomly chosen from a predefined set of thresholds. Based on this response, the exit interview asks up to twice more whether the value is more than (in AHEAD wave 2 and HRS wave 3) or whether the value is less than, more than, or about equal to (in HRS wave 4 and onward) some of the other thresholds in an attempt to narrow the possible range of values. The result for some respondents is a closed bracket where the proxy identified a number lower than the value and one higher than the value. Another result for other respondents is an open bracket where the proxy only identified one number lower or higher than the value. One more result for other respondents is an approximate value where the proxy identified a single amount as about equal to the requested value (in HRS wave 4 and onward). A final result for other respondents can be that the proxy was not able to identify any amount which was less than, more than, or about equal to the requested value.

As a result, the HRS Exit data contains no-ownership/zero-value responses, exact amount reports, closed bracket responses, open bracket responses, cases where no bracket information was provided, and cases where ownership is unknown. A no-ownership/zero-value responses results if the proxy reports the respondent not having/owning the expense/asset. An exact amount report results if the proxy reports the respondent having/owning the expense/asset and is able to identify the value. A closed bracket response results if the proxy reports the respondent having/owning the expense/asset and provides an approximate value or an upper and lower bound in which the value lies. An open bracket results if the proxy reports the respondent having/owning the expense/asset and provides some information but only a lower bound or upper bound is identified. Cases where we have no bracket information result if the proxy indicates the respondent having/owning the expense/asset, but neither a lower nor upper bound are identified. Finally, there may be proxies who refused to answer or did not know whether the respondent had/owned the expense/asset. These proxies were not asked to identify the value or taken into an unfolding bracket sequence, and their response is classified as "DK ownership" or "DK whether has expense".

In summary, the data contain valid responses (exact values and cases where we know the individual did not have this type of asset or expense) and several types of responses that require imputations. In decreasing order of the available information, those cases which require imputation:

Case 1: We may know an approximate value, this is considered similar to a closed bracket

Case 2: We may know a number that the value is less than and a number that the value is more than, this is a closed bracket.

Case 3: We may know only one number that the value is more than or less than, this is an open bracket

Case 4: We may know that the individual owned the asset or had the expense, but have no information on its value.

Case 5: We may not even know whether the individual owned an asset or had the expense.

For all variables which include imputed values, the Harmonized HRS End of Life provides and flags imputed values in separate variables.

2.2. Imputation Process

In principle, imputations should use the conditional distribution of the variable to be imputed conditional on all observed variables. In practice, however, this is impractical, undesirable, and often impossible, especially if the data set has large numbers of variables as does the HRS, which would lead to overfitting and inability to estimate all the coefficients in the models. On the other hand, using a very simplified imputation procedure like a hot deck imputation which does not take into account any observed variables or only a few observed variables (in a conditional hot deck) can lead to a match bias, where the imputation method tends to impute too many values in the middle of the distribution (Hirsch & Schumacher 2004 and Bollinger & Hirsch 2006). Taking into consideration the advantages and disadvantages of different imputation procedures, the Harmonized HRS End of Life provides imputed values using a predictive mean matching imputation method (PMM; Little 1988) with a small number of covariates.

For all of the five cases identified above, Harmonized HRS End of Life imputes the value using the PMM method. The Harmonized HRS End of Life PMM method uses all reported values, treating “no ownership” as a zero value, and estimates a linear regression model for the inverse hyperbolic sine of this value with a small set of covariates. The imputed value is then the reported value of the individual with the closest predicted value, where the donor pool consists of the individuals who reported a value that is consistent with the reported information from the individual that needs imputation. For instance, if a proxy reported the respondent having a value between 10,000 and 25,000 in the unfolding bracket sequence, the donor pool would consist of individuals whose proxy reported a value between 10,000 and 25,000. As part of the imputation process, imputation flag variables are also created, which allow data users to know whether the value was reported or imputed and, if imputed, what information was known

(regarding ownership and bracket values). In addition to the value, ownership is also taken from the donor individual, so both are jointly imputed. (Note that HRS Exit allows ownership with a zero value, so the two are not equivalent.) For more information about this PMM model refer to Lee, Meijer, and Phillips (2015).

When imputing individual-level values the gender and age at death of the individual are used as covariates.

The Harmonized HRS End of Life provides imputed values for individual medical expenditures, home value, estate value, death expenses, and life insurance settlements. All of the financial variables in the Harmonized HRS End of Life, whether representing assets or expenditures, have already been adjusted by the annual consumer price index based on the year of the respondent's death. For more information on the calculation of the consumer price index see <http://stats.oecd.org>.

3. Structure of Codebook

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

Whether Death was Expected ← **1**

Wave	Variable	Label	Type
0A	RADEXPEC	radexpec: r death expected	Categ

2 → (points to Wave column)
3 → (points to Label column)
4 → (points to Type column)

5 → **Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RADEXPEC	12712	1.45	0.55	1.00	3.00

6 → **Categorical Variable Code**

Value-----	RADEXPEC
.d:dk	53
.m:missing	12
.q:not asked this wave	174
.r:refuse	1
1.expected	7349
2.unexpected	5017
3.other	346

7 → **How Constructed**

RADEXPEC indicates whether the respondent's death was expected or unexpected, as reported by the proxy. The proxy is asked, "Was the death expected at about the time it occurred, or was it unexpected?" RADEXPEC is coded as follows: 1.expected, 2.unexpected, 3.other. This question is not asked in HRS wave 2, and so RADEXPEC is coded as special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

8 → **Cross-Wave Differences in HRS**

The question on the expectation of death is not asked in HRS wave 2, but is asked in AHEAD wave 2 and HRS wave 3 and onward.

9 → **HRS Variables Used**

Wave 2A Exit:	
N233	cs2jx.expected death?
Wave 3 Exit:	
P233	cs2jx.expected death?
Wave 4 Exit:	
Q496	cs2jx.expected death?

Wave 5 Exit:	
R530	cs2jx.expected death?
Wave 6 Exit:	
SA131	death expected/unexpected
Wave 7 Exit:	
TA131	death expected/unexpected
Wave 8 Exit:	
UA131	death expected/unexpected
Wave 9 Exit:	
VA131	death expected/unexpected
Wave 10 Exit:	
WA131	death expected/unexpected
Wave 11 Exit:	
XA131	death expected/unexpected
Wave 12 Exit:	
YA131	death expected/unexpected

- 1 **Title:** The variables are documented in groups according to the concept that they measure. For example, there is 1 variable related to expectation of death which corresponds to all waves and the respondent. The title is often followed by a short description of the concept that is captured.
- 2 **Variable Names:** This entry shows that the variable represents “all” waves. Please note that while the variable represents “all” waves, not every wave may ask the question encoded in the variable, in which case a special missing is assigned.
- 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. Expected” (not just “Expected”). 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 variables that were used to construct the new variables.

4. Distribution and Technical Notes

The Harmonized HRS End of Life Data file is distributed through the Health and Retirement Survey (HRS) website along with the original HRS data, the RAND HRS data, the Harmonized HRS data, the HRS Exit data, and the RAND HRS Exit/Post-Exit data. The Harmonized HRS End of Life 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 End of Life data file is distributed in Stata, SAS, and SPSS dataset formats.

This is version **A** of the Harmonized HRS End of Life Data.

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

5. Data Codebook

Section A: Demographics

Person Specific Identifier

Wave	Variable	Label	Type
0I	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	12952	165924096.66	110430678.61	1010.00	920555020.00

How Constructed:

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

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/labor/aging/dataproducts/hrs-data.html>", or "RAND HRS Data Longitudinal File 2014 (V2) Documentation" (2018).

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)

Wave Status: Exit, Post Exit, and Post Post Exit Interview

Wave Variable	Label	Type
0N INXT	inxt: r in exit interview	Categ
02 INW2XT	inw2xt: r in w2 exit interview	Categ
03 INW3XT	inw3xt: r in w3 exit interview	Categ
04 INW4XT	inw4xt: r in w4 exit interview	Categ
05 INW5XT	inw5xt: r in w5 exit interview	Categ
06 INW6XT	inw6xt: r in w6 exit interview	Categ
07 INW7XT	inw7xt: r in w7 exit interview	Categ
08 INW8XT	inw8xt: r in w8 exit interview	Categ
09 INW9XT	inw9xt: r in w9 exit interview	Categ
10 INW10XT	inw10xt: r in w10 exit interview	Categ
11 INW11XT	inw11xt: r in w11 exit interview	Categ
12 INW12XT	inw12xt: r in w12 exit interview	Categ
04 INW4PXT	inw4pxt: r in w4 post exit interview	Categ
05 INW5PXT	inw5pxt: r in w5 post exit interview	Categ
06 INW6PXT	inw6pxt: r in w6 post exit interview	Categ
07 INW7PXT	inw7pxt: r in w7 post exit interview	Categ
08 INW8PXT	inw8pxt: r in w8 post exit interview	Categ
09 INW9PXT	inw9pxt: r in w9 post exit interview	Categ
10 INW10PXT	inw10pxt: r in w10 post exit interview	Categ
11 INW11PXT	inw11pxt: r in w11 post exit interview	Categ
12 INW12PXT	inw12pxt: r in w12 post exit interview	Categ
06 INW6PPXT	inw6ppxt: r in w6 post post exit interview	Categ
07 INW7PPXT	inw7ppxt: r in w7 post post exit interview	Categ
08 INW8PPXT	inw8ppxt: r in w8 post post exit interview	Categ
09 INW9PPXT	inw9ppxt: r in w9 post post exit interview	Categ
10 INW10PPXT	inw10ppxt: r in w10 post post exit interview	Categ
11 INW11PPXT	inw11ppxt: r in w11 post post exit interview	Categ
12 INW12PPXT	inw12ppxt: r in w12 post post exit interview	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
INXT	12952	1.00	0.00	1.00	1.00
INW2XT	12952	0.01	0.12	0.00	1.00
INW3XT	12952	0.07	0.26	0.00	1.00
INW4XT	12952	0.10	0.29	0.00	1.00
INW5XT	12952	0.10	0.30	0.00	1.00
INW6XT	12952	0.12	0.32	0.00	1.00
INW7XT	12952	0.09	0.29	0.00	1.00
INW8XT	12952	0.10	0.30	0.00	1.00
INW9XT	12952	0.10	0.30	0.00	1.00
INW10XT	12952	0.11	0.31	0.00	1.00
INW11XT	12952	0.09	0.29	0.00	1.00
INW12XT	12952	0.10	0.29	0.00	1.00
INW4PXT	12952	0.02	0.13	0.00	1.00
INW5PXT	12952	0.03	0.16	0.00	1.00
INW6PXT	12952	0.04	0.19	0.00	1.00
INW7PXT	12952	0.03	0.16	0.00	1.00
INW8PXT	12952	0.01	0.09	0.00	1.00
INW9PXT	12952	0.01	0.09	0.00	1.00
INW10PXT	12952	0.01	0.10	0.00	1.00

INW11PXT	12952	0.01	0.10	0.00	1.00
INW12PXT	12952	0.01	0.10	0.00	1.00
INW6PPXT	12952	0.00	0.04	0.00	1.00
INW7PPXT	12952	0.01	0.10	0.00	1.00
INW8PPXT	12952	0.00	0.05	0.00	1.00
INW9PPXT	12952	0.00	0.02	0.00	1.00
INW10PPXT	12952	0.00	0.03	0.00	1.00
INW11PPXT	12952	0.00	0.04	0.00	1.00
INW12PPXT	12952	0.00	0.04	0.00	1.00

Categorical Variable Codes

Value-----	INXT						
1. resp, deceased	12952						
Value-----		INW2XT	INW3XT	INW4XT	INW5XT	INW6XT	INW7XT
0. nonresp		12778	11984	11712	11610	11458	11730
1. resp, deceased		174	968	1240	1342	1494	1222
Value-----	INW8XT	INW9XT	INW10XT	INW11XT	INW12XT		
0. nonresp	11642	11622	11509	11765	11710		
1. resp, deceased	1310	1330	1443	1187	1242		
Value-----				INW4PXT	INW5PXT	INW6PXT	INW7PXT
0. nonresp				12720	12596	12492	12626
1. resp, deceased				232	356	460	326
Value-----	INW8PXT	INW9PXT	INW10PXT	INW11PXT	INW12PXT		
0. nonresp	12837	12841	12831	12822	12828		
1. resp, deceased	115	111	121	130	124		
Value-----						INW6PPXT	INW7PPXT
0. nonresp						12927	12814
1. resp, deceased						25	138
Value-----	INW8PPXT	INW9PPXT	INW10PPXT	INW11PPXT	INW12PPXT		
0. nonresp	12921	12945	12939	12932	12934		
1. resp, deceased	31	7	13	20	18		

How Constructed:

INXT indicates whether a proxy completed the first exit interview for the deceased respondent in any wave. INXT is coded as 1 if the respondent is deceased and a proxy completed the first exit interview on their behalf in any available wave. All respondents in this dataset are coded as 1 because this dataset only includes respondents who are deceased and have had a completed exit interview.

INWwXT indicates whether a proxy completed the first exit interview for the deceased respondent in the current wave. INWwXT is coded as 1 if a proxy completed the first exit interview on behalf of the deceased respondent in the specified wave. INWwXT is coded as 0 if a proxy completed the first exit interview on behalf of the deceased respondent as part of another wave. Please note that this dataset only includes respondents who are deceased and have had a completed exit interview. INWwXT does not indicate whether the respondent is alive or dead, but rather which wave the respondent's first exit interview took place in.

INWwPXT indicates whether a proxy completed the post exit interview for the deceased respondent in the current wave. The post exit interview is a return exit interview to gather additional information on the respondent's estate which could not be collected at the time of the first exit interview. Post exit interviews are conducted beginning in wave 4, and are conducted for respondents whose first exit interview was completed in AHEAD wave 2 or HRS wave 3 or after (so not completed in HRS wave 2). INWwPXT is not available in waves 2 and 3. INWwPXT is coded as 0 if a proxy completed the first exit interview on behalf of the deceased respondent as part of another wave or no post exit interview was given. INWwPXT is coded as 1 if a proxy completed the post exit interview on behalf of the deceased respondent in the specified wave.

INWwPPXT indicates whether a proxy completed a post post exit interview for the deceased respondent in the current wave. The post post exit interview is a return exit interview to gather additional information on the respondent's estate which could not be collected at the time of the first or post exit interview. Post post exit interviews are conducted beginning in wave 6, and are conducted for respondents whose first exit interview was completed in AHEAD wave 2 or HRS wave 3 or after (so not completed in HRS wave 2). INWwPPXT is not available in waves 2 through 5. In waves 6, and 8 and onward, only one post post exit interview is conducted. In wave 7 alone, a second post post exit interview could be conducted. INWwPPXT is coded as 0 if a proxy completed the first exit interview on behalf of the deceased respondent as part of another wave or no post post exit interview was given. INWwPPXT is coded as 1 if a proxy completed the first or second post post exit interview on behalf of the deceased respondent in the specified wave.

Cross Wave Differences in HRS

Post exit interviews are conducted beginning in wave 4, and are conducted for respondents whose first exit interview was completed in AHEAD wave 2 or HRS wave 3 or after. Post exit interviews were not conducted for respondents whose first exit interview was completed in HRS wave 2.

Post post exit interviews are conducted beginning in wave 6, and are conducted for respondents whose first exit interview was completed in AHEAD wave 2 or HRS wave 3 or after. Post post exit interviews were not conducted for respondents whose first exit interview was completed in HRS wave 2. In waves 6, and 8 and onward, only one post post exit interview is conducted. Only in wave 7, a second post post exit interview could be conducted.

HRS Variables Used:

Wave 2 Exit:	
W116	ics5. self/proxy interview
Wave 2A Exit:	
N217	cs1.r living
Wave 3 Exit:	
P209	proxy iw flag
Wave 4 Exit:	
POST_EXIT	post exit interview flag
Wave 5 Exit:	
POST_EXIT	post exit interview flag
Wave 6 Exit:	
SA028	r in nursing home
SZ145	type post exit interview
Wave 7 Exit:	
TA167	r in nursing home
TZ145	type post exit interview
Wave 8 Exit:	
UA167	r in nursing home
UZ145	prev wave type post exit interview
Wave 9 Exit:	
VA167	r in nursing home
VZ145	prev wave type post exit interview
Wave 10 Exit:	
WA028	r in nursing home
WZ145	type post exit interview
Wave 11 Exit:	
XA028	r in nursing home
XZ145	type post exit interview
Wave 12 Exit:	
YA028	r in nursing home
YZ145	type post exit interview

Exit, Post Exit, and Post Post Exit Interview Dates: Month and Year
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Wave	Variable	Label	Type
0A	RAXTIWM	raxtiwm: r exit interview month	Cont
0A	RAXTIWY	raxtiwy: r exit interview year	Cont
0A	RAPXTIWM	rapxtiwm: r post exit interview month	Cont
0A	RAPXTIWY	rapxtiwy: r post exit interview year	Cont
0A	RAPPXTIWM1	rappxtiwm1: r 1st post post exit interview month	Cont
0A	RAPPXTIWY1	rappxtiwy1: r 1st post post exit interview year	Cont
0A	RAPPXTIWM2	rappxtiwm2: r 2nd post post exit interview month	Cont
0A	RAPPXTIWY2	rappxtiwy2: r 2nd post post exit interview year	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXTIWM	12952	6.53	2.93	1.00	12.00
RAXTIWY	12952	2005.11	5.74	1994.00	2015.00
RAPXTIWM	1968	7.16	2.43	1.00	12.00
RAPXTIWY	1968	2004.01	4.69	1998.00	2015.00
RAPPXTIWM1	243	5.91	2.51	1.00	12.00
RAPPXTIWY1	243	2005.91	3.57	2002.00	2014.00
RAPPXTIWM2	9	5.22	1.72	3.00	8.00
RAPPXTIWY2	9	2004.00	0.00	2004.00	2004.00

How Constructed:

RAXTIWM and RAXTIWY indicate the month and year, respectively, in which the respondent's first exit interview took place. Exit interviews have been conducted since HRS wave 2 and AHEAD wave 2 for respondents who had participated in at least one previous wave of the HRS.

RAPXTIWM and RAPXTIWY indicate the month and year, respectively, in which the respondent's post exit interview took place. Post exit interviews have been conducted since wave 4 for respondents whose first exit interview was completed in AHEAD wave 2 or HRS wave 3 or after. Post exit interviews were not conducted for respondents whose first exit interview was completed in HRS wave 2. RAPXTIWM and RAPXTIWY are assigned special missing .q if the respondent's first exit interview took place in HRS wave 2 and is not eligible for a post exit interview. RAPXTIWM and RAPXTIWY are assigned special missing .x if the respondent's first exit interview took place in AHEAD wave 2 or HRS wave 3 or later, but a post exit interview was not conducted on behalf of the respondent. Don't know, refuse, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAPPXTIWM1 and RAPPXTIWY1 indicate the month and year, respectively, in which the respondent's first post post exit interview took place. RAPPXTIWM2 and RAPPXTIWY2 indicate the month and year, respectively, in which the respondent's second post post exit interview took place. The post post exit interview is a return exit interview to gather additional

information on the respondent's estate which could not be collected at the time of the first or post exit interview. Post post exit interviews have been conducted since wave 6 for respondents whose first exit interview was completed in AHEAD wave 2 or HRS wave 3 or after. Post post exit interviews were not conducted for respondents whose first exit interview was completed in HRS wave 2. In waves 6, and 8 and onward, only one post post exit interview is conducted. In wave 7 alone, a second post post exit interview could be conducted. RAPPXTIWM1, RAPPXTIWM2, RAPPXTIWY1, and RAPPXTIWY2 are assigned special missing .q if the respondent's first exit interview took place in HRS wave 2 and is not eligible for a post exit interview. RAPPXTIWM1, RAPPXTIWY1, RAPPXTIWM2, and RAPPXTIWY2 are assigned special missing .x if the respondent's first exit interview took place in AHEAD wave 2 or HRS wave 3, both in wave 3, or later, but a first or second, respectively, post post exit interview was not conducted on behalf of the respondent. Don't know, refuse, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

Exit interviews began to be conducted in HRS wave 2 and AHEAD wave 2 for respondents who had participated in at least one previous wave of the HRS.

There is a specified start and end date for the exit interview only in HRS wave 2. In this wave, RAXTIWM and RAXTIWY indicate the month and year of the end of the exit interview. You can find data for the timing of the start of the wave 2 exit interview in the core HRS data. It is only in HRS wave 2 that there is not a separate exit questionnaire, but rather the questions for the exit interview are within the core questionnaire.

Respondents whose first exit interview took place in HRS wave 2 are not eligible for a post exit interview.

Post exit interviews are conducted beginning in wave 4. First post post exit interviews are conducted beginning in wave 6. A second post post exit interview is only conducted in wave 7.

HRS Variables Used:

Wave 2 Exit:	
W59	end of interview - month
W61	end of interview - year
Wave 2A Exit:	
N391	cur month text
N393	cur year yyyy
Wave 3 Exit:	
P391	cur month text
P393	cur year yyyy
Wave 4 Exit:	
Q2561A	fs date of iw - month
Q2561B	fs date of iw - year
Q699	month of interview
Q701	year of interview
Wave 5 Exit:	
R768	cscalc2.cur month text
R770	cs22y45.cur year yyyy
Wave 6 Exit:	
SA500	date of interview - month
SA501	date of interview - year
Wave 7 Exit:	
TA500	date of interview - month
TA501	date of interview - year
Wave 8 Exit:	
UA500	date of interview - month
UA501	date of interview - year
Wave 9 Exit:	
VA500	date of interview - month
VA501	date of interview - year

Wave 10 Exit:
WA500 date of interview - month
WA501 date of interview - year

Wave 11 Exit:
XA500 date of interview - month
XA501 date of interview - year

Wave 12 Exit:
YA500 date of interview - month
YA501 date of interview - year

Last Completed Core Interview

Wave	Variable	Label	Type
0A	RALSTCORE	ralstcore: r last completed core interview wave	Cont
0A	RALSTCOREY	ralstcorey: r last completed core interview year	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RALSTCORE	12952	6.35	2.85	1.00	11.00
RALSTCOREY	12952	2002.68	5.83	1992.00	2013.00

How Constructed:

RALSTCORE indicates the most recent wave that the now deceased respondent completed while alive, including if the last completed wave was completed by a proxy. This variable is determined based on the INWw variables in the RAND HRS. RALSTCORE can be used to merge the Harmonized HRS Exit to the last completed core wave of the HRS study data, the RAND HRS, or the Harmonized HRS. For additional details and example code to complete this merge, please see section 1.8 of the Introduction and Overview.

RALSTCOREY indicates the year of the most recent wave interview that the now deceased respondent completed while alive, including if the last completed wave was completed by a proxy. This variable is determined based on the INWw and RwiWENDY variables in the RAND HRS.

Cross Wave Differences in HRS

No differences known.

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
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
R10IWENDY	r10iwendy:w10 interview end year
R11IWENDY	r11iwendy:w11 interview end year
R1IWENDY	r1iwendy:w1 interview end year
R2IWENDY	r2iwendy:w2 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

Relationship of Proxy to Respondent

Wave	Variable	Label	Type
0A	RAXPRXY	raxprxy: proxy relationship to r: exit ivw	Categ
0A	RAPXPRXY	rapxprxy: proxy relationship to r: post exit ivw	Categ
0A	RAPPXPRXY1	rappxprxy1: proxy relationship to r: post post exit ivw 1	Categ
0A	RAPPXPRXY2	rappxprxy2: proxy relationship to r: post post exit ivw 2	Categ
0A	RAXSMPRXY	raxsmprxy: exit proxy same as core ivw	Categ
0A	RAPXSMPRXY	rapxsmprxy: post exit proxy same as exit	Categ
0A	RAPPXSMPRXY1	rappxsmprxy1: post post exit 1 proxy same as post exit	Categ
0A	RAPPXSMPRXY2	rappxsmprxy2: post post exit 2 proxy same as post post exit	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXPRXY	12952	1.89	0.81	1.00	4.00
RAPXPRXY	1527	1.93	0.79	1.00	4.00
RAPPXPRXY1	243	1.76	0.68	1.00	4.00
RAPPXPRXY2	9	1.78	0.67	1.00	3.00
RAXSMPRXY	3504	1.26	0.53	1.00	3.00
RAPXSMPRXY	1743	1.27	0.59	1.00	3.00
RAPPXSMPRXY1	243	1.12	0.36	1.00	3.00
RAPPXSMPRXY2	9	1.11	0.33	1.00	2.00

Categorical Variable Codes

Value	RAXPRXY
1.spouse	4409
2.child	6097
3.other relative	1847
4.other non-relative	599

Value	RAPXPRXY
.q:not asked this wave	1103
.x:no post exit ivw	10322
1.spouse	464
2.child	783
3.other relative	205
4.other non-relative	75

Value	RAPPXPRXY1
.q:not asked this wave	3570
.x:no 1st post post exit iv	9139
1.spouse	90
2.child	125
3.other relative	25
4.other non-relative	3

Value-----	RAPPXPRXY2
.q:not asked this wave	11721
.x:no 2nd post post exit iv	1222
1.spouse	3
2.child	5
3.other relative	1

Value-----	RAXSMPRXY
.d:dk	2
.m:missing	1
.p:no proxy prev iw	9271
.q:not asked this wave	174
1.same proxy	2757
2.different proxy	591
3.unknown	156

Value-----	RAPXSMPRXY
.q:not asked this wave	1103
.x:no post exit iw	10106
1.same proxy	1405
2.different proxy	205
3.unknown	133

Value-----	RAPPXSMPRXY1
.q:not asked this wave	3570
.x:no 1st post post exit iv	9139
1.same proxy	218
2.different proxy	22
3.unknown	3

Value-----	RAPPXSMPRXY2
.q:not asked this wave	11721
.x:no 2nd post post exit iv	1222
1.same proxy	8
2.different proxy	1

How Constructed:

RAXPRXY indicates the relationship of the proxy who completed the first exit interview to the deceased respondent, as reported by the interviewer. RAPXPRXY indicates the relationship of the proxy who completed the post exit interview to the deceased respondent. RAPPXPRXY1 indicates the relationship of the proxy who completed the first post post exit interview to the deceased respondent. RAPPXPRXY2 indicates the relationship of the proxy who completed the second post post exit interview to the deceased respondent. These variables are coded as follows: 1.spouse, 2.child, 3.other relative, 4.other non-relative. RAXPRXY, RAPXPRXY, RAPPXPRXY1, and RAPPXPRXY2 are coded as 1 if the proxy is the deceased respondent's spouse or partner. RAXPRXY, RAPXPRXY, RAPPXPRXY1, and RAPPXPRXY2 are coded as 2 if the proxy is the deceased respondent's son, stepson or son of partner, spouse/partner of daughter, daughter, stepdaughter or daughter of partner, or spouse/partner of son. RAXPRXY, RAPXPRXY, RAPPXPRXY1, and RAPPXPRXY2 are coded as 3 if the proxy is the deceased respondent's grandchild (of the respondent or their spouse/partner), spouse/partner of grandchild, brother, sister, or other relative. RAXPRXY, RAPXPRXY, RAPPXPRXY1, and RAPPXPRXY2 are coded as 4 if the proxy is another individual, paid helper, or professional. RAPXPRXY, RAPPXPRXY1, and RAPPXPRXY2 are assigned special missing .q if the respondent's first exit interview took place in HRS wave 2 and is not eligible for a post exit interview. RAPXPRXY, RAPPXPRXY1, and RAPPXPRXY2 are assigned special missing .x if the respondent's first exit interview took place in AHEAD wave 2 or HRS wave 3 or later, but a post exit interview or post post exit interview was not conducted on behalf of the respondent. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXSMPRXY indicates whether the proxy completing the first exit interview for the deceased respondent is the same as the proxy who helped to complete the previous core interview, as reported by the interviewer. RAPXSMPRXY indicates whether the proxy completing the post exit interview for the deceased respondent is the same as the proxy who completed the first exit interview. RAPPXSMPRXY1 indicates whether the proxy completing the first post post exit interview for the deceased respondent is the same as the proxy who completed the post exit interview. RAPPXSMPRXY2 indicates whether the proxy completing the second post post exit interview for the deceased respondent is the same as the proxy who completed the first post post exit interview. These variables are coded as follows: 1.same proxy, 2.different proxy,

3.unknown. In waves 3 through 5, RAXSMPRXY, RAPXSMPRXY, RAPPXSMPRXY1, and RAPPXSMPRXY2 are coded as 3.unknown if the proxy status of the previous wave was not assigned in the preload or if the proxy name from the previous wave was not preloaded. Starting in wave 6, the interviewer is instructed to report 3.unknown unless they confirm from the exit interview proxy that they were or were not the same proxy who helped to complete the previous core/exit interview. RAXSMPRXY is assigned special missing .p if the deceased respondent's previous core interview was not completed by proxy. RAXSMPRXY is not available in wave 2, and so is assigned special missing .q in this wave. RAPXSMPRXY, RAPPXSMPRXY1, and RAPPXSMPRXY2 are assigned special missing .q if the respondent's first exit interview took place in HRS wave 2 and is not eligible for a post exit interview. RAPXSMPRXY, RAPPXSMPRXY1, and RAPPXSMPRXY2 are assigned special missing .x if the respondent's first exit interview took place in AHEAD wave 2 or HRS wave 3 or later, but a post exit interview or post post exit interview was not conducted on behalf of the respondent. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2, there is a larger list of relationship types for the proxy's relationship to the respondent than in other waves. In this wave, RAXPRXY is coded as 2 if the proxy is the deceased respondent's child (natural), adopted child, stepchild (partner's, spouse's or ex-spouse's child), child-in-law, foster child, or child (NA type). RAXPRXY is coded as 3 if the proxy is the deceased respondent's grandchild (including grandchild-in-law and step-grandchild), great grandchild, parent (natural), adoptive parent, step-parent (parent's spouse), spouse's/partner's parent or step-parent, parent (NA type), grandparent, great grandparent, spouse's/partner's grandparent, spouse's/partner's great grandparent, sibling, step-sibling, sibling-in-law, niece/nephew or grandniece/grandnephew, spouse's/partner's step-sibling, spouse's/partner's sibling-in-law, spouse's/partner's niece/nephew, sibling (NA type), aunt/uncle, cousin/cousin-in-law, great aunt/uncle, other relative, spouse's/partner's aunt/uncle, spouse's/partner's cousin, great aunt/uncle of spouse/partner, or other relative of spouse/partner. RAXPRXY is coded as 4 if the proxy is the deceased respondent's friend, friend's child or grandchild, spouse's/partner's friend, spouse's/partner's friend's child, friend or fiancée of respondent's child or of another relative, servant/live-in (paid) help/housekeeper, roomer/boarder, roommate/housemate and their children, landlord, persons unknown to the respondent, or other. Please note that there is a higher proportion of spouse proxies in HRS wave 2, which we believe to be the result of an interviewer preference to interview spouses over other relationship types at that wave.

The questionnaire in HRS wave 2 does not ask whether the proxy in the exit interview is the same as the previous core interview. In waves 3 through 5, the interviewer is not asked to assign a same proxy status of unknown, only to determine whether it is the same proxy as the previous wave or a different/new person. Starting in wave 6, the interviewer is instructed to report an unknown proxy status unless they confirm from the exit interview proxy that they were or were not the same proxy who helped to complete the previous core interview.

Respondents whose first exit interview took place in HRS wave 2 are not eligible for a post exit interview.

Post exit interviews are conducted beginning in wave 4. First post post exit interviews are conducted beginning in wave 6. A second post post exit interview is only conducted in wave 7.

HRS Variables Used:

Wave 2 Exit:	
W132	icsp2. relationship of proxy to r
W62	proxy type of interview
Wave 2A Exit:	
N218	cs1a.proxy interview
N219	cs1b.wave2 proxy is:
N557	cs2-proxy type 1
N99	w1 iw self/proxy
Wave 3 Exit:	
P218	cs1a.proxy interview

```
P219          cs1b.wave2 proxy is:
P557          cs49.proxy type 1
P99           prev wave iw self/proxy
Wave 4 Exit:
  Q222        prev wave iw self/proxy
  Q483        cs1a.proxy/self interview
  Q484        cs1b.current-wave proxy
  Q863        cs2-proxy type 1
Wave 5 Exit:
  R222        pr222.prev wave iw self/proxy
  R514        cs1a.proxy/self interview
  R515        cs1b.current-wave proxy
  R947        cs49y48.(cs2)-proxy rel to deceased
Wave 6 Exit:
  SA009       proxy/self interview
  SA010       current - wave proxy
  SA103       proxy relationship to r
  SZ095       prev wave iw self/proxy
Wave 7 Exit:
  TA009       proxy/self interview
  TA010       current - wave proxy
  TA103       proxy relationship to r
  TZ095       prev wave iw self/proxy
Wave 8 Exit:
  UA009       proxy/self interview
  UA010       current - wave proxy
  UA103       proxy relationship to r
  UZ095       prev wave iw self/proxy
Wave 9 Exit:
  VA009       proxy/self interview
  VA010       current - wave proxy
  VA103       proxy relationship to r
  VZ095       prev wave iw self/proxy
Wave 10 Exit:
  WA009       proxy/self interview
  WA010       current - wave proxy
  WA103       proxy relationship to r
  WZ095       prev wave iw self/proxy
Wave 11 Exit:
  XA009       proxy/self interview
  XA010       current - wave proxy
  XA103       proxy relationship to r
  XZ095       prev wave iw self/proxy
Wave 12 Exit:
  YA009       proxy/self interview
  YA010       current - wave proxy
  YA103       proxy relationship to r
  YZ095       prev wave iw self/proxy
```

Date of Death: Month and Year

Wave	Variable	Label	Type
0A	RAXMONTH	raxmonth: r death month reported in exit ivw	Cont
0A	RAXYEAR	raxyear: r death year reported in exit ivw	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXMONTH	12641	6.44	3.54	1.00	12.00
RAXYEAR	12713	2004.12	5.75	1992.00	2014.00

How Constructed:

The month and year of the respondent's death is asked first in the exit interview, and then in the post and post post exit interviews if the answers from the previous exit interview or previous post exit interview are missing. These questions are included in the post and post post exit interviews starting in wave 6. Once the questions are answered, the proxy is not asked these questions again if any further exit interviews are conducted. As such, RAXMONTH and RAXYEAR can contain responses from the exit interview, post exit interview, or post post exit interview.

RAXMONTH and RAXYEAR indicate the deceased respondent's month and year of death, respectively, as reported by the proxy in the exit interview. Starting in AHEAD wave 2 and HRS wave 3 in wave 3, RAXMONTH and RAXYEAR are ascertained from direct questions asking the proxy about the respondent's month and year of death, respectively. Starting in wave 6, if post exit or post post exit interviews are conducted on behalf of the respondent and RAXMONTH or RAXYEAR is missing, then the month and year of death provided in the post or post post exit interview is used. These dates are not specifically obtained in HRS wave 2, and RAXYEAR and RAXMONTH are assigned special missing .q in this wave. RAXYEAR is assigned special missing .i if an invalid year of death was given, either because it did not make sense or because death occurred before the start of the HRS interviews in 1992. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Please note that the RAND HRS provides additional values for the respondent's month and year of death, separate from RAXMONTH and RAXYEAR which are assigned based on information solely from the exit interview. Specifically, RAIMONTH and RAIYEAR indicate the respondent's date of death from either the exit interview or from the respondent's spouse. The HRS also provides variables for the respondent's month and year of death in their Tracker File, EXDEATHMO and EXDEATHYR, which incorporate data from an exit interview or a spouse/partner core interview, and KNOWNDECEASEDMO and KNOWNDECEASEDYR, which incorporate data from the exit interview, spouse/partner core interview, date reported during field activity by someone with knowledge of the respondent, and an imputed date based on the respondent's last known alive date and the date on which the HRS learned the respondent was deceased. In all calculations involving the date of death, we use the KNOWNDECEASEDMO and KNOWNDECEASEDYR variables provided in the HRS Tracker File.

Cross Wave Differences in HRS

The month and year of death are not specifically obtained in HRS wave 2. Starting in AHEAD wave 2 and HRS wave 3, the month and year of death are ascertained from direct questions to the proxy during the exit interview.

Starting in wave 6, if post exit or post post exit interviews are conducted on behalf of the respondent and RAXMONTH or RAXYEAR is missing, then the month and year of death provided in the post or post post exit interview is used to fill in RAXMONTH and RAXYEAR.

Respondents whose first exit interview took place in HRS wave 2 in wave 2 are not eligible for a post exit interview.

Post exit interviews are conducted beginning in wave 4. First post post exit interviews are conducted beginning in wave 6. A second post post exit interview is only conducted in wave 7.

HRS Variables Used:

Wave 2A Exit:	
N223	cs2ax.month of death
N225	cs2bx.year of death
Wave 3 Exit:	
P223	cs2ax.month of death
P225	cs2bx.year of death
Wave 4 Exit:	
Q488	cs2ax.month of death
Q490	cs2bx.year of death
Wave 5 Exit:	
R520	cs2ax.month of death
R522	cs2ax3.year of death
Wave 6 Exit:	
SA121	date of death- month
SA123	date of death- year
Wave 7 Exit:	
TA121	date of death- month
TA123	date of death- year
Wave 8 Exit:	
UA121	date of death- month
UA123	date of death- year
Wave 9 Exit:	
VA121	date of death- month
VA123	date of death- year
Wave 10 Exit:	
WA121	date of death- month
WA123	date of death- year
Wave 11 Exit:	
XA121	date of death- month
XA123	date of death- year
Wave 12 Exit:	
YA121	date of death- month
YA123	date of death- year

Date of Death: Age at Death

Wave Variable	Label	Type
0A RADAGE	radage: r age at death	Cont
0A RADAGEF	radagef: r flag age at death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADAGE	12951	78.95	11.13	37.00	111.00
RADAGEF	12951	0.02	0.17	0.00	2.00

Categorical Variable Codes

Value-----	RADAGEF
.m:missing	1
0.reported/calculated age u	12813
1.month & year used	57
2.only year used	81

How Constructed:

RADAGE indicates the deceased respondent's age at death. RADAGE takes the age calculated in the coverscreen module of the exit interview when possible. If this value is missing, then RADAGE is calculated using year and month of birth (RABYEAR and RABMONTH from the RAND HRS) and year and month of death (KNOWNDECEASEDYR and KNOWNDECEASEDMO from the HRS Tracker File). If birth or death month is missing, then the calculation only considers the birth and death year values. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RADAGEF is a flag variable indicating whether an age was reported or calculated in the coverscreen, or whether year and month or only years are used in the calculation of RADAGE. RADAGEF is coded as follows: 0.reported/calculated age used, 1.month and year used, 2.only year used. RADAGEF is assigned special missing .m if RADAGE has a missing value.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is asked for the respondent's age at death, and not for the year and month of death. In all other waves, the proxy is asked for the respondent's year and month of death, and age is calculated in the coverscreen module.

HRS Variables Used:

RAND HRS:	
RABMONTH	rabmonth: r birth month
RABYEAR	rabyear: r birth year
S10BMONTH	s10bmonth: s birth month
S10BYEAR	s10byear: s birth year
S11BMONTH	s11bmonth: s birth month
S11BYEAR	s11byear: s birth year
S12BMONTH	s12bmonth: s birth month
S12BYEAR	s12byear: s birth year
S1BMONTH	s1bmonth: s birth month
S1BYEAR	s1byear: s birth year
S2BMONTH	s2bmonth: s birth month
S2BYEAR	s2byear: s birth year

S3MONTH	s3bmonth: s birth month
S3YEAR	s3byear: s birth year
S4MONTH	s4bmonth: s birth month
S4YEAR	s4byear: s birth year
S5MONTH	s5bmonth: s birth month
S5YEAR	s5byear: s birth year
S6MONTH	s6bmonth: s birth month
S6YEAR	s6byear: s birth year
S7MONTH	s7bmonth: s birth month
S7YEAR	s7byear: s birth year
S8MONTH	s8bmonth: s birth month
S8YEAR	s8byear: s birth year
S9MONTH	s9bmonth: s birth month
S9YEAR	s9byear: s birth year

Tracker:

KNOWNDECEASEDMO	known deceased - month
KNOWNDECEASEDYR	known deceased - year

Wave 2 Exit:

W104	hhcs7d. age
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Wave 2A Exit:

N407	r`s current age
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Wave 3 Exit:

P407	r`s current age
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Wave 4 Exit:

Q1014	r`s cur age (ref q753)
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Wave 5 Exit:

R1086	a21y1.r`s cur age
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Wave 6 Exit:

SR_AGE	rage
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Wave 7 Exit:

TA019	r current age calculation
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Wave 8 Exit:

UA019	r current age calculation
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Wave 9 Exit:

VA019	r current age calculation
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Wave 10 Exit:

WA019	r current age calculation
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Wave 11 Exit:

XA019	r current age calculation
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Wave 12 Exit:

YA019	r current age calculation
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Time from Death to Exit Interview: Months and Years
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Wave	Variable	Label	Type
0A	RADTOIVWM	radtoivwm: r time between death and exit ivw, months	Cont
0A	RADTOIVWY	radtoivwy: r time between death and exit ivw, years	Cont
0A	RADTOIVWF	radtoivwf: r flag time between death and exit ivw	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADTOIVWM	12836	13.47	9.76	0.00	118.00
RADTOIVWY	12836	1.12	0.81	0.00	9.83
RADTOIVWF	12836	1.00	0.00	1.00	1.00

Categorical Variable Codes

Value-----	RADTOIVWF
.m:missing	116
1.month and year used	12836

How Constructed:

RADTOIVWM and RADTOIVWY indicate the calculated months and years, respectively, from the respondent's death to the first exit interview. RADTOIVWM is calculated using the year and month of death (KNOWNDECEASEDYR and KNOWNDECEASEDMO from the HRS Tracker File) and the year and month of the exit interview. If exit interview or death month is missing, then the calculation only considers the exit interview and death year values. RADTOIVWY is calculated by dividing RADTOIVWM by 12. If these calculations create a negative value, then RADTOIVWM and RADTOIVWY are assigned special missing .i. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RADTOIVWF is a flag variable indicating whether year and month or only years are used in the calculation of RADTOIVWM and RADTOIVWY. RADTOIVWF is coded as follows: 1. month and year used, 2. only year used. RADTOIVWF is assigned special missing .m if RADTOIVWM and RADTOIVWY have a missing value.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is asked for the respondent's age at death. In all other waves, the proxy is asked for the respondent's year and month of death. The effects of this difference on the calculation of time between death and the exit interview for HRS wave 2 are greatly diminished through the use of KNOWNDECEASEDYR and KNOWNDECEASEDMO from the HRS Tracker File.

HRS Variables Used:

Tracker:

KNOWNDECEASEDMO known deceased - month

KNOWNDECEASEDYR known deceased - year

Wave 2 Exit:

W61 end of interview - year

Wave 2A Exit:

N391 cur month text

N393 cur year yyyy

Wave 3 Exit:

P391	cur month text
P393	cur year YYYY
Wave 4 Exit:	
Q699	month of interview
Q701	year of interview
Wave 5 Exit:	
R768	cscalc2.cur month text
R770	cs22y45.cur year YYYY
Wave 6 Exit:	
SA500	date of interview - month
SA501	date of interview - year
Wave 7 Exit:	
TA500	date of interview - month
TA501	date of interview - year
Wave 8 Exit:	
UA500	date of interview - month
UA501	date of interview - year
Wave 9 Exit:	
VA500	date of interview - month
VA501	date of interview - year
Wave 10 Exit:	
WA500	date of interview - month
WA501	date of interview - year
Wave 11 Exit:	
XA500	date of interview - month
XA501	date of interview - year
Wave 12 Exit:	
YA500	date of interview - month
YA501	date of interview - year

Location of Death

Wave Variable	Label	Type
0A RADLOC	radloc: r death location	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADLOC	12754	2.16	1.02	1.00	5.00

Categorical Variable Codes

Value-----	RADLOC
.d:dk	11
.m:missing	12
.q:not asked this wave	174
.r:refuse	1
1.private home	3750
2.hospital	4820
3.nursing home	2902
4.hospice	905
5.other	377

How Constructed:

RADLOC indicates the respondent's location at the time of their death, as reported by the proxy. RADLOC is coded as follows: 1.private home, 2.hospital, 3.nursing home, 4.hospice, 5.other. RADLOC is coded as 1 if the proxy reports that the respondent died at home. RADLOC is coded as 2 if the proxy reports that the respondent died at the hospital. RADLOC is coded as 3 if the proxy reports that the respondent died in a nursing home or at an assisted living facility, rest home, retirement home, or senior care home. RADLOC is coded as 4 if the proxy reports that the respondent died in hospice. RADLOC is coded as 5 if the proxy reports that the respondent died in another location (e.g., at work, outside, accident, relative's home). This question is not asked in HRS wave 2, and so RADLOC is assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

The respondent's location at death was not asked in HRS wave 2, but is asked in AHEAD wave 2 and HRS wave 3 and onward.

HRS Variables Used:

Wave 2A Exit:	
N226	cs2cx.place of death
Wave 3 Exit:	
P226	cs2cx.place of death
Wave 4 Exit:	
Q491	cs2cx.place of death
Wave 5 Exit:	
R525	cs2cx.place of death
Wave 6 Exit:	
SA124	location of death
Wave 7 Exit:	
TA124	location of death
Wave 8 Exit:	
UA124	location of death
Wave 9 Exit:	

VA124	location of death
Wave 10 Exit:	
WA124	location of death
Wave 11 Exit:	
XA124	location of death
Wave 12 Exit:	
YA124	location of death

Geographic Division of Death

Wave Variable	Label	Type
0A RADDIV	raddiv: r death geographic division	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADDIV	12923	4.65	2.37	1.00	12.00

Categorical Variable Codes

Value-----	RADDIV
.d:dk	10
.m:missing	18
.r:refuse	1
1.new england division	925
2.middle atlantic division	1758
3.east north central divisi	2272
4.west north central divisi	1248
5.south atlantic division	3034
6.east south central divisi	590
7.west south central divisi	1230
8.mountain division	438
9.pacific division	1377
11.foreign country	50
12.other	1

How Constructed:

RADDIV indicates the division of the United States where the respondent died, as reported by the proxy. RADDIV is coded as follows: 1.New England division, 2.Middle Atlantic division, 3.East North Central division, 4.West North Central division, 5.South Atlantic division, 6.East South Central division, 7.West South Central division, 8.Mountain division, 9.Pacific division, 10.in US, but unknown state, 11.Foreign country, 12.Other. RADDIV is coded as 1 if the proxy reports that the respondent died in Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, or Connecticut. RADDIV is coded as 2 if the proxy reports that the respondent died in New York, New Jersey, or Pennsylvania. RADDIV is coded as 3 if the proxy reports that the respondent died in Ohio, Indiana, Illinois, Michigan, or Wisconsin. RADDIV is coded as 4 if the proxy reports that the respondent died in Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, or Kansas. RADDIV is coded as 5 if the proxy reports that the respondent died in Delaware, Maryland, Washington DC, Virginia, West Virginia, North Carolina, South Carolina, Georgia, or Florida. RADDIV is coded as 6 if the proxy reports that the respondent died in Kentucky, Tennessee, Alabama, or Mississippi. RADDIV is coded as 7 if the proxy reports that the respondent died in Arkansas, Louisiana, Oklahoma, or Texas. RADDIV is coded as 8 if the proxy reports that the respondent died in Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, or Nevada. RADDIV is coded as 9 if the proxy reports that the respondent died in Washington, Oregon, California, Alaska, or Hawaii. RADDIV is coded as 10 if the proxy reports that the respondent died in the US, but the state is unknown. RADDIV is coded as 11 if the proxy reports that the respondent died in a foreign country, including US territories. RADDIV is coded as 12 if the proxy reports that the respondent died in some other location. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Please note that while the state of death is asked, the HRS masks this information and releases it as groups of states, which are presented in RADDIV, to protect respondent anonymity.

Cross Wave Differences in HRS

The option of choosing "other" is added beginning in wave 10.

HRS Variables Used:

Wave 2 Exit:	
W6866	s16. state of death (rec
Wave 2A Exit:	
N227M	cs2dx.location - die - masked
Wave 3 Exit:	
P227M	cs2dx.location - die - masked
Wave 4 Exit:	
Q492M	cs2dx.location - region of death - masked
Wave 5 Exit:	
R526M	cs2fx.location - die- masked
Wave 6 Exit:	
SA126M	r died- state - masked
Wave 7 Exit:	
TA126M	r died- state - masked
Wave 8 Exit:	
UA126M	r died- state - masked
Wave 9 Exit:	
VA126M	r died- state - masked
Wave 10 Exit:	
WA126M	r died- state - masked
Wave 11 Exit:	
XA126M	r died- state - masked
Wave 12 Exit:	
YA126M	r died- state - masked

Whether Death was Expected

Wave Variable	Label	Type
0A RADEXPEC	radexpec: r death expected	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADEXPEC	12712	1.45	0.55	1.00	3.00

Categorical Variable Codes

Value-----	RADEXPEC
.d:dk	53
.m:missing	12
.q:not asked this wave	174
.r:refuse	1
1.expected	7349
2.unexpected	5017
3.other	346

How Constructed:

RADEXPEC indicates whether the respondent's death was expected or unexpected, as reported by the proxy. The proxy is asked, "Was the death expected at about the time it occurred, or was it unexpected?" RADEXPEC is coded as follows: 1.expected, 2.unexpected, 3.other. This question is not asked in HRS wave 2, and so RADEXPEC is coded as special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

The question on the expectation of death is not asked in HRS wave 2, but is asked in AHEAD wave 2 and HRS wave 3 and onward.

HRS Variables Used:

Wave 2A Exit:	
N233	cs2jx.expected death?
Wave 3 Exit:	
P233	cs2jx.expected death?
Wave 4 Exit:	
Q496	cs2jx.expected death?
Wave 5 Exit:	
R530	cs2jx.expected death?
Wave 6 Exit:	
SA131	death expected/unexpected
Wave 7 Exit:	
TA131	death expected/unexpected
Wave 8 Exit:	
UA131	death expected/unexpected
Wave 9 Exit:	
VA131	death expected/unexpected
Wave 10 Exit:	
WA131	death expected/unexpected
Wave 11 Exit:	
XA131	death expected/unexpected
Wave 12 Exit:	

YA131 death expected/unexpected

Main Cause of Death

Wave	Variable	Label	Type
0A	RACOD_H	racod_h: disease that caused r's death	Categ
0A	RAGCOD	ragcod: grouped disease that caused r's death	Categ
0A	RACODCNCR	racodcncr: cancer caused r's death	Categ
0A	RACODCRDO	racodcrdo: cardiovascular disease caused r's death	Categ
0A	RACODOTHR	racodothr: other disease caused r's death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RACOD_H	12487	4.78	3.37	1.00	13.00
RAGCOD	12494	2.14	0.78	1.00	3.00
RACODCNCR	12513	0.26	0.44	0.00	1.00
RACODCRDO	12513	0.42	0.49	0.00	1.00
RACODOTHR	12513	0.46	0.50	0.00	1.00

Categorical Variable Codes

Value	RACOD_H
.c:not a health condition	121
.d:dk	247
.m:missing	37
.n:none	47
.r:refuse	13
1.cancers, tumors	3049
2.skin conditions	19
3.musculoskeletal system, c	144
4.heart, circulatory, blood	4647
5.allergies, hayfever, sinu	1423
6.endocrine, metabolic, nut	435
7.digestive system (stomach	890
8.neurological, sensory con	262
9.reproductive system, pros	6
10.emotional, psychological	45
11.miscellaneous	405
12.other symptoms	529
13.other health conditon	633

Value	RAGCOD
.c:not a health condition	114
.d:dk	247
.m:missing	37
.n:none	47
.r:refuse	13
1.cancer	3049
2.cardiovascular	4647
3.other	4798

Value	RACODCNCR
.c:not a health condition	98
.d:dk	246
.m:missing	37
.n:none	46
.r:refuse	12

0.no		9286
1.yes		3227
Value-----		RACODCRDO
.c:not a health condition		98
.d:dk		246
.m:missing		37
.n:none		46
.r:refuse		12
0.no		7312
1.yes		5201
Value-----		RACODOTHR
.c:not a health condition		98
.d:dk		246
.m:missing		37
.n:none		46
.r:refuse		12
0.no		6774
1.yes		5739

How Constructed:

RACOD_H indicates the respondent's specific main cause of death. The proxy is asked the following open-ended question, "What was the major illness that led to (her/his) death?" The illnesses reported are then recoded and released according to the Health Conditions Master Code by the HRS. Please note that the proxy is able to report 4 major illnesses in HRS wave 2, and in all other waves the proxy is able to report 2 major illnesses that led to the respondent's death, though the majority only report one, and this variable only takes into account the first report of cause of death in all waves. RACOD_H is coded as follows: 1.cancers, tumors; 2.skin conditions; 3.musculoskeletal system, connective tissue conditions; 4.heart, circulatory, blood conditions; 5.allergies, hayfever, sinusitis, tonsillitis; 6.endocrine, metabolic, nutritional conditions; 7.digestive system (stomach, liver, gallbladder, kidney, bladder) conditions; 8.neurological, sensory conditions; 9.reproductive system, prostate conditions; 10.emotional, psychological conditions; 11.miscellaneous; 12.other symptoms; 13.other health condition. RACOD_H is assigned special missing .c if the proxy reports that the respondent's cause of death was not a health condition. RACOD_H is assigned special missing .n if the proxy reports that the respondent's cause of death was "none". Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAGCOD indicates the respondent's grouped main cause of death. Please note that the proxy is able to report 4 major illnesses in HRS wave 2, and in all other waves the proxy is able to report 2 major illnesses that led to the respondent's death, though the majority only report one, and this variable only takes into account the first report of cause of death in all waves. RAGCOD is coded as follows: 1.cancer, 2.cardiovascular, 3.other. RAGCOD is coded as 1 if the proxy reports that the respondent died as a result of cancers and tumors. RAGCOD is coded as 2 if the proxy reports that the respondent died as a result of heart, circulatory and blood conditions. RAGCOD is coded as 3 if the proxy reports that the respondent died as a result of skin conditions; musculoskeletal system and connective tissue conditions; allergies, hayfever, sinusitis, tonsillitis; endocrine, metabolic and nutritional conditions; digestive system (stomach, liver, gallbladder, kidney, bladder) conditions; neurological and sensory conditions; reproductive system and prostate conditions; emotional and psychological conditions; miscellaneous; other symptoms; or other health condition. RAGCOD is assigned special missing .c if the proxy reports that the respondent's cause of death was not a health condition. RAGCOD is assigned special missing .n if the proxy reports that the respondent's cause of death was "none". Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RACODCNCR, RACODCRDO, and RACODOTHR indicate whether the respondent's cause of death included cancer, cardiovascular disease, or other conditions. These variables take into account all causes of death reported by the proxy. RACODCNCR is coded as 0 if cancer was not mentioned as a cause of death, and is coded as 1 if cancer was mentioned as a cause of death. RACODCRDO is coded as 0 if cardiovascular disease was not mentioned as a cause of death, and is coded as 1 if cardiovascular disease was mentioned as a cause of death. RACODOTHR is coded as 0 if another health condition was not mentioned as a cause of death, and is coded as 1 if another

health condition was mentioned as a cause of death. These other conditions include: skin conditions; musculoskeletal system and connective tissue conditions; allergies, hayfever, sinusitis, tonsillitis; endocrine, metabolic and nutritional conditions; digestive system (stomach, liver, gallbladder, kidney, bladder) conditions; neurological and sensory conditions; reproductive system and prostate conditions; emotional and psychological conditions; miscellaneous; other symptoms; or other health condition. RACODCNCR, RACODCRDO, and RACODOTHR are assigned special missing .c if the proxy reports that the respondent's cause of death was not a health condition. RACODCNCR, RACODCRDO, and RACODOTHR are assigned special missing .n if the proxy reports that the respondent's cause of death was "none". Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

The proxy is able to report 4 major illnesses in HRS wave 2 (although a maximum of 3 was reported), and in all other waves the proxy is able to report 2 major illnesses that led to the respondent's death.

HRS wave 2 uses a different coding system for causes of death than all of the following waves. The values of this variable have been assigned codes corresponding to the appropriate group. For more information on how causes of death are assigned values, please see "Health and Retirement Study 2006 Exit, Final, Version 1.0 October 2008: Data Description and Usage".

HRS Variables Used:

Wave 2 Exit:		
W6867	s17.cause of death	:1
W6868	s17.cause of death	:2
W6869	s17.cause of death	:3
Wave 2A Exit:		
N234M1M	cause of death - masked	
N234M2M	cause of death - masked	
Wave 3 Exit:		
P234M1M	cs2kx.cause of death - masked	
P234M2M	cs2kx.cause of death - masked	
Wave 4 Exit:		
Q497M1M	cs2kx. cause of death - masked -1	
Q497M2M	cs2kx. cause of death - masked -2	
Wave 5 Exit:		
R531M1M	cs2kx. cause of death- 1- masked	
R531M2M	cs2kx. cause of death- 2- masked	
Wave 6 Exit:		
SA133M1M	cause of death-masked- 1	
SA133M2M	cause of death-masked- 2	
Wave 7 Exit:		
TA133M1M	cause of death-masked- 1	
TA133M2M	cause of death-masked- 2	
Wave 8 Exit:		
UA133M1M	cause of death-masked- 1	
UA133M2M	cause of death-masked- 2	
Wave 9 Exit:		
VA133M1M	cause of death-masked- 1	
VA133M2M	cause of death-masked- 2	
Wave 10 Exit:		
WA133M1M	cause of death-masked- 1	
WA133M2M	cause of death-masked- 2	
Wave 11 Exit:		
XA133M1M	cause of death-masked- 1	
XA133M2M	cause of death-masked- 2	
Wave 12 Exit:		
YA133M1M	cause of death-masked- 1	
YA133M2M	cause of death-masked- 2	

Duration of Final Illness

Wave Variable	Label	Type
0A RADDUR	raddur: r duration final illness/death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADDUR	12347	4.10	1.56	1.00	6.00

Categorical Variable Codes

Value-----	RADDUR
.d:dk	240
.m:missing	12
.q:not asked this wave	174
.r:refuse	9
.s:skipped	170
1.no warning, 1-2 hrs	1207
2.less than 1 day	835
3.less than 1 week	2013
4.less than 1 month	2424
5.less than 1 year	3186
6.more than 1 year	2682

How Constructed:

RADDUR indicates the duration of the respondent's final illness. The proxy is asked, "About how long was it between the start of the final illness and the death?" RADDUR is coded as follows: 1.no warning, 1-2 hrs, 2.less than 1 day, 3.less than 1 week, 4.less than 1 month, 5.less than 1 year, 6.more than 1 year. This question is asked starting in HRS wave 3 or AHEAD wave 2 (both considered wave 3 in this dataset), so RADDUR for HRS wave 2 is assigned special missing .q. Only in HRS wave 3, this question is not asked if the proxy reports that the respondent had no other major illnesses since the previous interview before death, in which case RADDUR is assigned special missing .s. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

The duration of the final illness that led to death is asked starting in HRS wave 3 or AHEAD wave 2.

Only in HRS wave 3, this question is not asked if the proxy reports that the respondent had no other major illnesses since the previous interview before death. These wave 3 cases have been coded with special missing .s, as the question was skipped in this wave.

HRS Variables Used:

Wave 2 Exit:	
W6855	s10.ill >3 months
Wave 2A Exit:	
N235	cs2mx.time to death
Wave 3 Exit:	
P235	cs2nx.illnesses
P237	cs2mx.time to death
Wave 4 Exit:	
Q500	cs2mx.time to death
Wave 5 Exit:	
R532	cs2mx.time to death

Wave 6 Exit:	
SA134	duration final illness/death
Wave 7 Exit:	
TA134	duration final illness/death
Wave 8 Exit:	
UA134	duration final illness/death
Wave 9 Exit:	
VA134	duration final illness/death
Wave 10 Exit:	
WA134	duration final illness/death
Wave 11 Exit:	
XA134	duration final illness/death
Wave 12 Exit:	
YA134	duration final illness/death

Relationship Status at Death

Wave	Variable	Label	Type
0A	RADMARR	radmarr: r married at death	Categ
0A	RADMARRP	radmarrp: r married/partnered at death	Categ
0A	RASMSPOUS	rasmspous: r whether same spouse/partner as previous wave	Categ
0A	RASPALIV	raspaliv: r whether previous wave spouse/partner is alive	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADMARR	12950	0.43	0.49	0.00	1.00
RADMARRP	12950	0.45	0.50	0.00	1.00
RASMSPOUS	5954	0.93	0.25	0.00	1.00
RASPALIV	5905	0.94	0.23	0.00	1.00

Categorical Variable Codes

Value-----	RADMARR
.m:missing	2
0.no	7426
1.yes	5524

Value-----	RADMARRP
.m:missing	2
0.no	7165
1.yes	5785

Value-----	RASMSPOUS
.m:missing	15
.q:not asked this wave	174
.u:unmarried/unpartnered	6809
0.no	390
1.yes	5564

Value-----	RASPALIV
.m:missing	64
.q:not asked this wave	174
.u:unmarried/unpartnered	6809
0.no	341
1.yes	5564

How Constructed:

RADMARR indicates whether the respondent was married at the time of their death. RADMARRP indicates whether the respondent was married or partnered at the time of their death. In HRS wave 2, RADMARR and RADMARRP are taken from a single question ascertaining the respondent's relationship status at death. Starting in HRS wave 3 and AHEAD wave 2, RADMARR and RADMARRP are taken from several questions ascertaining the respondent's relationship status at death. RADMARR and RADMARRP are coded as 0 if the respondent was not married or married/partnered, respectively, at the time of their death. RADMARR and RADMARRP are coded as 1 if the proxy reports that the respondent was married or married/partnered, respectively, at the time of their death in at least one of the questions concerning relationship status. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RASMSPOUS indicates whether the respondent's spouse/partner at death was the same spouse as in the previous core wave. Starting in HRS wave 3 and AHEAD wave 2, this information is taken from a direct question asking whether the spouse/partner from the previous wave was still the respondent's spouse/partner at death. RASMSPOUS is coded as 0 if the respondent's spouse/partner at death was not the same spouse/partner as in the previous core wave. RASMSPOUS is coded as 1 if the respondent's spouse/partner at death was the same spouse/partner as in the previous core wave. RASMSPOUS is assigned special missing .u if the respondent was not married or partnered at the previous interview in all other waves. This question is not asked directly in HRS wave 2 and so is assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RASPALIV indicates whether the respondent's spouse/partner from the previous core wave was still alive at the time of the respondent's death. Starting in HRS wave 3 and AHEAD wave 2, this information is taken from a direct question asking whether the spouse/partner from the previous wave was still living at the time of the respondent's death. RASPALIV is coded as 0 if the respondent's spouse/partner was no longer alive at the time of the respondent's death. RASPALIV is coded as 1 if the respondent's spouse/partner was still alive at the time of the respondent's death. RASPALIV is assigned special missing .u if the respondent was not married or partnered in the previous core wave. This question is not asked directly in HRS wave 2 and so is assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2, a single question is asked to ascertain the respondent's relationship status at death. Starting in HRS wave 3 and AHEAD wave 2, several questions are asked to ascertain the respondent's relationship status at death. Starting in wave 4, these questions are combined to form a variable of coupleness status within the CAPI module, and this variable is used to assign values for RADMARR and RADMARRP in wave 4 and onward.

In HRS wave 2, questions determining whether the previous spouse/partner was still the respondent's spouse/partner at the time of death, and whether the respondent's spouse/partner from the previous wave was still living at the time of the respondent's death are not asked. In all other waves, direct questions are asked to the proxy to ascertain this information.

In HRS waves 3 and 4 and AHEAD wave 2, the proxy is only asked if the spouse was still living if the respondent had no longer been married or partnered to their previous wave spouse/partner, which has been taken into account for the coding of this variable.

HRS Variables Used:

Wave 2 Exit:

AMARSTAT	1992 marital status
W200	a1. marital status
W201	a2. marriage start after

Wave 2A Exit:

N240	cs4x.r same sp/p
N241	cs5x.sp/p alive
N244	cs7x.w1 couple new sp
N245	cs8x.w1 couple partner
N247	cs9x.w1 only new sp
N248	cs10x.w1 only new partner

Wave 3 Exit:

P240	cs4x.r same sp/p
P241	cs5x.sp/p alive
P244	cs7x.w1 couple new sp
P245	cs8x.w1 couple partner
P247	cs9x.w1 only new sp
P248	cs10x.w1 only new partner

Wave 4 Exit:

Q36	r marital stat
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Q506          cs5x.preload spouse/p alive
Q548          cs15d.current coupleness
Wave 5 Exit:
R178          pr178.virgin r coupleness
R543          cs4x.1st r same spouse/p
R545          cs5x.preload spouse/p alive
R597          cs15d.current coupleness
Wave 6 Exit:
SA020         1st r same sp/p
SA023         previous wave sp/p alive
SA038         current coupleness
SZ066_R       prev wave coupleness status r
Wave 7 Exit:
TA020         1st r same sp/p
TA023         previous wave sp/p alive
TA038         current coupleness
TZ066_R       coupleness status r
Wave 8 Exit:
UA020         1st r same sp/p
UA023         previous wave sp/p alive
UA038         current coupleness
UZ066_R       coupleness status r
Wave 9 Exit:
VA020         1st r same sp/p
VA023         previous wave sp/p alive
VA038         current coupleness
VZ066_R       coupleness status r
Wave 10 Exit:
WA020         1st r same sp/p
WA023         previous wave sp/p alive
WA038         current coupleness
WZ066_R       coupleness status r
Wave 11 Exit:
XA020         1st r same sp/p
XA023         previous wave sp/p alive
XX065_R       coupleness status r - updated
XZ066_R       coupleness status r
Wave 12 Exit:
YA020         1st r same sp/p
YA023         previous wave sp/p alive
YX065_R       coupleness status r - updated
YZ066_R       coupleness status r
```

Living Location Prior to Death

Wave	Variable	Label	Type
0A	RADLIVNH	radlivnh: r whether lived in nursing home prior to death	Categ
0A	RAMVHLP	ramvhlp: r moved into someone's house for help	Categ
0A	RALVHLP	ralvhlp: # weeks r lived in other person's home	Cont
0A	RALVHLPD	ralvhlpd: duration r lived in other person's home	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADLIVNH	12777	0.36	0.52	0.00	2.00
RAMVHLP	12716	0.05	0.21	0.00	1.00
RALVHLP	414	32.98	47.15	1.00	344.00
RALVHLPD	414	3.99	0.65	3.00	5.00

Categorical Variable Codes

Value-----	RADLIVNH
.d:dk	1
.q:not asked this wave	174
0.no	8417
1.yes,nursing home	4088
2.yes,hospice	272

Value-----	RAMVHLP
.d:dk	50
.q:not asked this wave	174
.r:refuse	12
0.no	12120
1.yes	596

Value-----	RALVHLPD
.d:dk	24
.m:missing	220
.q:not asked this wave	174
.x:not applicable	12120
3.less than 1 month	90
4.less than 1 year	237
5.more than 1 year	87

How Constructed:

RADLIVNH indicates whether the respondent was living in a nursing home or other health care facility at the time of their death. RADLIVNH is coded as follows: 0.no, 1.yes, nursing home, 2.yes, hospice. RADLIVNH is coded as 0 if the respondent was not living in a nursing home or other health care facility at the time of their death. RADLIVNH is coded as 1 if the respondent was living in a nursing home or other long term care facility at the time of their death. RADLIVNH is coded as 2 if the respondent was living in a hospice facility at the time of their death. In wave 10, the proxy is only asked whether the respondent lived in a nursing home, hospice is not an option and no instructions are given for the interviewer in the event that the proxy reports that the respondent lived in a hospice facility. Starting in wave 11, the proxy is only asked whether the respondent lived in a nursing home and the interviewer is given instructions to code the answer as "no" if the respondent was receiving hospice care. This question is not asked in HRS wave 2, and so RADLIVNH is assigned special missing .q in

this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAMVHLP indicates whether the respondent moved into and then out of someone else's house or apartment since the last interview or in the two years preceding death. RAMVHLP is coded as 0 if the respondent did not move into and then out of someone else's house or apartment since the last interview. RAMVHLP is coded as 1 if the respondent did move into and then out of someone else's house or apartment since the last interview. This question is not asked in HRS wave 2, and so RAMVHLP is assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RALVHLP indicates how many weeks the respondent lived in someone else's house or apartment since the last interview or in the two years preceding death. This information is originally collected in either weeks or months, and the month values have been multiplied by 4.3 and rounded to the nearest whole number to provide the value in weeks in RALVHLP. RALVHLPD indicates the amount of time the respondent lived in someone else's house or apartment since the last interview, and is a categorized version of RALVHLP. RALVHLPD is coded as follows: 3.less than 1 month, 4.less than 1 year, 5.more than 1 year. RALVHLPD is coded as 2 if the respondent spent 0 weeks living in someone else's house. RALVHLPD is coded as 3 if the respondent spent 1 to 4 weeks living in someone else's house. RALVHLPD is coded as 4 if the respondent spent 5 to 51 weeks living in someone else's house. RALVHLPD is coded as 5 if the respondent spent 52 or more weeks living in someone else's house. RALVHLP and RALVHLPD are assigned special missing .x if the respondent did not move into and then out of someone else's house or apartment in the two years preceding death. This question is not asked in HRS wave 2, and so RALVHLP and RALVHLPD are assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

Questions pertaining to whether the respondent lived in a nursing home or hospice facility at the time of death, whether the respondent moved into and then out of someone else's house or apartment in the two years preceding death, and how long the respondent lived in someone else's house or apartment are not asked in HRS wave 2. These questions are asked starting in HRS wave 3 and AHEAD wave 2 (both considered wave 3 in this dataset), and onward.

When asked if the respondent lived in a nursing home at the time of death, the proxy has an option of saying that the respondent lived in a hospice facility in AHEAD wave 2 and HRS waves 3 through 9. In wave 10, the proxy is only asked whether the respondent lived in a nursing home, hospice is not an option and no instructions are given for the interviewer in the event that the proxy reports that the respondent lived in a hospice facility. Starting in wave 11, the proxy is only asked whether the respondent lived in a nursing home and the interviewer is given instructions to code the answer as "no" if the respondent was receiving hospice care.

Please note that up to and including wave 11 questions asks about receiving care in a hospice facility, whereas starting in wave 12 questions are asked about receiving hospice care in an alternative location.

HRS Variables Used:

Wave 2A Exit:

N249	cs11.r-where live
N588	cs52x.r moved in
N594	cs53cx.weeks/months stay
N595	cs53cax.weeks/months

Wave 3 Exit:

P249	cs11.r-where live
P606	cs52x.r moved in
P612	cs53cx.weeks/months stay
P613	cs53cax.weeks/months

Wave 4 Exit:

Q519	cs11.r in nursing home
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Q912 cs52x.r moved in
Q918 cs53cx.time stayed
Q919 cs53cax.weeks/months

Wave 5 Exit:
R1002 cs53cx.weeks/months stay
R1003 cs53cax.weeks/months
R558 cs11.r in nursing home
R996 cs52x.r moved in

Wave 6 Exit:
SA028 r in nursing home
SA142 r move in/out before death
SA146 duration r stayed w/ child
SA147 duration r stayed w/ child- period

Wave 7 Exit:
TA142 r move in/out before death
TA146 duration r stayed w/ child
TA147 duration r stayed w/ child- period
TA167 r in nursing home

Wave 8 Exit:
UA142 r move in/out before death
UA146 duration r stayed w/ child
UA147 duration r stayed w/ child- period
UA167 r in nursing home

Wave 9 Exit:
VA142 ex r moved in
VA146 ex r stay with person how many weeks/months
VA147 ex r stay with person unit how many weeks/months
VA167 r in nursing home

Wave 10 Exit:
WA028 r in nursing home
WA142 ex r moved in
WA146 ex r stay with person how many weeks/months
WA147 ex r stay with person unit how many weeks/months

Wave 11 Exit:
XA028 r in nursing home
XA142 ex r moved in
XA146 ex r stay with person how many weeks/months
XA147 ex r stay with person unit how many weeks/months

Wave 12 Exit:
YA028 r in nursing home
YA142 ex r moved in
YA146 ex r stay with person how many weeks/months
YA147 ex r stay with person unit how many weeks/months

Section B: Health

Doctor Diagnosed Conditions: Cancer

Wave	Variable	Label	Type
0A	RALCANCRE	ralcancre: r ever had cancer as of last ivw	Categ
0A	RAXCANCRF	raxcancrf: r dispute flag previous cancer	Categ
0A	RAXCANCNCR	raxcancnr: r new report of cancer since last ivw	Categ
0A	RAXCANCRE	raxcancre: r ever had cancer in lifetime	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RALCANCRE	12918	0.25	0.44	0.00	1.00
RAXCANCRF	12778	0.02	0.21	0.00	2.00
RAXCANCNCR	12838	0.12	0.33	0.00	1.00
RAXCANCRE	12845	0.38	0.49	0.00	1.00

Categorical Variable Codes

Value	RALCANCRE
.d:dk	11
.m:missing	21
.r:refuse	2
0.no	9643
1.yes	3275

Value	RAXCANCRF
.q:not asked this wave	174
0.no dispute	12630
1.disp prv wv, did have	13
2.disp prv wv, did not have	135

Value	RAXCANCNCR
.d:dk	107
.m:missing	4
.r:refuse	3
0.no	11238
1.yes	1600

Value	RAXCANCRE
.d:dk	105
.r:refuse	2
0.no	7963
1.yes	4882

How Constructed:

RALCANCRE indicates whether the deceased respondent had ever been told by a doctor that he/she had cancer or a malignant tumor, excluding minor skin cancer, in his/her last completed core interview. RALCANCRE is based on RWCANCRE in the RAND HRS and is taken from the last core wave completed. RALCANCRE is coded as 0 if the respondent reported never having been diagnosed with cancer, and is coded as 1 if the respondent reported being diagnosed with cancer. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXCANCRF indicates whether the exit interview proxy disputes the respondent's previous report of a cancer diagnosis. RAXCANCRF is coded as 0 if the proxy did not dispute the

respondent's previous report of a cancer diagnosis. RAXCANCRF is coded as 1 if the proxy disputes the previous report of a cancer diagnosis, but reports that the respondent did have cancer since the last interview. RAXCANCRF is coded as 2 if the proxy disputes the previous report of a cancer diagnosis and reports that the respondent did not have cancer. RAXCANCRF is coded as special missing .q in HRS wave 2 because the proxy was not able to dispute the previous wave's report. In AHEAD wave 2 and HRS waves 3 and 4 the proxy can only dispute the previous report of a cancer diagnosis by reporting that the respondent did not have cancer. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Please note that the dispute of a previously reported cancer diagnosis does not impact values for RWCANCRE in the RAND HRS or RALCANCRE in the Harmonized HRS End of Life.

RAXCANCRCR indicates whether the respondent was diagnosed with cancer between the last completed core interview and the respondent's exit interview. RAXCANCRCR is coded as 0 if the respondent had never been diagnosed with cancer from his/her last completed core wave or from the exit interview, or if the respondent had ever been diagnosed with cancer in his/her last completed core wave. RAXCANCRCR is coded as 1 if the respondent had never been diagnosed with cancer from his/her last completed core wave and the proxy reports a cancer diagnosis for the respondent in the exit interview. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXCANCRCRE indicates whether the deceased respondent had ever been told by a doctor that he/she had cancer or a malignant tumor, excluding minor skin cancer, as reported by the proxy in the HRS exit interview. RAXCANCRCRE is based on questions asked to the proxy in the exit interview, and carries forward positive responses from RALCANCRE. RAXCANCRCRE is coded as 0 if the proxy reports that the respondent never had cancer, or if, starting in HRS wave 3 and AHEAD wave 2, the proxy reports that the respondent's previous report of cancer was incorrect and the respondent did not have cancer. RAXCANCRCRE is coded as 1 if the proxy reports that the respondent had cancer, or if, starting in wave 5, the proxy reports that the respondent's previous report of cancer was incorrect but the respondent did have cancer. We assume that the respondent has better knowledge of their health history than a proxy, and so RAXCANCRCRE is coded as 1 if RALCANCRE is coded as 1, regardless of the response from the exit interview proxy. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is not able to dispute the previous report of a cancer diagnosis. In AHEAD wave 2 and HRS waves 3 and 4, the proxy is only able to dispute the previous positive report of a cancer diagnosis, and report that the respondent did not have cancer in previous waves. These differences impact the coding of RAXCANCRCRF, RAXCANCRCR, and RAXCANCRCRE for these waves.

For any differences in the construction of RWCANCRE, which is used to create RALCANCRE, please see "Doctor diagnosed health problems: Ever Have Condition" in the RAND HRS Longitudinal File codebook.

HRS Variables Used:

RAND HRS:

R10CANCRE	r10cancre:w10	r	ever had cancer
R11CANCRE	r11cancre:w11	r	ever had cancer
R1CANCRE	r1cancre:w1	r	ever had cancer
R2CANCRE	r2cancre:w2	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 2 Exit:	
W340	b9a.new cancers since w1
W399	b25a-g.health problems
Wave 2A Exit:	
N801	b5.cancer
Wave 3 Exit:	
P788	b5.cancer
Wave 4 Exit:	
Q1129	b5.cancer
Wave 5 Exit:	
R1174	b5.cancer
Wave 6 Exit:	
SC018	cancer of any kind excluding skin
Wave 7 Exit:	
TC018	cancer of any kind excluding skin
Wave 8 Exit:	
UC018	cancer of any kind excluding skin
Wave 9 Exit:	
VC018	cancer of any kind excluding skin
Wave 10 Exit:	
WC018	cancer of any kind excluding skin
Wave 11 Exit:	
XC018	cancer of any kind excluding skin
Wave 12 Exit:	
YC018	cancer of any kind excluding skin

Doctor Diagnosed Conditions: Lung Disease

Wave	Variable	Label	Type
0A	RALLUNGE	rallunge: r ever had lung disease as of last ivw	Categ
0A	RAXLUNGF	raxlungf: r dispute flag previous lung disease	Categ
0A	RAXLUNG	raxlung: r new report of lung disease since last ivw	Categ
0A	RAXLUNGE	raxlunge: r ever had lung disease in lifetime	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RALLUNGE	12918	0.21	0.41	0.00	1.00
RAXLUNGF	12778	0.02	0.22	0.00	2.00
RAXLUNG	12804	0.06	0.24	0.00	1.00
RAXLUNGE	12811	0.27	0.44	0.00	1.00

Categorical Variable Codes

Value	RALLUNGE
.d:dk	16
.m:missing	17
.r:refuse	1
0.no	10234
1.yes	2684

Value	RAXLUNGF
.q:not asked this wave	174
0.no dispute	12619
1.disp prv wv, did have	4
2.disp prv wv, did not have	155

Value	RAXLUNG
.d:dk	141
.m:missing	4
.r:refuse	3
0.no	12017
1.yes	787

Value	RAXLUNGE
.d:dk	138
.r:refuse	3
0.no	9333
1.yes	3478

How Constructed:

RALLUNGE indicates whether the deceased respondent had ever been told by a doctor that he/she had chronic lung disease, such as chronic bronchitis or emphysema, in his/her last completed core interview. RALLUNGE is based on RwlUNGE in the RAND HRS and is taken from the last core wave completed. RALLUNGE is coded as 0 if the respondent reported never having been diagnosed with chronic lung disease, and is coded as 1 if the respondent reported being diagnosed with chronic lung disease. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXLUNGF indicates whether the exit interview proxy disputes the respondent's previous report of a chronic lung disease diagnosis. RAXLUNGF is coded as 0 if the proxy did not dispute the

respondent's previous report of a chronic lung disease diagnosis. RAXLUNGF is coded as 1 if the proxy disputes the previous report of a chronic lung disease diagnosis, but reports that the respondent did have chronic lung disease since the last interview. RAXLUNGF is coded as 2 if the proxy disputes the previous report of a chronic lung disease diagnosis and reports that the respondent did not have chronic lung disease. RAXLUNGF is coded as special missing .q in HRS wave 2 because the proxy was not able to dispute the previous wave's report. In AHEAD wave 2 and HRS waves 3 and 4 the proxy can only dispute the previous report of a cancer diagnosis by reporting that the respondent did not have a chronic lung disease diagnosis. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Please note that the dispute of a previously reported chronic lung disease diagnosis does not impact values for RwlUNGE in the RAND HRS, or for RALLUNGE in the Harmonized HRS End of Life.

RAXLUNG indicates whether the respondent was diagnosed with chronic lung disease between the last completed core interview and the respondent's exit interview. RAXLUNG is coded as 0 if the respondent had never been diagnosed with chronic lung disease from his/her last completed core wave or from the exit interview, or if the respondent had ever been diagnosed with chronic lung disease in his/her last completed core wave. RAXLUNG is coded as 1 if the respondent had never been diagnosed with chronic lung disease from his/her last completed core wave and the proxy reports a chronic lung disease diagnosis for the respondent in the exit interview. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXLUNGE indicates whether the deceased respondent had ever been told by a doctor that he/she had chronic lung disease, such as chronic bronchitis or emphysema, as reported by the proxy. RAXLUNGE is based on questions asked to the proxy in the exit interview, and carries forward positive responses from RALLUNGE. RAXLUNGE is coded as 0 if the proxy reports that the respondent never had chronic lung disease, or if, starting in HRS wave 3 and AHEAD wave 2, the proxy reports that the respondent's previous report of chronic lung disease was incorrect and the respondent did not have chronic lung disease. RAXLUNGE is coded as 1 if the proxy reports that the respondent had chronic lung disease, or if, starting in wave 5, the proxy reports that the respondent's previous report of chronic lung disease was incorrect but the respondent did have chronic lung disease. We assume that the respondent has better knowledge of their health history than a proxy, and so RAXLUNGE is coded as 1 if RALLUNGE is coded as 1, regardless of the response from the exit interview proxy. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is not able to dispute the previous report of a chronic lung disease diagnosis. In AHEAD wave 2 and HRS waves 3 and 4, the proxy is only able to dispute the previous positive report of a chronic lung disease diagnosis, and report that the respondent did not have chronic lung disease in previous waves. These differences impact the coding of RAXLUNGF, RAXLUNG, and RAXLUNGE for these waves.

For any differences in the construction of RwlUNGE, which is used to create RALLUNGE, please see "Doctor diagnosed health problems: Ever Have Condition" in the RAND HRS Longitudinal File codebook.

HRS Variables Used:

RAND HRS:

R10LUNGE	r10lunge:w10	r	ever had lung disease
R11LUNGE	r11lunge:w11	r	ever had lung disease
R1LUNGE	r1lunge:w1	r	ever had lung disease
R2LUNGE	r2lunge:w2	r	ever had lung disease
R3LUNGE	r3lunge:w3	r	ever had lung disease
R4LUNGE	r4lunge:w4	r	ever had lung disease
R5LUNGE	r5lunge:w5	r	ever had lung disease
R6LUNGE	r6lunge:w6	r	ever had lung disease
R7LUNGE	r7lunge:w7	r	ever had lung disease

R8LUNGE	r8lunge:w8 r ever had lung disease
R9LUNGE	r9lunge:w9 r ever had lung disease
Wave 2 Exit:	
W362	b14.chronic lung disease
Wave 2A Exit:	
N818	b6.lung
Wave 3 Exit:	
P805	b6. lung
Wave 4 Exit:	
Q1146	b6. lung
Wave 5 Exit:	
R1191	b6. lung
Wave 6 Exit:	
SC030	lung disease
Wave 7 Exit:	
TC030	lung disease
Wave 8 Exit:	
UC030	lung disease
Wave 9 Exit:	
VC030	lung disease
Wave 10 Exit:	
WC030	lung disease
Wave 11 Exit:	
XC030	lung disease
Wave 12 Exit:	
YC030	lung disease

Doctor Diagnosed Conditions: Heart Conditions
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Wave	Variable	Label	Type
0A	RALHEARTE	ralhearte: r ever had heart problems as of last ivw	Categ
0A	RAXHEARTF	raxheartf: r dispute flag previous heart problems	Categ
0A	RAXHEART	raxheart: r new report of heart problems since last ivw	Categ
0A	RAXHEARTE	raxhearte: r ever had heart problems in lifetime	Categ
0A	RAXHRTATT	raxhrtatt: r new report of heart attack since last ivw	Categ
0A	RAXHRTATTE	raxhrtatte: r ever had heart attack in lifetime	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RALHEARTE	12917	0.47	0.50	0.00	1.00
RAXHEARTF	12778	0.03	0.25	0.00	2.00
RAXHEART	12835	0.10	0.30	0.00	1.00
RAXHEARTE	12850	0.57	0.50	0.00	1.00
RAXHRTATT	12603	0.12	0.33	0.00	1.00
RAXHRTATTE	3711	0.31	0.46	0.00	1.00

Categorical Variable Codes

Value-----	RALHEARTE
.d:dk	18
.m:missing	17
0.no	6873
1.yes	6044

Value-----	RAXHEARTF
.g:not asked this wave	174
0.no dispute	12570
1.disp prv wv, did have	8
2.disp prv wv, did not have	200

Value-----	RAXHEART
.d:dk	107
.m:missing	7
.r:refuse	3
0.no	11523
1.yes	1312

Value-----	RAXHEARTE
.d:dk	99
.r:refuse	3
0.no	5533
1.yes	7317

Value-----	RAXHRTATT
.d:dk	326
.m:missing	18
.r:refuse	5
0.no	11071
1.yes	1532

Value-----	RAXHRTATTE
.d:dk	125
.m:missing	33
.q:not asked this wave	9080
.r:refuse	3
0.no	2574
1.yes	1137

How Constructed:

RALHEARTE indicates whether the deceased respondent had ever been told by a doctor that he/she had a heart attack, coronary heart disease, angina, congestive heart failure, or other heart problems, in his/her last completed core interview. RALHEARTE is based on R_wHEARTE in the RAND HRS and is taken from the last core wave completed. RALHEARTE is coded as 0 if the respondent reported never having been diagnosed with heart problems, and is coded as 1 if the respondent reported being diagnosed with heart problems. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXHEARTF indicates whether the exit interview proxy disputes the respondent's previous report of heart problems. RAXHEARTF is coded as 0 if the proxy did not dispute the respondent's previous report of heart problems. RAXHEARTF is coded as 1 if the proxy disputes the previous report of heart problems, but reports that the respondent did have heart problems since the last interview. RAXHEARTF is coded as 2 if the proxy disputes the previous report of heart problems and reports that the respondent did not have heart problems. RAXHEARTF is coded as special missing .q in HRS wave 2 because the proxy was not able to dispute the previous wave's report. In AHEAD wave 2 and HRS waves 3 and 4 the proxy can only dispute the previous report of heart problems by reporting that the respondent did not have heart problems. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Please note that the dispute of previously reported heart problems does not impact values for R_wHEARTE in the RAND HRS or for RALHEARTE in the Harmonized HRS End of Life.

RAXHEART indicates whether the respondent was diagnosed with heart problems between the last completed core interview and the respondent's exit interview. RAXHEART is coded as 0 if the respondent had never been diagnosed with heart problems from his/her last completed core wave or from the exit interview, or if the respondent had ever been diagnosed with heart problems in his/her last completed core wave. RAXHEART is coded as 1 if the respondent had never been diagnosed with heart problems from his/her last completed core wave and the proxy reports a diagnosis of a heart problem for the respondent in the exit interview. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXHEARTE indicates whether the deceased respondent had ever been told by a doctor that he/she had a heart attack, coronary heart disease, angina, congestive heart failure, or other heart problems, as reported by the proxy. RAXHEARTE is based on questions asked to the proxy in the exit interview, and carries forward positive responses from RALHEARTE. RAXHEARTE is coded as 0 if the proxy reports that the respondent never had heart problems, or if, starting in HRS wave 3 and AHEAD wave 2, the proxy reports that the respondent's previous report of heart problems was incorrect and the respondent did not have heart problems. RAXHEARTE is coded as 1 if the proxy reports that the respondent had heart problems, or if, starting in wave 5, the proxy reports that the respondent's previous report of heart problems was incorrect but the respondent did have heart problems. We assume that the respondent has better knowledge of their health history than a proxy, and so RAXHEARTE is coded as 1 if RALHEARTE is coded as 1, regardless of the response from the exit interview proxy. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXHRTATT indicates whether the deceased respondent had a heart attack or myocardial infarction since the last interview or in the last two years before death, as reported by the proxy. RAXHRTATT is based on questions asked to the proxy and reports of diagnoses preloaded for the exit interview, and does not consider R_wHRTATT in the Harmonized HRS. RAXHRTATT is coded as 0 if the proxy reports that the respondent did not have a heart attack or myocardial infarction since the last interview or in the last two years before death. RAXHRTATT is coded

as 1 if the proxy reports that the respondent did have a heart attack or myocardial infarction since the last interview or in the last two years before death. In all waves, this question is not asked if the respondent had no heart problems, in which case RAXHRTATT is coded as 0. In waves 4 and onward, this question is also not asked if the respondent had heart problems but was not taking or carrying medication for a heart problem or had not seen a doctor for his/her heart problem since the last interview or in the last two years before death, in which case RAXHRTATT is coded as 0. In waves 10 and onward, this question is also not asked if the proxy reported that the respondent never had a heart attack, in which case RAXHRTATT is coded as 0. In waves 10 and onward, this question is also not asked if the proxy reported that the respondent had a heart attack and his/her first heart attack occurred between the previous interview date and the exit interview, in which case RAXHRTATT is coded as 1. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXHRTATTE indicates whether the deceased respondent had ever been told by a doctor that he/she had a heart attack. RAXHRTATTE is based on questions asked to the proxy, reports of diagnoses preloaded for the exit interview, and RWHRTATT and RWHRTATTE in the Harmonized HRS. This question is not added to the HRS exit interview until wave 10. Starting in wave 10 of the exit interview, the proxy is asked whether the respondent ever had a heart attack if the proxy reported that the respondent had ever had heart problems. RAXHRTATTE is coded as 0 if the proxy reports that the respondent had never been diagnosed with a heart attack or never had heart problems. RAXHRTATTE is coded as 1 if the proxy reports that the respondent had ever been diagnosed with a heart attack, or if the proxy reports that the respondent had a heart attack since the last interview or in the last two years before death. We assume that the respondent has better knowledge of their health history than a proxy, and so RAXHRTATTE is coded as 1 if the respondent had given a positive answer to ever having been diagnosed with a heart attack or being diagnosed with a heart attack since their last interview in a core interview (RWHRTATTE and RWHRTATT in the Harmonized HRS). RAXHRTATTE is assigned special missing .q in waves 2 through 9, when this question is not asked as part of the exit interview. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is not able to dispute the previous report of heart problems. In AHEAD wave 2 and HRS waves 3 and 4, the proxy is only able to dispute the previous positive report of heart problems, and report that the respondent did not have cancer in previous waves. These differences impact the coding of RAXHEARTF, RAXHEART, and RAXHEARTE for these waves.

In all waves, whether the respondent had a heart attack since the last interview or in the last two years before death is not asked if the respondent had no heart problems. In waves 4 and onward, this question is also not asked if the respondent had heart problems but was not taking or carrying medication for a heart problem or had not seen a doctor for his/her heart problem since the last interview or in the last two years before death. For both cases, RAXHRTATT is set to 0.

In waves 2 through 9 of the HRS Exit interview, proxies are only asked if the respondent had a heart attack since the last interview or in the last two years before death. Starting in wave 10 of the HRS Exit interview, proxies are first asked whether the respondent had ever had a heart attack, and if so, then asked the month and year of the first heart attack, and then asked whether they had a heart attack since the last interview or in the last two years before death. If the proxy reported that the respondent had never had a heart attack, RAXHRTATT is set to 0. If the proxy reported that the respondent had ever had a heart attack and his/her first heart attack occurred between the previous interview date and the exit interview, then the proxy is not asked if the respondent had a heart attack since the last interview or in the last two years before death and RAXHRTATT is set to 1.

In the core HRS interviews, respondents are asked whether they have ever had a heart attack in waves 1, 2 and starting in wave 10, and they are asked whether they have had a heart attack in the last two years or since the last interview starting in wave 2.

For any differences in the construction of R_wHEARTE, which is used to create RALHEARTE, please see "Doctor diagnosed health problems: Ever Have Condition" in the RAND HRS Longitudinal File codebook.

For any differences in the construction of R_wHRTATT or R_wHRTATTE, which are used in the construction of RAXHRTATTE, please see "Doctor Diagnosed Diseases: Diagnosed Since Last Wave" and "Doctor Diagnosed Diseases: Ever Diagnosed", respectively, in the Harmonized HRS codebook.

HRS Variables Used:

RAND HRS:

R10HEARTE	r10hearte:w10 r ever had heart problems
R11HEARTE	r11hearte:w11 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

H_HRS:

R10HRTATT	r10hrtatt:w10 r reports heart attack this wave
R10HRTATTE	r10hrtatte:w10 r ever had heart attack
R11HRTATT	r11hrtatt:w11 r reports heart attack this wave
R11HRTATTE	r11hrtatte:w11 r ever had heart attack
R1HRTATTE	r1hrtatte:w1 r ever had heart attack
R2HRTATT	r2hrtatt:w2 r reports heart attack this wave
R2HRTATTE	r2hrtatte:w2 r ever had heart attack
R3HRTATT	r3hrtatt:w3 r reports heart attack this wave
R4HRTATT	r4hrtatt:w4 r reports heart attack this wave
R5HRTATT	r5hrtatt:w5 r reports heart attack this wave
R6HRTATT	r6hrtatt:w6 r reports heart attack this wave
R7HRTATT	r7hrtatt:w7 r reports heart attack this wave
R8HRTATT	r8hrtatt:w8 r reports heart attack this wave
R9HRTATT	r9hrtatt:w9 r reports heart attack this wave

Wave 2 Exit:

W367	b15.heart problems ever
W368	b15.heart conditions
W369	b15a.heart attack/myocar

Wave 2A Exit:

N828	b7.heart condition
N834	b7d.heart attack

Wave 3 Exit:

P815	b7. heart condition
P821	b7d. heart attack

Wave 4 Exit:

Q1156	b7. heart condition
Q1157	b7a. heart medication
Q1158	b7b. heart seen dr
Q1162	b7d. heart attack

Wave 5 Exit:

R1201	b7. heart condition
R1202	b7a. heart medication
R1203	b7b. heart seen dr
R1207	b7d. heart attack

Wave 6 Exit:

SC036	heart condition
SC037	heart medication
SC038	has r seen heart doctor
SC040	heart attack

Wave 7 Exit:

TC036 heart condition
TC037 heart medication
TC038 has r seen heart doctor
TC040 heart attack

Wave 8 Exit:

UC036 heart condition
UC037 heart medication
UC038 has r seen heart doctor
UC040 heart attack

Wave 9 Exit:

VC036 heart condition
VC037 heart medication
VC038 has r seen heart doctor
VC040 heart attack

Wave 10 Exit:

WC036 heart condition
WC037 heart medication
WC038 has r seen heart doctor
WC040 heart attack
WC257 ever had heart attack
WC258 year first had heart attack
WZ093 prev wave iw year

Wave 11 Exit:

XC036 heart condition
XC037 heart medication
XC038 has r seen heart doctor
XC040 heart attack
XC257 ever had heart attack
XC258 year first had heart attack
XZ093 prev wave iw year

Wave 12 Exit:

YC036 heart condition
YC037 heart medication
YC038 has r seen heart doctor
YC040 heart attack
YC257 ever had heart attack
YC258 year first had heart attack
YZ093 prev wave iw year

Doctor Diagnosed Conditions: Stroke
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Wave	Variable	Label	Type
0A	RALSTROKE	ralstroke: r ever had stroke as of last ivw	Categ
0A	RAXSTROKF	raxstrokf: r dispute flag prev wave stroke	Categ
0A	RAXSTROK	raxstrok: r new report of stroke since last ivw	Categ
0A	RAXSTROKE	raxstroke: r ever had stroke in lifetime	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RALSTROKE	12919	0.23	0.42	0.00	1.00
RAXSTROKF	12778	0.02	0.17	0.00	2.00
RAXSTROK	12832	0.11	0.37	0.00	2.00
RAXSTROKE	12837	0.34	0.51	0.00	2.00

Categorical Variable Codes

Value	RALSTROKE
.d:dk	20
.m:missing	12
.r:refuse	1
0.no	9891
1.yes	3028

Value	RAXSTROKF
.q:not asked this wave	174
0.no dispute	12679
1.disp prv wv, did have	5
2.disp prv wv, did not have	94

Value	RAXSTROK
.d:dk	113
.m:missing	1
.r:refuse	6
0.no	11677
1.yes	915
2.possible	240

Value	RAXSTROKE
.d:dk	110
.r:refuse	5
0.no	8649
1.yes	3948
2.possible	240

How Constructed:

RALSTROKE indicates whether the deceased respondent had ever been told by a doctor that he/she had a stroke in his/her last completed core interview. RALSTROKE is based on RwSTROKE in the RAND HRS and is taken from the last core wave completed. RALSTROKE is coded as 0 if the respondent reported never having been diagnosed with a stroke, and is coded as 1 if the respondent reported being diagnosed with a stroke. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXSTROKF indicates whether the exit interview proxy disputes the respondent's previous report of a stroke diagnosis. RAXSTROKF is coded as 0 if the proxy did not dispute the respondent's previous report of a stroke. RAXSTROKF is coded as 1 if the proxy disputes the previous report of a stroke, but reports that the respondent did have a stroke since the last interview. RAXSTROKF is coded as 2 if the proxy disputes the previous report of a stroke and reports that the respondent did not have a stroke. RAXSTROKF is coded as special missing .q in HRS wave 2 because the proxy was not able to dispute the previous wave's report. In AHEAD wave 2 and HRS waves 3 and 4 the proxy can only dispute the previous report of a stroke diagnosis by reporting that the respondent did not have stroke. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Please note that the dispute of a previously reported stroke does not impact values for RwSTROKE in the RAND HRS, or for RALSTROKE in the Harmonized HRS End of Life.

RAXSTROK indicates whether the respondent was diagnosed with a stroke between the last completed core interview and the respondent's exit interview. RAXSTROK is coded as 0 if the respondent had never been diagnosed with a stroke from his/her last completed core wave or from the exit interview, or if the respondent had ever been diagnosed with a stroke in his/her last completed core wave. RAXSTROK is coded as 1 if the respondent had never been diagnosed with a stroke from his/her last completed core wave and the proxy reports a stroke diagnosis for the respondent in the exit interview. RAXSTROK is coded as 2 if the respondent had never been diagnosed with a stroke from his/her last completed core wave and the proxy reports a possible stroke for the respondent in the exit interview. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXSTROKE indicates whether the deceased respondent had ever been told by a doctor that he/she had a stroke, as reported by the proxy. RAXSTROKE is based on questions asked to the proxy in the exit interview, and carries forward positive responses from RALSTROKE. RAXSTROKE is coded as 0 if the proxy reports that the respondent never had a stroke, or if, starting in HRS wave 3 and AHEAD wave 2, the proxy reports that the respondent's previous report of a stroke was incorrect and the respondent did not have a stroke. RAXSTROKE is coded as 1 if the proxy reports that the respondent had a stroke, or if, starting in wave 5, the proxy reports that the respondent's previous report of a stroke was incorrect but the respondent did have a stroke. We assume that the respondent has better knowledge of their health history than a proxy, and so RAXSTROKE is coded as 1 if RALSTROKE is coded as 1, regardless of the response from the exit interview proxy. RAXSTROKE is coded as 2 if the proxy reports that the respondent had a possible stroke or transient ischemic attack. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is not able to dispute the previous report of a stroke diagnosis. In AHEAD wave 2 and HRS waves 3 and 4, the proxy is only able to dispute the previous positive report of a stroke diagnosis, and report that the respondent did not have a stroke in previous waves. These differences impact the coding of RAXSTROKF, RAXSTROK, and RAXSTROKE for these waves.

For any differences in the construction of RwSTROKE, which is used to create RALSTROKE, please see "Doctor diagnosed health problems: Ever Have Condition" in the RAND HRS Longitudinal File codebook.

HRS Variables Used:

RAND HRS:

R10STROKE	r10stroke:w10 r ever had stroke
R11STROKE	r11stroke:w11 r ever had stroke
R1STROKE	r1stroke:w1 r ever had stroke
R2STROKE	r2stroke:w2 r ever had stroke
R3STROKE	r3stroke:w3 r ever had stroke
R4STROKE	r4stroke:w4 r ever had stroke
R5STROKE	r5stroke:w5 r ever had stroke
R6STROKE	r6stroke:w6 r ever had stroke

R7STROKE	r7stroke:w7 r ever had stroke
R8STROKE	r8stroke:w8 r ever had stroke
R9STROKE	r9stroke:w9 r ever had stroke
Wave 2 Exit:	
W379	b21.stroke
Wave 2A Exit:	
N848	b9.stroke
Wave 3 Exit:	
P835	b9. stroke
Wave 4 Exit:	
Q1176	b9. stroke
Wave 5 Exit:	
R1221	b9. stroke
R1223	b9j. another stroke-2yr
Wave 6 Exit:	
SC053	stroke
Wave 7 Exit:	
TC053	stroke
Wave 8 Exit:	
UC053	stroke
Wave 9 Exit:	
VC053	stroke
Wave 10 Exit:	
WC053	stroke
Wave 11 Exit:	
XC053	stroke
Wave 12 Exit:	
YC053	stroke

Doctor Diagnosed Conditions: Diabetes

Wave Variable	Label	Type
0A RALDIABE	raldiabe: r ever had diabetes as of last ivw	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RALDIABE	12916	0.28	0.45	0.00	1.00

Categorical Variable Codes

Value-----	RALDIABE
.d:dk	17
.m:missing	18
.r:refuse	1
0.no	9349
1.yes	3567

How Constructed:

RALDIABE indicates whether the deceased respondent had ever been told by a doctor that he/she had diabetes or high blood sugar in his/her last completed core interview. RALDIABE is based on RWDIABE in the RAND HRS and is taken from the last core wave completed. RALDIABE is coded as 0 if the respondent reported never having been diagnosed with diabetes, and is coded as 1 if the respondent reported being diagnosed with diabetes. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

The proxy is only asked if the respondent had been told by a doctor that he/she had diabetes in the HRS wave 2 exit interview. This question is not asked in any other wave, and so we chose not to provide this information.

For any differences in the construction of RWDIABE, which is used to create RALDIABE, please see "Doctor diagnosed health problems: Ever Have Condition" in the RAND HRS Longitudinal File codebook.

HRS Variables Used:

RAND HRS:	
R10DIABE	r10diabe:w10 r ever had diabetes
R11DIABE	r11diabe:w11 r ever had diabetes
R1DIABE	r1diabe:w1 r ever had diabetes
R2DIABE	r2diabe:w2 r ever had diabetes
R3DIABE	r3diabe:w3 r ever had diabetes
R4DIABE	r4diabe:w4 r ever had diabetes
R5DIABE	r5diabe:w5 r ever had diabetes
R6DIABE	r6diabe:w6 r ever had diabetes
R7DIABE	r7diabe:w7 r ever had diabetes
R8DIABE	r8diabe:w8 r ever had diabetes
R9DIABE	r9diabe:w9 r ever had diabetes

Memory Problems

Wave	Variable	Label	Type
0A	RALMEMRYE	ralmemrye: r ever had memory problems as of last ivw	Categ
0A	RAXMEMRY	raxmemry: r had memory problems one month before death	Categ
0A	RAXMEMRYE	raxmemrye: r ever had memory-related disease in lifetime	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RALMEMRYE	10315	0.19	0.40	0.00	1.00
RAXMEMRY	9119	0.48	0.50	0.00	1.00
RAXMEMRYE	11609	0.44	0.50	0.00	1.00

Categorical Variable Codes

Value	RALMEMRYE
.d:dk	10
.m:missing	6
.q:not asked this wave	2621
0.no	8315
1.yes	2000

Value	RAXMEMRY
.d:dk	106
.q:not asked this wave	3724
.r:refuse	3
0.no	4708
1.yes	4411

Value	RAXMEMRYE
.a:younger than 65	183
.d:dk	16
.m:missing	2
.q:not asked this wave	1142
0.no	6466
1.yes	5143

How Constructed:

RALMEMRYE indicates whether the deceased respondent had ever been told by a doctor that he/she had memory problems in his/her last completed core interview. RALMEMRYE is based on RWMEMRYE in the RAND HRS in waves 4 through 9 and RwalZHEE and RwdEMENE in the RAND HRS starting in wave 10. In all cases, the values are taken from the last core wave completed. If the respondent's last core wave was wave 4 through 9, then RALMEMRYE is coded as 0 if the respondent reported never having been diagnosed with memory problems, and is coded as 1 if the respondent reported being diagnosed with memory problems, as reported in RWMEMRYE in the RAND HRS. If the respondent's last core wave was wave 10 and onward, then RALMEMRYE is coded as 0 if the respondent reported never having Alzheimer's disease or dementia, and is coded as 1 if the respondent reported being diagnosed with either Alzheimer's disease or dementia, as reported in RwalZHEE and RwdEMENE in the RAND HRS. Questions on memory problems were not asked prior to wave 4, so if the respondent's last core wave was prior to wave 4 then RALMEMRYE is assigned special missing .q. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXMEMRY indicates whether the deceased respondent had memory problems as of one month before death, according to the proxy. RAXMEMRY is coded as 0 if the proxy reports that the

respondent did not have memory problems as of one month before death. RAXMEMORY is coded as 1 if the proxy reports that the respondent had memory problems as of one month before death. This question is asked starting in wave 6, and so RAXMEMORY is assigned special missing .q in AHEAD wave 2 and HRS waves 2 through 5. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXMEMRYE indicates whether a doctor ever told the deceased respondent that he/she had a memory-related disease. In waves 4 and 5 of the HRS exit interview, the proxy is asked whether a doctor ever told the deceased respondent that he/she had a memory-related disease. In wave 4, RAXMEMRYE is coded as 0 if the proxy reports that the respondent never had a memory-related disease, and is coded as 1 if the proxy reports that the respondent had a memory-related disease. In wave 5, RAXMEMRYE is coded as 0 if the proxy reports that the respondent never had a memory-related disease and the respondent reported never being diagnosed with a memory-related disease in the last core interview, and is coded as 1 if the respondent had a memory-related disease as reported by the proxy in the exit interview or as reported in the last core interview. Only in wave 5, RAXMEMRYE is coded as special missing .a if the proxy was not asked this question in the exit interview because the respondent was younger than age 65 at the time of death. Starting in wave 6, RAXMEMRYE is coded as 0 if the respondent reported never being diagnosed with a memory-related disease in the last core interview and the proxy reported that the respondent did not have memory problems as of one month before death, or if the respondent was not asked about being diagnosed with a memory-related disease in the last core interview and the proxy reported that the respondent did not have memory problems as of one month before death, and is coded as 1 if the respondent reported being diagnosed with a memory-related disease in the last core interview or the proxy reported that the respondent had memory problems as of one month before death. RAXMEMRYE is assigned special missing .q in waves 2 and 3 when no questions about memory-related conditions are asked. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

Questions about doctor diagnosed memory problems were not added to the core interviews until wave 4. Similarly, no question on memory is asked in the exit interview prior to wave 4. In the wave 4 exit interview, the proxy is asked if the respondent was ever told by a doctor that he/she had a memory-related disease. For respondents whose last core interview was before wave 4, RAXMEMRYE is only based on the proxy's report. For respondents whose last core interview was at wave 4 or later, RAXMEMRYE is based on both the proxy's report in the exit interview and the respondent's report in their last core interview.

In waves 5, the proxy is asked if the respondent was ever told by a doctor that he/she had a memory-related disease only if the respondent was 65 or older at the time of death. In these cases, RAXMEMRYE is assigned special missing .a.

Starting in wave 6, the proxy is asked if the respondent had memory problems as of one month before death.

In the HRS Core interview, respondents are asked if they have ever been diagnosed with a memory-related disease in waves 4 through 9, and are asked if they have ever been diagnosed with Alzheimer's disease or with dementia starting in wave 10. RALMEMRYE and RAXMEMRYE employ the single question about memory-related diseases in waves 4 through 9 and the two separate questions about Alzheimer's disease or dementia starting in wave 10.

For any differences in the construction of RwMEMRYE, RwalZHEE, and RwdEMENE, which are used to create RALMEMRYE, please see "Doctor diagnosed health problems: Memory-related disease" in the RAND HRS Longitudinal File codebook.

HRS Variables Used:

RAND HRS:

R10ALZHEE	r10alzhee:w10	r	ever reported alzheimer
R10DEMENE	r10demene:w10	r	ever reported dementia
R11ALZHEE	r11alzhee:w11	r	ever reported alzheimer

R11DEMENE	r11demene:w11 r ever reported dementia
R4MEMRYE	r4memrye:w4 r ever had memory problem
R5MEMRYE	r5memrye:w5 r ever had memory problem
R6MEMRYE	r6memrye:w6 r ever had memory problem
R7MEMRYE	r7memrye:w7 r ever had memory problem
R8MEMRYE	r8memrye:w8 r ever had memory problem
R9MEMRYE	r9memrye:w9 r ever had memory problem
Wave 4 Exit:	
Q1216	b14. memory-related disease
Wave 5 Exit:	
R1240	b14x. memory-related disease
Wave 6 Exit:	
SC193	r have memory problems
Wave 7 Exit:	
TC193	r have memory problems
Wave 8 Exit:	
UC193	r have memory problems
Wave 9 Exit:	
VC193	r have memory problems
Wave 10 Exit:	
WC193	r have memory problems
Wave 11 Exit:	
XC193	r have memory problems
Wave 12 Exit:	
YC193	r have memory problems

Section C: Health Care Utilization and Insurance

Hospital Stays: Length of Final Stay, if Died in Hospital

Wave	Variable	Label	Type
0A	RADHOSPINIT	radhospnit: r # nights final hospital stay before death	Cont
0A	RADHOSPINITD	radhospnitd: r duration final hospital stay before death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADHOSPINIT	4300	22.02	130.83	0.00	4745.00
RADHOSPINITD	4300	1.59	1.00	0.00	6.00

Categorical Variable Codes

Value	RADHOSPINITD
.d:dk	84
.m:missing	73
.q:not asked this wave	916
.r:refuse	3
.x:did not die in hospital	7576
0.0 nights	469
1.less than 1 week	1630
2.1 week to lt 1 month	1641
3.1 month to lt 3 months	414
4.3 months to lt 6 months	87
5.6 months to lt 1 year	27
6.1 year or more	32

How Constructed:

RADHOSPINIT indicates the duration of the respondent's final hospital stay in days if the respondent died in a hospital. RADHOSPINITD is a categorized version of this variable. If the proxy reports that the respondent died in a hospital, the proxy is asked the length of the respondent's final stay at the hospital. The proxy can report the length of stay in hours, days, weeks, months, or years. These responses are converted to the number of days of the respondent's final hospital stay for RADHOSPINIT. For RADHOSPINITD, these responses are grouped and coded as follows: 0.zero nights, 1.less than 1 week, 2.one week to less than one month, 3.one month to less than three months, 4.three months to less than six months, 5.six months to less than one year, 6.one year or more. RADHOSPINIT and RADHOSPINITD are assigned special missing .x if the respondent did not die in a hospital. The duration of the respondent's final hospital stay if the respondent died in a hospital is not asked in HRS wave 2 or in AHEAD wave 2, so for these waves RADHOSPINIT and RADHOSPINITD are assigned special missing .q. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

The duration of the respondent's final hospital stay if the respondent died in a hospital is not asked in HRS wave 2 or in AHEAD wave 2.

Please note that the report of the length of the respondent's final hospital stay is distributed in two variables, the first providing a value and the second providing the unit of time corresponding to the value. Only in wave 3, the units of time are given as: 1.hours, 2.days or nights, 3.weeks, 4.months, 5.years. Starting in wave 4, option 2 is only given as "2.days".

HRS Variables Used:

Wave 2A Exit:
 N226 cs2cx.place of death

Wave 3 Exit:
 P1238 ex1.hospital # nights - final
 P1238A ex1.hospital # nights - final -per

Wave 4 Exit:
 Q1722 ex1.how long in hospital before death
 Q1723 ex1a.units in hospital

Wave 5 Exit:
 R1735 ex1.how long in hospital before death
 R1736 ex1a.units in hospital

Wave 6 Exit:
 SA124 location of death
 SN301 time in hospital before death
 SN302 time in hospital before death- unit

Wave 7 Exit:
 TA124 location of death
 TN301 time in hospital before death
 TN302 time in hospital before death- unit

Wave 8 Exit:
 UA124 location of death
 UN301 time in hospital before death
 UN302 time in hospital before death- unit

Wave 9 Exit:
 VA124 location of death
 VN301 time in hospital before death
 VN302 time in hospital before death- unit

Wave 10 Exit:
 WA124 location of death
 WN301 time in hospital before death
 WN302 time in hospital before death- unit

Wave 11 Exit:
 XA124 location of death
 XN301 time in hospital before death
 XN302 time in hospital before death- unit

Wave 12 Exit:
 YA124 location of death
 YN301 time in hospital before death
 YN302 time in hospital before death- unit

Hospital Stays: Since Last Interview

Wave	Variable	Label	Type
0A	RAXHOSP	raxhosp: r any hospital stay since last ivw	Categ
0A	RAXHSPTIM	raxhsptim: r # hospital stays since last ivw	Cont
0A	RAXHSPNIT	raxhspnit: r total # nights in hospital since last ivw	Cont
0A	RAXHSPNITD	raxhspnitd: r total duration hospital stays since last ivw	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXHOSP	12922	0.78	0.41	0.00	1.00
RAXHSPTIM	12457	2.33	3.81	0.00	99.00
RAXHSPNIT	11920	18.12	72.40	0.00	4745.00
RAXHSPNITD	11920	1.50	1.10	0.00	6.00

Categorical Variable Codes

Value-----	RAXHOSP
.d:dk	23
.m:missing	6
.r:refuse	1
0.no	2817
1.yes	10105

Value-----	RAXHSPNITD
.d:dk	1006
.m:missing	23
.r:refuse	3
0.0 nights	2706
1.less than 1 week	2945
2.1 week to lt 1 month	4351
3.1 month to lt 3 months	1591
4.3 months to lt 6 months	237
5.6 months to lt 1 year	55
6.1 year or more	35

How Constructed:

RAXHOSP indicates whether the deceased respondent stayed overnight at a hospital since the previous interview/in the last 2 years. If the proxy reports that the respondent died in a hospital, the proxy is first asked the length of the respondent's final stay at the hospital, recorded in RADHOSP. Then the proxy is asked if the respondent had stayed overnight in a hospital since the previous interview/in the last 2 years in addition to the final hospital stay. If the proxy reports that the respondent died somewhere other than a hospital, the proxy is asked if the respondent stayed overnight in a hospital since the previous interview/in the last 2 years. RAXHOSP is coded as 0 if the proxy reports that the respondent had not been a patient in a hospital overnight and the proxy reports that the respondent did not die in a hospital. RAXHOSP is coded as 1 if the proxy reports that the respondent had been a patient in a hospital overnight or the proxy reports that the respondent died in a hospital. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXHSPTIM indicates the number of times the deceased respondent was a patient overnight in a hospital since the previous interview/in the last 2 years, including the respondent's final

hospitalization if he/she died in a hospital. After answering whether the respondent had overnight stays in a hospital, other than his/her final hospitalization, the proxy is asked how many different times he/she was a patient in a hospital overnight since the previous interview/in the last 2 years including his/her final hospitalization if applicable. If the proxy reported that the respondent had not stayed overnight in a hospital, then RAXHSPTIM is set to 0. If the proxy reported that the respondent died in a hospital, but had not stayed in a hospital other than his/her final hospitalization, then RAXHSPTIM is set to 1. If the proxy reported that the respondent stayed in a hospital other than his/her final hospitalization, then RAXHSPTIM takes the value of the total number of hospital stays, including the final stay, reported by the proxy. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXHSPNIT indicates the total number of nights the deceased respondent was a patient overnight in a hospital since the previous interview/in the last 2 years whether the respondent died in a hospital or not. RAXHSPNITD is a categorized version of RAXHSPNIT. After answering the number of times the respondent was a patient overnight in a hospital, the proxy is asked how many nights the respondent was a patient in a hospital since the previous interview/in the last 2 years including his/her final hospitalization if applicable. If the proxy reported that the respondent had not stayed overnight in a hospital, then RAXHSPNIT is set to 0. If the proxy reported that the respondent died in a hospital, but had not stayed in a hospital other than his/her final hospitalization, then RAXHSPNIT is assigned the number of nights of the respondent's final stay, recorded in RADHOSPNIT. If the proxy reported that the respondent stayed in a hospital other than his/her final hospitalization, then RAXHSPNIT is assigned the total number of nights of all hospital stays, including the final stay, reported by the proxy. Please note that the total number of nights in the hospital was collected in days, whereas the length of the respondent's final stay in the hospital is recorded in hours, days, weeks, months, or years. All values have been converted to days for RAXHSPNIT, and are categorized for RAXHSPNITD. RAXHSPNITD is coded as follows: 0.zero nights, 1.less than one week, 2.one week to less than one month, 3.one month to less than three months, 4.three months to less than six months, 5.six months to less than one year, 6.one year or more. For clarification, RAXHSPNIT and RAXHSPNITD are equivalent to the nonmissing values in RADHOSPNIT and RADHOSPNITD, respectively, if the respondent had a total of one hospital stay and died in the hospital. Don't know, refused, or other missing responses for RAXHSPNIT and RAXHSPNITD are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

Please note that the proxy had the option to report the total number of nights the respondent spent in a hospital in days, weeks or months in HRS wave 2, though there were no instances where the hospital stays were reported in weeks or months. In all other waves, the proxy only has the option to report the total number of nights in the hospital as the number of days, not as weeks or months.

HRS Variables Used:

Wave 2 Exit:	
W410	b29.hospital overnight
W411	b29a.times in hospital o
W412	b29b.number of nights in
W413	b29b.units in hospital
Wave 2A Exit:	
N1664	e1.hospital-yr
N1665	e2.hospital times
N1666	e3.hosp-1 #nights
Wave 3 Exit:	
P1238	ex1.hospital # nights - final
P1238A	ex1.hospital # nights - final -per
P1245	e1. hospital-yr
P1246	e2. hospital times
P1247	e3. hosp-1 #nights
Wave 4 Exit:	
Q1722	ex1.how long in hospital before death

```
Q1723      ex1a.units in hospital
Q1728      e1. hospital-yr
Q1729      e2. hospital times
Q1730      e3. hosp-1 #nights
Wave 5 Exit:
R1735      ex1.how long in hospital before death
R1736      ex1a.units in hospital
R1739      e1. hospital-yr
R1740      e2. hospital times
R1741      e3. hosp-1 #nights
Wave 6 Exit:
SA124      location of death
SN099      overnight stay in hosp-since prev iw/2yr
SN100      num times r stayed overnight in hosp
SN101      num nights r spent overnight in hospital
SN301      time in hospital before death
SN302      time in hospital before death- unit
Wave 7 Exit:
TA124      location of death
TN099      overnight stay in hosp-since prev iw/2yr
TN100      num times r stayed overnight in hosp
TN101      num nights r spent overnight in hospital
TN301      time in hospital before death
TN302      time in hospital before death- unit
Wave 8 Exit:
UA124      location of death
UN099      overnight stay in hosp-since prev iw/2yr
UN100      num times r stayed overnight in hosp
UN101      num nights r spent overnight in hospital
UN301      time in hospital before death
UN302      time in hospital before death- unit
Wave 9 Exit:
VA124      location of death
VN099      overnight stay in hosp-since prev iw/2yr
VN100      num times r stayed overnight in hosp
VN101      num nights r spent overnight in hospital
VN301      time in hospital before death
VN302      time in hospital before death- unit
Wave 10 Exit:
WA124      location of death
WN099      overnight stay in hosp-since prev iw/2yr
WN100      num times r stayed overnight in hosp
WN101      num nights r spent overnight in hospital
WN301      time in hospital before death
WN302      time in hospital before death- unit
Wave 11 Exit:
XA124      location of death
XN099      overnight stay in hosp-since prev iw/2yr
XN100      num times r stayed overnight in hosp
XN101      num nights r spent overnight in hospital
XN301      time in hospital before death
XN302      time in hospital before death- unit
Wave 12 Exit:
YA124      location of death
YN099      overnight stay in hosp-since prev iw/2yr
YN100      num times r stayed overnight in hosp
YN101      num nights r spent overnight in hospital
YN301      time in hospital before death
YN302      time in hospital before death- unit
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Nursing Home Stays: Length of Final Stay, if Died in Nursing Home

Wave	Variable	Label	Type
0A	RADNURSNIT	radnursnit: r # nights final nursing home stay before death	Cont
0A	RADNURSNITD	radnursnitd: r duration final nursing home stay before death	Categ
0A	RADNURSNITF	radnursnitf: r flag # nights of final nursing home stay	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADNURSNIT	3722	489.44	770.08	1.00	7300.00
RADNURSNITD	3722	4.07	1.84	1.00	6.00
RADNURSNITF	3724	0.31	0.67	0.00	2.00

Categorical Variable Codes

Value-----	RADNURSNITD
.d:dk	48
.i:invalid	1
.m:missing	87
.q:not asked this wave	174
.r:refuse	1
.x:did not die in nursing h	8919
1.less than 1 week	437
2.1 week to lt 1 month	536
3.1 month to lt 3 months	554
4.3 months to lt 6 months	403
5.6 months to lt 1 year	377
6.1 year or more	1415

Value-----	RADNURSNITF
.m:missing	137
.q:not asked this wave	174
0.reported length of stay	8917
1.calculation used month an	3017
2.calculation used only yea	261
	446

How Constructed:

RADNURSNIT indicates the duration of the respondent's final nursing home stay in days if the respondent died in a nursing home. RADNURSNITD is a categorized version of this variable. If the proxy reports that the respondent died in a nursing home, the proxy is asked the length of the respondent's final stay at the nursing home. In all waves the proxy can report the length of stay in days or months. Starting in AHEAD wave 2 and HRS wave 3 through wave 9, the proxy can also report the year and month the respondent entered the nursing home. In waves 7 to 12, the proxy can also report the length of stay in years. If the proxy reports the year and month the respondent entered the nursing home, then the number of months the respondent resided in the nursing home is calculated using entrance year and month and death year and month (KNOWNDECEASEDYR and KNOWNDECEASEDMO from the HRS Tracker File). If entrance month or death month is unavailable, then this calculation only takes into account entrance year and death year. These responses are converted to the number of days of the respondent's final nursing home stay for RADNURSNIT. For RADNURSNITD, these responses are grouped and coded as follows: 1.less than one week, 2.one week to less than one month, 3.one month to less than three months, 4.three months to less than six months, 5.six months to less than one year, 6.one year or more. RADNURSNIT and RADNURSNITD are assigned special missing .x if the respondent did not die in a nursing home. RADNURSNIT and RADNURSNITD are assigned special

missing .i if the calculation of the length of nursing stay from entrance month and year resulted in a negative value. The duration of the respondent's final nursing home stay if the respondent died in a nursing home is not asked in HRS wave 2, so RADNURSNIT and RADNURSNITD are assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RADNURSNITF is a flag variable indicating whether the calculation of the length of the respondent's final nursing home stay only used entrance and death years because either entrance or death month was missing. RADNURSNITF is coded as 0 if the proxy did not report month or year but instead provided the actual length of stay. RADNURSNITF is coded as 1 if the calculation of the length of the respondent's final nursing home stay used month and year values. RADNURSNITF is coded as 2 if the calculation of the length of the respondent's final nursing home stay used only year values because either nursing home entrance month or death month was missing. RADNURSNITF is only assigned values of 0 in HRS waves 10 and onward because the proxy was not able to report the month and year the respondent entered a nursing home for their final stay. RADNURSNITF is assigned special missing .x if the respondent did not die in a nursing home. The duration of the respondent's final nursing home stay if the respondent died in a nursing home is not asked in HRS wave 2, so RADNURSNITF is assigned special missing .q in this wave. RADNURSNITF is assigned special missing .m if RADNURSNIT and RADNURSNITD have a .d, .r, .i, or .m missing value.

Cross Wave Differences in HRS

The duration of the respondent's final nursing home stay if the respondent died in a nursing home is not asked in HRS wave 2.

The proxy can report the respondent's length of stay in different ways across waves. In all waves the proxy can report the length of stay in days or months. Starting in AHEAD wave 2 and HRS wave 3 through wave 9, the proxy can also report the year and month the respondent entered the nursing home. In waves 7 to 12, the proxy can also report the length of stay in years.

HRS Variables Used:

Tracker:

KNOWNDECEASEDMO known deceased - month
KNOWNDECEASEDYR known deceased - year

Wave 2A Exit:

N1674 e4x.nursing home # nights - final
N1675 e4xax.months
N1676 e4xbx.date-month
N1678 e4xdx.date-year

Wave 3 Exit:

P1255 e4x.nursing home # nights - final
P1256 e4xax.months
P1257 e4xbx.date-month
P1259 e4xdx.date-year

Wave 4 Exit:

Q1736 e4x.nursing home # nights - final
Q1737 e4xax.number of months
Q1738 e4xbx.date-month
Q1740 e4xdx.date-year

Wave 5 Exit:

R1747 e4x.nursing home # nights - final
R1748 e4xax.months
R1749 e4xbx.date-month
R1751 e4xdx.date-year

Wave 6 Exit:

SA124 location of death
SN309 nursing home b/f death- days
SN310 nursing home b/f death- months
SN311 nursing home b/f death- since month

SN313 nursing home b/f death- since year

Wave 7 Exit:

TA124 location of death

TN257 nursing home b/f death- years

TN258 year entered nursing home

TN259 month entered nursing home

TN309 nursing home b/f death- days

TN310 nursing home b/f death- months

Wave 8 Exit:

UA124 location of death

UN257 nursing home b/f death- years

UN258 year entered nursing home

UN259 month entered nursing home

UN309 nursing home b/f death- days

UN310 nursing home b/f death- months

Wave 9 Exit:

VA124 location of death

VN257 nursing home b/f death- years

VN258 year entered nursing home

VN259 month entered nursing home

VN309 nursing home b/f death- days

VN310 nursing home b/f death- months

Wave 10 Exit:

WA124 location of death

WN257 nursing home b/f death- years

WN309 nursing home b/f death- days

WN310 nursing home b/f death- months

Wave 11 Exit:

XA124 location of death

XN257 nursing home b/f death- years

XN309 nursing home b/f death- days

XN310 nursing home b/f death- months

Wave 12 Exit:

YA124 location of death

YN257 nursing home b/f death- years

YN309 nursing home b/f death- days

YN310 nursing home b/f death- months

Nursing Home Stays: Since Last Interview

Wave	Variable	Label	Type
0A	RAXNRSHOM	raxnrshom: r any nursing home stay since last ivw	Categ
0A	RAXNRSTIM	raxnrstim: r # nursing home stays since last ivw	Cont
0A	RAXNRSNIT	raxnrsnit: r total # nights nursing home stays since last iv	Cont
0A	RAXNRSNITD	raxnrsnitd: r total duration nursing home stays since last i	Categ
0A	RAXNRSNITF	raxnrsnitf: r flag # nights in nursing home	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXNRSHOM	12943	0.40	0.49	0.00	1.00
RAXNRSTIM	12892	0.52	1.41	0.00	95.00
RAXNRSNIT	5168	101.53	324.25	0.00	4773.00
RAXNRSNITD	5168	1.23	2.03	0.00	6.00
RAXNRSNITF	5168	0.29	0.48	0.00	2.00

Categorical Variable Codes

Value	RAXNRSHOM
.d:dk	6
.m:missing	2
.r:refuse	1
0.no	7830
1.yes	5113

Value	RAXNRSNITD
.c:continuous since entry	8
.d:dk	38
.i:invalid	1
.m:missing	2
.q:not asked this wave	7734
.r:refuse	1
0.0 nights	3457
1.less than 1 week	184
2.1 week to lt 1 month	352
3.1 month to lt 3 months	344
4.3 months to lt 6 months	183
5.6 months to lt 1 year	169
6.1 year or more	479

Value	RAXNRSNITF
.m:missing	50
.q:not asked this wave	7734
0.reported length of stay	3763
1.calculation used month an	1333
2.calculation used only yea	72

How Constructed:

RAXNRSHOM indicates whether the deceased respondent stayed overnight at a nursing home, convalescent home, or other long-term health care facility since the previous interview/in the last 2 years, excluding any hospice stays. If the proxy reports that the respondent died in a nursing home, the proxy is first asked the length of the respondent's final stay at the

nursing home before his/her death, recorded in RADNURSNIT. Then the proxy is asked if the respondent had stayed overnight in a nursing home since the previous interview/in the last 2 years in addition to the final nursing home stay. If the proxy reports that the respondent died somewhere other than a nursing home, the proxy is asked if the respondent stayed overnight in a nursing home, convalescent home, or other long-term health care facility since the previous interview/in the last 2 years, excluding any hospice stays. RAXNRSHOM is coded as 0 if the proxy reports that the respondent had not been a patient in a nursing home overnight and the proxy reports that the respondent did not die in a nursing home. RAXNRSHOM is coded as 1 if the proxy reports that the respondent had been a patient in a nursing home overnight or the proxy reports that the respondent died in a nursing home. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXNRSTIM indicates the number of times the deceased respondent was a patient overnight in a nursing home since the previous interview/in the last 2 years, including the respondent's final stay if he/she died in a nursing home. After answering whether the respondent had overnight stays in a nursing home, other than his/her final nursing home stay, the proxy is asked how many different times he/she was a patient in a nursing home overnight since the previous interview/in the last 2 years including his/her final nursing home stay if applicable. If the proxy reported that the respondent had not stayed overnight in a nursing home, then RAXNRSTIM is set to 0. If the proxy reported that the respondent died in a nursing home, but had not stayed in a nursing home other than his/her final nursing home stay, then RAXNRSTIM is set to 1. If the proxy reported that the respondent had stayed in a nursing home other than his/her final nursing home stay, then RAXNRSTIM takes the value of the total number of nursing home stays, including the final stay, reported by the proxy. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXNRSNIT indicates the total number of nights the deceased respondent was a patient overnight in a nursing home since the previous interview/in the last 2 years whether the respondent died in a nursing home or not. RAXNRSNITD is a categorized version of RAXNRSNIT. After answering the number of times the respondent was a patient overnight in a nursing home, the proxy is asked how long the respondent was a patient in a nursing home since the previous interview/in the last 2 years including his/her final nursing home stay if applicable. If the proxy reported that the respondent had not stayed overnight in a nursing home, then RAXNRSNIT is set to 0. If the proxy reported that the respondent died in a nursing home and had not stayed at a nursing home other than his/her final stay, then RAXNRSNIT takes the value of the respondent's final nursing home stay, recorded in RADNURSNIT. If the proxy reported that the respondent had stayed in a nursing home other than his/her final nursing home stay, then RAXNRSNIT is assigned the total number of nights of all nursing home stays, including the final stay, as reported by the proxy. In all waves, the proxy can respond with the number of nights or number of months. Only in HRS wave 2, the proxy can also respond with the number of weeks. Starting in AHEAD wave 2 and HRS wave 3, the proxy can also respond by saying the respondent's stay was continuous since he/she entered. If the proxy reports that the respondent's stay was continuous, then the number of months the respondent resided in the nursing home is calculated using the year and month the respondent moved to a nursing home obtained in the coverscreen, if available, and death year and month (KNOWNDECEASEDYR and KNOWNDECEASEDMO from the HRS Tracker File). If entrance month or death month is unavailable, then this calculation only takes into account entrance year and death year. All values have been converted to days for RAXNRSNIT, and are categorized for RAXNRSNITD. RAXNRSNITD is coded as follows: 0.zero nights, 1.less than one week, 2.one week to less than one month, 3.one month to less than three months, 4.three months to less than six months, 5.six months to less than one year, 6.one year or more. RAXNRSNIT and RAXNRSNITD are assigned special missing .c if the proxy reports a continuous stay at a nursing home but no entrance date is available. RAXNRSNIT and RAXNRSNITD are assigned special missing .i if the calculation of the continuous stay at a nursing home results in a negative value. RAXNRSNIT and RAXNRSNITD are only available in waves 2 through 6, and are assigned special missing .q starting in wave 7. For clarification, RAXNRSNIT and RAXNRSNITD are equivalent to the nonmissing values in RADNURSNIT and RADNURSNITD, respectively, if the respondent had a total of one nursing home stay and died in a nursing home. Don't know, refused, or other missing responses for RAXNRSNIT and RAXNRSNITD are assigned special missing .d, .r, .m, respectively.

RAXNRSNITF is a flag variable indicating whether the calculation of the total length of the respondent's nursing home stay only used entrance and death years because either entrance or death month was missing. RAXNRSNITF is coded as 0 if the proxy did not report month or year

but instead provided the actual length of stay. RAXNRSNITF is coded as 1 if the calculation of the total length of the respondent's nursing home stay used month and year values. RAXNRSNITF is coded as 2 if the calculation of the total length of the respondent's nursing home stay used only year values because either nursing home entrance month or death month was missing. RAXNRSNITF is only assigned values of 0 in HRS wave 2 because the proxy was not able to report the month and year the respondent entered a nursing home. RAXNRSNITF is assigned special missing .q starting in wave 7 when this information is no longer obtained. RAXNRSNITF is assigned a special missing .m if RAXNRSNIT and RAXNRSNITD have a .d, .r, .i, .c, or .m missing value.

Cross Wave Differences in HRS

The duration of the respondent's total nursing home stays is no longer asked starting in wave 7.

Only in AHEAD wave 2 and HRS wave 3, the proxy is not asked if the respondent had any stay (other than his/her final stay) in a nursing home if the respondent lived in a nursing home at the time of death. If the respondent lived in a nursing home, then RAXNRSHOM is assigned a value of 1.

The proxy can report the respondent's length of stay in different ways across waves. In all waves the proxy can report the length of stay in days or months. Only in HRS wave 2, the proxy can report the length of stay in weeks. Starting in AHEAD wave 2 and HRS wave 3, the proxy can report that the respondent's nursing home stay was continuous since entry.

HRS Variables Used:

Tracker:

KNOWNDECEASEDMO known deceased - month
KNOWNDECEASEDYR known deceased - year

Wave 2 Exit:

W415 b30.nursing home overnig
W416 b30a.times in nursing ho
W417 b30b.number of nights in
W418 b30b.units in nursing ho

Wave 2A Exit:

N1674 e4x.nursing home # nights - final
N1675 e4xax.months
N1676 e4xbx.date-month
N1678 e4xdx.date-year
N1681 e5.nursing home-yr
N1682 e6.nurhm # times
N1683 e7.nurhm-1 nights
N1684 e7a.nurhm-1 months
N249 cs11.r-where live
N417 cs25.month moved to nurs home
N418 cs25a.year moved to nurs home

Wave 3 Exit:

P1255 e4x.nursing home # nights - final
P1256 e4xax.months
P1257 e4xbx.date-month
P1259 e4xdx.date-year
P1262 e5. nursing home-yr
P1263 e6. nurhm # times
P1264 e7. nurhm-1 nights
P1265 e7a.nurhm-1 months
P249 cs11.r-where live
P417 cs25.month moved to nurs home
P418 cs25a.year moved to nurs home

Wave 4 Exit:

Q1736 e4x.nursing home # nights - final
Q1737 e4xax.number of months

Q1738	e4xbx.date-month
Q1740	e4xdx.date-year
Q1743	e5. nursing home-yr
Q1744	e6. nurhm # times
Q1745	e7. nurhm-1 nights
Q1746	e7a.nurhm-1 months
Q720	cs25.month moved to nurs home
Q721	cs25.year moved to nurs home
Wave 5 Exit:	
R1747	e4x.nursing home # nights - final
R1748	e4xax.months
R1749	e4xbx.date-month
R1751	e4xdx.date-year
R1754	e5. nursing home-yr
R1755	e6. nurhm # times
R1756	e7. nurhm-1 nights
R1757	e7a.nurhm-1 months
R789	cs25.month moved to nurs home
R790	cs25a.(cs25) year moved to nurs home
Wave 6 Exit:	
SA065	month moved to nh
SA066	year moved to nurs home
SA124	location of death
SN114	ever patient overnight in nursing home
SN115	# times spent overnight in nursing home
SN116	num nights r spent overnight in nh
SN117	num mos r spent overnight in nh
SN309	nursing home b/f death- days
SN310	nursing home b/f death- months
SN311	nursing home b/f death- since month
SN313	nursing home b/f death- since year
Wave 7 Exit:	
TA065	month moved to nh
TA066	year moved to nurs home
TA124	location of death
TN114	ever patient overnight in nursing home
TN115	# times spent overnight in nursing home
TN257	nursing home b/f death- years
TN258	year entered nursing home
TN259	month entered nursing home
TN309	nursing home b/f death- days
TN310	nursing home b/f death- months
Wave 8 Exit:	
UA065	month moved to nh
UA066	year moved to nurs home
UA124	location of death
UN114	ever patient overnight in nursing home
UN115	# times spent overnight in nursing home
UN257	nursing home b/f death- years
UN258	year entered nursing home
UN259	month entered nursing home
UN309	nursing home b/f death- days
UN310	nursing home b/f death- months
Wave 9 Exit:	
VA124	location of death
VN114	ever patient overnight in nursing home
VN115	# times spent overnight in nursing home
VN257	nursing home b/f death- years
VN258	year entered nursing home
VN259	month entered nursing home
VN309	nursing home b/f death- days
VN310	nursing home b/f death- months
VN315	hospice- days

VN316 hospice- number months

Wave 10 Exit:

WA124 location of death

WN114 ever patient overnight in nursing home

WN115 # times spent overnight in nursing home

WN257 nursing home b/f death- years

WN309 nursing home b/f death- days

WN310 nursing home b/f death- months

WN315 hospice- days

WN316 hospice- number months

Wave 11 Exit:

XA124 location of death

XN114 ever patient overnight in nursing home

XN115 # times spent overnight in nursing home

XN257 nursing home b/f death- years

XN309 nursing home b/f death- days

XN310 nursing home b/f death- months

XN315 hospice- days

XN316 hospice- number months

Wave 12 Exit:

YA124 location of death

YN114 ever patient overnight in nursing home

YN115 # times spent overnight in nursing home

YN257 nursing home b/f death- years

YN309 nursing home b/f death- days

YN310 nursing home b/f death- months

Hospice: Length of Final Stay, if Died in Hospice

Wave	Variable	Label	Type
0A	RADHSPCNIT	radhspcnit: r # nights final hospice stay before death	Cont
0A	RADHSPCNITD	radhspcnitd: r duration final hospice stay before death	Categ
0A	RADHSPCNITF	radhspcnitf: r flag # nights final hospice stay before death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADHSPCNIT	749	21.65	55.84	1.00	730.00
RADHSPCNITD	749	1.75	0.99	1.00	6.00
RADHSPCNITF	749	0.00	0.00	0.00	0.00

Categorical Variable Codes

Value	RADHSPCNITD
.d:dk	19
.m:missing	18
.q:not asked this wave	1416
.r:refuse	3
.x:did not die in hospice	10747
1.less than 1 week	384
2.1 week to lt 1 month	244
3.1 month to lt 3 months	72
4.3 months to lt 6 months	30
5.6 months to lt 1 year	14
6.1 year or more	5

Value	RADHSPCNITF
.m:missing	40
.q:not asked this wave	1416
0.reported length of stay	10747
	749

How Constructed:

RADHSPCNIT indicates the duration of the respondent's final hospice stay in days if the respondent died in a hospice facility. RADHSPCNITD is a categorized version of this variable. If the proxy reports that the respondent died in a hospice facility, the proxy is asked the length of the respondent's final stay at the hospice facility. In all waves the proxy can report the length of stay in days or months. In waves 4 through 6, the proxy can also report the year and month the respondent entered the hospice facility. If the proxy reports the year and month the respondent entered the hospice facility, then the number of months the respondent resided in the hospice facility is calculated using the entrance year and month and death year and month (KNOWNDECEASEDYR and KNOWNDECEASEDMO from the HRS Tracker File). If entrance month or death month is unavailable, then the calculation only takes into account entrance year and death year. These responses are converted to the number of days of the respondent's final hospice stay for RADHSPCNIT. For RADHSPCNITD, these responses are grouped and coded as follows: 1.less than one week, 2.one week to less than one month, 3.one month to less than three months, 4.three months to less than six months, 5.six months to less than one year, 6.one year or more. RADHSPCNIT and RADHSPCNITD are assigned special missing .x if the respondent did not die in a hospice facility. RADHSPCNIT and RADHSPCNITD are assigned special missing .i if the calculation of the length of hospice stay from entrance month and year resulted in a negative value. RADHSPCNIT and RADHSPCNITD are available starting in AHEAD wave 2 and HRS wave 3 through wave 11, and so is assigned special missing .q in HRS wave 2 and

starting in wave 12. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RADHSPCNITF is a flag variable indicating whether the calculation of the total length of the respondent's hospice stay only used entrance and death years because either entrance or death month was missing. RADHSPCNITF is coded as 0 if the proxy did not report month or year but instead provided the actual length of stay. RADHSPCNITF is coded as 1 if the calculation of the length of the respondent's final hospice stay used month and year values. RADHSPCNITF is coded as 2 if the calculation of the length of the respondent's final hospice stay used only year values because either nursing home entrance month or death month was missing. RADHSPCNITF is only assigned values of 0 in AHEAD wave 2 and HRS waves 3 and 7 through 11 because the proxy was not able to report the month and year the respondent entered a hospice facility. RADHSPCNITF is assigned special missing .x if the respondent did not die in a hospice facility. RADHSPCNITF is assigned special missing .q starting in HRS waves 2 and 12 when this information is no longer obtained. RADHSPCNITF is assigned special missing .m if RADHSPCNIT and RADHSPCNITD have a .d, .r, or .m missing value.

Cross Wave Differences in HRS

The duration of the respondent's final hospice stay if the respondent died in a hospice facility is not asked in HRS wave 2 or starting in wave 12.

The proxy can report the respondent's length of stay in different ways across waves. In all waves the proxy can report the length of stay in days or months. In waves 4 through 6, the proxy can also report the year and month the respondent entered the hospice facility.

HRS Variables Used:

Tracker:

KNOWNDECEASEDMO known deceased - month

KNOWNDECEASEDYR known deceased - year

Wave 2A Exit:

N1694 ex10f.hospice # nights - final

N1695 ex10fa.months

Wave 3 Exit:

P1275 ex10f.hospice # nights - final

P1276 ex10fa.months

Wave 4 Exit:

Q1757 e10xf. hospice # nights - final

Q1758 e10xfa.number of months

Q1759 e10xfb.date-month

Q1761 e10xfd.date-year

Wave 5 Exit:

R1768 e10xf. hospice # nights - final

R1769 e10xfa.hospice-months

R1770 e10xfb.hospice date-month

R1772 e10xfd.hospice date-year

Wave 6 Exit:

SA124 location of death

SN315 hospice- days

SN316 hospice- number months

SN317 hospice- since month

SN319 hospice- since year

Wave 7 Exit:

TA124 location of death

TN315 hospice- days

TN316 hospice- number months

Wave 8 Exit:

UA124 location of death

UN315 hospice- days

UN316 hospice- number months

Wave 9 Exit:

VA124	location of death
VN315	hospice- days
VN316	hospice- number months
Wave 10 Exit:	
WA124	location of death
WN315	hospice- days
WN316	hospice- number months
Wave 11 Exit:	
XA124	location of death
XN315	hospice- days
XN316	hospice- number months

Hospice: Since Last Interview

Wave	Variable	Label	Type
0A	RAXHOSPICE	raxhospice: r any hospice stay since last ivw	Categ
0A	RAXHPCTIM	raxhpctim: r # hospice stays since last ivw	Cont
0A	RAXHPCNIT	raxhpcnit: r total # nights hospice stays since last ivw	Cont
0A	RAXHPCNITD	raxhpcnitd: r total duration hospice stays since last ivw	Categ
0A	RAXHPCSERV	raxhpcserv: r any hospice services since last ivw	Categ
0A	RAXHPCSNIT	raxhpcsnit: r total # nights use hospice services since last	Cont
0A	RAXHPCSNITD	raxhpcsnitd: r total duration use hospice services since las	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXHOSPICE	11532	0.10	0.30	0.00	1.00
RAXHPCTIM	11515	0.12	0.43	0.00	15.00
RAXHPCNIT	11494	2.07	16.39	0.00	730.00
RAXHPCNITD	11494	0.17	0.61	0.00	6.00
RAXHPCSERV	1230	0.46	0.50	0.00	1.00
RAXHPCSNIT	1189	23.05	64.08	0.00	365.00
RAXHPCSNITD	1189	1.06	1.51	0.00	6.00

Categorical Variable Codes

Value-----	RAXHOSPICE
.m:missing	2
.q:not asked this wave	1416
.r:refuse	2
0.no	10371
1.yes	1161

Value-----	RAXHPCNITD
.c:continuous since entry	9
.d:dk	27
.m:missing	4
.q:not asked this wave	1416
.r:refuse	2
0.0 nights	10374
1.less than 1 week	530
2.1 week to lt 1 month	390
3.1 month to lt 3 months	130
4.3 months to lt 6 months	46
5.6 months to lt 1 year	20
6.1 year or more	4

Value-----	RAXHPCSERV
.d:dk	10
.m:missing	2
.q:not asked this wave	11710
0.no	659
1.yes	571

Value-----	RAXHPCSNITD
.d:dk	51
.m:missing	2
.q:not asked this wave	11710
0.0 nights	659
1.less than 1 week	178
2.1 week to lt 1 month	153
3.1 month to lt 3 months	95
4.3 months to lt 6 months	46
5.6 months to lt 1 year	38
6.1 year or more	20

How Constructed:

RAXHOSPICE indicates whether the deceased respondent stayed overnight at a hospice facility since the previous interview/in the last 2 years. If the proxy reports that the respondent died in a hospice facility, the proxy is first asked the length of the respondent's final stay at the hospice facility before his/her death, recorded in RADHSPCNIT. Then the proxy is asked if the respondent had stayed overnight in a hospice facility since the previous interview/in the last 2 years in addition to the final hospice stay. If the proxy reports that the respondent died somewhere other than a hospice facility, the proxy is asked if the respondent stayed overnight in a hospice facility since the previous interview/in the last 2 years. RAXHOSPICE is coded as 0 if the proxy reports that the respondent had not been a patient in a hospice facility overnight and the proxy reports that the respondent did not die in a hospice facility. RAXHOSPICE is coded as 1 if the proxy reports that the respondent had been a patient in a hospice facility overnight or the proxy reports that the respondent died in a hospice facility. RAXHOSPICE is available starting in AHEAD wave 2 and HRS waves 3 through 11, and so is assigned special missing .q in HRS wave 2 and starting again in wave 12. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXHPCTIM indicates the number of times the deceased respondent was a patient overnight in a hospice facility since the previous interview/in the last 2 years, including the respondent's final stay if he/she died in a hospice facility. After answering whether the respondent had overnight stays in a hospice facility, other than his/her final hospice stay, the proxy is asked how many different times he/she was a patient in a hospice facility overnight since the previous interview/in the last 2 years including his/her final hospice stay if applicable. If the proxy reported that the respondent had not stayed overnight in a hospice facility, then RAXHPCTIM is set to 0. If the proxy reported that the respondent died in a hospice facility, but had not stayed in a hospice facility other than his/her final stay, then RAXHPCTIM is set to 1. If the proxy reported that the respondent stayed in a hospice facility other than his/her final stay, then RAXHPCTIM takes the value of the total number of hospice stays, including the final stay, reported by the proxy. RAXHPCTIM is available starting in AHEAD wave 2 and HRS waves 3 through 11, and so is assigned special missing .q in HRS wave 2 and starting again in wave 12. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXHPCNIT indicates the total number of nights the deceased respondent was a patient overnight in a hospice facility since the previous interview/in the last 2 years whether the respondent died in a hospice facility or not. RAXHPCNITD is a categorized version of RAXHPCNIT. After answering the number of times the respondent was a patient overnight in a hospice facility, the proxy is asked how long the respondent was a patient in a hospice facility since the previous interview/in the last 2 years including his/her final hospice stay if applicable. If the proxy reported that the respondent had not stayed overnight in a hospice facility, then RAXHPCNIT is set to 0. If the proxy reported that the respondent died in a hospice facility, and the respondent had not stayed in a hospice facility other than his/her final hospice stay, then RAXHPCNIT is assigned the number of nights of the respondent's final stay, recorded in RADHSPCNIT. If the proxy reported that the respondent had stayed in a hospice facility other than his/her final hospice stay, then RAXHPCNIT is assigned the total number of nights of all hospice stays, including the final stay, as reported by the proxy. In all waves the proxy can respond with the number of nights. Starting in wave 4, the proxy can also respond with the number of months, or that the respondent's stay was continuous since he/she entered. All values have been converted to days for RAXHPCNIT, and are categorized for RAXHPCNITD. RAXHPCNITD is coded as follows: 0.zero nights,

1.less than one week, 2.one week to less than one month, 3.one month to less than three months, 4.three months to less than six months, 5.six months to less than one year, 6.one year or more. RAXHPCNIT and RAXHPCNITD are assigned special missing .c if the proxy reports a continuous stay at a hospice facility because no entrance date is available to calculate the number of nights. RAXHPCNIT and RAXHPCNITD are available starting in AHEAD wave 2 and HRS waves 3 through 11, and are assigned special missing .q in HRS wave 2 and starting again in wave 12. For clarification, RAXHPCNIT and RAXHPCNITD are equivalent to the nonmissing values in RADHSPCNIT and RADHSPCNITD, respectively, if the respondent had a total of one hospice facility stay and died in a hospice facility. Don't know, refused, or other missing responses for RAXHPCNIT and RAXHPCNITD are assigned special missing .d, .r, .m, respectively.

RAXHPCSERV indicates whether the deceased respondent received any hospice services since the previous interview/in the last 2 years. In the HRS Exit interview, hospice services are described as follows: "Hospice specializes in taking care of patients with terminal illness and their families. Hospice care is typically given by a nurse trained in hospice care. It is not the same as home health." RAXHOSPICE, RAXHPCTIM, RAXHPCNIT, and RAXHPCNITD offer information on hospice services received specifically at a dedicated hospice facility, whereas RAXHPCSERV, RAXHPCSNIT, and RAXHPCSNITD offer information on hospice services received at any location. RAXHPCSERV is coded as 0 if the proxy reports that the respondent did not receive any hospice services. RAXHPCSERV is coded as 1 if the proxy reports that the respondent did receive hospice services. RAXHPCSERV is available starting in wave 12, and so is assigned special missing .q in waves 2 through 11. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXHPCSNIT indicates the length of time the deceased respondent received hospice services since the previous interview/in the last 2 years. RAXHPCSNITD is a categorized version of RAXHPCSNIT. After answering whether the respondent received hospice services, the proxy is asked how long in total hospice services were in place before his/her death. The proxy can respond with the number of days or the number of months. RAXHPCSNIT is assigned a value of 0 if the respondent did not receive any hospice services. All values have been converted to days for RAXHPCSNIT, and are categorized for RAXHPCSNITD. RAXHPCSNITD is coded as follows: 0.zero nights, 1.less than one week, 2.one week to less than one month, 3.one month to less than three months, 4.three months to less than six months, 5.six months to less than one year, 6.one year or more. RAXHPCSNITD is available starting in wave 12, and is assigned special missing .q in waves 2 through 11. Don't know, refused, or other missing responses for RAXHPCSNITD are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

Questions regarding the respondent's hospice facility stays are not asked in HRS wave 2 and again starting in wave 12.

The proxy can report the respondent's length of stay at a hospice facility in different ways across waves. In all waves the proxy can respond with the number of nights. Starting in wave 4 through wave 11, the proxy can also respond with the number of months, or that the respondent's stay was continuous since he/she entered.

There is a transition in wave 12 regarding the questions asked about hospice. In AHEAD wave 2 and HRS waves 3 through 11, questions about hospice are asked regarding stays in a hospice facility. Starting in wave 12, questions about hospice are asked regarding the use of hospice services. Because of this difference in language, we created separate variables indicating the stays at hospice facilities versus the use of hospice services.

Questions regarding the respondent's use of hospice services are not asked prior to wave 12.

HRS Variables Used:

Wave 2A Exit:

N1694	ex10f.hospice # nights - final
N1695	ex10fa.months
N1699	ex10g.hospice-yr
N1700	ex10h.hospice # times

N1701 ex10j.hospice-1 nights

Wave 3 Exit:

P1275 ex10f.hospice # nights - final
P1276 ex10fa.months
P1280 ex10g.hospice-yr
P1281 ex10h.hospice # times
P1282 ex10j.hospice-1 nights

Wave 4 Exit:

Q1757 e10xf. hospice # nights - final
Q1758 e10xfa.number of months
Q1759 e10xfb.date-month
Q1761 e10xfd.date-year
Q1764 ex10g.hospice stay - not final
Q1765 ex10h. hospice # times
Q1766 ex10j. hospice-1 nights
Q1767 ex10ja.hospice-1 months

Wave 5 Exit:

R1768 e10xf. hospice # nights - final
R1769 e10xfa.hospice-months
R1770 e10xfb.hospice date-month
R1772 e10xfd.hospice date-year
R1775 ex10g. hospice-yr
R1776 ex10h. hospice # times
R1777 ex10j. hospice-1 nights
R1778 ex10ja.hospice-1 months

Wave 6 Exit:

SA065 month moved to nh
SA066 year moved to nurs home
SA124 location of death
SN315 hospice- days
SN316 hospice- number months
SN317 hospice- since month
SN319 hospice- since year
SN320 since last iw- hospice patient
SN321 hospice patient # times
SN322 since last iw- hospice # nights

Wave 7 Exit:

TA065 month moved to nh
TA066 year moved to nurs home
TA124 location of death
TN315 hospice- days
TN316 hospice- number months
TN320 since last iw- hospice patient
TN321 hospice patient # times
TN322 since last iw- hospice # nights

Wave 8 Exit:

UA065 month moved to nh
UA066 year moved to nurs home
UA124 location of death
UN315 hospice- days
UN316 hospice- number months
UN320 since last iw- hospice patient
UN321 hospice patient # times
UN322 since last iw- hospice # nights
UN323 since last iw- hospice # months

Wave 9 Exit:

VA065 month moved to nh
VA066 year moved to nurs home
VA124 location of death
VN315 hospice- days
VN316 hospice- number months
VN320 since last iw- hospice patient
VN321 hospice patient # times

```
VN322      since last iw- hospice # nights
VN323      since last iw- hospice # months
Wave 10 Exit:
WA065      month moved to nh
WA066      year moved to nurs home
WA124      location of death
WN315      hospice- days
WN316      hospice- number months
WN320      since last iw- hospice patient
WN321      hospice patient # times
WN322      since last iw- hospice # nights
WN323      since last iw- hospice # months
Wave 11 Exit:
XA065      month moved to nh
XA066      year moved to nurs home
XA124      location of death
XN315      hospice- days
XN316      hospice- number months
XN320      since last iw- hospice patient
XN321      hospice patient # times
XN322      since last iw- hospice # nights
XN323      since last iw- hospice # months
Wave 12 Exit:
YN436      hospice service
YN437      hospice service how long days
YN438      hospice service how long months
```

Hospital, Hospice, or Nursing Home: Since Last Interview

Wave	Variable	Label	Type
0A	RAXHHNH	raxhhnh: r any hospital, hospice, or nursing home stays sinc	Categ
0A	RAXHHNTIM	raxhhntim: r # hospital, hospice, or nursing home stays sinc	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXHHNH	11710	0.85	0.35	0.00	1.00
RAXHHNTIM	11282	2.89	3.94	0.00	111.00

Categorical Variable Codes

Value-----	RAXHHNH
.q:not asked this wave	1242
0.no	1703
1.yes	10007

How Constructed:

RAXHHNH indicates whether the deceased respondent was a patient overnight in a hospital, hospice facility, or nursing home since the previous interview/in the last 2 years, including the respondent's final stay in a hospital, hospice facility, or nursing home, if applicable. RAXHHNH is coded as 0 if the proxy reported that the respondent did not stay in a hospital, hospice facility, or nursing home since the previous interview/in the last 2 years. RAXHHNH is coded as 1 if the proxy reported that the respondent stayed at least once in a hospital, hospice facility, or nursing home since the previous interview/in the last 2 years. Because use of a hospice facility is not asked about in HRS wave 2, this variable is not available and is assigned special missing .q in this wave. Because the question changes from use of a hospice facility to use of hospice services in wave 12, this variable is no longer available and is assigned special missing .q starting in wave 12. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXHHNTIM indicates the number of times the deceased respondent was a patient overnight in a hospital, hospice facility, or nursing home since the previous interview/in the last 2 years. RAXHHNTIM is a sum of the number of reported stays at a hospital, hospice facility, and nursing home, as long as at least one of the values is not missing. Because use of a hospice facility is not asked about in HRS wave 2, this variable is not available and is assigned special missing .q in this wave. Because the question changes from use of a hospice facility to use of hospice services in wave 12, this variable is no longer available and is assigned special missing .q starting in wave 12. If the number of stays at all of these locations has been answered don't know, refused, or is otherwise missing, then RAXHHNTIM takes the respective special missing value, .d, .r, .m.

Cross Wave Differences in HRS

The use of hospice facilities is not asked about in HRS wave 2 or again starting in wave 12. Starting in wave 12, the HRS no longer asks about the use of hospice facilities, but rather asks about the use of hospice services.

HRS Variables Used:

Wave	Exit:	Variable
N1664		e1.hospital-yr
N1665		e2.hospital times

```
N1666      e3.hosp-1 #nights
N1674      e4x.nursing home # nights - final
N1675      e4xax.months
N1676      e4xbx.date-month
N1678      e4xdx.date-year
N1681      e5.nursing home-yr
N1682      e6.nurhm # times
N1683      e7.nurhm-1 nights
N1684      e7a.nurhm-1 months
N1694      ex10f.hospice # nights - final
N1695      ex10fa.months
N1699      ex10g.hospice-yr
N1700      ex10h.hospice # times
N1701      ex10j.hospice-1 nights
N249      cs11.r-where live
N417      cs25.month moved to nurs home
N418      cs25a.year moved to nurs home

Wave 3 Exit:
P1238      ex1.hospital # nights - final
P1238A     ex1.hospital # nights - final -per
P1245      e1. hospital-yr
P1246      e2. hospital times
P1247      e3. hosp-1 #nights
P1255      e4x.nursing home # nights - final
P1256      e4xax.months
P1257      e4xbx.date-month
P1259      e4xdx.date-year
P1262      e5. nursing home-yr
P1263      e6. nurhm # times
P1264      e7. nurhm-1 nights
P1265      e7a.nurhm-1 months
P1275      ex10f.hospice # nights - final
P1276      ex10fa.months
P1280      ex10g.hospice-yr
P1281      ex10h.hospice # times
P1282      ex10j.hospice-1 nights
P418      cs25a.year moved to nurs home

Wave 4 Exit:
Q1722      ex1.how long in hospital before death
Q1723      ex1a.units in hospital
Q1728      e1. hospital-yr
Q1729      e2. hospital times
Q1730      e3. hosp-1 #nights
Q1736      e4x.nursing home # nights - final
Q1737      e4xax.number of months
Q1738      e4xbx.date-month
Q1740      e4xdx.date-year
Q1743      e5. nursing home-yr
Q1744      e6. nurhm # times
Q1745      e7. nurhm-1 nights
Q1746      e7a.nurhm-1 months
Q1757      e10xf. hospice # nights - final
Q1758      e10xfa.number of months
Q1759      e10xfb.date-month
Q1761      e10xfd.date-year
Q1764      ex10g.hospice stay - not final
Q1765      ex10h. hospice # times
Q1766      ex10j. hospice-1 nights
Q1767      ex10ja.hospice-1 months
Q720      cs25.month moved to nurs home
Q721      cs25.year moved to nurs home

Wave 5 Exit:
R1735      ex1.how long in hospital before death
```

R1736	ex1a.units in hospital
R1739	e1. hospital-yr
R1740	e2. hospital times
R1741	e3. hosp-1 #nights
R1747	e4x.nursing home # nights - final
R1748	e4xax.months
R1749	e4xbx.date-month
R1751	e4xdx.date-year
R1754	e5. nursing home-yr
R1755	e6. nurhm # times
R1756	e7. nurhm-1 nights
R1757	e7a.nurhm-1 months
R1768	e10xf. hospice # nights - final
R1769	e10xfa.hospice-months
R1770	e10xfb.hospice date-month
R1772	e10xfd.hospice date-year
R1775	ex10g. hospice-yr
R1776	ex10h. hospice # times
R1777	ex10j. hospice-1 nights
R1778	ex10ja.hospice-1 months
R789	cs25.month moved to nurs home
R790	cs25a.(cs25) year moved to nurs home
Wave 6 Exit:	
SN099	overnight stay in hosp-since prev iw/2yr
SN100	num times r stayed overnight in hosp
SN114	ever patient overnight in nursing home
SN115	# times spent overnight in nursing home
SN301	time in hospital before death
SN302	time in hospital before death- unit
SN309	nursing home b/f death- days
SN310	nursing home b/f death- months
SN311	nursing home b/f death- since month
SN313	nursing home b/f death- since year
SN315	hospice- days
SN316	hospice- number months
SN317	hospice- since month
SN319	hospice- since year
SN320	since last iw- hospice patient
SN321	hospice patient # times
Wave 7 Exit:	
TN099	overnight stay in hosp-since prev iw/2yr
TN100	num times r stayed overnight in hosp
TN114	ever patient overnight in nursing home
TN115	# times spent overnight in nursing home
TN257	nursing home b/f death- years
TN258	year entered nursing home
TN259	month entered nursing home
TN301	time in hospital before death
TN302	time in hospital before death- unit
TN309	nursing home b/f death- days
TN310	nursing home b/f death- months
TN315	hospice- days
TN316	hospice- number months
TN320	since last iw- hospice patient
TN321	hospice patient # times
Wave 8 Exit:	
UN099	overnight stay in hosp-since prev iw/2yr
UN100	num times r stayed overnight in hosp
UN114	ever patient overnight in nursing home
UN115	# times spent overnight in nursing home
UN257	nursing home b/f death- years
UN258	year entered nursing home
UN259	month entered nursing home

```
UN301      time in hospital before death
UN302      time in hospital before death- unit
UN309      nursing home b/f death- days
UN310      nursing home b/f death- months
UN315      hospice- days
UN316      hospice- number months
UN320      since last iw- hospice patient
UN321      hospice patient # times
Wave 9 Exit:
VN099      overnight stay in hosp-since prev iw/2yr
VN100      num times r stayed overnight in hosp
VN114      ever patient overnight in nursing home
VN115      # times spent overnight in nursing home
VN257      nursing home b/f death- years
VN258      year entered nursing home
VN259      month entered nursing home
VN301      time in hospital before death
VN302      time in hospital before death- unit
VN309      nursing home b/f death- days
VN310      nursing home b/f death- months
VN315      hospice- days
VN316      hospice- number months
VN320      since last iw- hospice patient
VN321      hospice patient # times
Wave 10 Exit:
WN099      overnight stay in hosp-since prev iw/2yr
WN100      num times r stayed overnight in hosp
WN114      ever patient overnight in nursing home
WN115      # times spent overnight in nursing home
WN257      nursing home b/f death- years
WN301      time in hospital before death
WN302      time in hospital before death- unit
WN309      nursing home b/f death- days
WN310      nursing home b/f death- months
WN315      hospice- days
WN316      hospice- number months
WN320      since last iw- hospice patient
WN321      hospice patient # times
Wave 11 Exit:
XN099      overnight stay in hosp-since prev iw/2yr
XN100      num times r stayed overnight in hosp
XN114      ever patient overnight in nursing home
XN115      # times spent overnight in nursing home
XN257      nursing home b/f death- years
XN301      time in hospital before death
XN302      time in hospital before death- unit
XN309      nursing home b/f death- days
XN310      nursing home b/f death- months
XN315      hospice- days
XN316      hospice- number months
XN320      since last iw- hospice patient
XN321      hospice patient # times
```

Out-Of-Pocket Medical Costs

Wave	Variable	Label	Type
0A	RAXOOPHONH	raxoophonh: r oop cost: hospital and nursing home	Cont
0A	RAXOOPHONHF	raxoophonhf: r oop cost flag: hospital and nursing home	Categ
0A	RAXOOPHOS	raxoophos: r oop cost: hospital	Cont
0A	RAXOOPHOSF	raxoophosf: r oop cost flag: hospital	Categ
0A	RAXOOPNH	raxoopnh: r oop cost: nursing home	Cont
0A	RAXOOPNHF	raxoopnhf: r oop cost flag: nursing home	Categ
0A	RAXOOPHPC	raxoophpc: r oop cost: hospice	Cont
0A	RAXOOPHPCF	raxoophpcf: r oop cost flag: hospice	Categ
0A	RAXOOPDOC	raxoopdoc: r oop cost: doctor visits	Cont
0A	RAXOOPDOCF	raxoopdocf: r oop cost flag: doctor visits	Categ
0A	RAXOOPDRUG	raxoopdrug: r oop cost: drugs	Cont
0A	RAXOOPDRUGF	raxoopdrugf: r oop cost flag: drugs	Categ
0A	RAXOOPSPHM	raxoopsphm: r oop cost: spec fac and home care	Cont
0A	RAXOOPSPHMF	raxoopsphmf: r oop cost flag: spec fac and home care	Categ
0A	RAXOOPSPEC	raxoopspec: r oop cost: special facility	Cont
0A	RAXOOPSPECF	raxoopspecf: r oop cost flag: special facility	Categ
0A	RAXOOPHMCR	raxoophmcr: r oop cost: home care	Cont
0A	RAXOOPHMCRF	raxoophmcrf: r oop cost flag: home care	Categ
0A	RAXOOPOME	raxoopome: r oop cost: other med exp	Cont
0A	RAXOOPOMEF	raxoopomef: r oop cost flag: other med exp	Categ
0A	RAXOOPOSRG	raxooposrg: r oop cost: outpatient surgery	Cont
0A	RAXOOPOSRGF	raxooposrgf: r oop cost flag: outpatient surgery	Categ
0A	RAXOOPDEN	raxoopden: r oop cost: dental	Cont
0A	RAXOOPDENF	raxoopdenf: r oop cost flag: dental	Categ
0A	RAXOOPMD	raxoopmd: r oop cost: total major medical expenses	Cont
0A	RAXOOPMDF	raxoopmdf: r oop cost flag: total major medical expenses	Categ
0A	RAXOOPMDP	raxoopmdp: r oop cost: total major medical expenses plus	Cont
0A	RAXOOPMDPF	raxoopmdpf: r oop cost flag: total major medical expenses pl	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXOOPHONH	3550	4094.64	15539.92	0.00	203804.36
RAXOOPHONHF	3550	4.54	2.15	1.00	7.00
RAXOOPHOS	9228	1924.00	18667.06	0.00	534759.31
RAXOOPHOSF	9228	4.77	2.05	1.00	7.00
RAXOOPNH	9228	4824.48	25725.71	0.00	1137440.75
RAXOOPNHF	9228	5.07	1.90	1.00	7.00
RAXOOPHPC	12778	159.67	4947.08	0.00	322785.44
RAXOOPHPCF	12778	5.70	1.18	1.00	7.00
RAXOOPDOC	12778	857.49	6342.37	0.00	200534.75
RAXOOPDOCF	12778	4.44	2.24	1.00	7.00
RAXOOPDRUG	12778	2817.56	7811.35	0.00	193995.39
RAXOOPDRUGF	12778	3.30	2.40	1.00	7.00
RAXOOPSPHM	3550	614.57	8935.25	0.00	425392.66
RAXOOPSPHMF	3550	5.14	1.85	1.00	7.00
RAXOOPSPEC	9228	465.34	2985.01	0.00	70736.44
RAXOOPSPECF	9228	5.58	1.10	1.00	7.00
RAXOOPHMCR	9228	541.35	7009.39	0.00	315457.41
RAXOOPHMCRF	9228	5.67	1.32	1.00	7.00
RAXOOPOME	12778	496.40	5590.36	0.00	315457.41
RAXOOPOMEF	12778	5.12	1.87	1.00	7.00
RAXOOPOSRG	3872	59.64	521.32	0.00	13812.16
RAXOOPOSRGF	3872	5.82	0.99	1.00	7.00
RAXOOPDEN	3872	280.18	1016.36	0.00	16853.93
RAXOOPDENF	3872	4.85	2.14	1.00	7.00
RAXOOPMD	12778	11240.05	34958.68	0.00	1137440.75
RAXOOPMDF	12778	3.30	2.29	1.00	7.00
RAXOOPMDP	3872	10984.56	24526.33	0.00	279844.97
RAXOOPMDPF	3872	3.49	2.35	1.00	7.00

Categorical Variable Codes

Value-----	RAXOOPHONHF
.q:not asked this wave	9402
1.continuous value	709
2.closed bracket	374
3.open bracket	26
5.no bracket info	91
6.no expense	2338
7.dk had expense	12

Value-----	RAXOOPHOSF
.q:not asked this wave	3724
1.continuous value	1385
2.closed bracket	1131
5.no bracket info	1
6.no expense	6595
7.dk had expense	116

Value-----	RAXOOPNHF
.q:not asked this wave	3724
1.continuous value	1323
2.closed bracket	509
5.no bracket info	8
6.no expense	7345
7.dk had expense	43

Value-----	RAXOOPHPCF
.q:not asked this wave	174
1.continuous value	669
2.closed bracket	135
5.no bracket info	2
6.no expense	11938
7.dk had expense	34

Value-----	RAXOOPDOCF
.q:not asked this wave	174
1.continuous value	2450
2.closed bracket	2061
3.open bracket	14
5.no bracket info	126
6.no expense	7454
7.dk had expense	673

Value-----	RAXOOPDRUGF
.q:not asked this wave	174
1.continuous value	5252
2.closed bracket	2161
3.open bracket	30
5.no bracket info	119
6.no expense	4601
7.dk had expense	615

Value-----	RAXOOPSPHMF
.q:not asked this wave	9402
1.continuous value	496
2.closed bracket	141
3.open bracket	5
5.no bracket info	59
6.no expense	2798
7.dk had expense	51

Value-----	RAXOOPSPECF
.q:not asked this wave	3724
1.continuous value	339
2.closed bracket	163
5.no bracket info	1697
6.no expense	6891
7.dk had expense	138

Value-----	RAXOOPHMCRF
.q:not asked this wave	3724
1.continuous value	466
2.closed bracket	305
5.no bracket info	6
6.no expense	7970
7.dk had expense	481

Value-----	RAXOOPOMEF
.q:not asked this wave	174
1.continuous value	1736
2.closed bracket	613
3.open bracket	121
5.no bracket info	31
6.no expense	9942
7.dk had expense	335

Value-----	RAXOOPOSRGF
.q:not asked this wave	9080
1.continuous value	108
2.closed bracket	68
6.no expense	3579
7.dk had expense	117

Value-----	RAXOOPDENF
.q:not asked this wave	9080
1.continuous value	781
2.closed bracket	194
5.no bracket info	2
6.no expense	2646
7.dk had expense	249

Value-----	RAXOOPMDF
.q:not asked this wave	174
1.continuous value	4151
2.closed bracket	3274
3.open bracket	116
5.no bracket info	1769
6.no expense	2023
7.dk had expense	1445

Value-----	RAXOOPMDPF
.q:not asked this wave	9080
1.continuous value	1268
2.closed bracket	773
3.open bracket	28
5.no bracket info	832
6.no expense	345
7.dk had expense	626

How Constructed:

RAXOOPHONH, RAXOOPHOS, RAXOOPNH, RAXOOPHPC, RAXOOPDOC, RAXOOPDRUG, RAXOOPSPEC, RAXOOPOME, RAXOOPHMCR, RAXOOPOSRG, RAXOOPDEN, RAXOOPMD, and RAXOOPMDP provide information on out-of-pocket medical expenses. All have been adjusted to 2010 dollars based on the consumer price index for the year of death.

RAXOOPHONH, RAXOOPHOS, RAXOOPNH, RAXOOPHPC, RAXOOPDOC, RAXOOPDRUG, RAXOOPSPHM, RAXOOPSPEC, RAXOOPHMCR, RAXOOPOME, RAXOOPOSRG, and RAXOOPDEN are the out-of-pocket costs for specific major medical expenses and include imputed values to address item-missingness. The proxy is asked about how much the respondent paid out-of-pocket for each major medical expenditure since the previous interview or in the last 2 years before death. If the proxy answers don't know or refuses to answer, a series of unfolding bracket questions is asked to obtain a minimum and maximum bracket value of the out-of-pocket expenses. If the respondent did not use one of the specified services, then the out-of-pocket cost for that item is assumed to be 0.

RAXOOPHONH is the out-of-pocket costs for hospital and nursing home stays and includes imputed values. RAXOOPHONH is available in AHEAD wave 2 and HRS waves 2 through 5, and so is assigned special missing .q in HRS wave 2 and starting in wave 6. RAXOOPHOS is the out-of-pocket costs for hospital stays and includes imputed values. RAXOOPHOS is available starting in wave 6, and so is assigned special missing .q in AHEAD wave 2 and HRS waves 2 through 5. RAXOOPNH is the out-of-pocket costs for nursing home stays and includes imputed values. RAXOOPNH is available starting in wave 6, and so is assigned special missing .q in AHEAD wave 2 and HRS waves 2 through 5. RAXOOPHPC is the out-of-pocket costs for hospice and includes imputed values. In AHEAD wave 2 and HRS waves 3 through 11, this includes the cost of hospice stays, whereas starting in wave 12, this includes the use of hospice services. RAXOOPHPC is available starting in AHEAD wave 2 and HRS wave 3, and so is assigned special missing .q in

HRS wave 2. RAXOOPDOC is the out-of-pocket costs for doctor visits and includes imputed values. RAXOOPDOC is available starting in AHEAD wave 2 and HRS wave 3, and so is assigned special missing .q in HRS wave 2. RAXOOPDRUG is the out-of-pocket costs for drug expenses and includes imputed values. RAXOOPDRUG is available starting in AHEAD wave 2 and HRS wave 3, and so is assigned special missing .q in HRS wave 2. RAXOOPSPHM is the out-of-pocket costs for special facilities and services and in-home medical care and includes imputed values. RAXOOPSPHM is available in AHEAD wave 2 and HRS waves 2 through 5, and so is assigned special missing .q in HRS wave 2 and starting in wave 6. RAXOOPSPEC is the out-of-pocket costs for special facilities and services, including adult care, social workers, outpatient rehab, and transportation or meals for the elderly, and includes imputed values. RAXOOPSPEC is available starting in wave 6, and so is assigned special missing .q in AHEAD wave 2 and HRS waves 2 through 5. RAXOOPHMCR is the out-of-pocket costs for in-home medical care and includes imputed values. RAXOOPHMCR is available starting in wave 6, and so is assigned special missing .q in AHEAD wave 2 and HRS waves 2 through 5. RAXOOPOME is the out-of-pocket costs for other medical expenses not covered by insurance, including medications, special food, equipment, visits by health professionals, or other costs, and includes imputed values. RAXOOPOME is available starting in AHEAD wave 2 and HRS wave 3, and so is assigned special missing .q in HRS wave 2. RAXOOPOSRG is the out-of-pocket costs for outpatient surgery and includes imputed values. RAXOOPOSRG is available starting in wave 10, and so is assigned special missing .q in AHEAD wave 2 and HRS waves 2 through 9. RAXOOPDEN is the out-of-pocket costs for dental care and includes imputed values. RAXOOPDEN is available starting in HRS wave 10, and so is assigned special missing .q in AHEAD wave 2 and HRS waves 2 through 9.

In AHEAD wave 2 and HRS wave 3, if the proxy does not give an exact amount for each out-of-pocket expenditure, the proxy is asked a set of bracket questions and answers if the true value was more than the threshold value. In waves 4 and onward, if the proxy does not give an exact amount for each out-of-pocket expenditure, the proxy is asked a set of bracket questions and answers if the true value was less than, about equal to, or more than the threshold value. The threshold values are different based on each component. The threshold values for hospital/nursing home stays and for hospice are \$500, \$5,000, \$10,000, \$20,000, \$50,000. In AHEAD wave 2 and HRS waves 3 through 5, the threshold values for doctor visits are \$200, \$500, \$1,000, \$5,000, \$20,000. Starting in wave 6, the threshold values for doctor visits are \$500, \$2,000, \$5,000, \$10,000, \$20,000. In AHEAD wave 2 and HRS waves 3 through 7, the threshold values for drug expenses are \$5, \$10, \$20, \$100, \$500, and are asked per month. Starting in wave 8, the threshold values for drug expenses are \$20, \$40, \$100, \$200, \$500, and are asked per month. The values for drug expenses are multiplied by 24 to obtain the cost over the last 2 years. In AHEAD wave 2 and HRS waves 3 through 5, the threshold values for in-home medical care, special facilities or services, and other medical expenses not covered by insurance are \$500, \$1,000, \$5,000, \$10,000, \$20,000. Starting in wave 6, the threshold values for in-home medical care, special facilities or services, and other medical expenses not covered by insurance are \$500, \$2,000, \$5,000, \$10,000, \$20,000. The threshold values for outpatient surgery are \$500, \$2,000, \$5,000, \$10,000, \$20,000. The threshold values for dental expenses are \$100, \$200, \$400, \$1,000, \$3,000. This information is used in the imputation of RAXOOPHONH, RAXOOPHOS, RAXOOPNH, RAXOOPHPC, RAXOOPDOC, RAXOOPDRUG, RAXOOPSPHM, RAXOOPSPEC, RAXOOPHMCR, RAXOOPOME, RAXOOPOSRG, and RAXOOPDEN to address item-level missingness in these variables.

RAXOOPHONHF, RAXOOPHOSF, RAXOOPNHF, RAXOOPHPCF, RAXOOPDOCF, RAXOOPDRUGF, RAXOOPSPHMF, RAXOOPSPECF, RAXOOPHMCRF, RAXOOPOMEF, RAXOOPOSRGF, and RAXOOPDENF are flag variables indicating the level of imputation for the specified out-of-pocket expense. A code of 1 indicates the proxy reported a continuous value and no imputation was necessary. A code of 2 indicates that the component was imputed based on a closed bracket. A code of 3 indicates that the component was imputed based on an open bracket. A code of 5 indicates that the component was imputed without any bracket information. A code of 6 indicates the proxy reported the respondent not having the expense and the value is 0. A code of 7 indicates that the proxy was not sure whether the respondent had the expense. These variables are not available in HRS wave 2, and are assigned special missing .q in this wave. RAXOOPHONHF and RAXOOPSPHMF are not available in waves 6 through 12, RAXOOPHOSF, RAXOOPNHF, RAXOOPSPEC, and RAXOOPHMCRF are not available in AHEAD wave 2 and HRS waves 3 through 5, and RAXOOPOSRGF and RAXOOPDENF are not available in AHEAD wave 2 and HRS waves 3 through 9, in which case the variables are assigned special missing .q.

RAXOOPMD is the total out-of-pocket costs for major medical expenses and includes imputed values. The proxy is asked about how much the respondent paid out-of-pocket for each major medical expenditure since the previous interview or in the last 2 years before death. If the proxy answers don't know or refuses to answer, a series of unfolding bracket questions is asked to obtain a minimum and maximum bracket value of the out-of-pocket expenses. RAXOOPMD is the sum of reported or imputed out-of-pocket expenses for hospital stays, nursing home stays, hospice, doctor visits, drug expenses, special facilities or services, in-home medical care, and other medical expenses not covered by insurance ($RAXOOPMD = [RAXOOPHONH \text{ or } (RAXOOPHOS + RAXOOPNH)] + RAXOOPHPC + RAXOOPDOC + RAXOOPDRUG + [RAXOOPSPHM \text{ or } (RAXOOPSPEC + RAXOOPHMCR)] + RAXOOPOME$). In AHEAD wave 2 and HRS waves 3 through 11, this includes the cost of hospice stays, whereas starting in wave 12, this includes the use of hospice services. If the respondent did not use one of the specified services, then the out-of-pocket cost for that item is assumed to be 0. RAXOOPMD has been adjusted to 2010 dollars based on the consumer price index for the year of death. Please note that in AHEAD wave 2 and HRS waves 3 through 5, the cost of hospital stays and nursing home stays are asked together, but starting in wave 6, the cost of hospital stays and nursing home stays are asked separately. Also in AHEAD wave 2 and HRS waves 3 through 5, the cost of special facilities and services and in-home medical care are asked together, but starting in wave 6, the cost of special facilities and services and in-home medical care are asked separately. RAXOOPMD is not available in HRS wave 2, and is assigned special missing .q in this wave.

RAXOOPMDF is a flag variable indicating the highest level of imputation of the components of RAXOOPMD. A code of 1 indicates the proxy reported continuous values for all components and no imputation was necessary. A code of 2 indicates that at least one component was imputed based on a closed bracket. A code of 3 indicates that at least one component was imputed based on an open bracket. A code of 5 indicates that at least one component was imputed without any bracket information. A code of 6 indicates the proxy reported the respondent not having any of the expenses and the value is 0. A code of 7 indicates that the proxy was unsure whether the respondent had at least one of the expenses. RAXOOPMDF is not available in HRS wave 2, and is assigned special missing .q in this wave.

RAXOOPMDP is the total out-of-pocket costs for major medical expenses plus other items and includes imputed values. The proxy is asked about how much the respondent paid out-of-pocket for each major medical expenditure since the previous interview or in the last 2 years before death. If the proxy answers don't know or refuses to answer, a series of unfolding bracket questions is asked to obtain a minimum and maximum bracket value of the out-of-pocket expenses. RAXOOPMDP is the sum of reported or imputed out-of-pocket expenses for major medical expenses, as reported in RAXOOPMD, plus outpatient surgery and dental expenses. Therefore, RAXOOPMDP includes reported or imputed out-of-pocket expenses for hospital stays, nursing home stays, hospice, doctor visit, drug expenses, in-home medical care, special facilities or services, other medical expenses not covered by insurance, outpatient surgery, and dental expenses ($RAXOOPMDP = [RAXOOPHONH \text{ or } (RAXOOPHOS + RAXOOPNH)] + RAXOOPHPC + RAXOOPDOC + RAXOOPDRUG + [RAXOOPSPHM \text{ or } (RAXOOPSPEC + RAXOOPHMCR)] + RAXOOPOME + RAXOOPOSRG + RAXOOPDEN$). If the respondent did not use one of the specified services, then the out-of-pocket cost for that item is assumed to be 0. RAXOOPMDP has been adjusted to 2010 dollars based on the consumer price index for the year of death. RAXOOPMDP is available starting in wave 10, and so is assigned special missing .q in AHEAD wave 2, and HRS waves 2 through 9.

RAXOOPMDPF is a flag variable indicating the highest level of imputation of the components of RAXOOPMDP. A code of 1 indicates the proxy reported continuous values for all components and no imputation was necessary. A code of 2 indicates that at least one component was imputed based on a closed bracket. A code of 3 indicates that at least one component was imputed based on an open bracket. A code of 5 indicates that at least one component was imputed without any bracket information. A code of 6 indicates the proxy reported the respondent not having any of the expenses and the value is 0. A code of 7 indicates that the proxy was unsure whether the respondent had at least one of the expenses.

Cross Wave Differences in HRS

Questions about the cost of hospital stays, nursing home stays, hospice, doctor visits, drug expenses, special facilities or services, in-home medical care, and other medical expenses not covered by insurance are available starting in AHEAD wave 2 and HRS wave 3 and onward.

Questions about the cost of outpatient surgery and dental expenses are available starting in wave 10 and onward.

In HRS waves 2 and 3 and AHEAD wave 2, bracket questions are asked if the true value is more than the threshold value. Starting in wave 4, bracket questions are asked if the true value is less than, about equal to, or more than the threshold value.

In AHEAD wave 2 and HRS waves 3 through 5, the cost of hospital stays and nursing home stays are asked together, but starting in wave 6, the cost of hospital stays and nursing home stays are asked about separately. In AHEAD wave 2 and HRS waves 3 through 5, the cost of in-home medical care and special facilities or services are asked about together, but starting in wave 6, the cost of in-home medical care and special facilities or services are asked about separately. In AHEAD wave 2 and HRS waves 3 through 11, the proxy is asked about the cost of hospice stays, whereas starting in wave 12, the proxy is asked about the cost for the use of hospice services.

HRS Variables Used:

Wave 2A Exit:

N1664	e1.hospital-yr
N1672	e4.hosp \$ not cov
N1681	e5.nursing home-yr
N1686	e8.nurhm not cov
N1688	e10.nurhm or hosp r pay \$
N1689	e10a.nurhm or hosp dk-1
N1690	e10b.nurhm or hosp dk-2
N1691	e10c.nurhm or hosp dk-3
N1692	e10d.nurhm or hosp dk-4
N1693	e10e.nurhm or hosp dk-5
N1699	ex10g.hospice-yr
N1702	ex10k.hospice not cov
N1703	ex10m.hospice r pay \$
N1704	ex10n.hospice dk-1
N1705	ex10p.hospice dk-2
N1706	ex10q.hospice dk-3
N1707	ex10r.hospice dk-4
N1708	ex10s.hospice dk-5
N1709	e11.dr times
N1712	e13.dr, not cov
N1732	e18a.doctor/out/dental r pay \$
N1733	e18b.dk-1
N1734	e18c.dk-2
N1735	e18d.dk-3
N1736	e18e.dk-4
N1737	e18f.dk-5
N1744	e20.drugs-yr
N1748	e21.drugs, not cov
N1749	e21a.prescr r pay \$
N1750	e21b.prescr dk-1
N1751	e21c.prescr dk-2
N1752	e21d.prescr dk-3
N1753	e21e.prescr dk-4
N1754	e21f.prescr dk-5
N1760	e22.in-home serv
N1762	e23.in-home r pay \$
N1774	e24.r use service
N1781	e24a.special r pay \$
N1782	e24b.special dk-1
N1783	e24c.special dk-2
N1784	e24d.special dk-3
N1785	e24e.special dk-4
N1786	e24f.special dk-5
N1791	e25x.other out-of-pocket

N1792 e25ax.other r pay \$
N1793 e25bx.other dk-1
N1794 e25cx.other dk-2
N1795 e25dx.other dk-3
N1796 e25ex.other dk-4
N1797 e25fx.other dk-5
N249 cs11.r-where live

Wave 3 Exit:

P1245 e1. hospital-yr
P1253 e4. hosp \$ not cov
P1262 e5. nursing home-yr
P1267 e8.nurhm not cov
P1269 e10. nurhm or hosp r pay \$
P1270 e10a. nurhm or hosp dk-1
P1271 e10b. nurhm or hosp dk-2
P1272 e10c. nurhm or hosp dk-3
P1273 e10d. nurhm or hosp dk-4
P1274 e10e. nurhm or hosp dk-5
P1280 ex10g.hospice-yr
P1283 ex10k.hospice not cov
P1284 ex10m.hospice r pay \$
P1285 ex10n.hospice dk-1
P1286 ex10p.hospice dk-2
P1287 ex10q.hospice dk-3
P1288 ex10r.hospice dk-4
P1289 ex10s.hospice dk-5
P1290 e11. dr times
P1293 e13.dr, not cov
P1313 e18a.doctor/out/dental r pay \$
P1314 e18b. dk-1
P1315 e18c. dk-2
P1316 e18d. dk-3
P1317 e18e. dk-4
P1318 e18f. dk-5
P1325 e20. drugs-yr
P1329 e21. drugs, not cov
P1330 e21a.prescr r pay \$
P1331 e21b.prescr dk-1
P1332 e21c.prescr dk-2
P1333 e21d.prescr dk-3
P1334 e21e.prescr dk-4
P1335 e21f.prescr dk-5
P1341 e22.in-home serv
P1343 e23. in-home r pay \$
P1355 e24.r use service
P1362 e24a.special r pay \$
P1363 e24b.special dk-1
P1364 e24c.special dk-2
P1365 e24d.special dk-3
P1366 e24e.special dk-4
P1367 e24f.special dk-5
P1372 e25x.other out-of-pocket
P1373 e25ax.other r pay \$
P1374 e25bx.other dk-1
P1375 e25cx.other dk-2
P1376 e25dx.other dk-3
P1377 e25ex.other dk-4
P1378 e25fx.other dk-5
P249 cs11.r-where live

Wave 4 Exit:

Q1728 e1. hospital-yr
Q1735 e4. hosp \$ not cov
Q1743 e5. nursing home-yr

Q1748	e8.nurhm not cov
Q1749	e10. nurhm or hosp r pay \$
Q1750	e10a. nurhm or hosp dk-1
Q1751	e10b. nurhm or hosp dk-2
Q1752	e10c. nurhm or hosp dk-3
Q1753	e10b1. nurhm or hosp dk-4
Q1754	e10b1. nurhm or hosp dk-5
Q1755	e10d. nurhm or hosp dk-6
Q1756	e10e. nurhm or hosp dk-7
Q1764	ex10g.hospice stay - not final
Q1769	ex10k.hospice not cov
Q1770	ex10m. hospice r pay \$
Q1771	ex10n. hospice dk-1
Q1772	ex10p. hospice dk-2
Q1773	ex10q. hospice dk-3
Q1774	ex10r. hospice dk-4
Q1775	ex10s. hospice dk-5
Q1776	ex10t. hospice dk-6
Q1777	ex10u. hospice dk-7
Q1778	e11. dr times
Q1779	e13.dr, not cov
Q1784	e18a.doctor r pay \$
Q1785	e18b.dr/out/dental dk-1
Q1786	e18c.dr/out/dental dk-2
Q1787	e18d.dr/out/dental dk-3
Q1788	e18e.dr/out/dental dk-4
Q1789	e18c1. dr/out/dental dk-5
Q1790	e18f. dr/out/dental dk-6
Q1791	e18g. dr/out/dental dk-7
Q1792	e20. drugs-yr
Q1793	e21. drugs, not cov
Q1794	e21a.prescr r pay \$
Q1795	e21b.prescr dk-1
Q1796	e21c.prescr dk-2
Q1797	e21d.prescr dk-3
Q1798	e21e.prescr dk-4
Q1799	e21b1. prescr dk-5
Q1800	e21e. prescr dk-6
Q1801	e21f. prescr dk-7
Q1804	e22.in-home serv
Q1806	e23. in-home r pay \$
Q1808	e24.r use service
Q1811	e24a.special r pay \$
Q1812	e24b.special dk-1
Q1813	e24c.special dk-2
Q1814	e24d.special dk-3
Q1815	e24e.special dk-4
Q1816	e24f.special dk-5
Q1817	e25x.other medical expenses
Q1818	e25ax.other medical pay \$
Q1819	e25bx.other medical dk-1
Q1820	e25cx.other medical dk-2
Q1821	e25dx.other medical dk-3
Q1822	e25ex.other medical dk-4
Q1823	e25fx.other medical dk-5
Q519	cs11.r in nursing home
Wave 5 Exit:	
R1739	e1. hospital-yr
R1746	e4. hosp \$ not cov
R1754	e5. nursing home-yr
R1759	e8.nurhm not cov
R1760	e10. nurhm or hosp r pay \$
R1761	e10a. nurhm or hosp dk-1

R1762 e10b. nurhm or hosp dk-2
 R1763 e10c. nurhm or hosp dk-3
 R1764 e10b1. nurhm or hosp dk-2
 R1765 e10y1b1. nurhm or hosp dk-2
 R1766 e10d. nurhm or hosp dk-4
 R1767 e10e. nurhm or hosp dk-5
 R1775 ex10g. hospice-yr
 R1780 ex10k.hospice not cov
 R1781 ex10m. hospice r pay \$
 R1782 ex10n. hospice dk-1
 R1783 ex10p. hospice dk-2
 R1784 ex10q. hospice dk-3
 R1785 ex10r. hospice dk-2
 R1786 ex10s. hospice dk-2
 R1787 ex10t. hospice dk-4
 R1788 ex10u. hospice dk-5
 R1789 e11. dr times
 R1795 e13.dr-not covered
 R1800 e18a.doctor/out r pay \$
 R1801 e18b.dr/out dk-1
 R1802 e18c.dr/out dk-2
 R1803 e18d.dr/out dk-3
 R1804 e18e.dr/out dk-4
 R1805 e18c1.dr/out dk-2
 R1806 e18f.dr/out dk-4
 R1807 e18g.dr/out dk-5
 R1808 e20. drugs-yr
 R1809 e21. drugs-not covered
 R1810 e21a.prescr r pay \$
 R1811 e21b.prescr dk-1
 R1812 e21c.prescr dk-2
 R1813 e21d.prescr dk-3
 R1814 e21e.prescr dk-4
 R1815 e21b1.prescr dk-2
 R1816 e21yle.prescr dk-4
 R1817 e21f.prescr dk-5
 R1820 e22.in-home serv
 R1822 e23. in-home r pay \$
 R1824 e24.r use service
 R1827 e24a.special r pay \$
 R1828 e24b.special dk-1
 R1829 e24c.special dk-2
 R1830 e24d.special dk-3
 R1831 e24e.special dk-4
 R1832 e24f.special dk-5
 R1834 e25x.other medical expenses
 R1835 e25ax.other medical pay \$
 R1836 e25bx.other medical dk-1
 R1837 e25cx.other medical dk-2
 R1838 e25dx.other medical dk-3
 R1839 e25ex.other medical dk-4
 R1840 e25fx.other medical dk-5
 R558 cs11.r in nursing home

Wave 6 Exit:

SA124 location of death
 SN099 overnight stay in hosp-since prev iw/2yr
 SN102 hospital stays covered by ins
 SN106 amt paid o-o-p hospital costs
 SN107 amt paid o-o-p hospital costs - min
 SN108 amt paid o-o-p hospital costs - max
 SN114 ever patient overnight in nursing home
 SN118 nh costs covered by insurance
 SN119 amt paid o-o-p nursing home

SN120 amt paid o-o-p nursing home- min
 SN121 amt paid o-o-p nursing home- max
 SN147 # times seen dr- prev iw/2 yrs
 SN150 has r sought doc advice in past 2 yrs
 SN152 doctor visits covered by insurance
 SN156 amt pay o-o-p for doc visits
 SN157 amt pay o-o-p for doc visits - min
 SN158 amt pay o-o-p for doc visits - max
 SN175 take prescription drugs regularly
 SN176 drug costs covered by insurance
 SN180 amt pay o-o-p rx drugs per month
 SN181 amt pay o-o-p rx drugs per month- min
 SN182 amt pay o-o-p rx drugs per month- max
 SN189 used home health svc- prev iw/2 yrs
 SN190 home health service cost covered by ins
 SN194 amt pay o-o-p home health svc
 SN195 amt pay o-o-p home health svc - min
 SN196 amt pay o-o-p home health svc - max
 SN202 used other health svc- prev iw/2 yrs
 SN203 other health svc paid by r/sp/p
 SN239 amt pay o-o-p other health service
 SN246 amt pay o-o-p other health service- min
 SN247 amt pay o-o-p other health service- max
 SN320 since last iw- hospice patient
 SN324 hospice stay cov by insurance
 SN328 oop costs- hospice- amt
 SN329 oop costs- hospice- min
 SN330 oop costs- hospice- max
 SN332 other oop medical expenses
 SN333 other oop costs- amt
 SN334 other oop costs- min
 SN335 other oop costs- max

Wave 7 Exit:

TA124 location of death
 TN099 overnight stay in hosp-since prev iw/2yr
 TN102 hospital stays covered by ins
 TN106 amt paid o-o-p hospital costs
 TN107 amt paid o-o-p hospital costs - min
 TN108 amt paid o-o-p hospital costs - max
 TN114 ever patient overnight in nursing home
 TN118 nh costs covered by insurance
 TN119 amt paid o-o-p nursing home
 TN120 amt paid o-o-p nursing home- min
 TN121 amt paid o-o-p nursing home- max
 TN147 # times seen dr- prev iw/2 yrs
 TN150 has r sought doc advice in past 2 yrs
 TN152 doctor visits covered by insurance
 TN156 amt pay o-o-p for doc visits
 TN157 amt pay o-o-p for doc visits - min
 TN158 amt pay o-o-p for doc visits - max
 TN175 take prescription drugs regularly
 TN176 drug costs covered by insurance
 TN180 amt pay o-o-p rx drugs per month
 TN181 amt pay o-o-p rx drugs per month- min
 TN182 amt pay o-o-p rx drugs per month- max
 TN189 used home health svc- prev iw/2 yrs
 TN190 home health service cost covered by ins
 TN194 amt pay o-o-p home health svc
 TN195 amt pay o-o-p home health svc - min
 TN196 amt pay o-o-p home health svc - max
 TN202 used other health svc- prev iw/2 yrs
 TN203 other health svc paid by r/sp/p
 TN239 amt pay o-o-p other health service

TN246 amt pay o-o-p other health service- min
 TN247 amt pay o-o-p other health service- max
 TN320 since last iw- hospice patient
 TN324 hospice stay cov by insurance
 TN328 oop costs- hospice- amt
 TN329 oop costs- hospice- min
 TN330 oop costs- hospice- max
 TN332 other oop medical expenses
 TN333 other oop costs- amt
 TN334 other oop costs- min
 TN335 other oop costs- max

Wave 8 Exit:

UA124 location of death
 UN099 overnight stay in hosp-since prev iw/2yr
 UN102 hospital stays covered by ins
 UN106 amt paid o-o-p hospital costs
 UN107 amt paid o-o-p hospital costs - min
 UN108 amt paid o-o-p hospital costs - max
 UN114 ever patient overnight in nursing home
 UN118 nh costs covered by insurance
 UN119 amt paid o-o-p nursing home
 UN120 amt paid o-o-p nursing home- min
 UN121 amt paid o-o-p nursing home- max
 UN147 # times seen dr- prev iw/2 yrs
 UN150 has r sought doc advice in past 2 yrs
 UN152 doctor visits covered by insurance
 UN156 amt pay o-o-p for doc visits
 UN157 amt pay o-o-p for doc visits - min
 UN158 amt pay o-o-p for doc visits - max
 UN175 take prescription drugs regularly
 UN176 drug costs covered by insurance
 UN180 amt pay o-o-p rx drugs per month
 UN181 amt pay o-o-p rx drugs per month- min
 UN182 amt pay o-o-p rx drugs per month- max
 UN189 used home health svc- prev iw/2 yrs
 UN190 home health service cost covered by ins
 UN194 amt pay o-o-p home health svc
 UN195 amt pay o-o-p home health svc - min
 UN196 amt pay o-o-p home health svc - max
 UN202 used other health svc- prev iw/2 yrs
 UN203 other health svc paid by r/sp/p
 UN239 amt pay o-o-p other health service
 UN246 amt pay o-o-p other health service- min
 UN247 amt pay o-o-p other health service- max
 UN320 since last iw- hospice patient
 UN324 hospice stay cov by insurance
 UN328 oop costs- hospice- amt
 UN329 oop costs- hospice- min
 UN330 oop costs- hospice- max
 UN332 other oop medical expenses
 UN333 other oop costs- amt
 UN334 other oop costs- min
 UN335 other oop costs- max

Wave 9 Exit:

VA124 location of death
 VN099 overnight stay in hosp-since prev iw/2yr
 VN102 hospital stays covered by ins
 VN106 amt paid o-o-p hospital costs
 VN107 amt paid o-o-p hospital costs - min
 VN108 amt paid o-o-p hospital costs - max
 VN114 ever patient overnight in nursing home
 VN118 nh costs covered by insurance
 VN119 amt paid o-o-p nursing home

VN120	amt paid o-o-p nursing home- min
VN121	amt paid o-o-p nursing home- max
VN147	# times seen dr- prev iw/2 yrs
VN150	has r sought doc advice in past 2 yrs
VN152	doctor visits covered by insurance
VN156	amt pay o-o-p for doc visits
VN157	amt pay o-o-p for doc visits - min
VN158	amt pay o-o-p for doc visits - max
VN175	take prescription drugs regularly
VN176	drug costs covered by insurance
VN180	amt pay o-o-p rx drugs per month
VN181	amt pay o-o-p rx drugs per month- min
VN182	amt pay o-o-p rx drugs per month- max
VN189	used home health svc- prev iw/2 yrs
VN190	home health service cost covered by ins
VN194	amt pay o-o-p home health svc
VN195	amt pay o-o-p home health svc - min
VN196	amt pay o-o-p home health svc - max
VN202	used other health svc- prev iw/2 yrs
VN203	other health svc paid by r/sp/p
VN239	amt pay o-o-p other health service
VN246	amt pay o-o-p other health service- min
VN247	amt pay o-o-p other health service- max
VN320	since last iw- hospice patient
VN324	hospice stay cov by insurance
VN328	oop costs- hospice- amt
VN329	oop costs- hospice- min
VN330	oop costs- hospice- max
VN332	other oop medical expenses
VN333	other oop costs- amt
VN334	other oop costs- min
VN335	other oop costs- max
Wave 10 Exit:	
WA124	location of death
WN099	overnight stay in hosp-since prev iw/2yr
WN102	hospital stays covered by ins
WN106	amt paid o-o-p hospital costs
WN107	amt paid o-o-p hospital costs - min
WN108	amt paid o-o-p hospital costs - max
WN114	ever patient overnight in nursing home
WN118	nh costs covered by insurance
WN119	amt paid o-o-p nursing home
WN120	amt paid o-o-p nursing home- min
WN121	amt paid o-o-p nursing home- max
WN134	outpatient surgery- prev iw/2 yrs
WN135	outpatient surg costs covered by hi
WN139	amt paid o-o-p outpat surgery
WN140	amt paid o-o-p outpat surgery - min
WN141	amt paid o-o-p outpat surgery - max
WN147	# times seen dr- prev iw/2 yrs
WN150	has r sought doc advice in past 2 yrs
WN152	doctor visits covered by insurance
WN156	amt pay o-o-p for doc visits
WN157	amt pay o-o-p for doc visits - min
WN158	amt pay o-o-p for doc visits - max
WN164	seen dentist since prev iw/2yrs
WN165	dental costs covered by insurance
WN168	amt pay o-o-p dental
WN169	amt pay o-o-p dental - min
WN170	amt pay o-o-p dental - max
WN175	take prescription drugs regularly
WN176	drug costs covered by insurance
WN180	amt pay o-o-p rx drugs per month

WN181 amt pay o-o-p rx drugs per month- min
WN182 amt pay o-o-p rx drugs per month- max
WN189 used home health svc- prev iw/2 yrs
WN190 home health service cost covered by ins
WN194 amt pay o-o-p home health svc
WN195 amt pay o-o-p home health svc - min
WN196 amt pay o-o-p home health svc - max
WN202 used other health svc- prev iw/2 yrs
WN203 other health svc paid by r/sp/p
WN239 amt pay o-o-p other health service
WN246 amt pay o-o-p other health service- min
WN247 amt pay o-o-p other health service- max
WN320 since last iw- hospice patient
WN324 hospice stay cov by insurance
WN328 oop costs- hospice- amt
WN329 oop costs- hospice- min
WN330 oop costs- hospice- max
WN332 other oop medical expenses
WN333 other oop costs- amt
WN334 other oop costs- min
WN335 other oop costs- max

Wave 11 Exit:

XA124 location of death
XN099 overnight stay in hosp-since prev iw/2yr
XN102 hospital stays covered by ins
XN106 amt paid o-o-p hospital costs
XN107 amt paid o-o-p hospital costs - min
XN108 amt paid o-o-p hospital costs - max
XN114 ever patient overnight in nursing home
XN118 nh costs covered by insurance
XN119 amt paid o-o-p nursing home
XN120 amt paid o-o-p nursing home- min
XN121 amt paid o-o-p nursing home- max
XN134 outpatient surgery- prev iw/2 yrs
XN135 outpatient surg costs covered by hi
XN139 amt paid o-o-p outpat surgery
XN140 amt paid o-o-p outpat surgery - min
XN141 amt paid o-o-p outpat surgery - max
XN147 # times seen dr- prev iw/2 yrs
XN150 has r sought doc advice in past 2 yrs
XN152 doctor visits covered by insurance
XN156 amt pay o-o-p for doc visits
XN157 amt pay o-o-p for doc visits - min
XN158 amt pay o-o-p for doc visits - max
XN164 seen dentist since prev iw/2yrs
XN165 dental costs covered by insurance
XN168 amt pay o-o-p dental
XN169 amt pay o-o-p dental - min
XN170 amt pay o-o-p dental - max
XN175 take prescription drugs regularly
XN176 drug costs covered by insurance
XN180 amt pay o-o-p rx drugs per month
XN181 amt pay o-o-p rx drugs per month- min
XN182 amt pay o-o-p rx drugs per month- max
XN189 used home health svc- prev iw/2 yrs
XN190 home health service cost covered by ins
XN194 amt pay o-o-p home health svc
XN195 amt pay o-o-p home health svc - min
XN196 amt pay o-o-p home health svc - max
XN202 used other health svc- prev iw/2 yrs
XN203 other health svc paid by r/sp/p
XN239 amt pay o-o-p other health service
XN246 amt pay o-o-p other health service- min

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XN247      amt pay o-o-p other health service- max
XN320      since last iw- hospice patient
XN324      hospice stay cov by insurance
XN328      oop costs- hospice- amt
XN329      oop costs- hospice- min
XN330      oop costs- hospice- max
XN332      other oop medical expenses
XN333      other oop costs- amt
XN334      other oop costs- min
XN335      other oop costs- max
Wave 12 Exit:
YA124      location of death
YN099      overnight stay in hosp-since prev iw/2yr
YN106      amt paid o-o-p hospital costs
YN107      amt paid o-o-p hospital costs - min
YN108      amt paid o-o-p hospital costs - max
YN114      ever patient overnight in nursing home
YN119      amt paid o-o-p nursing home
YN120      amt paid o-o-p nursing home- min
YN121      amt paid o-o-p nursing home- max
YN134      outpatient surgery- prev iw/2 yrs
YN139      amt paid o-o-p outpat surgery
YN140      amt paid o-o-p outpat surgery - min
YN141      amt paid o-o-p outpat surgery - max
YN147      # times seen dr- prev iw/2 yrs
YN150      has r sought doc advice in past 2 yrs
YN156      amt pay o-o-p for doc visits
YN157      amt pay o-o-p for doc visits - min
YN158      amt pay o-o-p for doc visits - max
YN164      seen dentist since prev iw/2yrs
YN168      amt pay o-o-p dental
YN169      amt pay o-o-p dental - min
YN170      amt pay o-o-p dental - max
YN175      take prescription drugs regularly
YN180      amt pay o-o-p rx drugs per month
YN181      amt pay o-o-p rx drugs per month- min
YN182      amt pay o-o-p rx drugs per month- max
YN189      used home health svc- prev iw/2 yrs
YN194      amt pay o-o-p home health svc
YN195      amt pay o-o-p home health svc - min
YN196      amt pay o-o-p home health svc - max
YN202      used other health svc- prev iw/2 yrs
YN203      other health svc paid by r/sp/p
YN239      amt pay o-o-p other health service
YN246      amt pay o-o-p other health service- min
YN247      amt pay o-o-p other health service- max
YN328      oop costs- hospice- amt
YN329      oop costs- hospice- min
YN330      oop costs- hospice- max
YN332      other oop medical expenses
YN333      other oop costs- amt
YN334      other oop costs- min
YN335      other oop costs- max
YN433_1    insurance pay any - 1
YN433_2    insurance pay any - 2
YN433_3    insurance pay any - 3
YN433_4    insurance pay any - 4
YN433_5    insurance pay any - 5
YN433_6    insurance pay any - 6
YN433_7    insurance pay any - 7
YN434_1    insurance pay all - 1
YN434_2    insurance pay all - 2
YN434_3    insurance pay all - 3
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YN434_4 insurance pay all - 4
YN434_5 insurance pay all - 5
YN434_6 insurance pay all - 6
YN434_7 insurance pay all - 7
YN436 hospice service

Out-Of-Pocket Medical Costs: Help with OOP Costs from Others

Wave	Variable	Label	Type
0A	RAXOOPHELP	raxoophelp: r whether anyone helped pay oop costs	Categ
0A	RAXOOPWHO	raxoopwho: r who helped pay oop costs	Categ
0A	RAXOOPAMT	raxoopamt: r oop cost: help from others	Cont
0A	RAXOOPAMTF	raxoopamtf: r oop cost flag: help from others	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXOOPHELP	10528	0.07	0.25	0.00	1.00
RAXOOPWHO	733	1.32	0.65	1.00	5.00
RAXOOPAMT	9964	400.81	3669.60	0.00	123152.71
RAXOOPAMTF	12036	5.94	1.15	1.00	7.00

Categorical Variable Codes

Value	RAXOOPHELP
.d:dk	132
.m:missing	30
.q:not asked this wave	174
.r:refuse	16
.x:not applicable	2072
0.no	9797
1.yes	731

Value	RAXOOPWHO
.d:dk	132
.h:no help	9795
.m:missing	30
.q:not asked this wave	174
.r:refuse	16
.x:not asked, less than 10k	2072
1.child	568
2.relative	98
3.other	64
4.child and relative	2
5.child and other	1

Value	RAXOOPAMTF
.q:not asked this wave	916
1.continuous value	426
2.closed bracket	181
5.no bracket info	62
6.no expense	9135
7.dk had expense	2232

How Constructed:

RAXOOPHELP indicates whether anyone helped the respondent pay for health care costs, or for health or long-term care insurance since the previous interview or in the last 2 years before death, besides any costs covered by insurance. RAXOOPHELP is coded as 0 if nobody helped the respondent pay for health care or insurance costs. RAXOOPHELP is coded as 1 if somebody helped the respondent pay for health care or insurance costs. This question is not asked in HRS wave 2, and so RAXOOPHELP is assigned special missing .q in this wave. In wave 4, this question is not asked if the total major medical expenditure as calculated by the HRS (not

the values in RAXOOPMD or RAXOOPMDP) was \$0, in which case RAXOOPHELP is assigned a 0. Starting in wave 11, this question is not asked if the total major medical expenditure as calculated by the HRS (not the values in RAXOOPMD or RAXOOPMDP) was \$10,000 or less, in which case special missing .x is assigned. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXOOPWHO indicates the relationship of the person who helped the respondent pay for health care or insurance costs. RAXOOPWHO is coded as follows: 1.child, 2.relative, 3.other, 4.child and relative, 5.child and other. RAXOOPWHO is coded as 1 if the proxy reports that a child, child-in-law, or grandchild of the respondent helped the respondent pay for these costs. RAXOOPWHO is coded as 2 if the proxy reports that another relative helped the respondent pay for these costs. RAXOOPWHO is coded as 3 if the proxy reports that someone else helped the respondent pay for these costs. RAXOOPWHO is coded as 4 if the proxy reports that a child, child-in-law, or grandchild and another relative helped the respondent pay for these costs. RAXOOPWHO is coded as 5 if the proxy reports that a child, child-in-law or grandchild and someone else helped the respondent pay for these costs. RAXOOPWHO is coded as special missing .h if nobody helped the respondent pay for these costs. In wave 4, this question is not asked if the total major medical expenditure as calculated by the HRS (not the values in RAXOOPMD or RAXOOPMDP) was \$0, in which case RAXOOPWHO is also assigned a special missing .h. This question is not asked in HRS wave 2, and so RAXOOPWHO is assigned special missing .q in this wave. Starting in wave 11, if the proxy was not asked whether anyone helped pay for these costs because the total expenditure was \$10,000 or less, then RAXOOPWHO is assigned special missing .x. In wave 4, the proxy is able to respond with up to 2 relationships who helped the respondent pay costs, though none of the proxies reported a second relationship. In wave 5, the proxy is able to respond with up to 3 relationships who helped the respondent pay costs, so options 4 and 5 are only relevant to this wave. In all other waves, the proxy is only able to respond with one relationship who helped the respondent pay costs. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXOOPAMT is the amount the respondent received as help from someone to cover the costs of health care or insurance and includes imputed values. Starting in wave 6, if, when asked for a value, the proxy responds don't know or refused, a series of unfolding bracket questions is asked to obtain a minimum and maximum value of the amount received from someone. RAXOOPAMT has been adjusted to 2010 dollars based on the consumer price index for the year of death. RAXOOPAMT is assigned a value of 0 if nobody helped the respondent pay for these costs. Starting in wave 11, if the proxy was not asked whether anyone helped pay for these costs because the total expenditure was \$10,000 or less, then RAXOOPAMT is assigned special missing .x. RAXOOPAMT is not available in HRS wave 2 or AHEAD wave 2 and are assigned special missing .q in these waves.

In HRS waves 3 through 5, no bracket questions are asked if the proxy did not provide an exact amount for the amount of help received from someone. For these waves, all imputations are computed without any bracket information. In waves 6 and onward, if the proxy does not give an exact amount for the amount of help received from someone, the proxy is asked a set of bracket questions and answers if the true value was less than, about equal to, or more than the threshold value. The threshold values for the amount someone helped the respondent with health care costs are \$500, \$1,000, \$3,000, \$10,000. This information is used in the imputation of RAXOOPAMT.

RAXOOPAMTF is a flag variable indicating the highest level of imputation of the components of RAXOOPAMT. A code of 1 indicates the proxy reported a continuous value and no imputation was necessary. A code of 2 indicates that the value was imputed based on a closed bracket. A code of 3 indicates that the value was imputed based on an open bracket. A code of 5 indicates that the value was imputed without any bracket information. A code of 6 indicates the proxy reported the respondent not receiving any help with health costs and the value is 0. A code of 7 indicates that the proxy was unsure whether anyone helped the respondent with the cost of health care or insurance. RAXOOPAMTF is not available in HRS wave 2 or AHEAD wave 2 and are assigned special missing .q in these waves.

Cross Wave Differences in HRS

Questions regarding whether the respondent received help with out-of-pocket expenses, who helped and how much was received are not asked in HRS wave 2. The proxy is not asked how much

the respondent received if someone helped the respondent with out-of-pocket expenses in AHEAD wave 2.

In wave 4, if the respondent's out-of-pocket medical expenditures totaled \$0 (as calculated by the HRS, not the values in RAXOOPMD), the proxy was not asked these questions. Please note that because the total was \$0, we assumed that the respondent received no help from other people.

Starting in wave 11, if the respondent's out-of-pocket medical expenditures totaled to \$10,000 or less (as calculated by the HRS, not the values in RAXOOPMD or RAXOOPMDP), the proxy was not asked these questions.

In wave 4, the proxy is able to report up to 2 relationships who helped the respondent pay costs, though none of the proxies reported a second relationship. In wave 5, the proxy is able to report up to 3 relationships who helped the respondent pay costs, so options 4 and 5 in RAXOOPWHO are only relevant to this wave. In all other waves, the proxy is only able to report one relationship who helped the respondent pay costs.

No bracket questions were asked if the proxy does not report a value for the amount that someone helped the respondent with out-of-pocket costs in HRS waves 3 through 5. Unfolding bracket questions were asked to determine a minimum and maximum value for the amount that someone helped the respondent with out-of-pocket costs starting in HRS wave 6.

HRS Variables Used:

Wave 2A Exit:

N1812 e27.others help \$
N1813 e28.who help

Wave 3 Exit:

P1393 e27. others help \$
P1394 e28. who help
P1397 e30.amount of oth help

Wave 4 Exit:

Q1829 sum-major medical expenses
Q1831 e27. others help \$
Q1832M1 e28. who help-1
Q1835 e30.amount of oth help

Wave 5 Exit:

R1848 e27. others help \$
R1849M1 e28. who help-1
R1849M2 e28. who help-2
R1852 e30.amount of oth help

Wave 6 Exit:

SN212 help pay health care costs
SN213 who help pay health care costs
SN215 amt of other help
SN216 amt of other help - min
SN217 amt of other help - max

Wave 7 Exit:

TN212 help pay health care costs
TN213 who help pay health care costs
TN215 amt of other help
TN216 amt of other help - min
TN217 amt of other help - max

Wave 8 Exit:

UN212 help pay health care costs
UN213 who help pay health care costs
UN215 amt of other help
UN216 amt of other help - min
UN217 amt of other help - max

Wave 9 Exit:

VN212 help pay health care costs
VN213 who help pay health care costs

VN215	amt of other help
VN216	amt of other help - min
VN217	amt of other help - max
Wave 10 Exit:	
WN212	help pay health care costs
WN213	who help pay health care costs
WN215	amt of other help
WN216	amt of other help - min
WN217	amt of other help - max
Wave 11 Exit:	
XN211	total o-o-p for major medical costs
XN212	help pay health care costs
XN213	who help pay health care costs
XN215	amt of other help
XN216	amt of other help - min
XN217	amt of other help - max
Wave 12 Exit:	
YN211	total o-o-p for major medical costs
YN212	help pay health care costs
YN213	who help pay health care costs
YN215	amt of other help
YN216	amt of other help - min
YN217	amt of other help - max

Out-Of-Pocket Medical Costs: How Medical Expenses were Financed by Respondent

Wave	Variable	Label	Type
0A	RAXOOPSAVE	raxoopsave: r used savings to finance med expenses	Categ
0A	RAXOOPLOAN	raxooploan: r used loan to finance med expenses	Categ
0A	RAXOOPNYET	raxoopnyet: r not yet paid med expenses	Categ
0A	RAXOOPPYMT	raxooppymt: r made payments to finance med expenses	Categ
0A	RAXOOPNOTR	raxoopnotr: r did not pay med expenses	Categ
0A	RAXOOPOTHR	raxoopothr: r used other way to finance med expenses	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXOOPSAVE	1166	0.85	0.36	0.00	1.00
RAXOOPLOAN	1166	0.02	0.13	0.00	1.00
RAXOOPNYET	1166	0.09	0.28	0.00	1.00
RAXOOPPYMT	1166	0.04	0.19	0.00	1.00
RAXOOPNOTR	1166	0.05	0.23	0.00	1.00
RAXOOPOTHR	1166	0.03	0.16	0.00	1.00

Categorical Variable Codes

Value	RAXOOPSAVE
.d:dk	80
.i:records inaccurate	24
.m:missing	6
.q:not asked this wave	3571
.r:refuse	4
.x:not asked, below thresho	8101
0.no	176
1.yes	990

Value	RAXOOPLOAN
.d:dk	80
.i:records inaccurate	24
.m:missing	6
.q:not asked this wave	3571
.r:refuse	4
.x:not asked, below thresho	8101
0.no	1146
1.yes	20

Value	RAXOOPNYET
.d:dk	80
.i:records inaccurate	24
.m:missing	6
.q:not asked this wave	3571
.r:refuse	4
.x:not asked, below thresho	8101
0.no	1063
1.yes	103

Value	RAXOOPPYMT
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.d:dk	80
.i:records inaccurate	24
.m:missing	6
.q:not asked this wave	3571
.r:refuse	4
.x:not asked, below thresho	8101
0.no	1124
1.yes	42

Value-----	RAXOOPNOTR
.d:dk	80
.i:records inaccurate	24
.m:missing	6
.q:not asked this wave	3571
.r:refuse	4
.x:not asked, below thresho	8101
0.no	1102
1.yes	64

Value-----	RAXOOPOTHR
.d:dk	80
.i:records inaccurate	24
.m:missing	6
.q:not asked this wave	3571
.r:refuse	4
.x:not asked, below thresho	8101
0.no	1136
1.yes	30

How Constructed:

RAXOOPSAVE, RAXOOPLOAN, RAXOOPNYET, RAXOOPPYMT, RAXOOPNOTR, and RAXOOPOTHR indicate how the respondent financed his/her out-of-pocket medical expenditures. If the total out-of-pocket medical expenditures amount to more than \$10,000 in wave 6 (\$10,001+) or to \$10,000 or more in waves 4, 5, 7 and onward (\$10,000+) (as calculated by the HRS, not the values in RAXOOPMD or RAXOOPMDP), the proxy is asked how the respondent financed these costs, and is able to choose all of the responses that apply. RAXOOPSAVE indicates that the proxy reported that the respondent paid these costs using savings or earnings. RAXOOPLOAN indicates that the proxy reported that the respondent financed these costs by taking out a loan. RAXOOPNYET indicates that the proxy reported that the respondent has not yet paid these costs. RAXOOPPYMT indicates that the proxy reported that the respondent was making payments for the costs. RAXOOPNOTR indicates that the proxy reported that the respondent did not pay these costs because they filed for bankruptcy, someone else paid the costs, the doctor let the bills drop, etc. RAXOOPOTHR indicates that the proxy reported that the respondent financed these costs in another way. These variables are coded as 0 if the respondent did not finance the costs in the specified way, and coded as 1 if the respondent did finance the costs in the specified way. If the proxy was not asked this question because the total out-of-pocket expenditures (as calculated by the HRS, not the values in RAXOOPMD or RAXOOPMDP) were below the threshold, then these variables are assigned special missing .x. Starting in wave 7, the proxy is able to indicate that the records are inaccurate and that the respondent did not have a large out-of-pocket expenditure, in which case these variables are assigned special missing .i. In AHEAD wave 2 and HRS waves 2 and 3 and starting again in wave 11, this question is not asked and these variables are assigned special missing .q. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In wave 6, the proxy is not asked how the respondent's out-of-pocket medical costs were financed if the HRS-calculated total out-of-pocket expenditures are \$10,000 or less (costs must be \$10,001+ to be asked). In waves 4 and 5, and starting again in wave 7, the proxy is not asked this question if the HRS-calculated total out-of-pocket expenditures are less than \$10,000 (costs must be \$10,000+ to be asked).

Starting in wave 7, the proxy is able to indicate that the records are inaccurate and that the respondent did not have a large out-of-pocket expenditure.

In AHEAD wave 2 and HRS waves 2 and 3 and starting again in wave 11, the proxy is not asked how the respondent financed his/her out-of-pocket medical costs.

HRS Variables Used:

Wave 4 Exit:

Q1829	sum-major medical expenses
Q1836M1	e31.how finance large medical expenses-1
Q1836M2	e31.how finance large medical expenses-2
Q1836M3	e31.how finance large medical expenses-3
Q1836M4	e31.how finance large medical expenses-4

Wave 5 Exit:

R1846	e24y5.sum-major medical expenses
R1853M1	e31.how finance large medical expenses-1
R1853M2	e31.how finance large medical expenses-2
R1853M3	e31.how finance large medical expenses-3

Wave 6 Exit:

SN211	total o-o-p for major medical costs
SN217	amt of other help - max
SN219M1	how finance large medical expenses - 1
SN219M2	how finance large medical expenses - 2
SN219M3	how finance large medical expenses - 3

Wave 7 Exit:

TN211	total o-o-p for major medical costs
TN217	amt of other help - max
TN219M1	how finance large medical expenses - 1
TN219M2	how finance large medical expenses - 2
TN219M3	how finance large medical expenses - 3

Wave 8 Exit:

UN211	total o-o-p for major medical costs
UN217	amt of other help - max
UN219M1	how finance large medical expenses - 1
UN219M2	how finance large medical expenses - 2
UN219M3	how finance large medical expenses - 3
UN219M4	how finance large medical expenses-4

Wave 9 Exit:

VN211	total o-o-p for major medical costs
VN217	amt of other help - max
VN219M1	how finance large medical expenses - 1
VN219M2	how finance large medical expenses - 2
VN219M3	how finance large medical expenses - 3
VN219M4	how finance large medical expenses-4

Wave 10 Exit:

WN211	total o-o-p for major medical costs
WN217	amt of other help - max
WN219M1	how finance large medical expenses - 1
WN219M2	how finance large medical expenses - 2
WN219M3	how finance large medical expenses - 3
WN219M4	how finance large medical expenses-4

Section E: Financial and Housing Wealth

Inflation Multiplier

Wave	Variable	Label	Type
01	C1992CPINDEX	1992 consumer price index, 2010=100	Cont
01	C1993CPINDEX	1993 consumer price index, 2010=100	Cont
01	C1994CPINDEX	1994 consumer price index, 2010=100	Cont
01	C1995CPINDEX	1995 consumer price index, 2010=100	Cont
01	C1996CPINDEX	1996 consumer price index, 2010=100	Cont
01	C1997CPINDEX	1997 consumer price index, 2010=100	Cont
01	C1998CPINDEX	1998 consumer price index, 2010=100	Cont
01	C1999CPINDEX	1999 consumer price index, 2010=100	Cont
02	C2000CPINDEX	2000 consumer price index, 2010=100	Cont
02	C2001CPINDEX	2001 consumer price index, 2010=100	Cont
02	C2002CPINDEX	2002 consumer price index, 2010=100	Cont
02	C2003CPINDEX	2003 consumer price index, 2010=100	Cont
02	C2004CPINDEX	2004 consumer price index, 2010=100	Cont
02	C2005CPINDEX	2005 consumer price index, 2010=100	Cont
02	C2006CPINDEX	2006 consumer price index, 2010=100	Cont
02	C2007CPINDEX	2007 consumer price index, 2010=100	Cont
02	C2008CPINDEX	2008 consumer price index, 2010=100	Cont
02	C2009CPINDEX	2009 consumer price index, 2010=100	Cont
02	C2010CPINDEX	2010 consumer price index, 2010=100	Cont
02	C2011CPINDEX	2011 consumer price index, 2010=100	Cont
02	C2012CPINDEX	2012 consumer price index, 2010=100	Cont
02	C2013CPINDEX	2013 consumer price index, 2010=100	Cont
02	C2014CPINDEX	2014 consumer price index, 2010=100	Cont
02	C2015CPINDEX	2015 consumer price index, 2010=100	Cont
02	C2016CPINDEX	2016 consumer price index, 2010=100	Cont
02	C2017CPINDEX	2017 consumer price index, 2010=100	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
C1992CPINDEX	12952	64.30	0.00	64.30	64.30
C1993CPINDEX	12952	66.20	0.00	66.20	66.20
C1994CPINDEX	12952	68.00	0.00	68.00	68.00
C1995CPINDEX	12952	69.90	0.00	69.90	69.90
C1996CPINDEX	12952	71.90	0.00	71.90	71.90
C1997CPINDEX	12952	73.60	0.00	73.60	73.60
C1998CPINDEX	12952	74.80	0.00	74.80	74.80
C1999CPINDEX	12952	76.40	0.00	76.40	76.40
C2000CPINDEX	12952	79.00	0.00	79.00	79.00
C2001CPINDEX	12952	81.20	0.00	81.20	81.20
C2002CPINDEX	12952	82.50	0.00	82.50	82.50
C2003CPINDEX	12952	84.40	0.00	84.40	84.40
C2004CPINDEX	12952	86.60	0.00	86.60	86.60
C2005CPINDEX	12952	89.60	0.00	89.60	89.60
C2006CPINDEX	12952	92.40	0.00	92.40	92.40
C2007CPINDEX	12952	95.10	0.00	95.10	95.10
C2008CPINDEX	12952	98.70	0.00	98.70	98.70
C2009CPINDEX	12952	98.40	0.00	98.40	98.40
C2010CPINDEX	12952	100.00	0.00	100.00	100.00
C2011CPINDEX	12952	103.20	0.00	103.20	103.20
C2012CPINDEX	12952	105.30	0.00	105.30	105.30
C2013CPINDEX	12952	106.80	0.00	106.80	106.80
C2014CPINDEX	12952	108.60	0.00	108.60	108.60
C2015CPINDEX	12952	108.70	0.00	108.70	108.70
C2016CPINDEX	12952	110.10	0.00	110.10	110.10
C2017CPINDEX	12952	112.40	0.00	112.40	112.40

How Constructed:

CyyyCPINDEX is the annual consumer price index for the year of the respondent's death. CyyyCPINDEX uses 2010 as its base year so the consumer price index for a respondent who died in 2010 would be 100. This consumer price index is used as an inflation multiplier for the comparison of financial values between different years for all financial variables in the Harmonized HRS Exit dataset. The consumer price index of the year of death has already been used to adjust the monetary values provided in the HRS Exit survey.

CyyyCPINDEX values were provided by the OECD as part of the Consumer Price (MEI) dataset. The index measures monthly changes in the general level of prices of goods and services that households acquire for consumption. For more information on the calculation of the consumer price index see <http://stats.oecd.org>.

Cross Wave Differences in HRS

Consumer price index values are not based on any HRS Exit survey question.

Main House: Ownership and Disposition

Wave	Variable	Label	Type
0A	RAXAHOWN	raxahown: r owned home at death	Categ
0A	RAXHOMEDIS	raxhomedis: disposition of r's home since last iwv	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXAHOWN	10628	0.58	0.49	0.00	1.00
RAXHOMEDIS	6884	2.80	1.94	1.00	9.00

Categorical Variable Codes

Value	RAXAHOWN
.d:dk	19
.e:skip pattern error	218
.h:no housing info prv wv	718
.i:records incorrect	218
.m:missing	106
.n:in nursing home	863
.q:not asked this wave	174
.r:refuse	8
0.no	4449
1.yes	6179

Value	RAXHOMEDIS
.d:dk	68
.e:skip pattern error	218
.h:no housing info prv wv	724
.i:records incorrect	169
.m:missing	202
.n:in nursing home	863
.q:not asked this wave	174
.r:refuse	29
.x:didn't own home	3621
1.surviving spouse still ow	2959
2.gave away before death	285
3.became inheritance after	1587
4.sold before death	373
5.sold after death	1153
6.not yet disposed after de	256
7.other before death	77
8.other after death	123
9.foreclosed	71

How Constructed:

Whether the deceased respondent owned his/her main residence at the time of death and what happened to the main residence are asked first in the exit interview, and then in the post and post post exit interviews if the answers from the previous exit interview or previous post exit interview are missing. Once the questions are answered, the proxy is not asked these questions again if any further exit interviews are conducted. As such, RAXAHOWN and RAXHOMEDIS can contain responses from the exit interview, post exit interview, or post post exit interview.

RAXAHOWN indicates whether the deceased respondent owned the main residence when he/she died, according to the proxy. Starting in AHEAD wave 2 and HRS wave 3, the proxy is asked whether the respondent and his/her spouse/partner owned their home at death, regardless of the type of home, based on a preload indicating home ownership. Starting in AHEAD wave 2 and HRS wave 3, RAXAHOWN is coded as 0 if the preload indicates that the respondent owned a home at the

previous interview but it was no longer owned at death, or if the preload indicates that the respondent rented or neither owned nor rented at the previous interview. RAXAHOWN is coded as 1 if the preload indicates that the respondent owned a home at the previous interview that was still owned at death. RAXAHOWN is assigned special missing .h if the preload contains no housing information from the previous wave, and the proxy was not asked this question. In AHEAD wave 2, RAXAHOWN is assigned special missing .e if the preload indicates that the respondent owned a home at the last interview, but the proxy was not asked whether the respondent continued to own his/her home at the time of death because there was error in the skip pattern. Starting in HRS wave 3, RAXAHOWN is assigned special missing .i if the proxy states that the records in the preload were incorrect. Starting in wave 7, RAXAHOWN is assigned special missing .n if the preload indicates that the respondent was living in a nursing home at the previous interview and the proxy was not asked about home ownership. This question is not asked in HRS wave 2, and RAXAHOWN is assigned special missing .q in this wave. Don't know, refused, and other missing responses are assigned special missing .d, .r, .m, respectively.

RAXHOMEDIS indicates what happened to the main residence that the respondent owned at the previous interview, according to the proxy. The proxy is asked what happened to the home separately for those who still owned the home at the time of death and for those who owned the home at the previous interview but no longer owned it at the time of death, both reports are incorporated into RAXHOMEDIS. RAXHOMEDIS is coded as follows: 1.surviving spouse still owns, 2.gave away before death, 3.became inheritance after death, 4.sold before death, 5.sold after death, 6.not yet disposed after death, 7.other before death, 8.other after death, 9.foreclosed. RAXHOMEDIS is coded as 1 if the respondent owned his/her main residence until death and his/her surviving spouse still owns it. RAXHOMEDIS is coded as 2 if the respondent gave the main residence to someone between the previous interview and death. RAXHOMEDIS is coded as 3 if the respondent owned his/her main residence until death and someone inherited it after the respondent's death. RAXHOMEDIS is coded as 4 if the respondent sold his/her main residence between the previous interview and death. RAXHOMEDIS is coded as 5 if the respondent owned his/her main residence until death and it was sold after the respondent's death. RAXHOMEDIS is coded as 6 if the respondent owned his/her main residence until death and it has not yet been disposed. RAXHOMEDIS is coded as 7 if something other happened to the main residence between the respondent's previous interview and death. RAXHOMEDIS is coded as 8 if the respondent owned the main residence until death and something other happened to it after death. RAXHOMEDIS is coded as 9 if the proxy reports that the home was foreclosed or repossessed between the previous interview and death or after death. This answer choice is present in all waves except exit and post (post) exit interviews in waves 4 and 6. As such, if the first exit interview took place in wave 4 or 6, but the disposition of the home is ascertained in a post or post post exit interview in another wave, then RAXHOMEDIS can be coded as 9.

RAXHOMEDIS is assigned special missing .x if the housing preload indicates that the respondent rented or neither owned nor rented their home at the time of the last core interview. RAXHOMEDIS is assigned special missing .h if the preload contains no housing information from the previous wave, and the proxy was not asked these questions. In AHEAD wave 2, RAXHOMEDIS is assigned special missing .e if the preload indicates that the respondent owned a home at the last interview, but the proxy was not asked whether the respondent continued to own his/her home at the time of death because there was error in the skip pattern. Starting in HRS wave 3, RAXHOMEDIS is assigned special missing .i if the proxy states that the records recorded in the preload were incorrect when asked if the respondent still owned his/her home at death. Starting in wave 7, RAXHOMEDIS is assigned special missing .n if the preload indicates that the respondent was living in a nursing home at the previous interview and the proxy was not asked about home ownership. In waves 4, 7, 8 and 12, RAXHOMEDIS is also assigned special missing .x if the proxy reports that the home was owned by the respondent's spouse/partner and not by the respondent. These questions are not asked in HRS wave 2, and RAXHOMEDIS is assigned special missing .q in this wave. Don't know, refused, and other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is not directly asked whether the respondent owned his/her home at the time of death. Rather, the proxy is first asked whether the respondent and his/her spouse moved since the previous wave, and if they had moved, the proxy was then asked whether the

respondent and his/her spouse/partner owned their home, farm, or mobile home where they were now living. In this wave, the proxy is not asked what happened to the home after the respondent's death. Starting in AHEAD wave 2 and HRS wave 3, the proxy is asked whether the respondent and his/her spouse/partner owned their home at death, regardless of the type of home, based on a preload indicating home ownership. Also starting in AHEAD wave 2 and HRS wave 3, the proxy is asked what happened to the home after the respondent's death if the respondent still owned the home at the time of death and if the respondent no longer owned the home at the time of death.

Please note that there are higher percentages of .m special missing values in RAXAHOWN and RAXHOMEDIS from AHEAD wave 2.

While the preload can indicate missing housing information from the previous wave in all waves, there are significantly higher percentages of missing housing information in HRS waves 5 and 6.

Starting in wave 3, the proxy can indicate that the records in the preload were incorrect when asked if the respondent still owned his/her home at the time of death. Starting in AHEAD wave 2 and HRS wave 3, foreclosed is an option for the disposition of the home both before and after death in all waves except for waves 4 and 6. Starting in wave 7, the preload also indicates whether the respondent was living in a nursing home at the previous interview, in which case the proxy was not asked about home ownership. In waves 4, 7, 8 and 12, the proxy can report that the home was owned by the respondent's spouse/partner and not by the respondent.

HRS Variables Used:

Wave 2A Exit:

N179	w1 own rent
N4821	nlx.owned home
N4822	nlax.happened to home
N4841	n3x.home disposal

Wave 3 Exit:

P179	prev wave own rent
P1903	nlx.owned home
P1904	nlax.happened to home
P1923	n3x.home disposal

Wave 4 Exit:

Q2315	nlx.owned home
Q2316	nlax.happened to home
Q2335	n3x.home disposal
Q2335M1	n3x home disposal -1
Q284	prev wave own rent

Wave 5 Exit:

R2323	nlx.owned home
R2324	nlax.happened to home
R2343	n3x.home disposal
R284	pr284.prev wave own rent

Wave 6 Exit:

ST101	still owned main residence
ST102	disposition of home
ST111	dispo main res ii
SZ132	prev wave r owns or rents

Wave 7 Exit:

TT101	still owned main residence
TT102	disposition of home
TT111	dispo main res ii
TZ079	prev wave r owns or rents

Wave 8 Exit:

UT101	still owned main residence
UT102	disposition of home
UT111	dispo main res ii
UZ079	prev wave r owns or rents

Wave 9 Exit:
VT101 still owned main residence
VT102 disposition of home
VT111 dispo main res ii
VZ079 prev wave r owns or rents

Wave 10 Exit:
WT101 still owned main residence
WT102 disposition of home
WT111 dispo main res ii
WZ079 prev wave r owns or rents

Wave 11 Exit:
XT101 still owned main residence
XT102 disposition of home
XT111 dispo main res ii
XZ079 prev wave r owns or rents

Wave 12 Exit:
YT101 still owned main residence
YT102 disposition of home
YT111 dispo main res ii
YZ079 prev wave r owns or rents

Main House: Who Received or Inherited
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Wave	Variable	Label	Type
0A	RAXHOMESP	raxhomesp: spouse received or inherited r's home	Categ
0A	RAXHOMECH	raxhomech: child/grandchild received or inherited r's home	Categ
0A	RAXHOMERL	raxhomerl: relative received or inherited r's home	Categ
0A	RAXHOMEOT	raxhomeot: other person received or inherited r's home	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXHOMESP	4691	0.64	0.48	0.00	1.00
RAXHOMECH	4669	0.31	0.46	0.00	1.00
RAXHOMERL	4669	0.04	0.20	0.00	1.00
RAXHOMEOT	4669	0.01	0.11	0.00	1.00

Categorical Variable Codes

Value	RAXHOMESP
.d:dk	93
.e:skip pattern error	218
.f:home foreclosed	65
.h:no housing info prv wv	726
.i:records incorrect	172
.m:missing	278
.n:in nursing home	863
.q:not asked this wave	174
.r:refuse	37
.s:sold home or other	2014
.x:didn't own home	3621
0.no	1669
1.yes	3022

Value	RAXHOMECH
.d:dk	93
.e:skip pattern error	218
.f:home foreclosed	65
.h:no housing info prv wv	726
.i:records incorrect	172
.m:missing	278
.n:in nursing home	863
.q:not asked this wave	174
.r:refuse	37
.s:sold home or other	2036
.x:didn't own home	3621
0.no	3236
1.yes	1433

Value	RAXHOMERL
.d:dk	93
.e:skip pattern error	218
.f:home foreclosed	65
.h:no housing info prv wv	726
.i:records incorrect	172
.m:missing	278
.n:in nursing home	863
.q:not asked this wave	174
.r:refuse	37
.s:sold home or other	2036

.x:didn't own home	3621
0.no	4482
1.yes	187
Value-----	RAXHOMEOT
.d:dk	93
.e:skip pattern error	218
.f:home foreclosed	65
.h:no housing info prv wv	726
.i:records incorrect	172
.m:missing	278
.n:in nursing home	863
.q:not asked this wave	174
.r:refuse	37
.s:sold home or other	2036
.x:didn't own home	3621
0.no	4611
1.yes	58

How Constructed:

Whether a spouse, child or grandchild, relative, or other person was given or inherited the respondent's main residence is asked first in the exit interview, and then in the post and post post exit interviews if the answers from the previous exit interview or previous post exit interview are missing. Once the question is answered, the proxy is not asked these questions again if any further exit interviews are conducted. As such, RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT can contain responses from the exit interview, post exit interview, or post post exit interview.

RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT indicate whether a person of the specified relationship was given the main residence by the respondent between the previous interview and death or inherited a house from the respondent after death, as reported by the proxy. The proxy is asked who received the home separately for respondents who still owned the home at death and for respondents who owned the home at the previous interview but no longer owned it at death, both reports are incorporated into these variables. RAXHOMESP indicates whether the respondent's spouse or partner was given or inherited the home. RAXHOMECH indicates whether the respondent's child, child-in-law, or grandchild was given or inherited the home. RAXHOMERL indicates if another relative was given or inherited the home. RAXHOMEOT indicates if a friend, charity, or someone else was given or inherited the home. RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT are coded as 0 if a person of the specified relationship did not receive the home, and are coded as 1 if a person of the specified relationship did receive the home.

RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT are assigned special missing .x if the housing preload indicates that the respondent rented or neither owned nor rented their home at the time of the last core interview. RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT are assigned special missing .s if the main residence was sold between the previous interview and death or after death, if something other happened to the main residence between the previous interview and death or after death, or if the main residence has not yet been disposed. RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT are assigned special missing .h if the preload contains no housing information from the previous wave, and the proxy was not asked these questions. In AHEAD wave 2, RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT are assigned special missing .e if the preload indicates that the respondent owned a home at the last interview, but the proxy was not asked whether the respondent continued to own his/her home at the time of death because there was error in the skip pattern. Starting in HRS wave 3, RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT are assigned special missing .i if the proxy states that the records recorded in the preload were incorrect when asked if the respondent still owned his/her home at death. In all waves except exit and post (post) exit interviews in waves 4 and 6, RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT are assigned special missing .f if the proxy reports that the home was foreclosed or reposessed between the previous interview and death or after death. Starting in wave 7, RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT are assigned special missing .n if the preload indicates that the respondent was living in a nursing home at the previous interview and the proxy was not asked about home ownership. In waves 4, 7, 8 and 12, RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT are also assigned special missing .x if the proxy reports that the home was owned by the respondent's spouse/partner and not by the respondent. These questions are not asked in HRS wave 2, and

RAXHOMESP, RAXHOMECH, RAXHOMERL, and RAXHOMEOT are assigned special missing .q in these waves. Don't know, refused, and other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

Questions about who was given or inherited the respondent's home either before or after death are not asked in HRS wave 2.

Please note that there is a significantly higher percentage of .m special missing values in these variables from AHEAD wave 2.

While the preload can indicate missing housing information from the previous wave in all waves, there are significantly higher percentages of missing housing information in HRS waves 5 and 6.

Starting in wave 3, the proxy can indicate that the records in the preload were incorrect when asked if the respondent still owned his/her home at the time of death. Starting in AHEAD wave 2 and HRS wave 3, foreclosed is an option for the disposition of the home both before and after death in all waves except for waves 4 and 6. Starting in wave 7, the preload also indicates whether the respondent was living in a nursing home at the previous interview, in which case the proxy was not asked about home ownership. In waves 4, 7, 8 and 12, the proxy can report that the home was owned by the respondent's spouse/partner and not by the respondent.

In AHEAD wave 2 and HRS waves 3 and 4, if the respondent gave his/her home to someone prior to death or the respondent owned his/her home until death and someone inherited it after the respondent's death, then the proxy can choose from the following recipients: child/child-in-law/grandchild, other relative, friend, charity, someone else. Starting in wave 5, spouse is added as an option in both of these cases. As such, in AHEAD wave 2 and HRS waves 3 and 4, the proxy can indicate that the spouse continues to own the home only if the respondent owned the home until the time of death and the proxy reports that the surviving spouse still owns it when asked what happened to the home after the respondent's death. Whereas in wave 5 and onward, the proxy can report that the surviving spouse still owns it, or report that the house was given to the spouse prior to death or that the house was inherited by the spouse after the respondent's death.

In AHEAD wave 2 and HRS waves 3 and 4, if the respondent gave his/her home to someone prior to death or the respondent owned his/her home until death and someone inherited it after the respondent's death, then the proxy cannot distinguish between child/child-in-law/grandchild. In wave 6, the proxy cannot distinguish between child/child-in-law/grandchild in the exit interview, however in the post (post) exit interviews, the proxy can choose child/child-in-law or grandchild separately when asked who inherited the home after the respondent's death. In wave 5 and in wave 7 and onward, the proxy can choose either child/child-in-law or grandchild in the exit and post (post) exit interviews.

HRS Variables Used:

Wave 2A Exit:

N179	w1 own rent
N4821	nlx.owned home
N4822	nlax.happened to home
N4823M1	nlbx.relative give house
N4841	n3x.home disposal
N4842M1	n3ax.relative give house
N4842M2	n3ax.relative give house

Wave 3 Exit:

P179	prev wave own rent
P1903	nlx.owned home
P1904	nlax.happened to home
P1905M1	nlbx.relative give house
P1923	n3x.home disposal

P1924M1 n3ax.relative give house
 Wave 4 Exit:
 Q2315 nlx.owned home
 Q2316 nlax.happened to home
 Q2317M1 nlbx.relative give house-1
 Q2335 n3x.home disposal
 Q2336M1 n3ax.relative give house-1
 Q284 prev wave own rent
 Wave 5 Exit:
 R2323 nlx.owned home
 R2324 nlax.happened to home
 R2325M1 nlbx.relative give house-1
 R2343 n3x.home disposal
 R2344M1 n3ax.relative give house-1
 R2344M2 n3ax.relative give house-2
 R284 pr284.prev wave own rent
 Wave 6 Exit:
 ST101 still owned main residence
 ST102 disposition of home
 ST104M1 give home- who- 1
 ST104M2 give home- who- 2
 ST111 dispo main res ii
 ST113M1 who inherit house - 1
 ST113M2 who inherit house - 2
 SZ132 prev wave r owns or rents
 Wave 7 Exit:
 TT101 still owned main residence
 TT102 disposition of home
 TT104M1 give home- who- 1
 TT104M2 give home- who- 2
 TT111 dispo main res ii
 TT113M1 who inherit house - 1
 TT113M2 who inherit house - 2
 TZ079 prev wave r owns or rents
 Wave 8 Exit:
 UT101 still owned main residence
 UT102 disposition of home
 UT104M1 give home- who- 1
 UT104M2 give home- who- 2
 UT111 dispo main res ii
 UT113M1 who inherit house - 1
 UT113M2 who inherit house - 2
 UZ079 prev wave r owns or rents
 Wave 9 Exit:
 VT101 still owned main residence
 VT102 disposition of home
 VT104M1 give home- who- 1
 VT104M2 give home- who- 2
 VT111 dispo main res ii
 VT113M1 who inherit house - 1
 VT113M2 who inherit house - 2
 VZ079 prev wave r owns or rents
 Wave 10 Exit:
 WT101 still owned main residence
 WT102 disposition of home
 WT104M1 give home- who- 1
 WT104M2 give home- who- 2
 WT111 dispo main res ii
 WT113M1 who inherit house - 1
 WT113M2 who inherit house - 2
 WZ079 prev wave r owns or rents
 Wave 11 Exit:
 XT101 still owned main residence

XT102	disposition of home
XT104M1	give home- who- 1
XT104M2	give home- who- 2
XT111	dispo main res ii
XT113M1	who inherit house - 1
XT113M2	who inherit house - 2
XZ079	prev wave r owns or rents
Wave 12 Exit:	
YT101	still owned main residence
YT102	disposition of home
YT104M1	give home- who- 1
YT104M2	give home- who- 2
YT111	dispo main res ii
YT113M1	who inherit house - 1
YT113M2	who inherit house - 2
YZ079	prev wave r owns or rents

Main House: Value

Wave	Variable	Label	Type
0A	RAXAHOUS	raxahous: asset: r's home	Cont
0A	RAXAHOUSF	raxahousf: asset flag: r's home	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXAHOUS	3265	115879.25	189299.27	0.00	4076087.00
RAXAHOUSF	12778	5.20	1.91	1.00	7.00

Categorical Variable Codes

Value-----	RAXAHOUSF
.q:not asked this wave	174
1.continuous value	1795
2.closed bracket	543
3.open bracket	3
5.no bracket info	246
6.no asset	9070
7.ownership unknown	1121

How Constructed:

The value of the respondent's main residence is asked first in the exit interview, and then in the post and post post exit interviews if the answers from the previous exit interview or previous post exit interview are missing. Once the question is answered, the proxy is not asked this question again if any further exit interviews are conducted. As such, RAXAHOUS can contain responses from the exit interview, post exit interview, or post post exit interview.

In AHEAD wave 2 and HRS waves 3 and 4, RAXAHOUS is the value of the respondent's main residence if it was sold between the previous interview and death or if it was sold after death. Starting in wave 5, RAXAHOUS is the value of the respondent's main residence if it was given to someone or sold between the previous interview and death, or if it was sold or inherited by someone after death. At all waves, RAXAHOUS includes imputed values to address item-level missingness. The proxy is asked the selling price of the home or what it would have brought if it had been sold separately for those who still owned the home at death and for those who owned the home at the previous interview but no longer owned it at death. If the proxy answers don't know or refuses to answer, a series of unfolding bracket questions is asked to obtain a minimum and maximum bracket value for the value of the main residence. RAXAHOUS reported or imputed values have been adjusted to 2010 dollars based on the consumer price index for the year of death.

RAXAHOUS is assigned special missing .x if the housing preload indicates that the respondent rented or neither owned nor rented their home at the time of their last core interview. RAXAHOUS is assigned special missing .h if the preload contains no housing information from the previous wave, and the proxy was not asked these questions. In AHEAD wave 2, RAXAHOUS is assigned special missing .e if the preload indicates that the respondent owned a home at the last interview, but the proxy was not asked whether the respondent continued to own his/her home at the time of death because there was error in the skip pattern. Starting in HRS wave 3, RAXAHOUS is assigned special missing .i if the proxy states that the records recorded in the preload were incorrect when asked if the respondent still owned his/her home at death. In all waves except exit and post (post) exit interviews in waves 4 and 6, RAXAHOUS is assigned special missing .f if the proxy reports that the home was foreclosed or repossessed between the previous interview and death or after death. Starting in wave 7, RAXAHOUS is assigned special missing .n if the preload indicates that the respondent was living in a nursing home

at the previous interview and the proxy was not asked about home ownership. In waves 4, 7, 8 and 12, RAXAHOUS is also assigned special missing .x if the proxy reports that the home was owned by the respondent's spouse/partner and not by the respondent. In AHEAD wave 2 and HRS waves 3 and 4, RAXAHOUS is assigned special missing .o if the main residence was given to someone before death, if it was inherited by someone after death, if something other happened to the main residence between the previous interview and death or after death, if the surviving spouse still owns the main residence, or if the main residence has not yet been disposed. Starting in wave 5, RAXAHOUS is assigned special missing .o if something other happened to the main residence between the previous interview and death or after death, if the surviving spouse still owns the main residence, or if the main residence has not yet been disposed. These questions are not asked in HRS wave 2, and RAXAHOUS is assigned special missing .q in this wave.

In AHEAD wave 2 and HRS wave 3, if the proxy does not give an exact amount for the value of the respondent's residence, the proxy is asked a set of bracket questions and answers if the true value was more than the threshold value. In waves 4 and onward, if the proxy does not give an exact amount for the value of the respondent's residence, the proxy is asked a set of bracket questions and answers if the true value was less than, about equal to, or more than the threshold value. The threshold values are \$15,000, \$50,000, \$200,000 in all waves. This information is used in the imputation of RAXAHOUS.

RAXAHOUSF is a flag variable indicating the level of imputation used for RAXAHOUS. A code of 1 indicates the proxy reported a continuous value and no imputation was necessary. A code of 2 indicates that the value was imputed based on a closed bracket. A code of 3 indicates that the value was imputed based on an open bracket. A code of 5 indicates that the value was imputed without any bracket information. A code of 6 indicates the proxy reported the respondent not owning a residence and the value is 0. A code of 7 indicates that the ownership of the residence is unknown.

Cross Wave Differences in HRS

The value of the respondent's main residence is not asked in HRS wave 2.

While the preload can indicate missing housing information from the previous wave in all waves, there are significantly higher percentages of missing housing information in AHEAD wave 2, and HRS waves 3, 5, and 6.

In AHEAD wave 2 and HRS waves 3 and 4, the proxy is asked the value of the respondent's main residence only if it was sold to someone prior to or after the respondent's death, not if the main residence was given to someone prior to death or inherited by someone after death. However, starting in wave 5, the proxy is asked the value or what the value would have been of the respondent's main residence if it was sold or given to someone prior to the respondent's death or if it was sold to or inherited by someone after the respondent's death.

Starting in wave 3, the proxy can indicate that the records in the preload were incorrect when asked if the respondent still owned his/her home at the time of death. Starting in AHEAD wave 2 and HRS wave 3, foreclosed is an option for the disposition of the home both before and after death in all waves except for waves 4 and 6. Starting in wave 7, the preload also indicates whether the respondent was living in a nursing home at the previous interview, in which case the proxy was not asked about home ownership. In waves 4, 7, 8, and 12, the proxy can report that the home was owned by the respondent's spouse/partner and not by the respondent.

HRS Variables Used:

Wave 2A Exit:

N179	w1 own rent
N4821	nlx.owned home
N4822	nlax.happened to home
N4833	n2.selling price
N4834	n2a.dk-1
N4835	n2b.dk-2

N4836	n2c.dk-3
N4841	n3x.home disposal
N4845	n4x.selling price
N4846	n4a.dk-1
N4847	n4b.dk-2
N4848	n4c.dk-3
Wave 3 Exit:	
P179	prev wave own rent
P1903	nlx.owned home
P1904	nlax.happened to home
P1915	n2. selling price
P1916	n2a.dk-1
P1917	n2b.dk-2
P1918	n2c.dk-3
P1923	n3x.home disposal
P1927	n4x.selling price
P1928	n4a.dk-1
P1929	n4b.dk-2
P1930	n4c.dk-3
Wave 4 Exit:	
Q2315	nlx.owned home
Q2316	nlax.happened to home
Q2327	n2. selling price (main home disposed of prior to death)
Q2328	n2a.dk-1
Q2329	n2b.dk-2
Q2330	n2c.dk-3
Q2335	n3x.home disposal
Q2339	n4x.selling price (main home disposed of after death)
Q2340	n4a.dk-1
Q2341	n4b.dk-2
Q2342	n4c.dk-3
Q284	prev wave own rent
Wave 5 Exit:	
R2323	nlx.owned home
R2324	nlax.happened to home
R2335	n2. selling price
R2336	n2a.dk-1
R2337	n2b.dk-2
R2338	n2c.dk-3
R2343	n3x.home disposal
R2347	n4x.selling price
R2348	n4a.dk-1
R2349	n4b.dk-2
R2350	n4c.dk-3
R284	pr284.prev wave own rent
Wave 6 Exit:	
ST101	still owned main residence
ST102	disposition of home
ST107	exit sold home amt
ST108	exit sold home amt - min
ST109	exit sold home amt - max
ST111	dispo main res ii
ST116	value main res ii
ST117	value main res ii - min
ST118	value main res ii - max
SZ132	prev wave r owns or rents
Wave 7 Exit:	
TT101	still owned main residence
TT102	disposition of home
TT107	exit sold home amt
TT108	exit sold home amt - min
TT109	exit sold home amt - max
TT111	dispo main res ii

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TT116      value main res ii
TT117      value main res ii - min
TT118      value main res ii - max
TZ079      prev wave r owns or rents
Wave 8 Exit:
UT101      still owned main residence
UT102      disposition of home
UT107      exit sold home amt
UT108      exit sold home amt - min
UT109      exit sold home amt - max
UT111      dispo main res ii
UT116      value main res ii
UT117      value main res ii - min
UT118      value main res ii - max
UZ079      prev wave r owns or rents
Wave 9 Exit:
VT101      still owned main residence
VT102      disposition of home
VT107      exit sold home amt
VT108      exit sold home amt - min
VT109      exit sold home amt - max
VT111      dispo main res ii
VT116      value main res ii
VT117      value main res ii - min
VT118      value main res ii - max
VZ079      prev wave r owns or rents
Wave 10 Exit:
WT101      still owned main residence
WT102      disposition of home
WT107      exit sold home amt
WT108      exit sold home amt - min
WT109      exit sold home amt - max
WT111      dispo main res ii
WT116      value main res ii
WT117      value main res ii - min
WT118      value main res ii - max
WZ079      prev wave r owns or rents
Wave 11 Exit:
XT101      still owned main residence
XT102      disposition of home
XT107      exit sold home amt
XT108      exit sold home amt - min
XT109      exit sold home amt - max
XT111      dispo main res ii
XT116      value main res ii
XT117      value main res ii - min
XT118      value main res ii - max
XZ079      prev wave r owns or rents
Wave 12 Exit:
YT101      still owned main residence
YT102      disposition of home
YT107      exit sold home amt
YT108      exit sold home amt - min
YT109      exit sold home amt - max
YT111      dispo main res ii
YT116      value main res ii
YT117      value main res ii - min
YT118      value main res ii - max
YZ079      prev wave r owns or rents
```

Value of Estate

Wave	Variable	Label	Type
0A	RAXESTATEV	raxestatev: asset: r's estate	Cont
0A	RAXESTATEVF	raxestatevf: asset flag: r's estate	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXESTATEV	11824	1194294.41	34253116.91	0.00	1430615168.00
RAXESTATEVF	12778	3.37	2.23	1.00	7.00

Categorical Variable Codes

Value-----	RAXESTATEVF
.q: not asked this wave	174
1. continuous value	4043
2. closed bracket	3026
3. open bracket	38
5. no bracket info	1862
6. no asset	3177
7. ownership unknown	632

How Constructed:

The value of the respondent's estate is asked first in the exit interview, and then in the post and post post exit interviews if the answers from the previous exit interview or previous post exit interview are missing. Once the question is answered, the proxy is not asked this question again if any further exit interviews are conducted. As such, RAXESTATEV can contain responses from the exit interview, post exit interview, or post post exit interview.

In AHEAD wave 2 and HRS waves 3 and 4, RAXESTATEV is the value of the respondent's estate altogether. In waves 5 and 6, RAXESTATEV is the value of the respondent's estate excluding his/her home and any life insurance. Starting in wave 7, RAXESTATEV is the value of the respondent's estate excluding any life insurance. In all waves, the value is reported by the proxy and RAXESTATEV includes imputations to address item-missingness. If the proxy answers don't know or refuses to answer, a series of unfolding bracket questions is asked to obtain a minimum and maximum bracket value for the value of the estate. RAXESTATEV reported and imputed values have been adjusted to 2010 dollars based on the consumer price index for the year of death. RAXESTATEV takes a value of 0 if the respondent had a will but the proxy reported that no assets remained to be probated, or, when asked about the division of assets, the proxy reported that there was nothing much of value to distribute. RAXESTATEV is assigned special missing .n if the proxy reports that the respondent's estate has not yet been distributed and is not asked the value of the estate. This question is not asked in HRS wave 2, and RAXESTATEV is assigned special missing .q in this wave.

In AHEAD wave 2 and HRS wave 3, if the proxy does not give an exact amount for the value of the respondent's estate, the proxy is asked a set of bracket questions and answers if the true value was more than the threshold value. In waves 4 and onward, if the proxy does not give an exact amount for the value of the respondent's estate, the proxy is asked a set of bracket questions and answers if the true value was less than, about equal to, or more than the threshold value. The threshold values are \$10,000, \$25,000, \$100,000, \$500,000, \$2,000,000 in all waves. This information is used in the imputation of RAXESTATEV.

RAXESTATEVF is a flag variable indicating the level of imputation used for RAXESTATEV. A code of 1 indicates the proxy reported a continuous value and no imputation was necessary. A code

of 2 indicates that the value was imputed based on a closed bracket. A code of 3 indicates that the value was imputed based on an open bracket. A code of 5 indicates that the value was imputed without any bracket information. A code of 6 indicates the proxy reported the respondent not having any assets of value or estate and the value is 0. A code of 7 indicates that whether the respondent left any assets is unknown.

Please note that there are several extremely high values for RAXESTATEV in AHEAD wave 2 and HRS waves 3 through 7, which greatly impact the mean value. We have included these values as reported, adjusted by the appropriate consumer price index, and leave their inclusion in any analysis to the discretion of the user.

Cross Wave Differences in HRS

The value of the respondent's estate is not asked in HRS wave 2.

Please note that the question wording changes across waves. In AHEAD wave 2 and HRS waves 3 and 4, the proxy is asked "Altogether, what was the value of his/her total estate?" In waves 5 and 6, the proxy is asked "Excluding his/her home and any life insurance, altogether, what was the value of his/her estate?" Starting in wave 7, the proxy is asked "Excluding any life insurance, altogether what was the value of his/her total estate?"

In AHEAD wave 2 and HRS waves 3 through 5, the proxy can report the value of the estate as "other", or report "other" when asked what happened to the respondent's estate. Starting in wave 6, if the respondent had not put any assets into a trust then the proxy is not asked this question. Starting in wave 6, if the respondent had a will but all assets were held in joint tenancy or in a trust then the proxy is not asked this question. In each of these cases, the value of the respondent's estate is imputed.

HRS Variables Used:

Wave 2A Exit:

N5111	n71x.assets into trust
N5116	n72x.will
N5120	n73x.happened to estate
N5204	n82x.\$ value estate
N5205	n82bx.dk-1
N5206	n82cx.dk-2
N5207	n82dx.dk-3
N5208	n82ex.dk-4
N5209	n82fx.dk-5

Wave 3 Exit:

P2002	n71x.assets into trust
P2007	n72x.will
P2011	n73x.happened to estate
P2095	n82x.\$ value estate
P2096	n82bx.dk-1
P2097	n82cx.dk-2
P2098	n82dx.dk-3
P2099	n82ex.dk-4
P2100	n82fx.dk-5

Wave 4 Exit:

Q2414	n71x.assets into trust
Q2419	n72x.will
Q2423	n73x.happened to estate
Q2507	n82x.\$ value estate
Q2508	n82bx.dk-1
Q2509	n82cx.dk-2
Q2510	n82dx.dk-3
Q2511	n82ex.dk-4
Q2512	n82fx.dk-5

Wave 5 Exit:

R2421	n71x.assets into trust
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R2426 n72x.will
R2430 n73x.happened to estate
R2514 n82x.\$ value estate
R2515 n82bx.dk-1
R2516 n82cx.dk-2
R2517 n82dx.dk-3
R2518 n82ex.dk-4
R2519 n82fx.dk-5

Wave 6 Exit:
ST155 r have assets in trust
ST156 r have will
ST157 r have will probated
ST161 division of assets
ST173 value of estate
ST174 value of estate - min
ST175 value of estate - max

Wave 7 Exit:
TT155 r have assets in trust
TT156 r have will
TT157 r have will probated
TT161 division of assets
TT173 value of estate
TT174 value of estate - min
TT175 value of estate - max

Wave 8 Exit:
UT155 r have assets in trust
UT156 r have will
UT157 r have will probated
UT161 division of assets
UT173 value of estate
UT174 value of estate - min
UT175 value of estate - max

Wave 9 Exit:
VT155 r have assets in trust
VT156 r have will
VT157 r have will probated
VT161 division of assets
VT173 value of estate
VT174 value of estate - min
VT175 value of estate - max

Wave 10 Exit:
WT155 r have assets in trust
WT156 r have will
WT157 r have will probated
WT161 division of assets
WT173 value of estate
WT174 value of estate - min
WT175 value of estate - max

Wave 11 Exit:
XT155 r have assets in trust
XT156 r have will
XT157 r have will probated
XT161 division of assets
XT173 value of estate
XT174 value of estate - min
XT175 value of estate - max

Wave 12 Exit:
YT155 r have assets in trust
YT156 r have will
YT157 r have will probated
YT161 division of assets
YT173 value of estate
YT174 value of estate - min

YT175 value of estate - max

Section H: Employment History

Whether Working Prior to Death

Wave	Variable	Label	Type
0A	RAXWORK	raxwork: r working up until time of death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXWORK	12857	0.03	0.17	0.00	1.00

Categorical Variable Codes

Value	RAXWORK
.d:dk	31
.e:denies type prev iwv emp	52
.m:missing	10
.r:refuse	2
0.no	12451
1.yes	406

How Constructed:

RAXWORK indicates whether the deceased respondent was working up until the time of death, according to the proxy. If the preload indicated that the respondent was self-employed as of the previous interview, then the proxy is asked the month and year the respondent stopped working for himself/herself. If the preload indicated that the respondent worked for someone else as of the previous interview, then the proxy is asked the month and year the respondent stopped working for that employer. In all waves except AHEAD wave 2 and HRS waves 3 through 5, the proxy can answer that the respondent was still working prior to the time of his/her death. RAXWORK is coded as 0 if the preload indicated that the respondent was not working as of the previous interview, or if the proxy reported a month or year that the deceased respondent stopped working, either for himself/herself or for an employer, which was not the same month and year of death (KNOWNDECEASEDMO and KNOWNDECEASEDYR from the HRS Tracker File). RAXWORK is coded as 1 if the proxy indicates that the respondent was working, either for himself/herself or for an employer, up until the time of death, or if the month and year the proxy reports the respondent stopped working was the same month and year of death (KNOWNDECEASEDMO and KNOWNDECEASEDYR from the HRS Tracker File). RAXWORK is assigned special missing .e if the preload indicated that the respondent was self-employed and the proxy denies that the respondent was self-employed at the previous interview, or if the preload indicated that the respondent worked for someone else and the proxy denies that the respondent was working for someone else or for the named employer at the previous interview. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2 and starting in HRS wave 6 and onward, the proxy is given the option to report that the respondent was still working for himself/herself or for an employer when he/she died. In AHEAD wave 2, and HRS waves 3 through 5, the proxy is not given the option to report that the respondent was still working for himself/herself or for an employer when he/she died, so the coding of RAXWORK is only based on the month and year the respondent stopped working compared to the month and year of death.

In HRS wave 3, if the preload indicates that the respondent was working for an employer at the last interview, then the proxy has the option of denying that the respondent was working at the previous interview, whereas in other waves, the proxy has the option of denying that the respondent was working for someone else or for the named employer at the previous interview.

In wave 6, unlike all other waves, the month and year the respondent stopped working for himself/herself or for an employer is asked even if the preload indicates that the respondent was not working at the previous wave. Because of this, many proxies responded that there was an error in the preload, resulting in a slightly higher level of .e special missings in RAXWORK in this wave.

Please note that there is no preload in HRS wave 2. The preloads for working status in AHEAD wave 2 and HRS waves 3 through 6 come from the Preload (Respondent) section of the interview, and one preload indicates whether the deceased respondent was working at the previous interview or not, while the other preload indicates whether the respondent was employed by someone else or self-employed at the previous interview. Starting in wave 7, the single preload for working status comes from the Employment (Respondent) section of the interview and indicates whether the deceased respondent was not working, employed by someone else, or self-employed at the previous interview.

HRS Variables Used:

Tracker:

KNOWNDECEASEDMO known deceased - month
KNOWNDECEASEDYR known deceased - year

Wave 2 Exit:

W3316 fa2.working for pay
W4800 fc2.month stopped self-e
W4801 fc2a.year stopped self-e
W4897 fc16.month stopped work
W4898 fc16a.year stopped work

Wave 2A Exit:

N150 w1 cur working
N185 self/else employed
N3545 gc2.month stopped self-empl
N3546 gc2a.year stopped self-empl
N3639 gc16.month stopped working wave i emplo

Wave 3 Exit:

P150 prev wave cur working
P1745 gc2. month stopped self-empl
P1746 gc2a. year stopped self-empl
P1814 gc16. month stopped working wave i employer
P1815 gc16a. year stopped working wave i employer
P185 self/else employed

Wave 4 Exit:

Q2185 gc2. month stopped self-empl
Q2186 gc2a. year stopped self-empl
Q2254 gc16. month stopped working wave i emplo
Q2255 gc16a. year stopped working wave i emplo
Q270 prev wave cur working
Q289 prev wave self/else employed

Wave 5 Exit:

R2202 gc2. month stopped self-empl
R2203 gc2a. year stopped self-empl
R2271 gc16. month stop work wave i employment
R2272 gc16a. year stop work wave i employment
R270 pr270.prev wave cur working
R289 pr289.prev wave self/else employed

Wave 6 Exit:

SJ023 stopped working for slf-mo
SJ024 stopped working for slf- yr
SJ063 stop/retire work prev wave employer-mo
SJ064 stop/retire work prev wave employer-yr
SZ123 prev wave r currently working

Wave 7 Exit:

TJ023 stopped working for slf-mo
TJ024 stopped working for slf- yr
TJ063 stop/retire work prev wave employer-mo

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TJ064      stop/retire work prev wave employer-yr
TJ677      branchpoint for j677y
Wave 8 Exit:
UJ023      stopped working for slf-mo
UJ024      stopped working for slf- yr
UJ063      stop/retire work prev wave employer-mo
UJ064      stop/retire work prev wave employer-yr
UJ677      branchpoint for j677y
Wave 9 Exit:
VJ023      stopped working for slf-mo
VJ024      stopped working for slf- yr
VJ063      stop/retire work prev wave employer-mo
VJ064      stop/retire work prev wave employer-yr
VJ677      branchpoint for j677y
Wave 10 Exit:
WJ023      stopped working for slf-mo
WJ024      stopped working for slf- yr
WJ063      stop/retire work prev wave employer-mo
WJ064      stop/retire work prev wave employer-yr
WJ677      branchpoint for j677y
Wave 11 Exit:
XJ023      stopped working for slf-mo
XJ024      stopped working for slf- yr
XJ063      stop/retire work prev wave employer-mo
XJ064      stop/retire work prev wave employer-yr
XJ677      branchpoint for j677y
Wave 12 Exit:
YJ023      stopped working for slf-mo
YJ024      stopped working for slf- yr
YJ063      stop/retire work prev wave employer-mo
YJ064      stop/retire work prev wave employer-yr
YJ677      branchpoint for j677y
```

Whether Self-Employed at Death

Wave	Variable	Label	Type
0A	RAXSLFEMP	raxslfemp: r self-employed up until time of death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXSLFEMP	12857	0.01	0.10	0.00	1.00

Categorical Variable Codes

Value	RAXSLFEMP
.d:dk	31
.e:denies type prev iwv emp	52
.m:missing	10
.r:refuse	2
0.no	12729
1.yes	128

How Constructed:

RAXSLFEMP indicates whether the deceased respondent was self-employed up until the time of death, according to the proxy. If the preload indicated that the respondent was self-employed as of the previous interview, then the proxy is asked the month and year the respondent stopped working for himself/herself. In all waves except AHEAD wave 2 and HRS waves 3 through 5, the proxy can answer that the respondent was still working prior to the time of his/her death. RAXSLFEMP is coded as 0 if the respondent was not working prior to the time of death, either for himself/herself or for an employer, if the proxy reports that the respondent was working for someone else up until the time of death, or if the month and year the proxy reports the respondent stopped working for someone else was not the same month and year of death (KNOWNDECEASEDMO and KNOWNDECEASEDYR from the HRS Tracker File). RAXSLFEMP is coded as 1 if the proxy reports that the respondent was self-employed up until the time of death, or if the month and year the proxy reports the respondent stopped working for himself/herself was the same month and year of death (KNOWNDECEASEDMO and KNOWNDECEASEDYR from the HRS Tracker File). RAXSLFEMP is assigned special missing .e if the proxy denies that the respondent was self-employed at the previous interview and the preload indicated that the respondent was self-employed, or if the proxy denies that the respondent was working for someone else or for the named employer at the previous interview and the preload indicated that the respondent worked for someone else. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 3, if the preload indicates that the respondent was working for an employer at the last interview, then the proxy has the option of denying that the respondent was working at the previous interview, whereas in other waves, the proxy has the option of denying that the respondent was working for someone else or for the named employer at the previous interview.

In wave 6, unlike all other waves, the month and year the respondent stopped working for himself/herself or for an employer is asked even if the preload indicates that the respondent was not working at the previous wave. Because of this, many proxies responded that there was an error in the preload, resulting in a slightly higher level of .e special missings in RAXSLFEMP in this wave.

Please note that there is no preload in HRS wave 2. The preloads for working status in AHEAD wave 2 and HRS waves 3 through 6 come from the Preload (Respondent) section of the interview, and one preload indicates whether the deceased respondent was working at the previous

interview or not, while the other preload indicates whether the respondent was employed by someone else or self-employed at the previous interview. Starting in wave 7, the single preload for working status comes from the Employment (Respondent) section of the interview and indicates whether the deceased respondent was not working, employed by someone else, or self-employed at the previous interview.

HRS Variables Used:

Tracker:

KNOWNDECEASEDMO known deceased - month

KNOWNDECEASEDYR known deceased - year

Wave 2 Exit:

W3316 fa2.working for pay

W4800 fc2.month stopped self-e

W4801 fc2a.year stopped self-e

W4897 fc16.month stopped work

W4898 fc16a.year stopped work

Wave 2A Exit:

N150 w1 cur working

N185 self/else employed

N3545 gc2.month stopped self-empl

N3546 gc2a.year stopped self-empl

N3639 gc16.month stopped working wave i emplo

Wave 3 Exit:

P150 prev wave cur working

P1745 gc2. month stopped self-empl

P1746 gc2a. year stopped self-empl

P1814 gc16. month stopped working wave i employer

P1815 gc16a. year stopped working wave i employer

P185 self/else employed

Wave 4 Exit:

Q2185 gc2. month stopped self-empl

Q2186 gc2a. year stopped self-empl

Q2254 gc16. month stopped working wave i emplo

Q2255 gc16a. year stopped working wave i emplo

Q270 prev wave cur working

Q289 prev wave self/else employed

Wave 5 Exit:

R2202 gc2. month stopped self-empl

R2203 gc2a. year stopped self-empl

R2271 gc16. month stop work wave i employment

R2272 gc16a. year stop work wave i employment

R270 pr270.prev wave cur working

R289 pr289.prev wave self/else employed

Wave 6 Exit:

SJ023 stopped working for slf-mo

SJ024 stopped working for slf- yr

SJ063 stop/retire work prev wave employer-mo

SJ064 stop/retire work prev wave employer-yr

SZ123 prev wave r currently working

Wave 7 Exit:

TJ023 stopped working for slf-mo

TJ024 stopped working for slf- yr

TJ063 stop/retire work prev wave employer-mo

TJ064 stop/retire work prev wave employer-yr

TJ677 branchpoint for j677y

Wave 8 Exit:

UJ023 stopped working for slf-mo

UJ024 stopped working for slf- yr

UJ063 stop/retire work prev wave employer-mo

UJ064 stop/retire work prev wave employer-yr

UJ677 branchpoint for j677y

Wave 9 Exit:

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VJ023      stopped working for slf-mo
VJ024      stopped working for slf- yr
VJ063      stop/retire work prev wave employer-mo
VJ064      stop/retire work prev wave employer-yr
VJ677      branchpoint for j677y
Wave 10 Exit:
WJ023      stopped working for slf-mo
WJ024      stopped working for slf- yr
WJ063      stop/retire work prev wave employer-mo
WJ064      stop/retire work prev wave employer-yr
WJ677      branchpoint for j677y
Wave 11 Exit:
XJ023      stopped working for slf-mo
XJ024      stopped working for slf- yr
XJ063      stop/retire work prev wave employer-mo
XJ064      stop/retire work prev wave employer-yr
XJ677      branchpoint for j677y
Wave 12 Exit:
YJ023      stopped working for slf-mo
YJ024      stopped working for slf- yr
YJ063      stop/retire work prev wave employer-mo
YJ064      stop/retire work prev wave employer-yr
YJ677      branchpoint for j677y
```

Month and Year Last Worked

Wave	Variable	Label	Type
0A	RAXJLASTM	raxjlastm: r month last worked	Cont
0A	RAXJLASTY	raxjlasty: r year last worked	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXJLASTM	5420	6.40	3.64	1.00	12.00
RAXJLASTY	10466	1989.04	13.36	1920.00	2014.00

How Constructed:

RAXJLASTM and RAXJLASTY indicate the month and year, respectively, that the respondent stopped working, either for himself/herself or for someone else, according to the proxy or as a result of death. If the preload indicated that the respondent was self-employed as of the previous interview, then the proxy is asked the month and year the respondent stopped working for himself/herself. If the preload indicated that the respondent worked for someone else as of the previous interview, then the proxy is asked the month and year the respondent stopped working for that employer, or if the respondent was still working there when he/she died. RAXJLASTM takes the value of the month that the respondent stopped working or the month of the respondent's death (KNOWNDECEASEDMO from the HRS Tracker File) if the respondent worked up until the time of death. RAXJLASTY takes the value of the year that the respondent stopped working or the year of the respondent's death (KNOWNDECEASEDYR from the HRS Tracker File) if the respondent worked up until the time of death. If the respondent had stopped working before the previous interview, then the value of RAXJLASTM and RAXJLASTY in the RAND HRS from the previous interview year are carried forward to RAXJLASTM and RAXJLASTY, respectively. If the respondent had reported never working in a previous interview, then a special missing value of .n has been carried forward from RAXJLASTM and RAXJLASTY in the RAND HRS. RAXJLASTM and RAXJLASTY are assigned special missing .e if the proxy denies that the respondent was self-employed at the previous interview and the preload indicated that the respondent was self-employed, or if the proxy denies that the respondent was working for someone else or for the named employer at the previous interview and the preload indicated that the respondent worked for someone else. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 3, if the preload indicates that the respondent was working for an employer at the last interview, then the proxy has the option of denying that the respondent was working at the previous interview, whereas in other waves, the proxy has the option of denying that the respondent was working for someone else or for the named employer at the previous interview.

Please note that respondents in the wave 3 exit interview whose last core interview was AHEAD wave 2 were not asked about past jobs in that interview, leaving a larger percentage of .m missings in RAXJLASTM and RAXJLASTY in the RAND HRS which are being carried forward to RAXJLASTM and RAXJLASTY for this wave.

In wave 6, unlike all other waves, the month and year the respondent stopped working for himself/herself or for an employer is asked even if the preload indicates that the respondent was not working at the previous wave. Because of this, many proxies responded that there was an error in the preload, resulting in a slightly higher level of .e special missings after the preload was accounted for in RAXJLASTM and RAXJLASTY in this wave compared to other waves.

Please note that there is no preload in HRS wave 2. The preloads for working status in AHEAD wave 2 and HRS waves 3 through 6 come from the Preload (Respondent) section of the interview, and one preload indicates whether the deceased respondent was working at the previous interview or not, while the other preload indicates whether the respondent was employed by someone else or self-employed at the previous interview. Starting in wave 7, the single preload for working status comes from the Employment (Respondent) section of the interview and indicates whether the deceased respondent was not working, employed by someone else, or self-employed at the previous interview.

HRS Variables Used:

RAND HRS:

R10JLASTM	r10jlastm:w10 month last worked/not workng
R10JLASTY	r10jlasty:w10 year last worked/not working
R11JLASTM	r11jlastm:w11 month last worked/not workng
R11JLASTY	r11jlasty:w11 year last worked/not working
R1JLASTM	r1jlastm:w1 month last worked/not workng
R1JLASTY	r1jlasty:w1 year last worked/not working
R2JLASTM	r2jlastm:w2 month last worked/not workng
R2JLASTY	r2jlasty:w2 year last worked/not working
R3JLASTM	r3jlastm:w3 month last worked/not workng
R3JLASTY	r3jlasty:w3 year last worked/not working
R4JLASTM	r4jlastm:w4 month last worked/not workng
R4JLASTY	r4jlasty:w4 year last worked/not working
R5JLASTM	r5jlastm:w5 month last worked/not workng
R5JLASTY	r5jlasty:w5 year last worked/not working
R6JLASTM	r6jlastm:w6 month last worked/not workng
R6JLASTY	r6jlasty:w6 year last worked/not working
R7JLASTM	r7jlastm:w7 month last worked/not workng
R7JLASTY	r7jlasty:w7 year last worked/not working
R8JLASTM	r8jlastm:w8 month last worked/not workng
R8JLASTY	r8jlasty:w8 year last worked/not working
R9JLASTM	r9jlastm:w9 month last worked/not workng
R9JLASTY	r9jlasty:w9 year last worked/not working

Tracker:

KNOWNDECEASEDMO	known deceased - month
KNOWNDECEASEDYR	known deceased - year

Wave 2 Exit:

W3316	fa2.working for pay
W4800	fc2.month stopped self-e
W4801	fc2a.year stopped self-e
W4897	fc16.month stopped work
W4898	fc16a.year stopped work

Wave 2A Exit:

N150	w1 cur working
N185	self/else employed
N3545	gc2.month stopped self-empl
N3546	gc2a.year stopped self-empl
N3639	gc16.month stopped working wave i emplo

Wave 3 Exit:

P150	prev wave cur working
P1745	gc2. month stopped self-empl
P1746	gc2a. year stopped self-empl
P1814	gc16. month stopped working wave i employer
P1815	gc16a. year stopped working wave i employer
P185	self/else employed

Wave 4 Exit:

Q2185	gc2. month stopped self-empl
Q2186	gc2a. year stopped self-empl
Q2254	gc16. month stopped working wave i emplo
Q2255	gc16a. year stopped working wave i emplo
Q270	prev wave cur working

Q289 prev wave self/else employed

Wave 5 Exit:

R2202 gc2. month stopped self-empl
R2203 gc2a. year stopped self-empl
R2271 gc16. month stop work wave i employment
R2272 gc16a. year stop work wave i employment
R270 pr270.prev wave cur working
R289 pr289.prev wave self/else employed

Wave 6 Exit:

SJ023 stopped working for slf-mo
SJ024 stopped working for slf- yr
SJ063 stop/retire work prev wave employer-mo
SJ064 stop/retire work prev wave employer-yr
SZ123 prev wave r currently working

Wave 7 Exit:

TJ023 stopped working for slf-mo
TJ024 stopped working for slf- yr
TJ063 stop/retire work prev wave employer-mo
TJ064 stop/retire work prev wave employer-yr
TJ677 branchpoint for j677y

Wave 8 Exit:

UJ023 stopped working for slf-mo
UJ024 stopped working for slf- yr
UJ063 stop/retire work prev wave employer-mo
UJ064 stop/retire work prev wave employer-yr
UJ677 branchpoint for j677y

Wave 9 Exit:

VJ023 stopped working for slf-mo
VJ024 stopped working for slf- yr
VJ063 stop/retire work prev wave employer-mo
VJ064 stop/retire work prev wave employer-yr
VJ677 branchpoint for j677y

Wave 10 Exit:

WJ023 stopped working for slf-mo
WJ024 stopped working for slf- yr
WJ063 stop/retire work prev wave employer-mo
WJ064 stop/retire work prev wave employer-yr
WJ677 branchpoint for j677y

Wave 11 Exit:

XJ023 stopped working for slf-mo
XJ024 stopped working for slf- yr
XJ063 stop/retire work prev wave employer-mo
XJ064 stop/retire work prev wave employer-yr
XJ677 branchpoint for j677y

Wave 12 Exit:

YJ023 stopped working for slf-mo
YJ024 stopped working for slf- yr
YJ063 stop/retire work prev wave employer-mo
YJ064 stop/retire work prev wave employer-yr
YJ677 branchpoint for j677y

Section L: Assistance and Caregiving

Whether Bedridden

Wave	Variable	Label	Type
0A	RABEDRDDN	rabedrddn: whether r bedridden before death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RABEDRDDN	12069	0.30	0.46	0.00	1.00

Categorical Variable Codes

Value	RABEDRDDN
.d:dk	686
.m:missing	12
.q:not asked this wave	174
.r:refuse	11
0.no	8482
1.yes	3587

How Constructed:

RABEDRDDN indicates whether the respondent was bedridden in the last three months before death. The proxy is asked about how many days the respondent stayed in bed more than half the day because of illness or injury during the last three months before death. RABEDRDDN is coded as 0 if the respondent spent 0 to 85 days in bed more than half the day during the last three months before death. RABEDRDDN is coded as 1 if the respondent spent more than 85 days in bed more than half the day during the last three months before death. This variable is not available for HRS wave 2, and is assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

The proxy is asked how many days the respondent spent in bed more than half the day because of illness or injury during the last three months before death starting in AHEAD wave 2 and HRS wave 3. This question is not asked in HRS wave 2.

HRS Variables Used:

Wave 2A Exit:	
N1819	e31x.days in bed
Wave 3 Exit:	
P1400	e31x.days in bed
Wave 4 Exit:	
Q1842	e32.(old e31) days in bed
Wave 5 Exit:	
R1862	e32.(old e31) days in bed
Wave 6 Exit:	
SG129	number days in bed
Wave 7 Exit:	
TG129	number days in bed
Wave 8 Exit:	
UG129	number days in bed
Wave 9 Exit:	
VG129	number days in bed
Wave 10 Exit:	
WG129	number days in bed
Wave 11 Exit:	

XG129	number days in bed
Wave 12 Exit:	
YG129	number days in bed

Activities of Daily Living: Whether Anyone Helped with ADLs

Wave	Variable	Label	Type
0A	RAXDRESSHLP	raxdresshlp: someone helped r dress final 3 months	Categ
0A	RAXWALKHLP	raxwalkhlp: someone helped r walk across a room final 3 mont	Categ
0A	RAXBATHEHLP	raxbathehlp: someone helped r bathe final 3 months	Categ
0A	RAXEATHLP	raxeathlp: someone helped r eat final 3 months	Categ
0A	RAXBEDHLP	raxbedhlp: someone helped r get in and out of bed final 3 mo	Categ
0A	RAXTOILETHLP	raxtoilethlp: someone helped r use the toilet final 3 months	Categ
0A	RAXADLH	raxadlh: someone helped r with adls final 3 months	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXDRESSHLP	9008	0.53	0.50	0.00	1.00
RAXWALKHLP	8832	0.41	0.49	0.00	1.00
RAXBATHEHLP	9049	0.57	0.49	0.00	1.00
RAXEATHLP	8982	0.35	0.48	0.00	1.00
RAXBEDHLP	8989	0.46	0.50	0.00	1.00
RAXTOILETHLP	8886	0.43	0.50	0.00	1.00
RAXADLH	9149	0.66	0.47	0.00	1.00

Categorical Variable Codes

Value	RAXDRESSHLP
.b:bed-ridden	3588
.d:dk	59
.j:did not do	38
.m:missing	12
.q:not asked this wave	174
.r:refuse	4
.t:cannot do	69
0.no	4267
1.yes	4741

Value	RAXWALKHLP
.b:bed-ridden	3588
.d:dk	51
.j:did not do	73
.m:missing	12
.q:not asked this wave	174
.r:refuse	5
.t:cannot do	217
0.no	5186
1.yes	3646

Value	RAXBATHEHLP
.b:bed-ridden	3588
.d:dk	55
.j:did not do	18
.m:missing	12

.q:not asked this wave	174
.r:refuse	5
.t:cannot do	51
0.no	3846
1.yes	5203

Value-----	RAXEATHLP
.b:bed-ridden	3588
.d:dk	60
.j:did not do	51
.m:missing	12
.q:not asked this wave	174
.r:refuse	6
.t:cannot do	79
0.no	5828
1.yes	3154

Value-----	RAXBEDHLP
.b:bed-ridden	3588
.d:dk	71
.j:did not do	43
.m:missing	12
.q:not asked this wave	174
.r:refuse	7
.t:cannot do	68
0.no	4875
1.yes	4114

Value-----	RAXTOILETHLP
.b:bed-ridden	3588
.d:dk	78
.j:did not do	117
.m:missing	12
.q:not asked this wave	174
.r:refuse	6
.t:cannot do	91
0.no	5028
1.yes	3858

Value-----	RAXADLH
.b:bed-ridden	3588
.d:dk	12
.j:did not do	2
.m:missing	12
.q:not asked this wave	174
.r:refuse	4
.t:cannot do	11
0.no	3133
1.yes	6016

How Constructed:

RAXDRESSHLP, RAXWALKHLP, RAXBATHEHLP, RAXEATHLP, RAXBEDHLP, and RAXTOILETHLP indicate whether anyone helped the deceased respondent with the specific activity of daily living in the last three months of life because of a physical, mental, emotional or memory problem, as reported by the proxy. RAXDRESSHLP indicates whether anyone helped the respondent with dressing, including putting on shoes and socks in the last three months of life. RAXWALKHLP indicates whether anyone helped the respondent get across a room in the last three months of life. RAXBATHEHLP indicates whether anyone helped the respondent with bathing or showering in the last three months of life. RAXEATHLP indicates whether anyone helped the respondent with eating, such as cutting up food in the last three months of life. RAXBEDHLP indicates whether anyone helped the respondent with getting in or out of bed in the last three months of life. RAXTOILETHLP indicates whether anyone helped the respondent with using the toilet, including getting up and down, in the last three months of life. RAXDRESSHLP, RAXWALKHLP, RAXBATHEHLP, RAXEATHLP, RAXBEDHLP, and RAXTOILETHLP are coded as 0 if nobody helped the respondent with the specific activity in the last three months of life. RAXDRESSHLP, RAXWALKHLP, RAXBATHEHLP, RAXEATHLP, RAXBEDHLP, and RAXTOILETHLP are coded as 1 if somebody helped the respondent with the specific activity in the last three months of life. If the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury, then the proxy is not asked these questions and the variables are assigned special missing .b. If the proxy responds that the respondent could not do the activity of daily living, then

the variables are assigned special missing .t. If the proxy responds that the respondent did not do the activity of daily living, then the variables are assigned special missing .j. These questions are not asked in HRS wave 2, and so these variables are assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXADLH indicates whether anyone helped the deceased respondent with any activity of daily living in the last three months of life because of a physical, mental, emotional or memory problem, as reported by the proxy. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. RAXADLH is coded as 0 if nobody helped the respondent with any activity of daily living. RAXADLH is coded as 1 if somebody helped the respondent with at least one activity of daily living. RAXADLH is assigned a 0 or 1 as long as at least one of the comprising ADL measures is not missing. If the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury, then the proxy is not asked these questions and RAXADLH is assigned special missing .b. This variable is not available in HRS wave 2 and is assigned special missing .q in this wave. Don't know, refused, did not do, could not do, or other missing responses are assigned special missing .d, .r, .j, .t, .m, respectively.

Cross Wave Differences in HRS

Questions about whether the respondent was helped with an ADL are not asked in HRS wave 2, but are asked starting in AHEAD wave 2 and HRS wave 3.

HRS Variables Used:

Wave 2A Exit:

N1819	e31x.days in bed
N1877	e72fx.adl walk help
N1887	e73fx.adl dress help
N1897	e74fx.adl bathe help
N1907	e75fx.adl eat help
N1920	e76fx.adl bed help
N1930	e77fx.adl toilet help

Wave 3 Exit:

P1400	e31x.days in bed
P1415	e72fx.adl walk help
P1425	e73fx.adl dress help
P1435	e74fx.adl bathe help
P1445	e75fx.adl eat help
P1458	e76fx.adl bed help
P1468	e77fx.adl toilet help

Wave 4 Exit:

Q1842	e32.(old e31) days in bed
Q1852	e73fx.dress diff
Q1859	e72x.walk diff
Q1881	e74x.bathing diff
Q1896	e75x.eat diff
Q1911	e76x.bed diff
Q1929	e77x.toilet diff

Wave 5 Exit:

R1862	e32.(old e31) days in bed
R1872	e73fx.dress diff
R1879	e72x.walk diff
R1894	e74x.bathing diff
R1909	e75x.eat diff
R1924	e76x.bed diff
R1942	e77x.toilet diff

Wave 6 Exit:

SG015	help w/dress
SG020	adl walk help
SG022	adl bathe help

SG024 adl eat help
SG029 adl bed help
SG031 adl toilet help
SG129 number days in bed

Wave 7 Exit:
TG015 help w/dress
TG020 adl walk help
TG022 adl bathe help
TG024 adl eat help
TG029 adl bed help
TG031 adl toilet help
TG129 number days in bed

Wave 8 Exit:
UG015 help w/dress
UG020 adl walk help
UG022 adl bathe help
UG024 adl eat help
UG029 adl bed help
UG031 adl toilet help
UG129 number days in bed

Wave 9 Exit:
VG015 help w/dress
VG020 adl walk help
VG022 adl bathe help
VG024 adl eat help
VG029 adl bed help
VG031 adl toilet help
VG129 number days in bed

Wave 10 Exit:
WG015 help w/dress
WG020 adl walk help
WG022 adl bathe help
WG024 adl eat help
WG029 adl bed help
WG031 adl toilet help
WG129 number days in bed

Wave 11 Exit:
XG015 help w/dress
XG020 adl walk help
XG022 adl bathe help
XG024 adl eat help
XG029 adl bed help
XG031 adl toilet help
XG129 number days in bed

Wave 12 Exit:
YG015 help w/dress
YG020 adl walk help
YG022 adl bathe help
YG024 adl eat help
YG029 adl bed help
YG031 adl toilet help
YG129 number days in bed

Activities of Daily Living: Age Began Needing Help with ADLs

Wave	Variable	Label	Type
0A	RAXDRESSAGE	raxdressage: age r began to need help dressing	Cont
0A	RAXWALKAGE	raxwalkage: age r began to need help walking across a room	Cont
0A	RAXBATHEAGE	raxbatheage: age r began to need help bathing	Cont
0A	RAXEATAGE	raxeatage: age r began to need help eating	Cont
0A	RAXBEDAGE	raxbedage: age r began to need help getting in/out of bed	Cont
0A	RAXTOILETAGE	raxtoiletage: age r began to need help using the toilet	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXDRESSAGE	4640	80.30	10.72	2.00	109.00
RAXWALKAGE	3728	79.98	10.90	2.00	110.00
RAXBATHEAGE	5071	80.42	10.46	2.00	109.00
RAXEATAGE	3153	80.99	10.35	32.00	111.00
RAXBEDAGE	4028	80.49	10.56	3.00	110.00
RAXTOILETAGE	3865	80.63	10.72	1.00	110.00

How Constructed:

RAXDRESSAGE, RAXWALKAGE, RAXBATHEAGE, RAXEATAGE, RAXBEDAGE, and RAXTOILETAGE indicate the age the deceased respondent began needing help with the specific activity of daily living because of a physical, mental, emotional or memory problem, as reported by the proxy. RAXDRESSAGE indicates the age the respondent began needing help with dressing, including putting on shoes and socks. RAXWALKAGE indicates the age the respondent began needing help with getting across a room. RAXBATHEAGE indicates the age the respondent began needing help with bathing or showering. RAXEATAGE indicates the age the respondent began needing help with eating, such as cutting up food. RAXBEDAGE indicates the age the respondent began needing help with getting in or out of bed. RAXTOILETAGE indicates the age the respondent began needing help with using the toilet, including getting up and down. The proxy can report the number of months or years that the respondent needed help with the activity, since what age the respondent needed help, or since what year the respondent needed help. If the proxy reports the number of months the respondent needed help, then this value and the respondent's age at death in months (taken from KNOWNDECEASEDYR and KNOWNDECEASEDMO in the HRS Tracker File) are used to obtain the age the respondent began needing help. If the proxy reports the number of years the respondent needed help, this value and the respondent's age at death are used to obtain the age the respondent began needing help. If the proxy reports the age the respondent began needing help, then that value is reported. If the proxy reports the year the respondent began needing help, then this value, the respondent's death year (KNOWNDECEASEDYR from the HRS Tracker File), and the respondent's death age are used to obtain the age the respondent began needing help. If the reported or calculated age is greater than the age at death or takes on a negative value, then these variables are coded with special missing .i. RAXDRESSAGE, RAXWALKAGE, RAXBATHEAGE, RAXEATAGE, RAXBEDAGE, and RAXTOILETAGE are coded as special missing .h if nobody helped the respondent with the specific activity in the last three months of life. If the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury, then the proxy is not asked these questions and the variables are assigned special missing .b. In AHEAD wave 2 and HRS wave 3, if the proxy

responds that the respondent could not do or did not do the activity of daily living, then these questions are not asked and the variables are assigned special missing .t or .j, respectively. These questions are not asked in HRS wave 2, and so these variables are assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Please note the presence of several low values (below age 18) for RAXDRESSAGE, RAXWALKAGE, RAXBATHEAGE, RAXBEDAGE, and RAXTOILETAGE. These extreme values were ages reported by the proxies to denote since what age the respondent needed help with the particular ADL. We have left the use of these values to the discretion of the user.

Cross Wave Differences in HRS

Questions about when the respondent began needing help with ADLs are not asked in HRS wave 2, but are asked beginning in AHEAD wave 2 and HRS wave 3.

Proxies were first asked whether anyone helped with the ADL activity in the last three months before death, and if so, then asked to report the number of months, number of years, since what age, or since what year the respondent needed help. In AHEAD wave 2 and HRS wave 3, if the proxy responds that the respondent "could not do" or "did not do" the ADL activity when asked whether anyone helped with the activity, then the proxy was not asked the second question. Starting in wave 4, the proxy is asked the second question if the proxy responds that the respondent "could not do" or "did not do" the ADL activity.

HRS Variables Used:

RAND HRS:

RABMONTH rabmonth: r birth month
RABYEAR rabyear: r birth year

Tracker:

KNOWNDECEASEDMO known deceased - month
KNOWNDECEASEDYR known deceased - year

Wave 2A Exit:

N1819 e31x.days in bed
N1877 e72fx.adl walk help
N1878 e72gx.walk help when
N1879 e72hx.walk years
N1880 e72hx.walk since age
N1881 e72hx.walk since year
N1887 e73fx.adl dress help
N1888 e73gx.dress help when
N1889 e72hx.dress years
N1890 e72hx.dress since age
N1891 e72hx.dress since year
N1897 e74fx.adl bathe help
N1898 e74gx.walk help when
N1899 e74hx.bathe years
N1900 e74hx.bathe since age
N1901 e74hx.bathe since year
N1907 e75fx.adl eat help
N1908 e75gx.eat help when
N1909 e75hx.eat years
N1910 e75hx.eat since age
N1911 e75hx.eat since year
N1920 e76fx.adl bed help
N1921 e76gx.bed help when
N1922 e76hx.bed years
N1923 e76hx.bed since age
N1924 e76hx.bed since year
N1930 e77fx.adl toilet help
N1931 e77gx.toilet help when
N1932 e77hx.toilet years

N1933	e77hx.toilet since age
N1934	e77hx.toilet since year
Wave 3 Exit:	
P1400	e31x.days in bed
P1415	e72fx.adl walk help
P1416	e72gx.walk help when
P1417	e72hx.walk years
P1418	e72hx.walk since age
P1419	e72hx.walk since year
P1425	e73fx.adl dress help
P1426	e73gx.dress help when
P1427	e72hx.dress years
P1428	e72hx.dress since age
P1429	e72hx.dress since year
P1435	e74fx.adl bathe help
P1436	e74gx.how long help bath
P1437	e74hx.bathe years
P1438	e74hx.bathe since age
P1439	e74hx.bathe since year
P1445	e75fx.adl eat help
P1446	e75gx.eat help when
P1447	e75hx.eat years
P1448	e75hx.eat since age
P1449	e75hx.eat since year
P1458	e76fx.adl bed help
P1459	e76gx.bed help when
P1460	e76hx.bed years
P1461	e76hx.bed since age
P1462	e76hx.bed since year
P1468	e77fx.adl toilet help
P1469	e77gx.toilet help when
P1470	e77hx.toilet years
P1471	e77hx.toilet since age
P1472	e77hx.toilet since year
Wave 4 Exit:	
Q1842	e32.(old e31) days in bed
Q1852	e73fx.dress diff
Q1853	e73gx.dress help when
Q1854	e73gx.dress years
Q1855	e73gx.dress since age
Q1856	e73gx.dress since year
Q1859	e72x.walk diff
Q1863	e72fx.walking help when
Q1864	e72fx.walking years
Q1865	e72fx.walking since age
Q1866	e72fx.walking since year
Q1881	e74x.bathing diff
Q1882	e74fx.bathing help when
Q1883	e74fx.bathing years
Q1884	e74fx.bathing since age
Q1885	e74fx.bathing since year
Q1896	e75x.eat diff
Q1897	e75fx.eat help when
Q1898	e75fx.eat years
Q1899	e75fx.eat since age
Q1900	e75fx.eat since year
Q1911	e76x.bed diff
Q1917	e76fx.bed help when
Q1918	e76fx.bed years
Q1919	e76fx.bed since age
Q1920	e76fx.bed since year
Q1929	e77x.toilet diff
Q1930	e77fx.toilet help when

Q1931	e77fx.toilet years
Q1932	e77fx.toilet since age
Q1933	e77fx.toilet since year
Wave 5 Exit:	
R1862	e32.(old e31) days in bed
R1872	e73fx.dress diff
R1873	e73gx.dress help when
R1874	e73gax.dress years
R1875	e73gbx.dress since age
R1876	e73gcx.dress since year
R1879	e72x.walk diff
R1883	e72fx.walking help when
R1884	e72fax.walking years
R1885	e72fbx.walking since age
R1886	e72fcx.walking since year
R1894	e74x.bathing diff
R1895	e74fx.bathing help when
R1896	e74fax.bathing years
R1897	e74fbx.bathing since age
R1898	e74fcx.bathing since year
R1909	e75x.eat diff
R1910	e75fx.eat help when
R1911	e75fax.eat years
R1912	e75fbx.eat since age
R1913	e75fcx.eat since year
R1924	e76x.bed diff
R1930	e76fx.bed help when
R1931	e76fax.bed years
R1932	e76fbx.bed since age
R1933	e76fcx.bed since year
R1942	e77x.toilet diff
R1943	e77fx.toilet help when
R1944	e77fax.toilet years
R1945	e77fbx.toilet since age
R1946	e77fcx.toilet since year
Wave 6 Exit:	
SG015	help w/dress
SG020	adl walk help
SG022	adl bathe help
SG024	adl eat help
SG029	adl bed help
SG031	adl toilet help
SG129	number days in bed
SG130	help dressing- months
SG131	help dressing- years
SG132	help dressing- since age
SG133	help dressing- since year
SG134	help walking- months
SG135	help walking- years
SG136	help walking- since age
SG137	help walking- since year
SG138	help bathing- months
SG139	help bathing- years
SG140	help bathing- since age
SG141	help bathing- since year
SG142	help eating- months
SG143	help eating- years
SG144	help eating- since age
SG145	help in/out bed- months
SG146	help in/out bed- years
SG147	help in/out bed- since age
SG148	help in/out bed- since year
SG149	help using toilet- months

SG150 help using toilet- years
SG151 help using toilet- since age
SG152 help using toilet- since year
SG170 help eating- since year

Wave 7 Exit:

TG015 help w/dress
TG020 adl walk help
TG022 adl bathe help
TG024 adl eat help
TG029 adl bed help
TG031 adl toilet help
TG129 number days in bed
TG130 help dressing- months
TG131 help dressing- years
TG132 help dressing- since age
TG133 help dressing- since year
TG134 help walking- months
TG135 help walking- years
TG136 help walking- since age
TG137 help walking- since year
TG138 help bathing- months
TG139 help bathing- years
TG140 help bathing- since age
TG141 help bathing- since year
TG142 help eating- months
TG143 help eating- years
TG144 help eating- since age
TG145 help in/out bed- months
TG146 help in/out bed- years
TG147 help in/out bed- since age
TG148 help in/out bed- since year
TG149 help using toilet- months
TG150 help using toilet- years
TG151 help using toilet- since age
TG152 help using toilet- since year
TG170 help eating- since year

Wave 8 Exit:

UG015 help w/dress
UG020 adl walk help
UG022 adl bathe help
UG024 adl eat help
UG029 adl bed help
UG031 adl toilet help
UG129 number days in bed
UG130 help dressing- months
UG131 help dressing- years
UG132 help dressing- since age
UG133 help dressing- since year
UG134 help walking- months
UG135 help walking- years
UG136 help walking- since age
UG137 help walking- since year
UG138 help bathing- months
UG139 help bathing- years
UG140 help bathing- since age
UG141 help bathing- since year
UG142 help eating- months
UG143 help eating- years
UG144 help eating- since age
UG145 help in/out bed- months
UG146 help in/out bed- years
UG147 help in/out bed- since age
UG148 help in/out bed- since year

UG149 help using toilet- months
UG150 help using toilet- years
UG151 help using toilet- since age
UG152 help using toilet- since year
UG170 help eating- since year

Wave 9 Exit:

VG015 help w/dress
VG020 adl walk help
VG022 adl bathe help
VG024 adl eat help
VG029 adl bed help
VG031 adl toilet help
VG129 number days in bed
VG130 help dressing- months
VG131 help dressing- years
VG132 help dressing- since age
VG133 help dressing- since year
VG134 help walking- months
VG135 help walking- years
VG136 help walking- since age
VG137 help walking- since year
VG138 help bathing- months
VG139 help bathing- years
VG140 help bathing- since age
VG141 help bathing- since year
VG142 help eating- months
VG143 help eating- years
VG144 help eating- since age
VG145 help in/out bed- months
VG146 help in/out bed- years
VG147 help in/out bed- since age
VG148 help in/out bed- since year
VG149 help using toilet- months
VG150 help using toilet- years
VG151 help using toilet- since age
VG152 help using toilet- since year
VG170 help eating- since year

Wave 10 Exit:

WG015 help w/dress
WG020 adl walk help
WG022 adl bathe help
WG024 adl eat help
WG029 adl bed help
WG031 adl toilet help
WG129 number days in bed
WG130 help dressing- months
WG131 help dressing- years
WG132 help dressing- since age
WG133 help dressing- since year
WG134 help walking- months
WG135 help walking- years
WG136 help walking- since age
WG137 help walking- since year
WG138 help bathing- months
WG139 help bathing- years
WG140 help bathing- since age
WG141 help bathing- since year
WG142 help eating- months
WG143 help eating- years
WG144 help eating- since age
WG145 help in/out bed- months
WG146 help in/out bed- years
WG147 help in/out bed- since age

WG148 help in/out bed- since year
WG149 help using toilet- months
WG150 help using toilet- years
WG151 help using toilet- since age
WG152 help using toilet- since year
WG170 help eating- since year

Wave 11 Exit:

XG015 help w/dress
XG020 adl walk help
XG022 adl bathe help
XG024 adl eat help
XG029 adl bed help
XG031 adl toilet help
XG129 number days in bed
XG130 help dressing- months
XG131 help dressing- years
XG132 help dressing- since age
XG133 help dressing- since year
XG134 help walking- months
XG135 help walking- years
XG136 help walking- since age
XG137 help walking- since year
XG138 help bathing- months
XG139 help bathing- years
XG140 help bathing- since age
XG141 help bathing- since year
XG142 help eating- months
XG143 help eating- years
XG144 help eating- since age
XG145 help in/out bed- months
XG146 help in/out bed- years
XG147 help in/out bed- since age
XG148 help in/out bed- since year
XG149 help using toilet- months
XG150 help using toilet- years
XG151 help using toilet- since age
XG152 help using toilet- since year
XG170 help eating- since year

Wave 12 Exit:

YG015 help w/dress
YG020 adl walk help
YG022 adl bathe help
YG024 adl eat help
YG029 adl bed help
YG031 adl toilet help
YG129 number days in bed
YG130 help dressing- months
YG131 help dressing- years
YG132 help dressing- since age
YG133 help dressing- since year
YG134 help walking- months
YG135 help walking- years
YG136 help walking- since age
YG137 help walking- since year
YG138 help bathing- months
YG139 help bathing- years
YG140 help bathing- since age
YG141 help bathing- since year
YG142 help eating- months
YG143 help eating- years
YG144 help eating- since age
YG145 help in/out bed- months
YG146 help in/out bed- years

YG147	help in/out bed- since age
YG148	help in/out bed- since year
YG149	help using toilet- months
YG150	help using toilet- years
YG151	help using toilet- since age
YG152	help using toilet- since year
YG170	help eating- since year

Activities of Daily Living: Help Received Started to be Needed within Final Year

Wave	Variable	Label	Type
0A	RAXDRESSB1Y	raxdressbly: r final help with dressing started within year	Categ
0A	RAXWALKB1Y	raxwalkbly: r final help with walking across room started wi	Categ
0A	RAXBATHEB1Y	raxbathebly: r final help with bathing started within year	Categ
0A	RAXEATB1Y	raxeatbly: r final help with eating started within year	Categ
0A	RAXBEDB1Y	raxbedbly: r final help with getting in/out bed started with	Categ
0A	RAXTOILETB1Y	raxtoiletbly: r final help with toileting started within yea	Categ
0A	RAXADLBH1Y	raxadlbhly: r final help with any adl started within year	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXDRESSB1Y	4641	0.80	0.40	0.00	1.00
RAXWALKB1Y	3729	0.82	0.38	0.00	1.00
RAXBATHEB1Y	5072	0.77	0.42	0.00	1.00
RAXEATB1Y	3154	0.86	0.34	0.00	1.00
RAXBEDB1Y	4029	0.87	0.34	0.00	1.00
RAXTOILETB1Y	3866	0.85	0.35	0.00	1.00
RAXADLBH1Y	5861	0.91	0.29	0.00	1.00

Categorical Variable Codes

Value	RAXDRESSB1Y
.b:bed-ridden	3588
.d:dk	244
.h:no help received	4267
.i:invalid response	2
.j:did not do	4
.m:missing	16
.q:not asked this wave	174
.r:refuse	7
.t:cannot do	9
0.no	918
1.yes	3723

Value	RAXWALKB1Y
.b:bed-ridden	3588
.d:dk	222
.h:no help received	5186
.i:invalid response	4
.j:did not do	2
.m:missing	17
.q:not asked this wave	174
.r:refuse	9
.t:cannot do	21
0.no	671
1.yes	3058

Value	RAXBATHEB1Y
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.b:bed-ridden	3588
.d:dk	237
.h:no help received	3846
.i:invalid response	1
.m:missing	13
.q:not asked this wave	174
.r:refuse	10
.t:cannot do	11
0.no	1184
1.yes	3888

Value-----	RAXEATB1Y
.b:bed-ridden	3588
.d:dk	176
.h:no help received	5828
.i:invalid response	1
.j:did not do	4
.m:missing	14
.q:not asked this wave	174
.r:refuse	7
.t:cannot do	6
0.no	435
1.yes	2719

Value-----	RAXBEDB1Y
.b:bed-ridden	3588
.d:dk	247
.h:no help received	4875
.i:invalid response	3
.j:did not do	2
.m:missing	13
.q:not asked this wave	174
.r:refuse	14
.t:cannot do	7
0.no	535
1.yes	3494

Value-----	RAXTOILETB1Y
.b:bed-ridden	3588
.d:dk	248
.h:no help received	5028
.i:invalid response	4
.j:did not do	7
.m:missing	15
.q:not asked this wave	174
.r:refuse	11
.t:cannot do	11
0.no	564
1.yes	3302

Value-----	RAXADLBH1Y
.b:bed-ridden	3588
.d:dk	228
.h:no help received	3068
.i:invalid response	2
.j:did not do	3
.m:missing	12
.q:not asked this wave	174
.r:refuse	11
.t:cannot do	5
0.no	551
1.yes	5310

How Constructed:

RAXDRESSB1Y, RAXWALKB1Y, RAXBATHEB1Y, RAXEATB1Y, RAXBEDB1Y, and RAXTOILETB1Y indicate whether the help the deceased respondent received in the last three months of life with the specific activity of daily living because of a physical, mental, emotional or memory problem, started to be needed within the last year of life. RAXDRESSB1Y indicates whether the help the respondent received with dressing, including putting on shoes and socks, in the last three months of life started to be needed within the last year of life. RAXWALKB1Y indicates whether the help the respondent received with getting across a room in the last three months of life started to be needed within the last year of life. RAXBATHEB1Y indicates whether the

help the respondent received with bathing or showering in the last three months of life started to be needed within the last year of life. RAXEATB1Y indicates whether the help the respondent received with eating, such as cutting up food, in the last three months of life started to be needed within the last year of life. RAXBEDB1Y indicates whether the help the respondent received with getting in or out of bed in the last three months of life started to be needed within the last year of life. RAXTOILETB1Y indicates whether the help the respondent received with using the toilet, including getting up and down, in the last three months of life started to be needed within the last year of life. The proxy is asked when the respondent began needing help with the activity, and the proxy can report the number of months or years that the respondent needed help with the activity, since what age the respondent needed help, or since what year the respondent needed help. If the proxy reports the age the respondent began needing help, then that value is subtracted from the respondent's age at death to determine how long the respondent needed help. If the proxy reports the year the respondent began needing help, then this value is subtracted from the respondent's death year (KNOWNDECEASEDYR from the HRS Tracker File) to determine how long the respondent needed help. RAXDRESSB1Y, RAXWALKB1Y, RAXBATHEB1Y, RAXEATB1Y, RAXBEDB1Y, and RAXTOILETB1Y are assigned a value of 0 if the proxy reported that the respondent received help in the last three months of life and the need for this help started more than 12 months or more than 1 year before death, or if the proxy reported an age or year when the respondent began needing help and this value was greater than a year before death. These variables are assigned a value of 1 if the proxy reported that the respondent received help in the last three months of life and the need for this help started 12 or fewer months or 0 or 1 years before death, or if the proxy reported an age or year when the respondent began needing help and this value was a year or less before death.

If the reported or calculated time is greater than the age at death or takes on a negative value, then these variables are coded with special missing .i. RAXDRESSB1Y, RAXWALKB1Y, RAXBATHEB1Y, RAXEATB1Y, RAXBEDB1Y, and RAXTOILETB1Y are coded as special missing .h if nobody helped the respondent with the specific activity in the last three months of life. If the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury, then the proxy is not asked these questions and the variables are assigned special missing .b. In AHEAD wave 2 and HRS wave 3, if the proxy responds that the respondent could not do or did not do the activity of daily living, then these questions are not asked and the variables are assigned special missing .t or .j, respectively. These questions are not asked in HRS wave 2, and so these variables are assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXADLBH1Y indicates whether the help the deceased respondent received with any activity of daily living because of a physical, mental, emotional or memory problem in the last three months of life started to be needed within the last year of life. The activities of daily living include dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. RAXADLBH1Y is coded as 0 if the respondent received help with at least one ADL activity in the last three months of life but the respondent began needing help more than 1 year before death. RAXADLBH1Y is coded as 1 if somebody helped the respondent with at least one activity of daily living in the last three months of life and the respondent began needing help with at least one activity in the last year of life. RAXADLBH1Y is coded as 0 or 1 as long as at least one of the comprising measures is not missing. If the reported or calculated time is greater than the age at death or takes on a negative value, then this variable is coded with special missing .i. RAXADLBH1Y is coded as special missing .h if nobody helped the respondent with any ADL activity in the last three months of life. If the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury, then the proxy is not asked these questions and the variables are assigned special missing .b. These questions are not asked in HRS wave 2, and so these variables are assigned special missing .q in this wave. Don't know, refused, did not do, could not do, or other missing responses are assigned special missing .d, .r, .j, .t, .m, respectively.

Cross Wave Differences in HRS

Questions about when the respondent began needing help with ADLs are not asked in HRS wave 2, but are asked beginning in AHEAD wave 2 and HRS wave 3. The proxy is not specifically asked whether the respondent began needing help with the ADL activity in the last year before

death, rather this is calculated based on the proxy's responses to when the respondent began needing help with ADL activities.

Proxies were first asked whether anyone helped with the ADL activity in the last three months before death, and if so, then asked to report the number of months, number of years, since what age, or since what year the respondent needed help. In AHEAD wave 2 and HRS wave 3, if the proxy responds that the respondent "could not do" or "did not do" the ADL activity when asked whether anyone helped with the activity, then the proxy was not asked the second question. Starting in wave 4, the proxy is asked the second question if the proxy responds that the respondent "could not do" or "did not do" the ADL activity.

HRS Variables Used:

RAND HRS:

RABMONTH rabmonth: r birth month
RABYEAR rabyear: r birth year

Tracker:

KNOWNDECEASEDMO known deceased - month
KNOWNDECEASEDYR known deceased - year

Wave 2A Exit:

N1819 e31x.days in bed
N1877 e72fx.adl walk help
N1878 e72gx.walk help when
N1879 e72hx.walk years
N1880 e72hx.walk since age
N1881 e72hx.walk since year
N1887 e73fx.adl dress help
N1888 e73gx.dress help when
N1889 e72hx.dress years
N1890 e72hx.dress since age
N1891 e72hx.dress since year
N1897 e74fx.adl bathe help
N1898 e74gx.walk help when
N1899 e74hx.bathe years
N1900 e74hx.bathe since age
N1901 e74hx.bathe since year
N1907 e75fx.adl eat help
N1908 e75gx.eat help when
N1909 e75hx.eat years
N1910 e75hx.eat since age
N1911 e75hx.eat since year
N1920 e76fx.adl bed help
N1921 e76gx.bed help when
N1922 e76hx.bed years
N1923 e76hx.bed since age
N1924 e76hx.bed since year
N1930 e77fx.adl toilet help
N1931 e77gx.toilet help when
N1932 e77hx.toilet years
N1933 e77hx.toilet since age
N1934 e77hx.toilet since year

Wave 3 Exit:

P1400 e31x.days in bed
P1415 e72fx.adl walk help
P1416 e72gx.walk help when
P1417 e72hx.walk years
P1418 e72hx.walk since age
P1419 e72hx.walk since year
P1425 e73fx.adl dress help
P1426 e73gx.dress help when
P1427 e72hx.dress years
P1428 e72hx.dress since age
P1429 e72hx.dress since year

P1435 e74fx.adl bathe help
P1436 e74gx.how long help bath
P1437 e74hx.bathe years
P1438 e74hx.bathe since age
P1439 e74hx.bathe since year
P1445 e75fx.adl eat help
P1446 e75gx.eat help when
P1447 e75hx.eat years
P1448 e75hx.eat since age
P1449 e75hx.eat since year
P1458 e76fx.adl bed help
P1459 e76gx.bed help when
P1460 e76hx.bed years
P1461 e76hx.bed since age
P1462 e76hx.bed since year
P1468 e77fx.adl toilet help
P1469 e77gx.toilet help when
P1470 e77hx.toilet years
P1471 e77hx.toilet since age
P1472 e77hx.toilet since year

Wave 4 Exit:

Q1842 e32.(old e31) days in bed
Q1852 e73fx.dress diff
Q1853 e73gx.dress help when
Q1854 e73gx.dress years
Q1855 e73gx.dress since age
Q1856 e73gx.dress since year
Q1859 e72x.walk diff
Q1863 e72fx.walking help when
Q1864 e72fx.walking years
Q1865 e72fx.walking since age
Q1866 e72fx.walking since year
Q1881 e74x.bathing diff
Q1882 e74fx.bathing help when
Q1883 e74fx.bathing years
Q1884 e74fx.bathing since age
Q1885 e74fx.bathing since year
Q1896 e75x.eat diff
Q1897 e75fx.eat help when
Q1898 e75fx.eat years
Q1899 e75fx.eat since age
Q1900 e75fx.eat since year
Q1911 e76x.bed diff
Q1917 e76fx.bed help when
Q1918 e76fx.bed years
Q1919 e76fx.bed since age
Q1920 e76fx.bed since year
Q1929 e77x.toilet diff
Q1930 e77fx.toilet help when
Q1931 e77fx.toilet years
Q1932 e77fx.toilet since age
Q1933 e77fx.toilet since year

Wave 5 Exit:

R1862 e32.(old e31) days in bed
R1872 e73fx.dress diff
R1873 e73gx.dress help when
R1874 e73gax.dress years
R1875 e73gbx.dress since age
R1876 e73gcx.dress since year
R1879 e72x.walk diff
R1883 e72fx.walking help when
R1884 e72fax.walking years
R1885 e72fbx.walking since age

R1886 e72fcx.walking since year
R1894 e74x.bathing diff
R1895 e74fx.bathing help when
R1896 e74fax.bathing years
R1897 e74fbx.bathing since age
R1898 e74fcx.bathing since year
R1909 e75x.eat diff
R1910 e75fx.eat help when
R1911 e75fax.eat years
R1912 e75fbx.eat since age
R1913 e75fcx.eat since year
R1924 e76x.bed diff
R1930 e76fx.bed help when
R1931 e76fax.bed years
R1932 e76fbx.bed since age
R1933 e76fcx.bed since year
R1942 e77x.toilet diff
R1943 e77fx.toilet help when
R1944 e77fax.toilet years
R1945 e77fbx.toilet since age
R1946 e77fcx.toilet since year

Wave 6 Exit:

SG015 help w/dress
SG020 adl walk help
SG022 adl bathe help
SG024 adl eat help
SG029 adl bed help
SG031 adl toilet help
SG129 number days in bed
SG130 help dressing- months
SG131 help dressing- years
SG132 help dressing- since age
SG133 help dressing- since year
SG134 help walking- months
SG135 help walking- years
SG136 help walking- since age
SG137 help walking- since year
SG138 help bathing- months
SG139 help bathing- years
SG140 help bathing- since age
SG141 help bathing- since year
SG142 help eating- months
SG143 help eating- years
SG144 help eating- since age
SG145 help in/out bed- months
SG146 help in/out bed- years
SG147 help in/out bed- since age
SG148 help in/out bed- since year
SG149 help using toilet- months
SG150 help using toilet- years
SG151 help using toilet- since age
SG152 help using toilet- since year
SG170 help eating- since year

Wave 7 Exit:

TG015 help w/dress
TG020 adl walk help
TG022 adl bathe help
TG024 adl eat help
TG029 adl bed help
TG031 adl toilet help
TG129 number days in bed
TG130 help dressing- months
TG131 help dressing- years

TG132 help dressing- since age
TG133 help dressing- since year
TG134 help walking- months
TG135 help walking- years
TG136 help walking- since age
TG137 help walking- since year
TG138 help bathing- months
TG139 help bathing- years
TG140 help bathing- since age
TG141 help bathing- since year
TG142 help eating- months
TG143 help eating- years
TG144 help eating- since age
TG145 help in/out bed- months
TG146 help in/out bed- years
TG147 help in/out bed- since age
TG148 help in/out bed- since year
TG149 help using toilet- months
TG150 help using toilet- years
TG151 help using toilet- since age
TG152 help using toilet- since year
TG170 help eating- since year

Wave 8 Exit:

UG015 help w/dress
UG020 adl walk help
UG022 adl bathe help
UG024 adl eat help
UG029 adl bed help
UG031 adl toilet help
UG129 number days in bed
UG130 help dressing- months
UG131 help dressing- years
UG132 help dressing- since age
UG133 help dressing- since year
UG134 help walking- months
UG135 help walking- years
UG136 help walking- since age
UG137 help walking- since year
UG138 help bathing- months
UG139 help bathing- years
UG140 help bathing- since age
UG141 help bathing- since year
UG142 help eating- months
UG143 help eating- years
UG144 help eating- since age
UG145 help in/out bed- months
UG146 help in/out bed- years
UG147 help in/out bed- since age
UG148 help in/out bed- since year
UG149 help using toilet- months
UG150 help using toilet- years
UG151 help using toilet- since age
UG152 help using toilet- since year
UG170 help eating- since year

Wave 9 Exit:

VG015 help w/dress
VG020 adl walk help
VG022 adl bathe help
VG024 adl eat help
VG029 adl bed help
VG031 adl toilet help
VG129 number days in bed
VG130 help dressing- months

VG131 help dressing- years
VG132 help dressing- since age
VG133 help dressing- since year
VG134 help walking- months
VG135 help walking- years
VG136 help walking- since age
VG137 help walking- since year
VG138 help bathing- months
VG139 help bathing- years
VG140 help bathing- since age
VG141 help bathing- since year
VG142 help eating- months
VG143 help eating- years
VG144 help eating- since age
VG145 help in/out bed- months
VG146 help in/out bed- years
VG147 help in/out bed- since age
VG148 help in/out bed- since year
VG149 help using toilet- months
VG150 help using toilet- years
VG151 help using toilet- since age
VG152 help using toilet- since year
VG170 help eating- since year

Wave 10 Exit:

WG015 help w/dress
WG020 adl walk help
WG022 adl bathe help
WG024 adl eat help
WG029 adl bed help
WG031 adl toilet help
WG129 number days in bed
WG130 help dressing- months
WG131 help dressing- years
WG132 help dressing- since age
WG133 help dressing- since year
WG134 help walking- months
WG135 help walking- years
WG136 help walking- since age
WG137 help walking- since year
WG138 help bathing- months
WG139 help bathing- years
WG140 help bathing- since age
WG141 help bathing- since year
WG142 help eating- months
WG143 help eating- years
WG144 help eating- since age
WG145 help in/out bed- months
WG146 help in/out bed- years
WG147 help in/out bed- since age
WG148 help in/out bed- since year
WG149 help using toilet- months
WG150 help using toilet- years
WG151 help using toilet- since age
WG152 help using toilet- since year
WG170 help eating- since year

Wave 11 Exit:

XG015 help w/dress
XG020 adl walk help
XG022 adl bathe help
XG024 adl eat help
XG029 adl bed help
XG031 adl toilet help
XG129 number days in bed

XG130 help dressing- months
XG131 help dressing- years
XG132 help dressing- since age
XG133 help dressing- since year
XG134 help walking- months
XG135 help walking- years
XG136 help walking- since age
XG137 help walking- since year
XG138 help bathing- months
XG139 help bathing- years
XG140 help bathing- since age
XG141 help bathing- since year
XG142 help eating- months
XG143 help eating- years
XG144 help eating- since age
XG145 help in/out bed- months
XG146 help in/out bed- years
XG147 help in/out bed- since age
XG148 help in/out bed- since year
XG149 help using toilet- months
XG150 help using toilet- years
XG151 help using toilet- since age
XG152 help using toilet- since year
XG170 help eating- since year

Wave 12 Exit:

YG015 help w/dress
YG020 adl walk help
YG022 adl bathe help
YG024 adl eat help
YG029 adl bed help
YG031 adl toilet help
YG129 number days in bed
YG130 help dressing- months
YG131 help dressing- years
YG132 help dressing- since age
YG133 help dressing- since year
YG134 help walking- months
YG135 help walking- years
YG136 help walking- since age
YG137 help walking- since year
YG138 help bathing- months
YG139 help bathing- years
YG140 help bathing- since age
YG141 help bathing- since year
YG142 help eating- months
YG143 help eating- years
YG144 help eating- since age
YG145 help in/out bed- months
YG146 help in/out bed- years
YG147 help in/out bed- since age
YG148 help in/out bed- since year
YG149 help using toilet- months
YG150 help using toilet- years
YG151 help using toilet- since age
YG152 help using toilet- since year
YG170 help eating- since year

Activities of Daily Living: Who Helped with ADLs

Wave	Variable	Label	Type
0A	RAXAHSP	raxahsp: spouse helped r with adls final 3 months	Categ
0A	RAXAHKID	raxahkid: child/grandchild helped r with adls final 3 months	Categ
0A	RAXAHRL	raxahrl: relative helped r with adls final 3 months	Categ
0A	RAXAHOT	raxahot: other individual helped r with adls final 3 months	Categ
0A	RAXAHPRO	raxahpro: professional helped r with adls final 3 months	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXAHSP	9355	0.28	0.45	0.00	1.00
RAXAHKID	9355	0.44	0.50	0.00	1.00
RAXAHRL	9355	0.09	0.28	0.00	1.00
RAXAHOT	9355	0.29	0.45	0.00	1.00
RAXAHPRO	9355	0.41	0.49	0.00	1.00

Categorical Variable Codes

Value	RAXAHSP
.b:bed-ridden	267
.d:dk	3
.h:no help received	3108
.m:missing	44
.q:not asked this wave	174
.r:refuse	1
0.no	6770
1.yes	2585

Value	RAXAHKID
.b:bed-ridden	267
.d:dk	3
.h:no help received	3108
.m:missing	44
.q:not asked this wave	174
.r:refuse	1
0.no	5234
1.yes	4121

Value	RAXAHRL
.b:bed-ridden	267
.d:dk	3
.h:no help received	3108
.m:missing	44
.q:not asked this wave	174
.r:refuse	1
0.no	8524
1.yes	831

Value	RAXAHOT
.b:bed-ridden	267
.d:dk	3
.h:no help received	3108
.m:missing	44
.q:not asked this wave	174

.r:refuse	1
0.no	6661
1.yes	2694
Value-----	
	RAXAHPRO
.b:bed-ridden	267
.d:dk	3
.h:no help received	3108
.m:missing	44
.q:not asked this wave	174
.r:refuse	1
0.no	5505
1.yes	3850

How Constructed:

RAXAHSP, RAXAHKID, RAXAHRL, RAXAHOT, and RAXAHPRO indicate whether a specific person helped the deceased respondent with any activity of daily living, as reported by the proxy. The proxy is first asked whether anyone helped the respondent with each ADL activity, and if the proxy reports that someone helped the respondent with the activity of daily living, then the proxy is asked for the relationship of the people who helped the respondent with each activity in AHEAD wave 2 and HRS wave 3, or with any ADL activity starting in wave 4. Starting in wave 4, the proxy is also asked for the relationship of the people who helped the respondent if the proxy reported that the respondent was bedridden. The proxy is able to report the relationships of multiple people who helped the respondent. RAXAHSP indicates whether the respondent's spouse or partner helped the respondent with ADLs. RAXAHKID indicates whether the respondent's child, son, stepson, son-in-law, daughter, stepdaughter, daughter-in-law, grandchild, an unlisted child or child-in-law, former step-child, former child-in-law, grandchild-in-law, unknown child/ambiguous child relationship, or ambiguous child-in-law relationship helped the respondent with ADLs. RAXAHRL indicates whether the respondent's father, father-in-law, mother, mother-in-law, parents, brother, brother-in-law, sister, sister-in-law, or other relative helped the respondent with ADLs. RAXAHOT indicates whether another individual, late spouse/partner, ex-spouse/partner, not proxy interview, organization, or person of unknown relationship helped the respondent with ADLs. RAXAHPRO indicates whether an employee of institution, paid helper, professional, or specified professional helped the respondent with ADLs. RAXAHSP, RAXAHKID, RAXAHRL, RAXAHOT, and RAXAHPRO are coded as 0 if no one of the specified relationship helped the respondent with ADLs. RAXAHSP, RAXAHKID, RAXAHRL, RAXAHOT, and RAXAHPRO are coded as 1 if somebody of the specified relationship helped the respondent with ADLs. RAXAHSP, RAXAHKID, RAXAHRL, RAXAHOT, and RAXAHPRO are coded as special missing .h if nobody helped the respondent with the specific activity in the last three months of life. In AHEAD wave 2 and HRS wave 3, RAXAHSP, RAXAHKID, RAXAHRL, RAXAHOT, and RAXAHPRO are coded as special missing .b if the proxy was not asked who helped the respondent because the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. These variables are not available in HRS wave 2 and are assigned special missing .q in this wave. Don't know, refused, and other missing responses are assigned special missing .d, .r, .m, respectively.

In AHEAD wave 2 and HRS waves 3 through 5, the Preload HH Member Child (PR_MC) file is used to supplement the information obtained in the main exit interview file and assign relationships to the respondent's helpers. In HRS wave 3, the Helper file is also used to assign relationships to the respondent's helpers.

Cross Wave Differences in HRS

Questions regarding who helped the respondent with any ADL activity are not asked in HRS wave 2, but are asked beginning in AHEAD wave 2 and HRS wave 3.

In AHEAD wave 2 and HRS wave 3, the proxy is not asked who helped the respondent if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. Starting in wave 4, the proxy is asked who helped the respondent with ADL activities if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury.

In AHEAD wave 2 and HRS wave 3, the proxy is asked who helped the respondent after each ADL that the proxy reported the respondent having help with. Starting in wave 4, the proxy is

asked who helped the respondent with any ADL that the proxy reported the respondent having difficulty with once all the ADL activities have been inquired about.

In AHEAD wave 2 and HRS waves 3 through 5, the Preload HH Member Child (PR_MC) file is used to supplement the information obtained in the main exit interview file and assign relationships to the respondent's helpers. In HRS wave 3, the Helper file is also used to assign relationships to the respondent's helpers. In waves 6 and onward, the information to assign relationships to the respondent's helpers is only taken from the main exit interview file.

The categories for helper relationships are different across waves. In AHEAD wave 2 and HRS waves 3 through 5, the categories are more general, and across the files used to obtain relationships to the respondent in these waves, categories include the respondent's spouse, child, step/partner child, child-in-law, unlisted child or child-in-law, grandchild, employee of institution, other relative, other individual, organization, professional, and other. Only in HRS wave 3, deceased child and all children are also categories used to assign relationships of the respondent's helper. Starting in wave 6, the relationship list is much more specific, specifying sons, daughters, additional relative relationships, and paid helpers. Wave 6 includes categories for "not proxy interview" and "relationship unknown", which are not included in the following waves. The wave 6 category of "unknown child" is changed to "ambiguous child relationship" in the following waves. Starting in wave 7, the additional category of "ambiguous child-in-law relationship" is included.

HRS Variables Used:

Wave 2A Exit:

N1819	e31x.days in bed
N1877	e72fx.adl walk help
N1887	e73fx.adl dress help
N1897	e74fx.adl bathe help
N1907	e75fx.adl eat help
N1920	e76fx.adl bed help
N1930	e77fx.adl toilet help
N1961	e83.who help-11
N1967	e83a.type helper-1
N1975	e84.who help-2
N1976	e84a.type helper-2
N1984	e85.who help-3
N1985	e85a.type helper-3
N1988	e86.who help-4
N1989	e86a.type helper-4
N1992	e87.who help-5
N1993	e87a.type helper-5
N1996	e88.who help-6
N1997	e88a.type helper-6
N2000	e89.who help-7
N2001	e89a.type helper-7

Wave 2A Exit PRMC:

N10	FAMILY/HH MEM REL TO IDFM
OPN	FAMILY/HH MEMBER PERSON NUMBER

Wave 3 Exit:

P1400	e31x.days in bed
P1415	e72fx.adl walk help
P1425	e73fx.adl dress help
P1435	e74fx.adl bathe help
P1445	e75fx.adl eat help
P1458	e76fx.adl bed help
P1468	e77fx.adl toilet help
P1499	e83.who help-11
P1505	e83a.type helper-1
P1513	e84.who help-2
P1514	e84a.type helper-2
P1522	e85.who help-3

P1523	e85a.type helper-3
P1526	e86.who help-4
P1527	e86a.type helper-4
P1530	e87.who help-5
P1531	e87a.type helper-5
P1534	e88.who help-6
P1535	e88a.type helper-6
P1538	e89.who help-7
P1539	e89a.type helper-7
Wave 3 Exit PRMC:	
OPN	HH1 FAM LINE NO
P10	HH1 REL TO PREV WAVE FAMILY R
Wave 3 Exit Helper:	
OPN	Other Person Number
P1673A	HELPER RELATIONSHIP - COMBINED
Wave 4 Exit:	
Q1842	e32.(old e31) days in bed
Q1852	e73fx.dress diff
Q1859	e72x.walk diff
Q1881	e74x.bathing diff
Q1896	e75x.eat diff
Q1911	e76x.bed diff
Q1929	e77x.toilet diff
Q1956	e83.who help-1
Q1962	e83a.type helper-1
Q1970	e84.who help-2
Q1971	e84a.type helper-2
Q1979	e85.who help-3
Q1980	e85a.type helper-3
Q1983	e86.who help-4
Q1984	e86a.type helper-4
Q1987	e87.who help-5
Q1988	e87a.type helper-5
Q1991	e88.who help-6
Q1992	e88a.type helper-6
Q1995	e89.who help-7
Q1996	e89a.type helper-7
Wave 4 Exit PRMC:	
OPN	OTHER PERSON NUMBER
Q11	REL TO IDFM
Wave 5 Exit:	
R1862	e32.(old e31) days in bed
R1872	e73fx.dress diff
R1879	e72x.walk diff
R1894	e74x.bathing diff
R1909	e75x.eat diff
R1924	e76x.bed diff
R1942	e77x.toilet diff
R1950	e83.who help-1
R1956	e83a.type helper-1
R1964	e84.who help-2
R1965	e84a.type helper-2
R1973	e85.who help-3
R1974	e85a.type helper-3
R1977	e86.who help-4
R1978	e86a.type helper-4
R1981	e87.who help-5
R1982	e87a.type helper-5
R1985	e88.who help-6
R1986	e88a.type helper-6
R1989	e89.who help-7
R1990	e89a.type helper-7
Wave 5 Exit PRMC:	

OPN	OTHER PERSON NUMBER
R11	PR11. REL TO IDFM
Wave 6 Exit:	
SG015	help w/dress
SG020	adl walk help
SG022	adl bathe help
SG024	adl eat help
SG029	adl bed help
SG031	adl toilet help
SG033_1	adl helper relationship to r- 1
SG033_2	adl helper relationship to r- 2
SG033_3	adl helper relationship to r- 3
SG033_4	adl helper relationship to r- 4
SG033_5	adl helper relationship to r- 5
SG033_6	adl helper relationship to r- 6
SG033_7	adl helper relationship to r- 7
SG129	number days in bed
Wave 7 Exit:	
TG015	help w/dress
TG020	adl walk help
TG022	adl bathe help
TG024	adl eat help
TG029	adl bed help
TG031	adl toilet help
TG033_1	adl helper relationship to r- 1
TG033_2	adl helper relationship to r- 2
TG033_3	adl helper relationship to r- 3
TG033_4	adl helper relationship to r- 4
TG033_5	adl helper relationship to r- 5
TG033_6	adl helper relationship to r- 6
TG033_7	adl helper relationship to r- 7
TG129	number days in bed
Wave 8 Exit:	
UG015	help w/dress
UG020	adl walk help
UG022	adl bathe help
UG024	adl eat help
UG029	adl bed help
UG031	adl toilet help
UG033_1	adl helper relationship to r- 1
UG033_2	adl helper relationship to r- 2
UG033_3	adl helper relationship to r- 3
UG033_4	adl helper relationship to r- 4
UG033_5	adl helper relationship to r- 5
UG033_6	adl helper relationship to r- 6
UG033_7	adl helper relationship to r- 7
UG129	number days in bed
Wave 9 Exit:	
VG015	help w/dress
VG020	adl walk help
VG022	adl bathe help
VG024	adl eat help
VG029	adl bed help
VG031	adl toilet help
VG033_1	adl helper relationship to r- 1
VG033_2	adl helper relationship to r- 2
VG033_3	adl helper relationship to r- 3
VG033_4	adl helper relationship to r- 4
VG033_5	adl helper relationship to r- 5
VG033_6	adl helper relationship to r- 6
VG033_7	adl helper relationship to r- 7
VG129	number days in bed
Wave 10 Exit:	

WG015 help w/dress
WG020 adl walk help
WG022 adl bathe help
WG024 adl eat help
WG029 adl bed help
WG031 adl toilet help
WG033_1 adl helper relationship to r- 1
WG033_2 adl helper relationship to r- 2
WG033_3 adl helper relationship to r- 3
WG033_4 adl helper relationship to r- 4
WG033_5 adl helper relationship to r- 5
WG033_6 adl helper relationship to r- 6
WG033_7 adl helper relationship to r- 7
WG129 number days in bed

Wave 11 Exit:

XG015 help w/dress
XG020 adl walk help
XG022 adl bathe help
XG024 adl eat help
XG029 adl bed help
XG031 adl toilet help
XG033_1 adl helper relationship to r- 1
XG033_2 adl helper relationship to r- 2
XG033_3 adl helper relationship to r- 3
XG033_4 adl helper relationship to r- 4
XG033_5 adl helper relationship to r- 5
XG033_6 adl helper relationship to r- 6
XG033_7 adl helper relationship to r- 7
XG129 number days in bed

Wave 12 Exit:

YG015 help w/dress
YG020 adl walk help
YG022 adl bathe help
YG024 adl eat help
YG029 adl bed help
YG031 adl toilet help
YG033_1 adl helper relationship to r- 1
YG033_2 adl helper relationship to r- 2
YG033_3 adl helper relationship to r- 3
YG033_4 adl helper relationship to r- 4
YG033_5 adl helper relationship to r- 5
YG033_6 adl helper relationship to r- 6
YG033_7 adl helper relationship to r- 7
YG129 number days in bed

Instrumental Activities of Daily Living: Whether Anyone Helped with IADLs

Wave	Variable	Label	Type
0A	RAXMEALHLP	raxmealhlp: someone helped r with hot meals final 3 months	Categ
0A	RAXSHOPHLP	raxshophlp: someone helped r with grocery shopping final 3 m	Categ
0A	RAXPHONEHLP	raxphonehlp: someone helped r with using the phone final 3 m	Categ
0A	RAXMEDHLP	raxmedhlp: someone helped r with medications final 3 months	Categ
0A	RAXIADLH	raxiadlh: someone helped r with iadls final 3 months	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXMEALHLP	6262	0.52	0.50	0.00	1.00
RAXSHOPHLP	5819	0.53	0.50	0.00	1.00
RAXPHONEHLP	10434	0.29	0.45	0.00	1.00
RAXMEDHLP	8114	0.51	0.50	0.00	1.00
RAXIADLH	11241	0.60	0.49	0.00	1.00

Categorical Variable Codes

Value	RAXMEALHLP
.b:bed-ridden	706
.d:dk	35
.j:did not do	1306
.m:missing	13
.n:in nursing home	4136
.q:not asked this wave	174
.r:refuse	5
.t:cannot do	315
0.no	3019
1.yes	3243

Value	RAXSHOPHLP
.b:bed-ridden	706
.c:had help with meals	178
.d:dk	36
.j:did not do	1522
.m:missing	13
.n:in nursing home	4136
.q:not asked this wave	174
.r:refuse	5
.t:cannot do	363
0.no	2715
1.yes	3104

Value	RAXPHONEHLP
.b:bed-ridden	267
.d:dk	90
.j:did not do	1352
.m:missing	13
.q:not asked this wave	174
.r:refuse	4
.t:cannot do	618
0.no	7391
1.yes	3043

Value-----	RAXMEDHLP
.b:bed-ridden	267
.d:dk	48
.j:did not do	124
.m:missing	15
.n:in nursing home	4136
.q:not asked this wave	174
.r:refuse	4
.t:cannot do	70
0.no	3983
1.yes	4131

Value-----	RAXIADLH
.b:bed-ridden	267
.d:dk	55
.j:did not do	789
.m:missing	12
.q:not asked this wave	174
.r:refuse	3
.t:cannot do	411
0.no	4548
1.yes	6693

How Constructed:

RAXMEALHLP, RAXSHOPHLP, RAXPHONEHLP, and RAXMEDHLP indicate whether anyone helped the deceased respondent with the specific instrumental activity of daily living in the last three months of life because of a physical, mental, emotional or memory problem, as reported by the proxy. RAXMEALHLP indicates whether anyone helped the respondent prepare hot meals in the last three months of life. RAXSHOPHLP indicates whether anyone helped the respondent shop for groceries in the last three months of life. RAXPHONEHLP indicates whether anyone helped the respondent make phone calls in the last three months of life. RAXMEDHLP indicates whether anyone helped the respondent with taking medication in the last three months of life. RAXMEALHLP, RAXSHOPHLP, RAXPHONEHLP, and RAXMEDHLP are coded as 0 if nobody helped the respondent with the specific activity in the last three months of life. RAXMEALHLP, RAXSHOPHLP, RAXPHONEHLP, and RAXMEDHLP are coded as 1 if somebody helped the respondent with the specific activity in the last three months of life. If the proxy responds that the respondent could not do the instrumental activity of daily living, then the variables are assigned special missing .t. If the proxy responds that the respondent did not do the instrumental activity of daily living, then the variables are assigned special missing .j. In AHEAD wave 2 and HRS wave 3, these variables are coded as special missing .b if the proxy is not asked these questions because the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. In waves 4 and 5, RAXMEALHLP and RAXSHOPHLP are coded as special missing .b if the proxy is not asked whether someone helped the respondent with meals or shopping for groceries because the respondent spent more than 85 days in the last 3 months in bed. Starting in wave 4, RAXMEALHLP, RAXSHOPHLP, and RAXMEDHLP are assigned special missing .n if the proxy is not asked whether someone helped the respondent with preparing hot meals, shopping for groceries, or taking medication because the respondent lived in a nursing home or other health facility at the time of death. In waves 4 and 5, RAXSHOPHLP is assigned special missing .c if the proxy is not asked whether someone helped the respondent with shopping for groceries because the respondent received help preparing hot meals but this help was reportedly not because of a physical, mental, emotional or memory problem. RAXMEALHLP, RAXSHOPHLP, RAXPHONEHLP, and RAXMEDHLP are not available in HRS wave 2 and are assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXIADLH indicates whether anyone helped the deceased respondent with any instrumental activity of daily living in the last three months of life because of a physical, mental, emotional or memory problem, as reported by the proxy. The instrumental activities of daily living include preparing hot meals, shopping for groceries, using the telephone, and taking medication. RAXIADLH is coded as 0 if nobody helped the respondent with any instrumental activity of daily living. RAXIADLH is coded as 1 if somebody helped the respondent with at least one instrumental activity of daily living. RAXIADLH is assigned a 0 or 1 as long as at least one of the comprising IADL measures is not missing. In AHEAD wave 2 and HRS wave 3, RAXIADLH is coded as special missing .b if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury and the proxy is not

asked whether anyone helped the respondent with IADLs. Starting in wave 4, if the respondent lived in a nursing home or other health facility at the time of death, then the proxy is not asked about meals, shopping, or medication, so RAXIADLH is equivalent to RAXPHONEHLP for these respondents in these waves. RAXIADLH is not available in HRS wave 2 and is assigned special missing .q in this wave. Don't know, refused, did not do, could not do, or other missing responses are assigned special missing .d, .r, .j, .t, .m, respectively.

Cross Wave Differences in HRS

The proxy is not asked whether someone helped the respondent with meals, shopping for groceries, using the phone, or taking medications in HRS wave 2.

In AHEAD wave 2 and HRS wave 3, the proxy is not asked whether someone helped the respondent with meals, shopping for groceries, using the phone, or taking medications if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. In waves 4 and 5, the proxy is not asked whether someone helped the respondent with meals or shopping for groceries if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. In waves 4 and 5, the proxy is not asked whether someone helped the respondent with shopping for groceries if the respondent received help with preparing hot meals but this help was reportedly not because of a health or memory problem. Starting in wave 6, if the respondent lived in a nursing home or other health facility at the time of death, then the proxy is not asked about meals, shopping, or medication.

HRS Variables Used:

Wave 2A Exit:

N1819	e31x.days in bed
N2011	e95x.iadl meals help
N2019	e96x.iadl groc help
N2027	e97x.iadl phone help
N2035	e98x.iadl med help

Wave 3 Exit:

P1400	e31x.days in bed
P1549	e95x.iadl meals help
P1557	e96x.iadl groc help
P1565	e97x.iadl phone help
P1573	e98x.iadl med help

Wave 4 Exit:

Q1842	e32.(old e31) days in bed
Q2010	e95x.iadl meals diff
Q2012	e95bx.meals -why dont
Q2020	e96x.iadl groc diff
Q2030	e97x.iadls phone diff
Q2040	e98x.iadls medication diff

Wave 5 Exit:

R1862	e32.(old e31) days in bed
R2002	e95x.iadl meals diff
R2004	e95bx.meals -why dont
R2012	e96x.iadl groc diff
R2022	e97x.iadls phone diff
R2032	e98x.iadls medication diff

Wave 6 Exit:

SA028	r in nursing home
SG043	iadl meal preparation help
SG046	iadl groc shop help
SG049	iadl making phone calls help
SG053	iadl taking medications help

Wave 7 Exit:

TA167	r in nursing home
TG043	iadl meal preparation help
TG046	iadl groc shop help

TG049	iadl making phone calls help
TG053	iadl taking medications help
Wave 8 Exit:	
UA167	r in nursing home
UG043	iadl meal preparation help
UG046	iadl groc shop help
UG049	iadl making phone calls help
UG053	iadl taking medications help
Wave 9 Exit:	
VA167	r in nursing home
VG043	iadl meal preparation help
VG046	iadl groc shop help
VG049	iadl making phone calls help
VG053	iadl taking medications help
Wave 10 Exit:	
WA028	r in nursing home
WG043	iadl meal preparation help
WG046	iadl groc shop help
WG049	iadl making phone calls help
WG053	iadl taking medications help
Wave 11 Exit:	
XA028	r in nursing home
XG043	iadl meal preparation help
XG046	iadl groc shop help
XG049	iadl making phone calls help
XG053	iadl taking medications help
Wave 12 Exit:	
YA028	r in nursing home
YG043	iadl meal preparation help
YG046	iadl groc shop help
YG049	iadl making phone calls help
YG053	iadl taking medications help

Instrumental Activities of Daily Living: Age Began Needing Help with IADLs

Wave	Variable	Label	Type
0A	RAXMEALAGE	raxmealage: age r began to need help with hot meals	Cont
0A	RAXSHOPAGE	raxshopage: age r began to need help grocery shopping	Cont
0A	RAXPHONEAGE	raxphoneage: age r began to need help using the phone	Cont
0A	RAXMEDAGE	raxmedage: age r began to need help with medications	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXMEALAGE	3783	76.05	12.55	0.00	109.00
RAXSHOPAGE	4014	76.19	11.65	0.00	103.00
RAXPHONEAGE	4323	79.96	11.16	0.00	109.00
RAXMEDAGE	4087	77.12	10.77	0.00	109.00

How Constructed:

RAXMEALAGE, RAXSHOPAGE, RAXPHONEAGE, and RAXMEDAGE indicate the age the deceased respondent began needing help with the specific instrumental activity of daily living because of a physical, mental, emotional or memory problem, as reported by the proxy. RAXMEALAGE indicates the age the respondent began needing help with preparing hot meals. RAXSHOPAGE indicates the age the respondent began needing help with shopping for groceries. RAXPHONEAGE indicates the age the respondent began needing help with using the telephone. RAXMEDAGE indicates the age the respondent began needing help with taking medication. The proxy can report the number of months or years that the respondent needed help with the activity, since what age the respondent needed help, or since what year the respondent needed help. If the proxy reports the number of months the respondent needed help, this value and the respondent's age at death in months (taken from KNOWNDECEASEDYR and KNOWNDECEASEDMO in the HRS Tracker File) are used to obtain the age the respondent began needing help. If the proxy reports the number of years the respondent needed help, this value and the respondent's age at death are used to obtain the age the respondent began needing help. If the proxy reports the age the respondent began needing help, then that value is reported. If the proxy reports the year the respondent began needing help, then this value, the respondent's death year (KNOWNDECEASEDYR from the HRS Tracker File), and the respondent's death age are used to obtain the age the respondent began needing help.

If the reported or calculated age is greater than the age at death or takes on a negative value, then these variables are coded with special missing .i. RAXMEALAGE, RAXSHOPAGE, RAXPHONEAGE, and RAXMEDAGE are coded as special missing .h if nobody helped the respondent with the specific activity in the last three months of life. In AHEAD wave 2, RAXMEALAGE is coded as special missing .o if the age was reported as other. In wave 4, RAXMEALAGE is coded as special missing .i if the answer was coded as "time not given in months". In AHEAD wave 2 and HRS wave 3, these variables are coded as special missing .b if the proxy is not asked these questions because the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. In waves 4 and 5, RAXMEALAGE and RAXSHOPAGE are coded as special missing .b if the proxy is not asked whether someone helped the respondent with meals or shopping for groceries because the respondent spent more than 85 days in the last three months in bed. Starting in wave 4, if the respondent needed help with an activity, but it was not the result of a health or memory problem, then the proxy is not asked how long the respondent had needed help with the activity, and the variable is assigned special missing .l. Also starting in wave 4, if the respondent lived in a nursing home or other health facility at the time of death, then the proxy is not asked about the age the

respondent began needing help with meals, shopping, or medication and RAXMEALAGE, RAXSHOPAGE, and RAXMEDAGE are assigned special missing .n. In waves 4 and 5, RAXSHOPAGE is assigned special missing .c if the proxy was not asked whether someone helped the respondent with shopping for groceries because the respondent received help with preparing hot meals but this help was reportedly not the result of a health or memory problem. RAXMEALAGE, RAXSHOPAGE, RAXPHONEAGE, and RAXMEDAGE are not available in HRS wave 2 and so are assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Please note the presence of several low values (below age 14) for RAXMEALAGE, RAXSHOPAGE, RAXPHONEAGE, and RAXMEDAGE. These extreme values were either ages, the number of years, or since what year the respondent needed help with the particular ADL as reported by the proxies. We have left the use of these values to the discretion of the user.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is not asked whether someone helped the respondent with meals, shopping for groceries, using the phone, or taking medication.

In AHEAD wave 2 and HRS wave 3, the proxy is not asked whether someone helped the respondent with meals, shopping for groceries, using the phone, or taking medications if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. In waves 4 and 5, the proxy is not asked whether someone helped the respondent with meals or shopping for groceries if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. Starting in wave 4, if the respondent needed help with an activity, but it was not the result of a health or memory problem, then the proxy is not asked how long the respondent had needed help with the activity. Starting in wave 4, if the respondent lived in a nursing home or other health facility at the time of death, then the proxy is not asked whether someone helped the respondent or what age the respondent began needing help with meals, shopping, or medication. In waves 4 and 5, the proxy is not asked whether someone helped the respondent with shopping for groceries if the respondent received help preparing hot meals but this help was reportedly not the result of a health or memory problem.

In AHEAD wave 2, the proxy can respond that the age the respondent began needing help with preparing hot meals is "other". In wave 4, it was possible for the time to not be given in months for the age the respondent began needing help with preparing hot meals.

HRS Variables Used:

RAND HRS:

RABMONTH rabmonth: r birth month
RABYEAR rabyear: r birth year

Tracker:

KNOWNDECEASEDMO known deceased - month
KNOWNDECEASEDYR known deceased - year

Wave 2A Exit:

N1819 e31x.days in bed
N2011 e95x.iadl meals help
N2014 e95gx.meal help when
N2015 e95hx.meal years
N2016 e95hx.meal since age
N2017 e95hx.meal since year
N2019 e96x.iadl groc help
N2022 e96gx.shop help when
N2023 e96hx.shop years
N2024 e96hx.shop since age
N2025 e96hx.shop since year
N2027 e97x.iadl phone help
N2030 e97gx.phone help when
N2031 e97hx.phone years
N2032 e97hx.phone since age

N2033 e97hx.phone since year
N2035 e98x.iadl med help
N2038 e98gx.medication help when
N2039 e98hx.medication years
N2040 e98hx.medication since age
N2041 e98hx.medication since year

Wave 3 Exit:

P1400 e31x.days in bed
P1549 e95x.iadl meals help
P1552 e95gx.meal help when
P1553 e95hx.meal years
P1554 e95hx.meal since age
P1555 e95hx.meal since year
P1557 e96x.iadl groc help
P1560 e96gx.shop help when
P1561 e96hx.shop years
P1562 e96hx.shop since age
P1563 e96hx.shop since year
P1565 e97x.iadl phone help
P1568 e97gx.phone help when
P1569 e97hx.phone years
P1570 e97hx.phone since age
P1571 e97hx.phone since year
P1573 e98x.iadl med help
P1576 e98gx.medication help when
P1577 e98hx.medication years
P1578 e98hx.medication since age
P1579 e98hx.medication since year

Wave 4 Exit:

Q1842 e32.(old e31) days in bed
Q2010 e95x.iadl meals diff
Q2012 e95bx.meals -why dont
Q2013 e95gx.meals help when
Q2014 e95hx.meals years
Q2015 e95hx.meals since age
Q2016 e95hx.meals since year
Q2020 e96x.iadl groc diff
Q2023 e96gx.groc help when
Q2024 e96hx.groc years
Q2025 e96hx.groc since age
Q2026 e96hx.groc since year
Q2030 e97x.iadls phone diff
Q2033 e97gx.phone help when
Q2034 e97hx.phone years
Q2035 e97hx.phone since age
Q2036 e97hx.phone since year
Q2040 e98x.iadls medication diff
Q2042 e98gx.med help when
Q2043 e98hx.med years
Q2044 e98hx.med since age
Q2045 e98hx.med since year

Wave 5 Exit:

R1862 e32.(old e31) days in bed
R2002 e95x.iadl meals diff
R2004 e95bx.meals -why dont
R2005 e95gx.meals help when
R2006 e95hx.meals years
R2007 e95hax.meals since age
R2008 e95hbx.meals since year
R2012 e96x.iadl groc diff
R2015 e96gx.groc help when
R2016 e96hx.groc years
R2017 e96hax.groc since age

R2018 e96hbx.groc since year
R2022 e97x.iadls phone diff
R2025 e97gx.phone help when
R2026 e97hx.phone years
R2027 e97hax.phone since age
R2028 e97hbx.phone since year
R2032 e98x.iadls medication diff
R2034 e98gx.med help when
R2035 e98hx.med years
R2036 e98hax.med since age
R2037 e98hbx.med since year

Wave 6 Exit:

SA028 r in nursing home
SG043 iadl meal preparation help
SG046 iadl groc shop help
SG049 iadl making phone calls help
SG053 iadl taking medications help
SG153 help hot meals- months
SG154 help hot meals- years
SG155 help hot meals- since age
SG156 help hot meals- since year
SG157 help groc shopping- months
SG158 help groc shopping- years
SG159 help groc shopping- since age
SG160 help groc shopping- since year
SG161 help w/ phone calls- mem prob
SG162 help phone calls- months
SG163 help phone calls- years
SG164 help phone calls- since age
SG165 help phone calls- since year
SG166 help w/ medication- months
SG167 help w/ medication- years
SG168 help w/ medication- since age
SG169 help w/ medication- since year
SG171 help hot meals- mem prob
SG173 grocery shopping- mem prob
SG174 help w/ medication- mem prob

Wave 7 Exit:

TA167 r in nursing home
TG043 iadl meal preparation help
TG046 iadl groc shop help
TG049 iadl making phone calls help
TG053 iadl taking medications help
TG153 help hot meals- months
TG154 help hot meals- years
TG155 help hot meals- since age
TG156 help hot meals- since year
TG157 help groc shopping- months
TG158 help groc shopping- years
TG159 help groc shopping- since age
TG160 help groc shopping- since year
TG161 help w/ phone calls- mem prob
TG162 help phone calls- months
TG163 help phone calls- years
TG164 help phone calls- since age
TG165 help phone calls- since year
TG166 help w/ medication- months
TG167 help w/ medication- years
TG168 help w/ medication- since age
TG169 help w/ medication- since year
TG171 help hot meals- mem prob
TG173 grocery shopping- mem prob
TG174 help w/ medication- mem prob

Wave 8 Exit:

UA167 r in nursing home
UG043 iadl meal preparation help
UG046 iadl groc shop help
UG049 iadl making phone calls help
UG053 iadl taking medications help
UG153 help hot meals- months
UG154 help hot meals- years
UG155 help hot meals- since age
UG156 help hot meals- since year
UG157 help groc shopping- months
UG158 help groc shopping- years
UG159 help groc shopping- since age
UG160 help groc shopping- since year
UG161 help w/ phone calls- mem prob
UG162 help phone calls- months
UG163 help phone calls- years
UG164 help phone calls- since age
UG165 help phone calls- since year
UG166 help w/ medication- months
UG167 help w/ medication- years
UG168 help w/ medication- since age
UG169 help w/ medication- since year
UG171 help hot meals- mem prob
UG173 grocery shopping- mem prob
UG174 help w/ medication- mem prob

Wave 9 Exit:

VA167 r in nursing home
VG043 iadl meal preparation help
VG046 iadl groc shop help
VG049 iadl making phone calls help
VG053 iadl taking medications help
VG153 help hot meals- months
VG154 help hot meals- years
VG155 help hot meals- since age
VG156 help hot meals- since year
VG157 help groc shopping- months
VG158 help groc shopping- years
VG159 help groc shopping- since age
VG160 help groc shopping- since year
VG161 help w/ phone calls- mem prob
VG162 help phone calls- months
VG163 help phone calls- years
VG164 help phone calls- since age
VG165 help phone calls- since year
VG166 help w/ medication- months
VG167 help w/ medication- years
VG168 help w/ medication- since age
VG169 help w/ medication- since year
VG171 help hot meals- mem prob
VG173 grocery shopping- mem prob
VG174 help w/ medication- mem prob

Wave 10 Exit:

WA028 r in nursing home
WG043 iadl meal preparation help
WG046 iadl groc shop help
WG049 iadl making phone calls help
WG053 iadl taking medications help
WG153 help hot meals- months
WG154 help hot meals- years
WG155 help hot meals- since age
WG156 help hot meals- since year
WG157 help groc shopping- months

WG158 help groc shopping- years
WG159 help groc shopping- since age
WG160 help groc shopping- since year
WG161 help w/ phone calls- mem prob
WG162 help phone calls- months
WG163 help phone calls- years
WG164 help phone calls- since age
WG165 help phone calls- since year
WG166 help w/ medication- months
WG167 help w/ medication- years
WG168 help w/ medication- since age
WG169 help w/ medication- since year
WG171 help hot meals- mem prob
WG173 grocery shopping- mem prob
WG174 help w/ medication- mem prob

Wave 11 Exit:

XA028 r in nursing home
XG043 iadl meal preparation help
XG046 iadl groc shop help
XG049 iadl making phone calls help
XG053 iadl taking medications help
XG153 help hot meals- months
XG154 help hot meals- years
XG155 help hot meals- since age
XG156 help hot meals- since year
XG157 help groc shopping- months
XG158 help groc shopping- years
XG159 help groc shopping- since age
XG160 help groc shopping- since year
XG161 help w/ phone calls- mem prob
XG162 help phone calls- months
XG163 help phone calls- years
XG164 help phone calls- since age
XG165 help phone calls- since year
XG166 help w/ medication- months
XG167 help w/ medication- years
XG168 help w/ medication- since age
XG169 help w/ medication- since year
XG171 help hot meals- mem prob
XG173 grocery shopping- mem prob
XG174 help w/ medication- mem prob

Wave 12 Exit:

YA028 r in nursing home
YG043 iadl meal preparation help
YG046 iadl groc shop help
YG049 iadl making phone calls help
YG053 iadl taking medications help
YG153 help hot meals- months
YG154 help hot meals- years
YG155 help hot meals- since age
YG156 help hot meals- since year
YG157 help groc shopping- months
YG158 help groc shopping- years
YG159 help groc shopping- since age
YG160 help groc shopping- since year
YG161 help w/ phone calls- mem prob
YG162 help phone calls- months
YG163 help phone calls- years
YG164 help phone calls- since age
YG165 help phone calls- since year
YG166 help w/ medication- months
YG167 help w/ medication- years
YG168 help w/ medication- since age

YG169 help w/ medication- since year
YG171 help hot meals- mem prob
YG173 grocery shopping- mem prob
YG174 help w/ medication- mem prob

Instrumental Activities of Daily Living: Help Received Started to be Needed within Final Year
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Wave	Variable	Label	Type
0A	RAXMEALB1Y	raxmealbly: r final help with hot meals started within year	Categ
0A	RAXSHOPB1Y	raxshopbly: r final help with grocery shopping started withi	Categ
0A	RAXPHONEB1Y	raxphonebly: r final help with using the phone started withi	Categ
0A	RAXMEDB1Y	raxmedbly: r final help with medications started within year	Categ
0A	RAXIADLBH1Y	raxiadlbhly: r final help with any iadl started within year	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXMEALB1Y	3788	0.73	0.44	0.00	1.00
RAXSHOPB1Y	4014	0.69	0.46	0.00	1.00
RAXPHONEB1Y	4324	0.72	0.45	0.00	1.00
RAXMEDB1Y	4087	0.76	0.43	0.00	1.00
RAXIADLBH1Y	7500	0.78	0.41	0.00	1.00

Categorical Variable Codes

Value-----	RAXMEALB1Y
.b:bed-ridden	706
.d:dk	209
.h:no help received	3019
.l:not due to health/memory	880
.m:missing	26
.n:in nursing home	4136
.o:other	1
.q:not asked this wave	174
.r:refuse	13
0.no	1015
1.yes	2773

Value-----	RAXSHOPB1Y
.b:bed-ridden	706
.c:had help with meals	178
.d:dk	181
.h:no help received	2715
.i:invalid response	1
.l:not due to health/memory	817
.m:missing	17
.n:in nursing home	4136
.q:not asked this wave	174
.r:refuse	13
0.no	1260
1.yes	2754

Value-----	RAXPHONEB1Y
.b:bed-ridden	267
.d:dk	329
.h:no help received	7391
.i:invalid response	4
.l:not due to health/memory	430
.m:missing	19
.q:not asked this wave	174
.r:refuse	14

0.no	1224
1.yes	3100

Value-----	RAXMEDB1Y
.b:bed-ridden	267
.d:dk	174
.h:no help received	3983
.l:not due to health/memory	105
.m:missing	19
.n:in nursing home	4136
.q:not asked this wave	174
.r:refuse	7
0.no	985
1.yes	3102

Value-----	RAXIADLBH1Y
.b:bed-ridden	359
.d:dk	142
.h:no help received	1972
.i:invalid response	4
.l:not due to health/memory	810
.m:missing	17
.n:in nursing home	1962
.q:not asked this wave	174
.r:refuse	12
0.no	1641
1.yes	5859

How Constructed:

RAXMEALB1Y, RAXSHOPB1Y, RAXPHONEB1Y, and RAXMEDB1Y indicate whether the help the deceased respondent received in the last three months of life with the specific instrumental activity of daily living because of a physical, mental, emotional or memory problem, started to be needed within the last year of life. RAXMEALB1Y indicates whether the help the respondent received with preparing hot meals in the last three months of life started to be needed within the last year of life. RAXSHOPB1Y indicates whether the help the respondent received with shopping for groceries in the last three months of life started to be needed within the last year of life. RAXPHONEB1Y indicates whether the help the respondent received with using the telephone in the last three months of life started to be needed within the last year of life. RAXMEDB1Y indicates whether the help the respondent received with taking medication in the last three months of life started to be needed within the last year of life. The proxy is asked when the respondent began needing help with the activity, and the proxy can report the number of months or years that the respondent needed help with the activity, since what age the respondent needed help, or since what year the respondent needed help. If the proxy reports the age the respondent began needing help, then that value is subtracted from the respondent's age at death to determine how long the respondent needed help. If the proxy reports the year the respondent began needing help, then this value is subtracted from the respondent's death year (KNOWNDECEASEDYR from the HRS Tracker File) to determine how long the respondent needed help. RAXMEALB1Y, RAXSHOPB1Y, RAXPHONEB1Y, and RAXMEDB1Y are assigned a value of 0 if the proxy reported that the respondent received help in the last three months of life and the need for this help started more than 12 months or more than 1 year before death, or if the proxy reported an age or year when the respondent began needing help and this value was greater than a year before death. These variables are assigned a value of 1 if the proxy reported that the respondent received help in the last three months of life and the need for this help started 12 or fewer months or 0 or 1 years before death, or if the proxy reported an age or year when the respondent began needing help and this value was a year or less before death.

If the reported or calculated time is greater than the age at death or takes on a negative value, then these variables are coded with special missing .i. RAXMEALB1Y, RAXSHOPB1Y, RAXPHONEB1Y, and RAXMEDB1Y are coded as special missing .h if nobody helped the respondent with the specific activity in the last three months of life. In AHEAD wave 2 RAXMEALB1Y is coded as special missing .o if the age was reported as other. In wave 4, RAXMEALB1Y is coded as special missing .i if the answer was coded as "time not given in months". In AHEAD wave 2 and HRS wave 3, these variables are coded as special missing .b if the proxy is not asked these questions because the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. In waves 4 and 5, RAXMEALB1Y and

RAXSHOPB1Y are coded as special missing .b if the proxy is not asked whether someone helped the respondent with meals or shopping for groceries because the respondent spent more than 85 days in the last three months in bed. Starting in wave 4, if the respondent needed help with an activity, but it was not the result of a health or memory problem, then the proxy is not asked how long the respondent had needed help with the activity, and the variable is assigned special missing .l. Also starting in wave 4, if the respondent lived in a nursing home or other health facility at the time of death, then the proxy is not asked about the age the respondent began needing help with meals, shopping, or medication and RAXMEALB1Y, RAXSHOPB1Y, and RAXMEDB1Y are assigned special missing .n. In waves 4 and 5, RAXSHOPB1Y is assigned special missing .c if the proxy was not asked whether someone helped the respondent with shopping for groceries because the respondent received help with preparing hot meals but this help was reportedly not the result of a health or memory problem. RAXMEALB1Y, RAXSHOPB1Y, RAXPHONEB1Y, and RAXMEDB1Y are not available in HRS wave 2 and so are assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAXIADLBH1Y indicates whether the help the deceased respondent received with any instrumental activity of daily living because of a physical, mental, emotional or memory problem in the last three months of life started to be needed within the last year of life. The instrumental activities of daily living include preparing hot meals, shopping for groceries, using the phone, and taking medications. RAXIADLBH1Y is coded as 0 if the respondent received help for at least one IADL activity in the last three months of life but the respondent began needing help more than 1 year before death. RAXIADLBH1Y is coded as 1 if somebody helped the respondent with at least one instrumental activity of daily living in the last three months of life and the respondent began needing help with at least one activity in the last year of life. RAXIADLBH1Y is coded as 0 or 1 as long as at least one of the comprising measures is not missing. If the reported or calculated time is greater than the age at death or takes on a negative value, then this variable is coded with special missing .i. RAXIADLBH1Y is coded as special missing .h if nobody helped the respondent with any IADL activity in the last three months of life. In waves 4 and 5, if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury, then the proxy is not asked these questions and the variables are assigned special missing .b. Starting in wave 4, if the respondent needed help with an activity, but it was not the result of a health or memory problem, then the proxy is not asked how long the respondent had needed help with the activity, and RAXIADLBH1Y is assigned special missing .l. Also starting in wave 4, if the respondent lived in a nursing home or other health facility at the time of death, then the proxy is not asked about the age the respondent began needing help with meals, shopping, or medication and RAXIADLBH1Y is assigned special missing .n. These questions are not asked in HRS wave 2, and so these variables are assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is not asked whether someone helped the respondent with meals, shopping for groceries, using the phone, or taking medication, but are asked beginning in AHEAD wave 2 and HRS wave 3. The proxy is not specifically asked whether the respondent began needing help with the IADL activity in the last year before death, rather this is calculated based on the proxy's responses to when the respondent began needing help with IADL activities.

In AHEAD wave 2 and HRS wave 3, the proxy is not asked whether someone helped the respondent with meals, shopping for groceries, using the phone, or taking medications if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. In waves 4 and 5, the proxy is not asked whether someone helped the respondent with meals or shopping for groceries if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. Starting in wave 4, if the respondent needed help with an activity, but it was not the result of a health or memory problem, then the proxy is not asked how long the respondent had needed help with the activity. Starting in wave 4, if the respondent lived in a nursing home or other health facility at the time of death, then the proxy is not asked whether someone helped the respondent or what age the respondent began needing help with meals, shopping, or medication. In waves 4 and 5, the proxy is not asked whether someone helped the respondent with shopping

for groceries if the respondent received help preparing hot meals but this help was reportedly not the result of a health or memory problem.

In AHEAD wave 2, the proxy can respond that the age the respondent began needing help with preparing hot meals is "other". In wave 4, it was possible for the time to not be given in months for the age the respondent began needing help with preparing hot meals.

HRS Variables Used:

RAND HRS:

RABMONTH rabmonth: r birth month
RABYEAR rabyear: r birth year

Tracker:

KNOWNDECEASEDMO known deceased - month
KNOWNDECEASEDYR known deceased - year

Wave 2A Exit:

N1819 e31x.days in bed
N2011 e95x.iadl meals help
N2014 e95gx.meal help when
N2015 e95hx.meal years
N2016 e95hx.meal since age
N2017 e95hx.meal since year
N2019 e96x.iadl groc help
N2022 e96gx.shop help when
N2023 e96hx.shop years
N2024 e96hx.shop since age
N2025 e96hx.shop since year
N2027 e97x.iadl phone help
N2030 e97gx.phone help when
N2031 e97hx.phone years
N2032 e97hx.phone since age
N2033 e97hx.phone since year
N2035 e98x.iadl med help
N2038 e98gx.medication help when
N2039 e98hx.medication years
N2040 e98hx.medication since age
N2041 e98hx.medication since year

Wave 3 Exit:

P1400 e31x.days in bed
P1549 e95x.iadl meals help
P1552 e95gx.meal help when
P1553 e95hx.meal years
P1554 e95hx.meal since age
P1555 e95hx.meal since year
P1557 e96x.iadl groc help
P1560 e96gx.shop help when
P1561 e96hx.shop years
P1562 e96hx.shop since age
P1563 e96hx.shop since year
P1565 e97x.iadl phone help
P1568 e97gx.phone help when
P1569 e97hx.phone years
P1570 e97hx.phone since age
P1571 e97hx.phone since year
P1573 e98x.iadl med help
P1576 e98gx.medication help when
P1577 e98hx.medication years
P1578 e98hx.medication since age
P1579 e98hx.medication since year

Wave 4 Exit:

Q1842 e32.(old e31) days in bed
Q2010 e95x.iadl meals diff
Q2012 e95bx.meals -why dont

Q2013 e95gx.meals help when
Q2014 e95hx.meals years
Q2015 e95hx.meals since age
Q2016 e95hx.meals since year
Q2020 e96x.iadl groc diff
Q2023 e96gx.groc help when
Q2024 e96hx.groc years
Q2025 e96hx.groc since age
Q2026 e96hx.groc since year
Q2030 e97x.iadls phone diff
Q2033 e97gx.phone help when
Q2034 e97hx.phone years
Q2035 e97hx.phone since age
Q2036 e97hx.phone since year
Q2040 e98x.iadls medication diff
Q2042 e98gx.med help when
Q2043 e98hx.med years
Q2044 e98hx.med since age
Q2045 e98hx.med since year

Wave 5 Exit:

R1862 e32.(old e31) days in bed
R2002 e95x.iadl meals diff
R2004 e95bx.meals -why dont
R2005 e95gx.meals help when
R2006 e95hx.meals years
R2007 e95hax.meals since age
R2008 e95hbx.meals since year
R2012 e96x.iadl groc diff
R2015 e96gx.groc help when
R2016 e96hx.groc years
R2017 e96hax.groc since age
R2018 e96hbx.groc since year
R2022 e97x.iadls phone diff
R2025 e97gx.phone help when
R2026 e97hx.phone years
R2027 e97hax.phone since age
R2028 e97hbx.phone since year
R2032 e98x.iadls medication diff
R2034 e98gx.med help when
R2035 e98hx.med years
R2036 e98hax.med since age
R2037 e98hbx.med since year

Wave 6 Exit:

SA028 r in nursing home
SG043 iadl meal preparation help
SG046 iadl groc shop help
SG049 iadl making phone calls help
SG053 iadl taking medications help
SG153 help hot meals- months
SG154 help hot meals- years
SG155 help hot meals- since age
SG156 help hot meals- since year
SG157 help groc shopping- months
SG158 help groc shopping- years
SG159 help groc shopping- since age
SG160 help groc shopping- since year
SG161 help w/ phone calls- mem prob
SG162 help phone calls- months
SG163 help phone calls- years
SG164 help phone calls- since age
SG165 help phone calls- since year
SG166 help w/ medication- months
SG167 help w/ medication- years

SG168 help w/ medication- since age
SG169 help w/ medication- since year
SG171 help hot meals- mem prob
SG173 grocery shopping- mem prob
SG174 help w/ medication- mem prob

Wave 7 Exit:

TA167 r in nursing home
TG043 iadl meal preparation help
TG046 iadl groc shop help
TG049 iadl making phone calls help
TG053 iadl taking medications help
TG153 help hot meals- months
TG154 help hot meals- years
TG155 help hot meals- since age
TG156 help hot meals- since year
TG157 help groc shopping- months
TG158 help groc shopping- years
TG159 help groc shopping- since age
TG160 help groc shopping- since year
TG161 help w/ phone calls- mem prob
TG162 help phone calls- months
TG163 help phone calls- years
TG164 help phone calls- since age
TG165 help phone calls- since year
TG166 help w/ medication- months
TG167 help w/ medication- years
TG168 help w/ medication- since age
TG169 help w/ medication- since year
TG171 help hot meals- mem prob
TG173 grocery shopping- mem prob
TG174 help w/ medication- mem prob

Wave 8 Exit:

UA167 r in nursing home
UG043 iadl meal preparation help
UG046 iadl groc shop help
UG049 iadl making phone calls help
UG053 iadl taking medications help
UG153 help hot meals- months
UG154 help hot meals- years
UG155 help hot meals- since age
UG156 help hot meals- since year
UG157 help groc shopping- months
UG158 help groc shopping- years
UG159 help groc shopping- since age
UG160 help groc shopping- since year
UG161 help w/ phone calls- mem prob
UG162 help phone calls- months
UG163 help phone calls- years
UG164 help phone calls- since age
UG165 help phone calls- since year
UG166 help w/ medication- months
UG167 help w/ medication- years
UG168 help w/ medication- since age
UG169 help w/ medication- since year
UG171 help hot meals- mem prob
UG173 grocery shopping- mem prob
UG174 help w/ medication- mem prob

Wave 9 Exit:

VA167 r in nursing home
VG043 iadl meal preparation help
VG046 iadl groc shop help
VG049 iadl making phone calls help
VG053 iadl taking medications help

VG153 help hot meals- months
VG154 help hot meals- years
VG155 help hot meals- since age
VG156 help hot meals- since year
VG157 help groc shopping- months
VG158 help groc shopping- years
VG159 help groc shopping- since age
VG160 help groc shopping- since year
VG161 help w/ phone calls- mem prob
VG162 help phone calls- months
VG163 help phone calls- years
VG164 help phone calls- since age
VG165 help phone calls- since year
VG166 help w/ medication- months
VG167 help w/ medication- years
VG168 help w/ medication- since age
VG169 help w/ medication- since year
VG171 help hot meals- mem prob
VG173 grocery shopping- mem prob
VG174 help w/ medication- mem prob

Wave 10 Exit:

WA028 r in nursing home
WG043 iadl meal preparation help
WG046 iadl groc shop help
WG049 iadl making phone calls help
WG053 iadl taking medications help
WG153 help hot meals- months
WG154 help hot meals- years
WG155 help hot meals- since age
WG156 help hot meals- since year
WG157 help groc shopping- months
WG158 help groc shopping- years
WG159 help groc shopping- since age
WG160 help groc shopping- since year
WG161 help w/ phone calls- mem prob
WG162 help phone calls- months
WG163 help phone calls- years
WG164 help phone calls- since age
WG165 help phone calls- since year
WG166 help w/ medication- months
WG167 help w/ medication- years
WG168 help w/ medication- since age
WG169 help w/ medication- since year
WG171 help hot meals- mem prob
WG173 grocery shopping- mem prob
WG174 help w/ medication- mem prob

Wave 11 Exit:

XA028 r in nursing home
XG043 iadl meal preparation help
XG046 iadl groc shop help
XG049 iadl making phone calls help
XG053 iadl taking medications help
XG153 help hot meals- months
XG154 help hot meals- years
XG155 help hot meals- since age
XG156 help hot meals- since year
XG157 help groc shopping- months
XG158 help groc shopping- years
XG159 help groc shopping- since age
XG160 help groc shopping- since year
XG161 help w/ phone calls- mem prob
XG162 help phone calls- months
XG163 help phone calls- years

XG164	help phone calls- since age
XG165	help phone calls- since year
XG166	help w/ medication- months
XG167	help w/ medication- years
XG168	help w/ medication- since age
XG169	help w/ medication- since year
XG171	help hot meals- mem prob
XG173	grocery shopping- mem prob
XG174	help w/ medication- mem prob
Wave 12 Exit:	
YA028	r in nursing home
YG043	iadl meal preparation help
YG046	iadl groc shop help
YG049	iadl making phone calls help
YG053	iadl taking medications help
YG153	help hot meals- months
YG154	help hot meals- years
YG155	help hot meals- since age
YG156	help hot meals- since year
YG157	help groc shopping- months
YG158	help groc shopping- years
YG159	help groc shopping- since age
YG160	help groc shopping- since year
YG161	help w/ phone calls- mem prob
YG162	help phone calls- months
YG163	help phone calls- years
YG164	help phone calls- since age
YG165	help phone calls- since year
YG166	help w/ medication- months
YG167	help w/ medication- years
YG168	help w/ medication- since age
YG169	help w/ medication- since year
YG171	help hot meals- mem prob
YG173	grocery shopping- mem prob
YG174	help w/ medication- mem prob

Instrumental Activities of Daily Living: Who Helped with IADLs

Wave	Variable	Label	Type
0A	RAXIHSP	raxihsp: spouse helped r with iadls final 3 months	Categ
0A	RAXIHKID	raxihkid: child/grandchild helped r with iadls final 3 month	Categ
0A	RAXIHRL	raxihrl: relative helped r with iadls final 3 months	Categ
0A	RAXIHOT	raxihot: other individual helped r with iadls final 3 months	Categ
0A	RAXIHPRO	raxihpro: professional helped r with iadls final 3 months	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXIHSP	7912	0.34	0.47	0.00	1.00
RAXIHKID	7912	0.49	0.50	0.00	1.00
RAXIHRL	7912	0.09	0.28	0.00	1.00
RAXIHOT	7912	0.21	0.41	0.00	1.00
RAXIHPRO	7912	0.16	0.36	0.00	1.00

Categorical Variable Codes

Value	RAXIHSP
.b:bed-ridden	267
.d:dk	118
.h:no help received	4078
.j:did not do	188
.m:missing	81
.q:not asked this wave	174
.r:refuse	25
.t:cannot do	109
0.no	5251
1.yes	2661

Value	RAXIHKID
.b:bed-ridden	267
.d:dk	118
.h:no help received	4078
.j:did not do	188
.m:missing	81
.q:not asked this wave	174
.r:refuse	25
.t:cannot do	109
0.no	4071
1.yes	3841

Value	RAXIHRL
.b:bed-ridden	267
.d:dk	118
.h:no help received	4078
.j:did not do	188
.m:missing	81
.q:not asked this wave	174
.r:refuse	25
.t:cannot do	109
0.no	7216
1.yes	696

Value-----	RAXIHOT
.b:bed-ridden	267
.d:dk	118
.h:no help received	4078
.j:did not do	188
.m:missing	81
.q:not asked this wave	174
.r:refuse	25
.t:cannot do	109
0.no	6242
1.yes	1670

Value-----	RAXIHPRO
.b:bed-ridden	267
.d:dk	118
.h:no help received	4078
.j:did not do	188
.m:missing	81
.q:not asked this wave	174
.r:refuse	25
.t:cannot do	109
0.no	6666
1.yes	1246

How Constructed:

RAXIHSP, RAXIHKID, RAXIHRL, RAXIHOT, and RAXIHPRO indicate whether a specific person helped the deceased respondent with any instrumental activity of daily living, as reported by the proxy. The proxy is first asked whether anyone helped the respondent with each IADL activity, and if the proxy reports that someone helped the respondent with the instrumental activity of daily living, then the proxy is asked for the relationship of the people who helped the respondent with each activity in AHEAD wave 2 and HRS wave 3, or with any IADL activity starting in wave 4. The proxy is able to report the relationships of multiple people who helped the respondent. RAXIHSP indicates whether the respondent's spouse or partner helped the respondent with IADLs. RAXIHKID indicates whether the respondent's child, son, stepson, son-in-law, daughter, stepdaughter, daughter-in-law, grandchild, an unlisted child or child-in-law, former step-child, former child-in-law, grandchild-in-law, unknown child/ambiguous child relationship, or ambiguous child-in-law relationship helped the respondent with IADLs. RAXIHRL indicates whether the respondent's father, father-in-law, mother, mother-in-law, parents, brother, brother-in-law, sister, sister-in-law, or other relative helped the respondent with IADLs. RAXIHOT indicates whether another individual, late spouse/partner, ex-spouse/partner, not proxy interview, organization, or person of unknown relationship helped the respondent with IADLs. RAXIHPRO indicates whether an employee of institution, paid helper, professional, or specified professional helped the respondent with IADLs. RAXIHSP, RAXIHKID, RAXIHRL, RAXIHOT, and RAXIHPRO are coded as 0 if no one with the specified relationship helped the respondent with IADLs. RAXIHSP, RAXIHKID, RAXIHRL, RAXIHOT, and RAXIHPRO are coded as 1 if somebody with the specified relationship helped the respondent with IADLs. RAXIHSP, RAXIHKID, RAXIHRL, RAXIHOT, and RAXIHPRO are coded as special missing .h if nobody helped the respondent with the specific activity in the last three months of life. In AHEAD wave 2 and HRS wave 3, RAXIHSP, RAXIHKID, RAXIHRL, RAXIHOT, and RAXIHPRO are coded as special missing .b if the proxy was not asked these questions because the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. In waves 4 and 5, if the proxy responds that the respondent could not do or did not do the instrumental activity of daily living, then the proxy is not asked who helped the respondent and these variables are assigned special missing .t and .j, respectively. These variables are not available in HRS wave 2 and are assigned special missing .q in this wave. Don't know, refused, and other missing responses are assigned special missing .d, .r, .m, respectively.

In AHEAD wave 2 and HRS waves 3 through 5, the Preload HH Member Child (PR_MC) file is used to supplement the information obtained in the main exit interview file and assign relationships to the respondent's helpers. In HRS wave 3, the Helper file is also used to assign relationships to the respondent's helpers.

Cross Wave Differences in HRS

Questions regarding who helped the respondent with any IADL activity are not asked in HRS wave 2, but are asked beginning in AHEAD wave 2 and HRS wave 3.

In AHEAD wave 2 and HRS wave 3, the proxy is not asked who helped with IADL activities if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. In waves 4 and 5, if the proxy responds that the respondent could not do or did not do the instrumental activity of daily living, then the proxy is not asked who helped the respondent.

In AHEAD wave 2 and HRS wave 3, the proxy is asked who helped the respondent after each IADL that the proxy reported the respondent having help with. Starting in wave 4, the proxy is asked who helped the respondent with any IADL that the proxy reported the respondent having difficulty with once all the IADL activities have been inquired about.

In AHEAD wave 2 and HRS waves 3 through 5, the Preload HH Member Child (PR_MC) file is used to supplement the information obtained in the main exit interview file and assign relationships to the respondent's helpers. In HRS wave 3, the Helper file is also used to assign relationships to the respondent's helpers. In waves 6 and onward, the information to assign relationships to the respondent's helpers is only taken from the main exit interview file.

The categories for helper relationships are different across waves. In AHEAD wave 2 and HRS waves 3 through 5, the categories are more general, and across the files used to obtain relationships to the respondent in these waves, categories include the respondent's spouse, child, step/partner child, child-in-law, unlisted child or child-in-law, grandchild, employee of institution, other relative, other individual, organization, professional, and other. Only in HRS wave 3, deceased child and all children are also categories used to assign relationships of the respondent's helper. Starting in wave 6, the relationship list is much more specific, specifying sons, daughters, additional relative relationships, and paid helpers. Wave 6 includes categories for "not proxy interview" and "relationship unknown", which are not included in the following waves. The wave 6 category of "unknown child" is changed to "ambiguous child relationship" in the following waves. Starting in wave 7, the additional category of "ambiguous child-in-law relationship" is included.

HRS Variables Used:

Wave 2A Exit:

N1819	e31x.days in bed
N2011	e95x.iadl meals help
N2019	e96x.iadl groc help
N2027	e97x.iadl phone help
N2035	e98x.iadl med help
N2043	e99.iadls-who help,1
N2044	e99a.type iadl helper-1
N2050	e100.iadls-who help,2
N2051	e100a.type iadl helper-2
N2055	e101.iadls-who help,3
N2056	e101a.type iadl helper-3
N2061	e102.iadls-who help,4
N2062	e102a.type iadl helper-4
N2067	e103.iadls-who help,5
N2068	e103a.type iadl helper-5
N2073	e104.iadls-who help,6
N2074	e104a.type iadl helper-6

Wave 2A Exit PRMC:

N10	FAMILY/HH MEM REL TO IDFM
OPN	FAMILY/HH MEMBER PERSON NUMBER

Wave 3 Exit:

P1400	e31x.days in bed
P1549	e95x.iadl meals help
P1557	e96x.iadl groc help
P1565	e97x.iadl phone help
P1573	e98x.iadl med help

P1581	e99.iadls-who help,1
P1582	e99a.type iadl helper-1
P1588	e100.iadls-who help,2
P1589	e100a.type iadl helper-2
P1593	e101.iadls-who help,3
P1594	e101a.type iadl helper-3
P1599	e102.iadls-who help,4
P1600	e102a.type iadl helper-4
P1605	e103.iadls-who help,5
P1606	e103a.type iadl helper-5
P1611	e104.iadls-who help,6
P1612	e104a.type iadl helper-6
Wave 3 Exit PRMC:	
OPN	HH1 FAM LINE NO
P10	HH1 REL TO PREV WAVE FAMILY R
Wave 3 Exit Helper:	
OPN	Other Person Number
P1673A	HELPER RELATIONSHIP - COMBINED
Wave 4 Exit:	
Q1842	e32.(old e31) days in bed
Q2010	e95x.iadl meals diff
Q2020	e96x.iadl groc diff
Q2030	e97x.iadls phone diff
Q2040	e98x.iadls medication diff
Q2049	e99.iadls-who help,1
Q2050	e99a.type iadl helper-1
Q2058	e100.iadls-who help,2
Q2059	e100a.type iadl helper-2
Q2063	e101.iadls-who help,3
Q2064	e101a.type iadl helper-3
Q2069	e102.iadls-who help,4
Q2070	e102a.type iadl helper-4
Q2075	e103.iadls-who help,5
Q2076	e103a.type iadl helper-5
Q2081	e104.iadls-who help,6
Q2082	e104a.type iadl helper-6
Wave 4 Exit PRMC:	
OPN	OTHER PERSON NUMBER
Q11	REL TO IDFM
Wave 5 Exit:	
R1862	e32.(old e31) days in bed
R2002	e95x.iadl meals diff
R2012	e96x.iadl groc diff
R2022	e97x.iadls phone diff
R2032	e98x.iadls medication diff
R2041	e99.iadls-who help-1
R2042	e99a.type iadl helper-1
R2050	e100.iadls-who help-2
R2051	e100a.type iadl helper-2
R2055	e101.iadls-who help-3
R2056	e101a.type iadl helper-3
R2061	e102.iadls-who help-4
R2062	e102a.type iadl helper-4
R2067	e103.iadls-who help-5
R2068	e103a.type iadl helper-5
R2073	e104.iadls-who help-6
R2074	e104a.type iadl helper-6
Wave 5 Exit PRMC:	
OPN	OTHER PERSON NUMBER
R11	PR11. REL TO IDFM
Wave 6 Exit:	
SA028	r in nursing home
SG043	iadl meal preparation help

SG046 iadl groc shop help
SG049 iadl making phone calls help
SG053 iadl taking medications help
SG054_1 iadls- who helps most-1
SG055_1 iadl helper relationship to r- 1
SG055_2 iadl helper relationship to r- 2
SG055_3 iadl helper relationship to r- 3
SG055_4 iadl helper relationship to r- 4
SG055_5 iadl helper relationship to r- 5
SG055_6 iadl helper relationship to r- 6

Wave 7 Exit:
TA167 r in nursing home
TG043 iadl meal preparation help
TG046 iadl groc shop help
TG049 iadl making phone calls help
TG053 iadl taking medications help
TG054_1 iadls- who helps most-1
TG055_1 iadl helper relationship to r-1
TG055_2 iadl helper relationship to r-2
TG055_3 iadl helper relationship to r-3
TG055_4 iadl helper relationship to r-4
TG055_5 iadl helper relationship to r-5
TG055_6 iadl helper relationship to r-6

Wave 8 Exit:
UA167 r in nursing home
UG043 iadl meal preparation help
UG046 iadl groc shop help
UG049 iadl making phone calls help
UG053 iadl taking medications help
UG054_1 iadls- who helps most-1
UG055_1 iadl helper relationship to r-1
UG055_2 iadl helper relationship to r-2
UG055_3 iadl helper relationship to r-3
UG055_4 iadl helper relationship to r-4
UG055_5 iadl helper relationship to r-5
UG055_6 iadl helper relationship to r-6

Wave 9 Exit:
VA167 r in nursing home
VG043 iadl meal preparation help
VG046 iadl groc shop help
VG049 iadl making phone calls help
VG053 iadl taking medications help
VG054_1 iadls- who helps most-1
VG055_1 iadl helper relationship to r-1
VG055_2 iadl helper relationship to r-2
VG055_3 iadl helper relationship to r-3
VG055_4 iadl helper relationship to r-4
VG055_5 iadl helper relationship to r-5
VG055_6 iadl helper relationship to r-6

Wave 10 Exit:
WA028 r in nursing home
WG043 iadl meal preparation help
WG046 iadl groc shop help
WG049 iadl making phone calls help
WG053 iadl taking medications help
WG054_1 iadls- who helps most-1
WG055_1 iadl helper relationship to r-1
WG055_2 iadl helper relationship to r-2
WG055_3 iadl helper relationship to r-3
WG055_4 iadl helper relationship to r-4
WG055_5 iadl helper relationship to r-5
WG055_6 iadl helper relationship to r-6

Wave 11 Exit:

```
XA028      r in nursing home
XG043      iadl meal preparation help
XG046      iadl groc shop help
XG049      iadl making phone calls help
XG053      iadl taking medications help
XG054_1    iadls- who helps most-1
XG055_1    iadl helper relationship to r-1
XG055_2    iadl helper relationship to r-2
XG055_3    iadl helper relationship to r-3
XG055_4    iadl helper relationship to r-4
XG055_5    iadl helper relationship to r-5
XG055_6    iadl helper relationship to r-6
Wave 12 Exit:
YA028      r in nursing home
YG043      iadl meal preparation help
YG046      iadl groc shop help
YG049      iadl making phone calls help
YG053      iadl taking medications help
YG054_1    iadls- who helps most-1
YG055_1    iadl helper relationship to r-1
YG055_2    iadl helper relationship to r-2
YG055_3    iadl helper relationship to r-3
YG055_4    iadl helper relationship to r-4
YG055_5    iadl helper relationship to r-5
YG055_6    iadl helper relationship to r-6
```

ADLs or IADLs: Whether Anyone Helped with ADLs or IADLs

Wave	Variable	Label	Type
0A	RAXDLH	raxdlh: someone helped r with adls/iadls final 3 months	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXDLH	11871	0.73	0.44	0.00	1.00

Categorical Variable Codes

Value-----	RAXDLH
.b:bed-ridden	267
.d:dk	23
.j:did not do	343
.m:missing	12
.q:not asked this wave	174
.r:refuse	3
.t:cannot do	259
0.no	3175
1.yes	8696

How Constructed:

RAXDLH indicates whether anyone helped the deceased respondent with any ADLs or IADLs in the last three months of life because of a physical, mental, emotional or memory problem, as reported by the proxy. 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 hot meals, shopping for groceries, using the telephone, and taking medication. RAXDLH summarizes the information for the receipt of help in "Activities of Daily Living: Whether Anyone Helped with ADLs" and "Instrumental Activities of Daily Living: Whether Anyone Helped with IADLs". Please see these sections for additional information on how the variables were created. RAXDLH is coded as 0 if nobody helped the respondent with any ADLs or IADLs. RAXDLH is coded as 1 if somebody helped the respondent with at least one ADL or IADL. RAXDLH is assigned a 0 or 1 as long as at least one of the comprising ADL or IADL measures is not missing. In AHEAD wave 2 and HRS wave 3 RAXDLH is coded as special missing .b if the proxy is not asked these questions because the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. The questions comprising this variable are not asked in HRS wave 2 and so RAXDLH is assigned special missing .q in this wave. Don't know, refused, did not do, could not do, or other missing responses are assigned special missing .d, .r, .j, .t, .m, respectively.

Cross Wave Differences in HRS

Questions about whether the respondent was helped with an ADL or IADL are not asked in HRS wave 2, but are asked starting in AHEAD wave 2 and HRS wave 3.

In AHEAD wave 2 and HRS wave 3, the proxy is not asked whether the respondent received help with IADLs if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. Starting in wave 4, the proxy is asked whether the respondent received help with IADLs regardless of the number of days the respondent spent in bed. Starting in AHEAD wave 2 and HRS wave 3 the proxy is not asked whether the respondent received help with ADLs if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury.

In wave 3, the proxy is not asked whether someone helped the respondent with meals, shopping for groceries, using the phone, or taking medications if the respondent spent more than 85

days in the last three months in bed more than half the day because of illness or injury. In waves 4 and 5, the proxy is not asked whether someone helped the respondent with meals or shopping for groceries if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. In waves 4 and 5, the proxy is not asked whether someone helped the respondent with shopping for groceries if the respondent received help with preparing hot meals but this help was reportedly not because of a health or memory problem. Starting in wave 6, if the respondent lived in a nursing home or other health facility at the time of death, then the proxy is not asked about meals, shopping, or medication.

HRS Variables Used:

Wave 2A Exit:

N1819	e31x.days in bed
N1877	e72fx.adl walk help
N1887	e73fx.adl dress help
N1897	e74fx.adl bathe help
N1907	e75fx.adl eat help
N1920	e76fx.adl bed help
N1930	e77fx.adl toilet help
N2011	e95x.iadl meals help
N2019	e96x.iadl groc help
N2027	e97x.iadl phone help
N2035	e98x.iadl med help

Wave 3 Exit:

P1400	e31x.days in bed
P1415	e72fx.adl walk help
P1425	e73fx.adl dress help
P1435	e74fx.adl bathe help
P1445	e75fx.adl eat help
P1458	e76fx.adl bed help
P1468	e77fx.adl toilet help
P1549	e95x.iadl meals help
P1557	e96x.iadl groc help
P1565	e97x.iadl phone help
P1573	e98x.iadl med help

Wave 4 Exit:

Q1842	e32.(old e31) days in bed
Q1852	e73fx.dress diff
Q1859	e72x.walk diff
Q1881	e74x.bathing diff
Q1896	e75x.eat diff
Q1911	e76x.bed diff
Q1929	e77x.toilet diff
Q2010	e95x.iadl meals diff
Q2012	e95bx.meals -why dont
Q2020	e96x.iadl groc diff
Q2030	e97x.iadls phone diff
Q2040	e98x.iadls medication diff

Wave 5 Exit:

R1862	e32.(old e31) days in bed
R1872	e73fx.dress diff
R1879	e72x.walk diff
R1894	e74x.bathing diff
R1909	e75x.eat diff
R1924	e76x.bed diff
R1942	e77x.toilet diff
R2002	e95x.iadl meals diff
R2004	e95bx.meals -why dont
R2012	e96x.iadl groc diff
R2022	e97x.iadls phone diff
R2032	e98x.iadls medication diff

Wave 6 Exit:

SA028 r in nursing home
SG015 help w/dress
SG020 adl walk help
SG022 adl bathe help
SG024 adl eat help
SG029 adl bed help
SG031 adl toilet help
SG043 iadl meal preparation help
SG046 iadl groc shop help
SG049 iadl making phone calls help
SG053 iadl taking medications help
SG129 number days in bed

Wave 7 Exit:
TA167 r in nursing home
TG015 help w/dress
TG020 adl walk help
TG022 adl bathe help
TG024 adl eat help
TG029 adl bed help
TG031 adl toilet help
TG043 iadl meal preparation help
TG046 iadl groc shop help
TG049 iadl making phone calls help
TG053 iadl taking medications help
TG129 number days in bed

Wave 8 Exit:
UA167 r in nursing home
UG015 help w/dress
UG020 adl walk help
UG022 adl bathe help
UG024 adl eat help
UG029 adl bed help
UG031 adl toilet help
UG043 iadl meal preparation help
UG046 iadl groc shop help
UG049 iadl making phone calls help
UG053 iadl taking medications help
UG129 number days in bed

Wave 9 Exit:
VA167 r in nursing home
VG015 help w/dress
VG020 adl walk help
VG022 adl bathe help
VG024 adl eat help
VG029 adl bed help
VG031 adl toilet help
VG043 iadl meal preparation help
VG046 iadl groc shop help
VG049 iadl making phone calls help
VG053 iadl taking medications help
VG129 number days in bed

Wave 10 Exit:
WA028 r in nursing home
WG015 help w/dress
WG020 adl walk help
WG022 adl bathe help
WG024 adl eat help
WG029 adl bed help
WG031 adl toilet help
WG043 iadl meal preparation help
WG046 iadl groc shop help
WG049 iadl making phone calls help
WG053 iadl taking medications help

WG129 number days in bed

Wave 11 Exit:

XA028 r in nursing home

XG015 help w/dress

XG020 adl walk help

XG022 adl bathe help

XG024 adl eat help

XG029 adl bed help

XG031 adl toilet help

XG043 iadl meal preparation help

XG046 iadl groc shop help

XG049 iadl making phone calls help

XG053 iadl taking medications help

XG129 number days in bed

Wave 12 Exit:

YA028 r in nursing home

YG015 help w/dress

YG020 adl walk help

YG022 adl bathe help

YG024 adl eat help

YG029 adl bed help

YG031 adl toilet help

YG043 iadl meal preparation help

YG046 iadl groc shop help

YG049 iadl making phone calls help

YG053 iadl taking medications help

YG129 number days in bed

ADLs or IADLs: Help Received Started to be Needed within Final Year

Wave	Variable	Label	Type
0A	RAXDLBH1Y	raxdlbhly: r final help with any adl/iadl started within yea	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXDLBH1Y	8986	0.86	0.35	0.00	1.00

Categorical Variable Codes

Value-----	RAXDLBH1Y
.b:bed-ridden	413
.d:dk	122
.h:no help received	1724
.j:did not do	1
.l:not due to health/memory	525
.m:missing	10
.n:in nursing home	291
.q:not asked this wave	174
.r:refuse	11
.t:cannot do	1
.x:bed-ridden in nursing ho	694
0.no	1300
1.yes	7686

How Constructed:

RAXDLBH1Y indicates whether the help the deceased respondent received with any ADLs or IADLs because of a physical, mental, emotional or memory problem in the last three months of life started to be needed within the last year of life. 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 hot meals, shopping for groceries, using the telephone, and taking medication. RAXDLBH1Y summarizes the information for when the deceased respondent began needing help in "Activities of Daily Living: Whether Help Received in Last Three Months Started to be Needed within Final Year" and "Instrumental Activities of Daily Living: Whether Help Received in Last Three Months Started to be Needed within Final Year". Please see these sections for additional information on how the variables were created. RAXDLBH1Y is coded as 0 if the respondent received help for at least one ADL or IADL activity in the last three months of life but the respondent began needing help more than 1 year before the death. RAXDLBH1Y is coded as 1 if somebody helped the respondent with at least one ADL or IADL in the last three months of life and the respondent began needing help with at least one activity in the last year of life. RAXDLBH1Y is coded as 0 or 1 as long as at least one of the comprising measures is not missing. RAXDLBH1Y is coded as special missing .h if nobody helped the respondent with any ADL or IADL activity in the last three months of life. If the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury, then the proxy is not asked these questions and RAXDLBH1Y is assigned special missing .b. Starting in wave 4, if the respondent lived in a nursing home or other health facility at the time of death, then the proxy is not asked about the age the respondent began needing help with most IADL activities and RAXDLBH1Y is assigned special missing .n. Also starting in wave 4, if the respondent lived in a nursing home and the respondent was bedridden, then RAXDLBH1Y is assigned special missing .x. Starting in wave 4, if the respondent needed help with an IADL, but it was not the result of a health or memory problem, then the proxy is not asked how long the respondent had needed help with the activity, and RAXDLBH1Y is assigned special missing .l. The questions comprising this variable are not asked in HRS wave 2 and so RAXDLBH1Y is assigned special missing .q in this wave. Don't know, refused, did not do, could not do, or other missing responses are assigned special missing .d, .r, .j, .t, .m, respectively.

Cross Wave Differences in HRS

Questions about whether the respondent was helped with an ADL or IADL are not asked in HRS wave 2, but are asked starting in AHEAD wave 2 and HRS wave 3. The proxy is not specifically asked whether the respondent began needing help with the ADL or IADL activity in the last year before death, rather this is calculated based on the proxy's responses to when the respondent began needing help with ADL or IADL activities.

Please see the following sections for additional information on cross wave differences for ADL and IADL activities: "Activities of Daily Living: Whether Help Received in Last Three Months Started to be Needed within Final Year" and "Instrumental Activities of Daily Living: Whether Help Received in Last Three Months Started to be Needed within Final Year".

HRS Variables Used:

RAND HRS:

RABMONTH rabmonth: r birth month

RABYEAR rabyear: r birth year

Tracker:

KNOWNDECEASEDMO known deceased - month

KNOWNDECEASEDYR known deceased - year

Wave 2A Exit:

N1819 e31x.days in bed
 N1877 e72fx.adl walk help
 N1878 e72gx.walk help when
 N1879 e72hx.walk years
 N1880 e72hx.walk since age
 N1881 e72hx.walk since year
 N1887 e73fx.adl dress help
 N1888 e73gx.dress help when
 N1889 e72hx.dress years
 N1890 e72hx.dress since age
 N1891 e72hx.dress since year
 N1897 e74fx.adl bathe help
 N1898 e74gx.walk help when
 N1899 e74hx.bathe years
 N1900 e74hx.bathe since age
 N1901 e74hx.bathe since year
 N1907 e75fx.adl eat help
 N1908 e75gx.eat help when
 N1909 e75hx.eat years
 N1910 e75hx.eat since age
 N1911 e75hx.eat since year
 N1920 e76fx.adl bed help
 N1921 e76gx.bed help when
 N1922 e76hx.bed years
 N1923 e76hx.bed since age
 N1924 e76hx.bed since year
 N1930 e77fx.adl toilet help
 N1931 e77gx.toilet help when
 N1932 e77hx.toilet years
 N1933 e77hx.toilet since age
 N1934 e77hx.toilet since year
 N2011 e95x.iadl meals help
 N2014 e95gx.meal help when
 N2015 e95hx.meal years
 N2016 e95hx.meal since age
 N2017 e95hx.meal since year
 N2019 e96x.iadl groc help
 N2022 e96gx.shop help when
 N2023 e96hx.shop years
 N2024 e96hx.shop since age

N2025	e96hx.shop since year
N2027	e97x.iadl phone help
N2030	e97gx.phone help when
N2031	e97hx.phone years
N2032	e97hx.phone since age
N2033	e97hx.phone since year
N2035	e98x.iadl med help
N2038	e98gx.medication help when
N2039	e98hx.medication years
N2040	e98hx.medication since age
N2041	e98hx.medication since year
Wave 3 Exit:	
P1400	e31x.days in bed
P1415	e72fx.adl walk help
P1416	e72gx.walk help when
P1417	e72hx.walk years
P1418	e72hx.walk since age
P1419	e72hx.walk since year
P1425	e73fx.adl dress help
P1426	e73gx.dress help when
P1427	e72hx.dress years
P1428	e72hx.dress since age
P1429	e72hx.dress since year
P1435	e74fx.adl bathe help
P1436	e74gx.how long help bath
P1437	e74hx.bathe years
P1438	e74hx.bathe since age
P1439	e74hx.bathe since year
P1445	e75fx.adl eat help
P1446	e75gx.eat help when
P1447	e75hx.eat years
P1448	e75hx.eat since age
P1449	e75hx.eat since year
P1458	e76fx.adl bed help
P1459	e76gx.bed help when
P1460	e76hx.bed years
P1461	e76hx.bed since age
P1462	e76hx.bed since year
P1468	e77fx.adl toilet help
P1469	e77gx.toilet help when
P1470	e77hx.toilet years
P1471	e77hx.toilet since age
P1472	e77hx.toilet since year
P1549	e95x.iadl meals help
P1552	e95gx.meal help when
P1553	e95hx.meal years
P1554	e95hx.meal since age
P1555	e95hx.meal since year
P1557	e96x.iadl groc help
P1560	e96gx.shop help when
P1561	e96hx.shop years
P1562	e96hx.shop since age
P1563	e96hx.shop since year
P1565	e97x.iadl phone help
P1568	e97gx.phone help when
P1569	e97hx.phone years
P1570	e97hx.phone since age
P1571	e97hx.phone since year
P1573	e98x.iadl med help
P1576	e98gx.medication help when
P1577	e98hx.medication years
P1578	e98hx.medication since age
P1579	e98hx.medication since year

Wave 4 Exit:

Q1842	e32.(old e31) days in bed
Q1852	e73fx.dress diff
Q1853	e73gx.dress help when
Q1854	e73gx.dress years
Q1855	e73gx.dress since age
Q1856	e73gx.dress since year
Q1859	e72x.walk diff
Q1863	e72fx.walking help when
Q1864	e72fx.walking years
Q1865	e72fx.walking since age
Q1866	e72fx.walking since year
Q1881	e74x.bathing diff
Q1882	e74fx.bathing help when
Q1883	e74fx.bathing years
Q1884	e74fx.bathing since age
Q1885	e74fx.bathing since year
Q1896	e75x.eat diff
Q1897	e75fx.eat help when
Q1898	e75fx.eat years
Q1899	e75fx.eat since age
Q1900	e75fx.eat since year
Q1911	e76x.bed diff
Q1917	e76fx.bed help when
Q1918	e76fx.bed years
Q1919	e76fx.bed since age
Q1920	e76fx.bed since year
Q1929	e77x.toilet diff
Q1930	e77fx.toilet help when
Q1931	e77fx.toilet years
Q1932	e77fx.toilet since age
Q1933	e77fx.toilet since year
Q2010	e95x.iadl meals diff
Q2012	e95bx.meals -why dont
Q2013	e95gx.meals help when
Q2014	e95hx.meals years
Q2015	e95hx.meals since age
Q2016	e95hx.meals since year
Q2020	e96x.iadl groc diff
Q2023	e96gx.groc help when
Q2024	e96hx.groc years
Q2025	e96hx.groc since age
Q2026	e96hx.groc since year
Q2030	e97x.iadls phone diff
Q2033	e97gx.phone help when
Q2034	e97hx.phone years
Q2035	e97hx.phone since age
Q2036	e97hx.phone since year
Q2040	e98x.iadls medication diff
Q2042	e98gx.med help when
Q2043	e98hx.med years
Q2044	e98hx.med since age
Q2045	e98hx.med since year

Wave 5 Exit:

R1862	e32.(old e31) days in bed
R1872	e73fx.dress diff
R1873	e73gx.dress help when
R1874	e73gax.dress years
R1875	e73gbx.dress since age
R1876	e73gcx.dress since year
R1879	e72x.walk diff
R1883	e72fx.walking help when
R1884	e72fax.walking years

R1885	e72fbx.walking since age
R1886	e72fcx.walking since year
R1894	e74x.bathing diff
R1895	e74fx.bathing help when
R1896	e74fax.bathing years
R1897	e74fbx.bathing since age
R1898	e74fcx.bathing since year
R1909	e75x.eat diff
R1910	e75fx.eat help when
R1911	e75fax.eat years
R1912	e75fbx.eat since age
R1913	e75fcx.eat since year
R1924	e76x.bed diff
R1930	e76fx.bed help when
R1931	e76fax.bed years
R1932	e76fbx.bed since age
R1933	e76fcx.bed since year
R1942	e77x.toilet diff
R1943	e77fx.toilet help when
R1944	e77fax.toilet years
R1945	e77fbx.toilet since age
R1946	e77fcx.toilet since year
R2002	e95x.iadl meals diff
R2004	e95bx.meals -why dont
R2005	e95gx.meals help when
R2006	e95hx.meals years
R2007	e95hax.meals since age
R2008	e95hbx.meals since year
R2012	e96x.iadl groc diff
R2015	e96gx.groc help when
R2016	e96hx.groc years
R2017	e96hax.groc since age
R2018	e96hbx.groc since year
R2022	e97x.iadls phone diff
R2025	e97gx.phone help when
R2026	e97hx.phone years
R2027	e97hax.phone since age
R2028	e97hbx.phone since year
R2032	e98x.iadls medication diff
R2034	e98gx.med help when
R2035	e98hx.med years
R2036	e98hax.med since age
R2037	e98hbx.med since year
Wave 6 Exit:	
SA028	r in nursing home
SG015	help w/dress
SG020	adl walk help
SG022	adl bathe help
SG024	adl eat help
SG029	adl bed help
SG031	adl toilet help
SG043	iadl meal preparation help
SG046	iadl groc shop help
SG049	iadl making phone calls help
SG053	iadl taking medications help
SG129	number days in bed
SG130	help dressing- months
SG131	help dressing- years
SG132	help dressing- since age
SG133	help dressing- since year
SG134	help walking- months
SG135	help walking- years
SG136	help walking- since age

SG137 help walking- since year
SG138 help bathing- months
SG139 help bathing- years
SG140 help bathing- since age
SG141 help bathing- since year
SG142 help eating- months
SG143 help eating- years
SG144 help eating- since age
SG145 help in/out bed- months
SG146 help in/out bed- years
SG147 help in/out bed- since age
SG148 help in/out bed- since year
SG149 help using toilet- months
SG150 help using toilet- years
SG151 help using toilet- since age
SG152 help using toilet- since year
SG153 help hot meals- months
SG154 help hot meals- years
SG155 help hot meals- since age
SG156 help hot meals- since year
SG157 help groc shopping- months
SG158 help groc shopping- years
SG159 help groc shopping- since age
SG160 help groc shopping- since year
SG161 help w/ phone calls- mem prob
SG162 help phone calls- months
SG163 help phone calls- years
SG164 help phone calls- since age
SG165 help phone calls- since year
SG166 help w/ medication- months
SG167 help w/ medication- years
SG168 help w/ medication- since age
SG169 help w/ medication- since year
SG170 help eating- since year
SG171 help hot meals- mem prob
SG173 grocery shopping- mem prob
SG174 help w/ medication- mem prob

Wave 7 Exit:

TA167 r in nursing home
TG015 help w/dress
TG020 adl walk help
TG022 adl bathe help
TG024 adl eat help
TG029 adl bed help
TG031 adl toilet help
TG043 iadl meal preparation help
TG046 iadl groc shop help
TG049 iadl making phone calls help
TG053 iadl taking medications help
TG129 number days in bed
TG130 help dressing- months
TG131 help dressing- years
TG132 help dressing- since age
TG133 help dressing- since year
TG134 help walking- months
TG135 help walking- years
TG136 help walking- since age
TG137 help walking- since year
TG138 help bathing- months
TG139 help bathing- years
TG140 help bathing- since age
TG141 help bathing- since year
TG142 help eating- months

TG143 help eating- years
 TG144 help eating- since age
 TG145 help in/out bed- months
 TG146 help in/out bed- years
 TG147 help in/out bed- since age
 TG148 help in/out bed- since year
 TG149 help using toilet- months
 TG150 help using toilet- years
 TG151 help using toilet- since age
 TG152 help using toilet- since year
 TG153 help hot meals- months
 TG154 help hot meals- years
 TG155 help hot meals- since age
 TG156 help hot meals- since year
 TG157 help groc shopping- months
 TG158 help groc shopping- years
 TG159 help groc shopping- since age
 TG160 help groc shopping- since year
 TG161 help w/ phone calls- mem prob
 TG162 help phone calls- months
 TG163 help phone calls- years
 TG164 help phone calls- since age
 TG165 help phone calls- since year
 TG166 help w/ medication- months
 TG167 help w/ medication- years
 TG168 help w/ medication- since age
 TG169 help w/ medication- since year
 TG170 help eating- since year
 TG171 help hot meals- mem prob
 TG173 grocery shopping- mem prob
 TG174 help w/ medication- mem prob

Wave 8 Exit:

UA167 r in nursing home
 UG015 help w/dress
 UG020 adl walk help
 UG022 adl bathe help
 UG024 adl eat help
 UG029 adl bed help
 UG031 adl toilet help
 UG043 iadl meal preparation help
 UG046 iadl groc shop help
 UG049 iadl making phone calls help
 UG053 iadl taking medications help
 UG129 number days in bed
 UG130 help dressing- months
 UG131 help dressing- years
 UG132 help dressing- since age
 UG133 help dressing- since year
 UG134 help walking- months
 UG135 help walking- years
 UG136 help walking- since age
 UG137 help walking- since year
 UG138 help bathing- months
 UG139 help bathing- years
 UG140 help bathing- since age
 UG141 help bathing- since year
 UG142 help eating- months
 UG143 help eating- years
 UG144 help eating- since age
 UG145 help in/out bed- months
 UG146 help in/out bed- years
 UG147 help in/out bed- since age
 UG148 help in/out bed- since year

UG149 help using toilet- months
UG150 help using toilet- years
UG151 help using toilet- since age
UG152 help using toilet- since year
UG153 help hot meals- months
UG154 help hot meals- years
UG155 help hot meals- since age
UG156 help hot meals- since year
UG157 help groc shopping- months
UG158 help groc shopping- years
UG159 help groc shopping- since age
UG160 help groc shopping- since year
UG161 help w/ phone calls- mem prob
UG162 help phone calls- months
UG163 help phone calls- years
UG164 help phone calls- since age
UG165 help phone calls- since year
UG166 help w/ medication- months
UG167 help w/ medication- years
UG168 help w/ medication- since age
UG169 help w/ medication- since year
UG170 help eating- since year
UG171 help hot meals- mem prob
UG173 grocery shopping- mem prob
UG174 help w/ medication- mem prob

Wave 9 Exit:

VA167 r in nursing home
VG015 help w/dress
VG020 adl walk help
VG022 adl bathe help
VG024 adl eat help
VG029 adl bed help
VG031 adl toilet help
VG043 iadl meal preparation help
VG046 iadl groc shop help
VG049 iadl making phone calls help
VG053 iadl taking medications help
VG129 number days in bed
VG130 help dressing- months
VG131 help dressing- years
VG132 help dressing- since age
VG133 help dressing- since year
VG134 help walking- months
VG135 help walking- years
VG136 help walking- since age
VG137 help walking- since year
VG138 help bathing- months
VG139 help bathing- years
VG140 help bathing- since age
VG141 help bathing- since year
VG142 help eating- months
VG143 help eating- years
VG144 help eating- since age
VG145 help in/out bed- months
VG146 help in/out bed- years
VG147 help in/out bed- since age
VG148 help in/out bed- since year
VG149 help using toilet- months
VG150 help using toilet- years
VG151 help using toilet- since age
VG152 help using toilet- since year
VG153 help hot meals- months
VG154 help hot meals- years

VG155 help hot meals- since age
VG156 help hot meals- since year
VG157 help groc shopping- months
VG158 help groc shopping- years
VG159 help groc shopping- since age
VG160 help groc shopping- since year
VG161 help w/ phone calls- mem prob
VG162 help phone calls- months
VG163 help phone calls- years
VG164 help phone calls- since age
VG165 help phone calls- since year
VG166 help w/ medication- months
VG167 help w/ medication- years
VG168 help w/ medication- since age
VG169 help w/ medication- since year
VG170 help eating- since year
VG171 help hot meals- mem prob
VG173 grocery shopping- mem prob
VG174 help w/ medication- mem prob

Wave 10 Exit:

WA028 r in nursing home
WG015 help w/dress
WG020 adl walk help
WG022 adl bathe help
WG024 adl eat help
WG029 adl bed help
WG031 adl toilet help
WG043 iadl meal preparation help
WG046 iadl groc shop help
WG049 iadl making phone calls help
WG053 iadl taking medications help
WG129 number days in bed
WG130 help dressing- months
WG131 help dressing- years
WG132 help dressing- since age
WG133 help dressing- since year
WG134 help walking- months
WG135 help walking- years
WG136 help walking- since age
WG137 help walking- since year
WG138 help bathing- months
WG139 help bathing- years
WG140 help bathing- since age
WG141 help bathing- since year
WG142 help eating- months
WG143 help eating- years
WG144 help eating- since age
WG145 help in/out bed- months
WG146 help in/out bed- years
WG147 help in/out bed- since age
WG148 help in/out bed- since year
WG149 help using toilet- months
WG150 help using toilet- years
WG151 help using toilet- since age
WG152 help using toilet- since year
WG153 help hot meals- months
WG154 help hot meals- years
WG155 help hot meals- since age
WG156 help hot meals- since year
WG157 help groc shopping- months
WG158 help groc shopping- years
WG159 help groc shopping- since age
WG160 help groc shopping- since year

WG161 help w/ phone calls- mem prob
WG162 help phone calls- months
WG163 help phone calls- years
WG164 help phone calls- since age
WG165 help phone calls- since year
WG166 help w/ medication- months
WG167 help w/ medication- years
WG168 help w/ medication- since age
WG169 help w/ medication- since year
WG170 help eating- since year
WG171 help hot meals- mem prob
WG173 grocery shopping- mem prob
WG174 help w/ medication- mem prob

Wave 11 Exit:

XA028 r in nursing home
XG015 help w/dress
XG020 adl walk help
XG022 adl bathe help
XG024 adl eat help
XG029 adl bed help
XG031 adl toilet help
XG043 iadl meal preparation help
XG046 iadl groc shop help
XG049 iadl making phone calls help
XG053 iadl taking medications help
XG129 number days in bed
XG130 help dressing- months
XG131 help dressing- years
XG132 help dressing- since age
XG133 help dressing- since year
XG134 help walking- months
XG135 help walking- years
XG136 help walking- since age
XG137 help walking- since year
XG138 help bathing- months
XG139 help bathing- years
XG140 help bathing- since age
XG141 help bathing- since year
XG142 help eating- months
XG143 help eating- years
XG144 help eating- since age
XG145 help in/out bed- months
XG146 help in/out bed- years
XG147 help in/out bed- since age
XG148 help in/out bed- since year
XG149 help using toilet- months
XG150 help using toilet- years
XG151 help using toilet- since age
XG152 help using toilet- since year
XG153 help hot meals- months
XG154 help hot meals- years
XG155 help hot meals- since age
XG156 help hot meals- since year
XG157 help groc shopping- months
XG158 help groc shopping- years
XG159 help groc shopping- since age
XG160 help groc shopping- since year
XG161 help w/ phone calls- mem prob
XG162 help phone calls- months
XG163 help phone calls- years
XG164 help phone calls- since age
XG165 help phone calls- since year
XG166 help w/ medication- months

XG167 help w/ medication- years
XG168 help w/ medication- since age
XG169 help w/ medication- since year
XG170 help eating- since year
XG171 help hot meals- mem prob
XG173 grocery shopping- mem prob
XG174 help w/ medication- mem prob

Wave 12 Exit:

YA028 r in nursing home
YG015 help w/dress
YG020 adl walk help
YG022 adl bathe help
YG024 adl eat help
YG029 adl bed help
YG031 adl toilet help
YG043 iadl meal preparation help
YG046 iadl groc shop help
YG049 iadl making phone calls help
YG053 iadl taking medications help
YG129 number days in bed
YG130 help dressing- months
YG131 help dressing- years
YG132 help dressing- since age
YG133 help dressing- since year
YG134 help walking- months
YG135 help walking- years
YG136 help walking- since age
YG137 help walking- since year
YG138 help bathing- months
YG139 help bathing- years
YG140 help bathing- since age
YG141 help bathing- since year
YG142 help eating- months
YG143 help eating- years
YG144 help eating- since age
YG145 help in/out bed- months
YG146 help in/out bed- years
YG147 help in/out bed- since age
YG148 help in/out bed- since year
YG149 help using toilet- months
YG150 help using toilet- years
YG151 help using toilet- since age
YG152 help using toilet- since year
YG153 help hot meals- months
YG154 help hot meals- years
YG155 help hot meals- since age
YG156 help hot meals- since year
YG157 help groc shopping- months
YG158 help groc shopping- years
YG159 help groc shopping- since age
YG160 help groc shopping- since year
YG161 help w/ phone calls- mem prob
YG162 help phone calls- months
YG163 help phone calls- years
YG164 help phone calls- since age
YG165 help phone calls- since year
YG166 help w/ medication- months
YG167 help w/ medication- years
YG168 help w/ medication- since age
YG169 help w/ medication- since year
YG170 help eating- since year
YG171 help hot meals- mem prob
YG173 grocery shopping- mem prob

YG174 help w/ medication- mem prob

ADLs or IADLs: Who Helped with ADLs or IADLs

Wave	Variable	Label	Type
0A	RAXHLPSP	raxhlpssp: spouse helped r with adls/iadls final 3 months	Categ
0A	RAXHLPKID	raxhlpkid: child/grandchild helped r with adls/iadls final 3	Categ
0A	RAXHLPRL	raxhlprrl: relative helped r with adls/iadls final 3 months	Categ
0A	RAXHLPOT	raxhlpot: other individual helped r with adls/iadls final 3	Categ
0A	RAXHLPPO	raxhlpppo: professional helped r with adls/iadls final 3 mon	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXHLPSP	10282	0.31	0.46	0.00	1.00
RAXHLPKID	10282	0.50	0.50	0.00	1.00
RAXHLPRL	10282	0.11	0.31	0.00	1.00
RAXHLPOT	10282	0.30	0.46	0.00	1.00
RAXHLPPO	10282	0.38	0.49	0.00	1.00

Categorical Variable Codes

Value	RAXHLPSP
.b:bed-ridden	267
.d:dk	3
.h:no help received	2200
.m:missing	26
.q:not asked this wave	174
0.no	7045
1.yes	3237

Value	RAXHLPKID
.b:bed-ridden	267
.d:dk	3
.h:no help received	2200
.m:missing	26
.q:not asked this wave	174
0.no	5156
1.yes	5126

Value	RAXHLPRL
.b:bed-ridden	267
.d:dk	3
.h:no help received	2200
.m:missing	26
.q:not asked this wave	174
0.no	9172
1.yes	1110

Value	RAXHLPOT
.b:bed-ridden	267
.d:dk	3
.h:no help received	2200
.m:missing	26
.q:not asked this wave	174
0.no	7224
1.yes	3058

Value-----	RAXHLPPRO
.b:bed-ridden	267
.d:dk	3
.h:no help received	2200
.m:missing	26
.q:not asked this wave	174
0.no	6361
1.yes	3921

How Constructed:

RAXHLPSP, RAXHLPKID, RAXHLPRL, RAXHLPOT, and RAXHLPPRO indicate whether a specific person helped the deceased respondent with any ADLs or IADLs, as reported by the proxy. If the proxy reports that someone helped the respondent with any ADLs or with any IADLs, then the proxy is asked for the relationship of the people who helped the respondent. These variables summarize the information for the relationship of the respondent's helpers in "Activities of Daily Living: Who Helped with ADLs" and "Instrumental Activities of Daily Living: Who Helped with IADLs". Please see these sections for additional information on how the variables were created. RAXHLPSP indicates whether the respondent's spouse or partner helped the respondent with ADLs or IADLs. RAXHLPKID indicates whether the respondent's child, son, stepson, son-in-law, daughter, stepdaughter, daughter-in-law, grandchild, an unlisted child or child-in-law, former step-child, former child-in-law, grandchild-in-law, unknown child/ambiguous child relationship, or ambiguous child-in-law relationship helped the respondent with ADLs or IADLs. RAXHLPRL indicates whether the respondent's father, father-in-law, mother, mother-in-law, parents, brother, brother-in-law, sister, sister-in-law, or other relative helped the respondent with ADLs or IADLs. RAXHLPOT indicates whether another individual, late spouse/partner, ex-spouse/partner, not proxy interview, organization, or person of unknown relationship helped the respondent with ADLs or IADLs. RAXHLPPRO indicates whether an employee of institution, paid helper, professional, or specified professional helped the respondent with ADLs or IADLs. RAXHLPSP, RAXHLPKID, RAXHLPRL, RAXHLPOT, and RAXHLPPRO are coded as 0 if no one with the specified relationship helped the respondent with ADLs or IADLs. RAXHLPSP, RAXHLPKID, RAXHLPRL, RAXHLPOT, and RAXHLPPRO are coded as 1 if somebody with the specified relationship helped the respondent with ADLs or IADLs. RAXHLPSP, RAXHLPKID, RAXHLPRL, RAXHLPOT, and RAXHLPPRO are coded as special missing .h if nobody helped the respondent with any ADL or IADL activity in the last three months of life. In AHEAD wave 2 and HRS wave 3, these variables are coded as special missing .b if the proxy is not asked these questions because the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury. The questions comprising this variable are not asked in HRS wave 2 and so these variables are assigned special missing .q in this wave. Don't know, refused, and other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

Questions regarding who helped the respondent with any ADL or IADL activities are not asked in HRS wave 2, but are asked beginning in AHEAD wave 2 and HRS wave 3.

In AHEAD wave 2 and HRS wave 3, the proxy is not asked who helped the respondent with ADLs or IADLs if the respondent spent more than 85 days in the last three months in bed more than half the day because of illness or injury.

In AHEAD wave 2 and HRS wave 3, the proxy is asked who helped the respondent after each ADL and IADL that the proxy reported the respondent having help with. Starting in wave 4, the proxy is asked who helped the respondent with any ADL that the proxy reported the respondent having difficulty with once all the ADL activities had been inquired about, and is asked who helped the respondent with any IADL that the proxy reported the respondent having difficulty with once all the IADL activities had been inquired about.

In AHEAD wave 2 and HRS waves 3 through 5, the Preload HH Member Child (PR_MC) file is used to supplement the information obtained in the main exit interview file and assign relationships to the respondent's helpers. In HRS wave 3, the Helper file is also used to assign relationships to the respondent's helpers. In waves 6 and onward, the information to assign relationships to the respondent's helpers is only taken from the main exit interview file.

The categories for helper relationships are different across waves. In AHEAD wave 2 and HRS waves 3 through 5, the categories are more general, and across the files used to obtain relationships to the respondent in these waves, categories include the respondent's spouse, child, step/partner child, child-in-law, unlisted child or child-in-law, grandchild, employee of institution, other relative, other individual, organization, professional, and other. Only in HRS wave 3, deceased child and all children are also categories used to assign values to RAXAHKID. Starting in wave 6, the relationship list is much more specific, specifying sons, daughters, additional relative relationships, and paid helpers. Wave 6 includes categories for "not proxy interview" and "relationship unknown", which are not included in the following waves. The wave 6 category of "unknown child" is changed to "ambiguous child relationship" in the following waves. Starting in wave 7, the additional category of "ambiguous child-in-law relationship" is included.

HRS Variables Used:

Wave 2A Exit:

N1819	e31x.days in bed
N1877	e72fx.adl walk help
N1887	e73fx.adl dress help
N1897	e74fx.adl bathe help
N1907	e75fx.adl eat help
N1920	e76fx.adl bed help
N1930	e77fx.adl toilet help
N1961	e83.who help-11
N1967	e83a.type helper-1
N1975	e84.who help-2
N1976	e84a.type helper-2
N1984	e85.who help-3
N1985	e85a.type helper-3
N1988	e86.who help-4
N1989	e86a.type helper-4
N1992	e87.who help-5
N1993	e87a.type helper-5
N1996	e88.who help-6
N1997	e88a.type helper-6
N2000	e89.who help-7
N2001	e89a.type helper-7
N2011	e95x.iadl meals help
N2019	e96x.iadl groc help
N2027	e97x.iadl phone help
N2035	e98x.iadl med help
N2043	e99.iadls-who help,1
N2044	e99a.type iadl helper-1
N2050	e100.iadls-who help,2
N2051	e100a.type iadl helper-2
N2055	e101.iadls-who help,3
N2056	e101a.type iadl helper-3
N2061	e102.iadls-who help,4
N2062	e102a.type iadl helper-4
N2067	e103.iadls-who help,5
N2068	e103a.type iadl helper-5
N2073	e104.iadls-who help,6
N2074	e104a.type iadl helper-6

Wave 2A Exit PRMC:

N10	FAMILY/HH MEM REL TO IDFM
OPN	FAMILY/HH MEMBER PERSON NUMBER

Wave 3 Exit:

P1400	e31x.days in bed
P1415	e72fx.adl walk help
P1425	e73fx.adl dress help
P1435	e74fx.adl bathe help
P1445	e75fx.adl eat help

P1458	e76fx.adl bed help
P1468	e77fx.adl toilet help
P1499	e83.who help-11
P1505	e83a.type helper-1
P1513	e84.who help-2
P1514	e84a.type helper-2
P1522	e85.who help-3
P1523	e85a.type helper-3
P1526	e86.who help-4
P1527	e86a.type helper-4
P1530	e87.who help-5
P1531	e87a.type helper-5
P1534	e88.who help-6
P1535	e88a.type helper-6
P1538	e89.who help-7
P1539	e89a.type helper-7
P1549	e95x.iadl meals help
P1557	e96x.iadl groc help
P1565	e97x.iadl phone help
P1573	e98x.iadl med help
P1581	e99.iadls-who help,1
P1582	e99a.type iadl helper-1
P1588	e100.iadls-who help,2
P1589	e100a.type iadl helper-2
P1593	e101.iadls-who help,3
P1594	e101a.type iadl helper-3
P1599	e102.iadls-who help,4
P1600	e102a.type iadl helper-4
P1605	e103.iadls-who help,5
P1606	e103a.type iadl helper-5
P1611	e104.iadls-who help,6
P1612	e104a.type iadl helper-6
Wave 3 Exit PRMC:	
OPN	HH1 FAM LINE NO
P10	HH1 REL TO PREV WAVE FAMILY R
Wave 3 Exit Helper:	
OPN	Other Person Number
P1673A	HELPER RELATIONSHIP - COMBINED
Wave 4 Exit:	
Q1842	e32.(old e31) days in bed
Q1852	e73fx.dress diff
Q1859	e72x.walk diff
Q1881	e74x.bathing diff
Q1896	e75x.eat diff
Q1911	e76x.bed diff
Q1929	e77x.toilet diff
Q1956	e83.who help-1
Q1962	e83a.type helper-1
Q1970	e84.who help-2
Q1971	e84a.type helper-2
Q1979	e85.who help-3
Q1980	e85a.type helper-3
Q1983	e86.who help-4
Q1984	e86a.type helper-4
Q1987	e87.who help-5
Q1988	e87a.type helper-5
Q1991	e88.who help-6
Q1992	e88a.type helper-6
Q1995	e89.who help-7
Q1996	e89a.type helper-7
Q2010	e95x.iadl meals diff
Q2020	e96x.iadl groc diff
Q2030	e97x.iadls phone diff

Q2040 e98x.iadls medication diff
Q2049 e99.iadls-who help,1
Q2050 e99a.type iadl helper-1
Q2058 e100.iadls-who help,2
Q2059 e100a.type iadl helper-2
Q2063 e101.iadls-who help,3
Q2064 e101a.type iadl helper-3
Q2069 e102.iadls-who help,4
Q2070 e102a.type iadl helper-4
Q2075 e103.iadls-who help,5
Q2076 e103a.type iadl helper-5
Q2081 e104.iadls-who help,6
Q2082 e104a.type iadl helper-6

Wave 4 Exit PRMC:

OPN OTHER PERSON NUMBER
Q11 REL TO IDFM

Wave 5 Exit:

R1862 e32.(old e31) days in bed
R1872 e73fx.dress diff
R1879 e72x.walk diff
R1894 e74x.bathing diff
R1909 e75x.eat diff
R1924 e76x.bed diff
R1942 e77x.toilet diff
R1950 e83.who help-1
R1956 e83a.type helper-1
R1964 e84.who help-2
R1965 e84a.type helper-2
R1973 e85.who help-3
R1974 e85a.type helper-3
R1977 e86.who help-4
R1978 e86a.type helper-4
R1981 e87.who help-5
R1982 e87a.type helper-5
R1985 e88.who help-6
R1986 e88a.type helper-6
R1989 e89.who help-7
R1990 e89a.type helper-7
R2002 e95x.iadl meals diff
R2012 e96x.iadl groc diff
R2022 e97x.iadls phone diff
R2032 e98x.iadls medication diff
R2041 e99.iadls-who help-1
R2042 e99a.type iadl helper-1
R2050 e100.iadls-who help-2
R2051 e100a.type iadl helper-2
R2055 e101.iadls-who help-3
R2056 e101a.type iadl helper-3
R2061 e102.iadls-who help-4
R2062 e102a.type iadl helper-4
R2067 e103.iadls-who help-5
R2068 e103a.type iadl helper-5
R2073 e104.iadls-who help-6
R2074 e104a.type iadl helper-6

Wave 5 Exit PRMC:

OPN OTHER PERSON NUMBER
R11 PR11. REL TO IDFM

Wave 6 Exit:

SA028 r in nursing home
SG015 help w/dress
SG020 adl walk help
SG022 adl bathe help
SG024 adl eat help

SG029 adl bed help
 SG031 adl toilet help
 SG033_1 adl helper relationship to r- 1
 SG033_2 adl helper relationship to r- 2
 SG033_3 adl helper relationship to r- 3
 SG033_4 adl helper relationship to r- 4
 SG033_5 adl helper relationship to r- 5
 SG033_6 adl helper relationship to r- 6
 SG033_7 adl helper relationship to r- 7
 SG043 iadl meal preparation help
 SG046 iadl groc shop help
 SG049 iadl making phone calls help
 SG053 iadl taking medications help
 SG054_1 iadls- who helps most-1
 SG055_1 iadl helper relationship to r- 1
 SG055_2 iadl helper relationship to r- 2
 SG055_3 iadl helper relationship to r- 3
 SG055_4 iadl helper relationship to r- 4
 SG055_5 iadl helper relationship to r- 5
 SG055_6 iadl helper relationship to r- 6
 SG129 number days in bed

Wave 7 Exit:

TA167 r in nursing home
 TG015 help w/dress
 TG020 adl walk help
 TG022 adl bathe help
 TG024 adl eat help
 TG029 adl bed help
 TG031 adl toilet help
 TG033_1 adl helper relationship to r- 1
 TG033_2 adl helper relationship to r- 2
 TG033_3 adl helper relationship to r- 3
 TG033_4 adl helper relationship to r- 4
 TG033_5 adl helper relationship to r- 5
 TG033_6 adl helper relationship to r- 6
 TG033_7 adl helper relationship to r- 7
 TG043 iadl meal preparation help
 TG046 iadl groc shop help
 TG049 iadl making phone calls help
 TG053 iadl taking medications help
 TG054_1 iadls- who helps most-1
 TG055_1 iadl helper relationship to r-1
 TG055_2 iadl helper relationship to r-2
 TG055_3 iadl helper relationship to r-3
 TG055_4 iadl helper relationship to r-4
 TG055_5 iadl helper relationship to r-5
 TG055_6 iadl helper relationship to r-6
 TG129 number days in bed

Wave 8 Exit:

UA167 r in nursing home
 UG015 help w/dress
 UG020 adl walk help
 UG022 adl bathe help
 UG024 adl eat help
 UG029 adl bed help
 UG031 adl toilet help
 UG033_1 adl helper relationship to r- 1
 UG033_2 adl helper relationship to r- 2
 UG033_3 adl helper relationship to r- 3
 UG033_4 adl helper relationship to r- 4
 UG033_5 adl helper relationship to r- 5
 UG033_6 adl helper relationship to r- 6
 UG033_7 adl helper relationship to r- 7

UG043 iadl meal preparation help
UG046 iadl groc shop help
UG049 iadl making phone calls help
UG053 iadl taking medications help
UG054_1 iadls- who helps most-1
UG055_1 iadl helper relationship to r-1
UG055_2 iadl helper relationship to r-2
UG055_3 iadl helper relationship to r-3
UG055_4 iadl helper relationship to r-4
UG055_5 iadl helper relationship to r-5
UG055_6 iadl helper relationship to r-6
UG129 number days in bed

Wave 9 Exit:

VA167 r in nursing home
VG015 help w/dress
VG020 adl walk help
VG022 adl bathe help
VG024 adl eat help
VG029 adl bed help
VG031 adl toilet help
VG033_1 adl helper relationship to r- 1
VG033_2 adl helper relationship to r- 2
VG033_3 adl helper relationship to r- 3
VG033_4 adl helper relationship to r- 4
VG033_5 adl helper relationship to r- 5
VG033_6 adl helper relationship to r- 6
VG033_7 adl helper relationship to r- 7
VG043 iadl meal preparation help
VG046 iadl groc shop help
VG049 iadl making phone calls help
VG053 iadl taking medications help
VG054_1 iadls- who helps most-1
VG055_1 iadl helper relationship to r-1
VG055_2 iadl helper relationship to r-2
VG055_3 iadl helper relationship to r-3
VG055_4 iadl helper relationship to r-4
VG055_5 iadl helper relationship to r-5
VG055_6 iadl helper relationship to r-6
VG129 number days in bed

Wave 10 Exit:

WA028 r in nursing home
WG015 help w/dress
WG020 adl walk help
WG022 adl bathe help
WG024 adl eat help
WG029 adl bed help
WG031 adl toilet help
WG033_1 adl helper relationship to r- 1
WG033_2 adl helper relationship to r- 2
WG033_3 adl helper relationship to r- 3
WG033_4 adl helper relationship to r- 4
WG033_5 adl helper relationship to r- 5
WG033_6 adl helper relationship to r- 6
WG033_7 adl helper relationship to r- 7
WG043 iadl meal preparation help
WG046 iadl groc shop help
WG049 iadl making phone calls help
WG053 iadl taking medications help
WG054_1 iadls- who helps most-1
WG055_1 iadl helper relationship to r-1
WG055_2 iadl helper relationship to r-2
WG055_3 iadl helper relationship to r-3
WG055_4 iadl helper relationship to r-4

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WG055_5      iadl helper relationship to r-5
WG055_6      iadl helper relationship to r-6
WG129        number days in bed
Wave 11 Exit:
XA028        r in nursing home
XG015        help w/dress
XG020        adl walk help
XG022        adl bathe help
XG024        adl eat help
XG029        adl bed help
XG031        adl toilet help
XG033_1      adl helper relationship to r- 1
XG033_2      adl helper relationship to r- 2
XG033_3      adl helper relationship to r- 3
XG033_4      adl helper relationship to r- 4
XG033_5      adl helper relationship to r- 5
XG033_6      adl helper relationship to r- 6
XG033_7      adl helper relationship to r- 7
XG043        iadl meal preparation help
XG046        iadl groc shop help
XG049        iadl making phone calls help
XG053        iadl taking medications help
XG054_1      iadls- who helps most-1
XG055_1      iadl helper relationship to r-1
XG055_2      iadl helper relationship to r-2
XG055_3      iadl helper relationship to r-3
XG055_4      iadl helper relationship to r-4
XG055_5      iadl helper relationship to r-5
XG055_6      iadl helper relationship to r-6
XG129        number days in bed
Wave 12 Exit:
YA028        r in nursing home
YG015        help w/dress
YG020        adl walk help
YG022        adl bathe help
YG024        adl eat help
YG029        adl bed help
YG031        adl toilet help
YG033_1      adl helper relationship to r- 1
YG033_2      adl helper relationship to r- 2
YG033_3      adl helper relationship to r- 3
YG033_4      adl helper relationship to r- 4
YG033_5      adl helper relationship to r- 5
YG033_6      adl helper relationship to r- 6
YG033_7      adl helper relationship to r- 7
YG043        iadl meal preparation help
YG046        iadl groc shop help
YG049        iadl making phone calls help
YG053        iadl taking medications help
YG054_1      iadls- who helps most-1
YG055_1      iadl helper relationship to r-1
YG055_2      iadl helper relationship to r-2
YG055_3      iadl helper relationship to r-3
YG055_4      iadl helper relationship to r-4
YG055_5      iadl helper relationship to r-5
YG055_6      iadl helper relationship to r-6
YG129        number days in bed
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Section O: End of Life Planning

Wills and Trusts: Whether Had Will or Trust

Wave	Variable	Label	Type
0A	RAWTRUST	rawtrust: r had a trust	Categ
0A	RAWITWILL	rawitwill: r had a witnessed will	Categ
0A	RAPROBATE	raprobate: r's will went through probate	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAWTRUST	12427	0.14	0.35	0.00	1.00
RAWITWILL	12493	0.57	0.50	0.00	1.00
RAPROBATE	7028	0.53	0.50	0.00	1.00

Categorical Variable Codes

Value	RAWTRUST
.d:dk	245
.m:missing	25
.q:not asked this wave	174
.r:refuse	81
0.no	10711
1.yes	1716

Value	RAWITWILL
.d:dk	220
.m:missing	25
.q:not asked this wave	174
.r:refuse	40
0.no	5433
1.yes	7060

Value	RAPROBATE
.d:dk	211
.m:missing	297
.o:other	3
.q:not asked this wave	174
.r:refuse	15
.t:disputes record	1
.w:no will	5223
0.no	3335
1.yes	3693

How Constructed:

Whether the respondent had a trust, had a will, and whether the will has been through probate is asked first in the exit interview, and then in the post and post post exit interviews if the answers from the previous exit interview or previous post exit interview are missing. Once the questions are answered, the proxy is not asked these questions again if any further exit interviews are conducted. As such, RAWTRUST, RAWITWILL, and RAPROBATE can contain responses from the exit interview, post exit interview, or post post exit interview.

RAWTRUST indicates whether the deceased respondent put any of his/her assets into a trust. RAWTRUST is coded as 0 if the respondent did not put any assets into a trust. RAWTRUST is coded as 1 if the respondent did put assets into a trust. This question is not asked in HRS wave 2, and so RAWTRUST is assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAWITWILL indicates whether the deceased respondent had a will that was written and witnessed. RAWITWILL is coded as 0 if the respondent did not have a will that was written and witnessed. RAWITWILL is coded as 1 if the respondent did have a will that was written and witnessed. This question is not asked in HRS wave 2, and so RAWITWILL is assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAPROBATE indicates whether the deceased respondent's will has been through probate. RAPROBATE is coded as 0 if the will has not been through probate, if the will does not need to go through probate, if the proxy voluntarily states that the will has not been through probate because no assets remained to go through probate, or because all assets were held in joint tenancy or in a trust. RAPROBATE is coded as 1 if the will has been through probate. RAPROBATE is assigned special missing .w if the deceased respondent did not have a will and this question was not asked. RAPROBATE is assigned special missing .t if the proxy voluntarily disputes the record. In AHEAD wave 2, RAPROBATE is assigned special missing .o if the proxy reports "other". This question is not asked in HRS wave 2, and so RAPROBATE is assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is not asked whether the respondent had a trust, had a witnessed will, or if the will has been through probate.

Only in AHEAD wave 2, the proxy is given the option of responding with "other" when asked if the respondent's will has been through probate.

HRS Variables Used:

Wave 2A Exit:

N5111	n71x.assets into trust
N5116	n72x.will
N5117	n72ax.will probated

Wave 3 Exit:

P2002	n71x.assets into trust
P2007	n72x.will
P2008	n72ax.will probated

Wave 4 Exit:

Q2414	n71x.assets into trust
Q2419	n72x.will
Q2420	n72ax.will probated

Wave 5 Exit:

R2421	n71x.assets into trust
R2426	n72x.will
R2427	n72ax.will probated

Wave 6 Exit:

ST155	r have assets in trust
ST156	r have will
ST157	r have will probated

Wave 7 Exit:

TT155	r have assets in trust
TT156	r have will
TT157	r have will probated

Wave 8 Exit:

UT155	r have assets in trust
UT156	r have will
UT157	r have will probated

Wave 9 Exit:

VT155	r have assets in trust
VT156	r have will
VT157	r have will probated

Wave 10 Exit:

WT155	r have assets in trust
WT156	r have will
WT157	r have will probated
Wave 11 Exit:	
XT155	r have assets in trust
XT156	r have will
XT157	r have will probated
Wave 12 Exit:	
YT155	r have assets in trust
YT156	r have will
YT157	r have will probated

Wills and Trusts: Beneficiaries

Wave	Variable	Label	Type
0A	RAWILLSP	rawillsp: r's will had provisions for spouse	Categ
0A	RAWILLCG	rawillcg: r's will had provisions for child/grandchild	Categ
0A	RAWILLRL	rawillrl: r's will had provisions for relative	Categ
0A	RAWILLOT	rawillot: r's will had provisions for other	Categ
0A	RAWILLIN	rawillin: r's will had provisions for charity	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAWILLSP	3632	0.90	0.30	0.00	1.00
RAWILLCG	7038	0.59	0.49	0.00	1.00
RAWILLRL	7770	0.12	0.32	0.00	1.00
RAWILLOT	7750	0.05	0.22	0.00	1.00
RAWILLIN	7656	0.09	0.28	0.00	1.00

Categorical Variable Codes

Value	RAWILLSP
.d:dk	55
.m:missing	25
.n:not yet distributed	113
.p:will not thru probate	9
.q:not asked this wave	174
.r:refuse	40
.u:unmarried	4308
.w:no will/trust	4252
.x:nothing of value left	344
0.no	359
1.yes	3273

Value	RAWILLCG
.d:dk	133
.k:no kids or grandkids	699
.m:missing	35
.n:not yet distributed	205
.o:other	1
.p:will not thru probate	9
.q:not asked this wave	174
.r:refuse	86
.w:no will/trust	3721
.x:nothing of value left	851
0.no	2893
1.yes	4145

Value	RAWILLRL
.d:dk	136
.m:missing	34
.n:not yet distributed	209
.o:other	1
.p:will not thru probate	9
.q:not asked this wave	174
.r:refuse	89
.w:no will/trust	3607

.x:nothing of value left	923
0.no	6851
1.yes	919
Value-----	RAWILLOT
.d:dk	142
.m:missing	34
.n:not yet distributed	212
.o:other	1
.p:will not thru probate	9
.q:not asked this wave	174
.r:refuse	100
.w:no will/trust	3607
.x:nothing of value left	923
0.no	7346
1.yes	404
Value-----	RAWILLIN
.d:dk	215
.m:missing	34
.n:not yet distributed	216
.o:other	1
.p:will not thru probate	11
.q:not asked this wave	174
.r:refuse	106
.w:no will/trust	3614
.x:nothing of value left	925
0.no	6985
1.yes	671

How Constructed:

The relationship of the people who the respondent's will or trust made provisions for is asked first in the exit interview, and then in the post and post post exit interviews if the answers from the previous exit interview or previous post exit interview are missing. Once the questions are answered, the proxy is not asked these questions again if any further exit interviews are conducted. As such, RAWILLSP, RAWILLCG, RAWILLRL, RAWILLOT, and RAWILLIN can contain responses from the exit interview, post exit interview, or post post exit interview.

RAWILLSP, RAWILLCG, RAWILLRL, RAWILLOT, and RAWILLIN indicate whether the deceased respondent made provisions for a person of the specified relationship in their will or trust, as reported by the proxy. The proxy is asked separately whether the respondent made provisions in the will or trust for his/her husband/wife/partner, children/grandchildren/great-grandchildren, siblings, other relatives, friends, others, and charities, so there can be multiple recipients. RAWILLSP indicates whether the respondent made provisions for their husband/wife/partner in their will or trust. RAWILLCG indicates whether the respondent made provisions for their children, grandchildren, or great-grandchildren in their will or trust. RAWILLRL indicates whether the respondent made provisions for their brothers, sisters, or other relatives in their will or trust. RAWILLOT indicates whether the respondent made provisions for friends, or anyone or anything else in their will or trust. RAWILLIN indicates whether the respondent made provisions for charities in their will or trust. These variables are assigned a 0 if the respondent did not make provisions for a person of the specified relationship in their will or trust, and are assigned a 1 if the respondent did make provisions for a person of the specified relationship in their will or trust. RAWILLSP, RAWILLCG, RAWILLRL, RAWILLOT, and RAWILLIN are assigned special missing .w if the deceased respondent did not have a will or trust and these questions were not asked. RAWILLSP, RAWILLCG, RAWILLRL, RAWILLOT, and RAWILLIN are assigned special missing .n if the estate had not yet been distributed and these questions were not asked. RAWILLSP, RAWILLCG, RAWILLRL, RAWILLOT, and RAWILLIN are assigned special missing .x if there was nothing much of value in the respondent's estate and these questions were not asked. RAWILLSP is assigned special missing .u if the deceased respondent had no spouse or partner at the time of death. RAWILLCG is assigned special missing .k if the deceased respondent had no children or no grandchildren at the time of death. Only in HRS wave 3, if the will has not been through probate, then the proxy is not asked these questions and RAWILLSP, RAWILLCG, RAWILLRL, RAWILLOT, and RAWILLIN are assigned special missing .p. In AHEAD wave 2 and HRS wave 3, when asked whether the estate had been divided, if the proxy replies with "other", then these questions are not asked and RAWILLSP, RAWILLCG, RAWILLRL, RAWILLOT, and RAWILLIN are assigned special missing .o. Starting in HRS wave 4, if the proxy replies with "other", then these questions are

asked. These questions are not asked in HRS wave 2, and so RAWILLSP, RAWILLCG, RAWILLRL, RAWILLLOT, and RAWILLIN are assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is not asked whether the respondent had a trust, had a witnessed will, or who the will or trust contained provisions for.

Only in HRS wave 3, if the will has not been through probate, then the proxy is not asked who the will or trust contained provisions for.

In AHEAD wave 2 and HRS wave 3, when asked whether the estate had been divided, if the proxy replies with "other", then the proxy is not asked who the will or trust contained provisions for. Starting in HRS wave 4, if the proxy replies with "other", then the proxy is asked who the will or trust contained provisions for.

HRS Variables Used:

Wave 2A Exit:

N1442	d4x.grandchildren
N5111	n71x.assets into trust
N5116	n72x.will
N5120	n73x.happened to estate
N5122	n74x.will spouse
N513	cs # children 512u(1/20)=
N5131	n75x.will family
N5155	n77x.will charities
N5165	n78x.will siblings
N5175	n79x.will relatives
N5185	n80x.will friends
N5195	n81x.will others
N674	a21.r marital status

Wave 3 Exit:

P1055	d4x.grandchildren
P2002	n71x.assets into trust
P2007	n72x.will
P2008	n72ax.will probated
P2011	n73x.happened to estate
P2013	n74x.will spouse
P2022	n75x.will family
P2046	n77x.will family
P2056	n78x.will siblings
P2066	n79x.will relatives
P2076	n80x.will friends
P2086	n81x.will others
P513	cs # children
P692	a21.r marital

Wave 4 Exit:

Q1542	d4x. any grandchildren
Q2414	n71x.assets into trust
Q2419	n72x.will
Q2423	n73x.happened to estate
Q2425	n74x.will spouse
Q2434	n75x.will family
Q2458	n77x.will charities
Q2468	n78x.will siblings
Q2478	n79x.will relatives
Q2488	n80x.will friends
Q2498	n81x.will others
Q548	cs15d.current coupleness
Q819	cs # children

Wave 5 Exit:

R1619 d4x. any grandchildren
R2421 n71x.assets into trust
R2426 n72x.will
R2430 n73x.happened to estate
R2432 n74x.will spouse
R2441 n75x.will family
R2465 n77x.will charities
R2475 n78x.will siblings
R2485 n79x.will relatives
R2495 n80x.will friends
R2505 n81x.will others
R597 cs15d.current coupleness
R893 cs49y16.cs # children

Wave 6 Exit:

SE100 grandchildren
ST155 r have assets in trust
ST156 r have will
ST161 division of assets
ST163 possessions left to p/sp
ST164 r leave assets to children
ST168 r leave assets to charity
ST169 r leave assets to sibs
ST170 r leave assets to other rel
ST171 r leave assets to friends
ST172 r leave assets to anyone else
SX065_R coupleness status r - updated

Wave 7 Exit:

TE046 # grandchildren total
TT155 r have assets in trust
TT156 r have will
TT161 division of assets
TT163 possessions left to p/sp
TT164 r leave assets to children
TT168 r leave assets to charity
TT169 r leave assets to sibs
TT170 r leave assets to other rel
TT171 r leave assets to friends
TT172 r leave assets to anyone else
TX065_R coupleness status r - updated

Wave 8 Exit:

UE046 # grandchildren total
UT155 r have assets in trust
UT156 r have will
UT161 division of assets
UT163 possessions left to p/sp
UT164 r leave assets to children
UT168 r leave assets to charity
UT169 r leave assets to sibs
UT170 r leave assets to other rel
UT171 r leave assets to friends
UT172 r leave assets to anyone else
UX065_R coupleness status r - updated
UZ114 prev wave number of grandchildren

Wave 9 Exit:

VE046 # grandchildren total
VT155 r have assets in trust
VT156 r have will
VT161 division of assets
VT163 possessions left to p/sp
VT164 r leave assets to children
VT168 r leave assets to charity
VT169 r leave assets to sibs

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VT170      r leave assets to other rel
VT171      r leave assets to friends
VT172      r leave assets to anyone else
VX065_R    coupleness status r - updated
VZ114      prev wave number of grandchildren
Wave 10 Exit:
WE046      # grandchildren total
WT155      r have assets in trust
WT156      r have will
WT161      division of assets
WT163      possessions left to p/sp
WT164      r leave assets to children
WT168      r leave assets to charity
WT169      r leave assets to sibs
WT170      r leave assets to other rel
WT171      r leave assets to friends
WT172      r leave assets to anyone else
WX065_R    coupleness status r - updated
WZ114      prev wave number of grandchildren
Wave 11 Exit:
XE046      # grandchildren total
XT155      r have assets in trust
XT156      r have will
XT161      division of assets
XT163      possessions left to p/sp
XT164      r leave assets to children
XT168      r leave assets to charity
XT169      r leave assets to sibs
XT170      r leave assets to other rel
XT171      r leave assets to friends
XT172      r leave assets to anyone else
XX065_R    coupleness status r - updated
XZ114      prev wave number of grandchildren
Wave 12 Exit:
YE046      # grandchildren total
YT155      r have assets in trust
YT156      r have will
YT161      division of assets
YT163      possessions left to p/sp
YT164      r leave assets to children
YT168      r leave assets to charity
YT169      r leave assets to sibs
YT170      r leave assets to other rel
YT171      r leave assets to friends
YT172      r leave assets to anyone else
YX065_R    coupleness status r - updated
YZ114      prev wave number of grandchildren
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Death Expenses

Wave	Variable	Label	Type
0A	RADEXPENSE	radexpense: r death expense: total	Cont
0A	RADEXPENSEF	radexpensef: r death expense flag: total	Categ
0A	RAINSCOV	rainscovr: r death expenses covered by insurance	Categ
0A	RAINSPAID	rainspaid: r death expense: insurance paid out	Cont
0A	RAINSPAIDF	rainspaidf: r death expense flag: how insurance paid out	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADEXPENSE	12574	8901.67	55311.23	0.00	3556910.50
RADEXPENSEF	12574	1.30	0.74	1.00	7.00
RAINSCOV	11849	0.20	0.40	0.00	1.00
RAINSPAID	11414	1123.74	16954.92	0.00	1778455.25
RAINSPAIDF	2009	1.22	0.42	1.00	2.00

Categorical Variable Codes

Value	RADEXPENSEF
.n:not settled yet	204
.q:not asked this wave	174
1.continuous value	9884
2.closed bracket	2334
3.open bracket	10
5.no bracket info	343
7.dk whether has expense	3

Value	RAINSCOV
.d:dk	648
.m:missing	37
.n:no death expenses	189
.q:not asked this wave	174
.r:refuse	55
0.no	9491
1.yes	2358

Value	RAINSPAIDF
.q:not asked this wave	174
.x:no insurance payout	10769
1.reported monetary value	1562
2.reported percentage	447

How Constructed:

The total expenses associated with the respondent's death, whether any of the death expenses were covered by insurance, and the value of the death expenses covered by the insurance are asked first in the exit interview, and then in the post and post post exit interviews if the answers from the previous exit interview or previous post exit interview are missing. These questions are included in the post and post post exit interviews starting in wave 5. Once the questions are answered, the proxy is not asked this question again if any further exit interviews are conducted. As such, RADEXPENSE, RAINSCOV, and RAINSPAID can contain responses from the exit interview, post exit interview, or post post exit interview.

RADEXPENSE indicates the total expenses (in dollars) associated with the respondent's death for funeral expenses, legal fees, and so on and includes imputed values to address item-missingness. Proxies are first asked, "What were the total expenses associated with the death for things of that type?" If the proxy responds don't know or refused, then an unfolding bracket sequence is asked to obtain a minimum and maximum value for the respondent's death expenses. RADEXPENSE has reported and imputed values that have been adjusted to 2010 dollars based on the consumer price index for the year of death. RADEXPENSE is assigned special missing .n if the proxy responds that the total expenses have not been settled yet. This question is not asked in HRS wave 2, and so RADEXPENSE is assigned special missing .q in this wave.

In AHEAD wave 2 and HRS wave 3, if the proxy does not give an exact amount for the respondent's death expenses, the proxy is asked a set of bracket questions and answers if the true value was more than the threshold value. In waves 4 and onward, if the proxy does not give an exact amount for the respondent's death expenses, the proxy is asked a set of bracket questions and answers if the true value was less than, about equal to, or more than the threshold value. The threshold values are \$1,000, \$5,000, \$25,000, \$100,000 in all waves. This information is used in the imputation of RADEXPENSE.

RADEXPENSEF is a flag variable indicating the level of imputation used for RADEXPENSE. A code of 1 indicates the proxy reported a continuous value and no imputation was necessary. A code of 2 indicates that the value was imputed based on a closed bracket. A code of 3 indicates that the value was imputed based on an open bracket. A code of 5 indicates that the value was imputed without any bracket information. A code of 6 indicates the proxy reported that the respondent did not have any death expenses and the value is 0. A code of 7 indicates whether the proxy did not know if the respondent had any death expenses. RADEXPENSEF is assigned special missing .n if the proxy responds that the total expenses have not been settled yet. Since this question was not asked in HRS wave 2, RADEXPENSEF is assigned special missing .q in this wave.

RAINSCOVN indicates whether, excluding life insurance, any of the death expenses were covered by insurance. RAINSCOVN is coded as 0 if none of the death expenses were covered by insurance, excluding life insurance. RAINSCOVN is coded as 1 if at least some of the death expenses were covered by insurance, excluding life insurance. RAINSCOVN is assigned special missing .n if the death expenses were reported to be 0. This question is not asked in HRS wave 2 and RAINSCOVN is assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAINSPAID indicates the monetary value of the death expenses (in dollars) covered by insurance as reported by the proxy. Proxies can report a monetary value or a percentage of the total death expenses. If a percentage was given, then the percentage was multiplied by the total imputed death expenses in order to obtain the monetary value covered by insurance. RAINSPAID has been adjusted to 2010 dollars based on the consumer price index for the year of death. RAINSPAID is assigned special missing .n if the death expenses were reported to be 0. This question is not asked in HRS wave 2 and RAINSPAID is assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RAINSPAIDF is a flag variable indicating whether the monetary value of the death expenses covered by insurance was reported as a monetary value or as a percentage. RAINSPAIDF is coded as 1 if the proxy reported a monetary value for the insurance payout to cover death expenses. RAINSPAIDF is coded as 2 if the proxy reported a percentage for the insurance payout to cover death expenses. RAINSPAIDF is assigned special missing .x if there was no insurance payout to cover death expenses or no death expenses. Since this question was not asked in HRS wave 2, RAINSPAIDF is assigned special missing .q in this wave.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is not asked about the total expenses associated with the respondent's death for funeral expenses, legal fees, and so on, or whether, excluding life insurance, any of the death expenses were covered by insurance and the value of the expenses covered by insurance.

Only in AHEAD wave 2, the proxy is given the option to respond with "other" when asked about final expenses. In this case, values were imputed.

In AHEAD wave 2 and HRS wave 3, if the proxy does not give an exact amount for the respondent's death expenses, the proxy is asked a set of bracket questions and answers if the true value was more than the threshold value. In waves 4 and onward, if the proxy does not give an exact amount for the respondent's death expenses, the proxy is asked a set of bracket questions and answers if the true value was less than, about equal to, or more than the threshold value.

Please note that in AHEAD wave 2 and HRS waves 3 through 5, whether insurance helped cover the cost of death expenses is asked of all proxies, but starting in wave 6, this question is not asked if total death expenses were reported to be 0.

HRS Variables Used:

Wave 2A Exit:

N5102	n62x.r expenses
N5103	n62ax.dk-1
N5104	n62bx.dk-2
N5105	n62cx.dk-3
N5106	n62dx.dk-4
N5107	n62ex.covered by ins
N5108	n62fx.insurance pay
N5109	n62gx.insurance percentage

Wave 3 Exit:

P1993	n62x.r expenses
P1994	n62ax.dk-1
P1995	n62bx.dk-2
P1996	n62cx.dk-3
P1997	n62dx.dk-4
P1998	n62ex.covered by ins
P1999	n62fx.insurance pay
P2000	n62gx.insurance percentage

Wave 4 Exit:

Q2405	n62x.r expenses
Q2406	n62ax.dk-1
Q2407	n62bx.dk-2
Q2408	n62cx.dk-3
Q2409	n62dx.dk-4
Q2410	n62ex.covered by ins
Q2411	n62fx.insurance pay
Q2412	n62gx.insurance percentage

Wave 5 Exit:

R2409	n62x.r expenses
R2410	n62a.dk-1
R2411	n62b.dk-2
R2412	n62c.dk-3
R2413	n62d.dk-4
R2417	n62ex.covered by ins
R2418	n62fx.insurance pay
R2419	n62gx.insurance percentage

Wave 6 Exit:

ST148	death expenses
ST149	death expenses - min
ST152	death exp cover by ins
ST153	amt paid death exp by ins
ST154	pct paid death exp by ins

Wave 7 Exit:

TT148	death expenses
TT149	death expenses - min
TT152	death exp cover by ins

TT153	amt paid death exp by ins
TT154	pct paid death exp by ins
Wave 8 Exit:	
UT148	death expenses
UT149	death expenses - min
UT152	death exp cover by ins
UT153	amt paid death exp by ins
UT154	pct paid death exp by ins
Wave 9 Exit:	
VT148	death expenses
VT149	death expenses - min
VT152	death exp cover by ins
VT153	amt paid death exp by ins
VT154	pct paid death exp by ins
Wave 10 Exit:	
WT148	death expenses
WT149	death expenses - min
WT152	death exp cover by ins
WT153	amt paid death exp by ins
WT154	pct paid death exp by ins
Wave 11 Exit:	
XT148	death expenses
XT149	death expenses - min
XT152	death exp cover by ins
XT153	amt paid death exp by ins
XT154	pct paid death exp by ins
Wave 12 Exit:	
YT148	death expenses
YT149	death expenses - min
YT152	death exp cover by ins
YT153	amt paid death exp by ins
YT154	pct paid death exp by ins

Living Will: Whether Had EOL Instructions and R's Desires

Wave	Variable	Label	Type
0A	RALVWILL	ralvwill: r whether had living will	Categ
0A	RALMTCARE	ralmtcare: r had desire to limit care	Categ
0A	RAHOLDTRT	raholdtrt: r had desire to withhold treatment	Categ
0A	RACOMFORT	racomfort: r had desire to be kept comfortable	Categ
0A	RAPROLONG	raprolong: r had desire to prolong life	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RALVWILL	10329	0.43	0.50	0.00	1.00
RALMTCARE	4354	0.91	0.29	0.00	1.00
RAHOLDTRT	4283	0.79	0.40	0.00	1.00
RACOMFORT	4342	0.93	0.26	0.00	1.00
RAPROLONG	4378	0.06	0.23	0.00	1.00

Categorical Variable Codes

Value	RALVWILL
.d:dk	201
.m:missing	23
.q:not asked this wave	2382
.r:refuse	17
0.no	5885
1.yes	4444

Value	RALMTCARE
.d:dk	84
.m:missing	242
.n:no living will	5885
.q:not asked this wave	2382
.r:refuse	5
0.no	399
1.yes	3955

Value	RAHOLDTRT
.d:dk	152
.m:missing	242
.n:no living will	5885
.q:not asked this wave	2382
.r:refuse	8
0.no	883
1.yes	3400

Value	RACOMFORT
.d:dk	95
.m:missing	242
.n:no living will	5885
.q:not asked this wave	2382
.r:refuse	6
0.no	325
1.yes	4017

Value	RAPROLONG
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.d:dk	61
.m:missing	242
.n:no living will	5885
.q:not asked this wave	2382
.r:refuse	4
0.no	4133
1.yes	245

How Constructed:

RALVWILL indicates whether the deceased respondent ever provided written instructions about the treatment or care he/she wanted to receive during the final days of his/her life, also called a living will. RALVWILL is coded as 0 if the respondent did not provide a living will. RALVWILL is coded as 1 if the respondent did provide a living will. This question is not asked in AHEAD wave 2 or HRS waves 2 through 4 and RALVWILL is assigned special missing .q in these waves. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RALMTCARE indicates whether the deceased respondent's living will expressed a desire to limit care in certain situations. RAHOLDTRT indicates whether the deceased respondent's living will expressed a desire to have any treatment withheld. RACOMFORT indicates whether the deceased respondent's living will expressed a desire to keep him/her comfortable and pain free but to forego extensive measures to prolong life. RAPROLONG indicates whether the deceased respondent's living will expressed a desire to receive all care possible under any circumstances in order to prolong life. RALMTCARE, RAHOLDTRT, RACOMFORT, and RAPROLONG are coded as 0 if negative responses were given, and coded as 1 if affirmative responses were given. RALMTCARE, RAHOLDTRT, RACOMFORT, and RAPROLONG are assigned special missing .n if the deceased respondent did not provide a living will. These questions are not asked in AHEAD wave 2 or HRS waves 2 through 4 and RALMTCARE, RAHOLDTRT, RACOMFORT, and RAPROLONG are assigned special missing .q in these waves. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In AHEAD wave 2 and HRS waves 2 through 4, the proxy is not asked whether the respondent provided written instructions about the treatment or care he/she wanted to receive during the final days of his/her life, also called a living will. In these waves, the proxy is also not asked any questions regarding the respondent's desires expressed in the living will.

HRS Variables Used:

Wave 5 Exit:

R2742	sx-1.r provide written instructions
R2749	sx-1b.inst prolong life
R2750	sx-1c.limit care
R2751	sx-1d.treatment withheld
R2752	sx-1e.keep comfortable

Wave 6 Exit:

ST190	r have written eol inst
ST193	eol all care possible
ST194	eol limit care
ST195	eol withhold treatment
ST196	eol no extensive measures

Wave 7 Exit:

TT190	r have written eol inst
TT193	eol all care possible
TT194	eol limit care
TT195	eol withhold treatment
TT196	eol no extensive measures

Wave 8 Exit:

UT190	r have written eol inst
UT193	eol all care possible
UT194	eol limit care

UT195	eol withhold treatment
UT196	eol no extensive measures
Wave 9 Exit:	
VT190	r have written eol inst
VT193	eol all care possible
VT194	eol limit care
VT195	eol withhold treatment
VT196	eol no extensive measures
Wave 10 Exit:	
WT190	r have written eol inst
WT193	eol all care possible
WT194	eol limit care
WT195	eol withhold treatment
WT196	eol no extensive measures
Wave 11 Exit:	
XT190	r have written eol inst
XT193	eol all care possible
XT194	eol limit care
XT195	eol withhold treatment
XT196	eol no extensive measures
Wave 12 Exit:	
YT190	r have written eol inst
YT193	eol all care possible
YT194	eol limit care
YT195	eol withhold treatment
YT196	eol no extensive measures

Living Will: Month and Year Created

Wave Variable	Label	Type
0A RALVWILLM	ralvwillm: r month created living will	Cont
0A RALVWILLY	ralvwilly: r year created living will	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RALVWILLM	2578	5.91	3.51	1.00	12.00
RALVWILLY	3947	2000.73	7.45	1958.00	2014.00

How Constructed:

RALVWILLM and RALVWILLY indicate the month and year, respectively, the respondent's living will was dated. RALVWILLM and RALVWILLY are assigned special missing .n if the deceased respondent did not provide a living will. RALVWILLM and RALVWILLY are assigned special missing .i if the proxy reports a date prior to the respondent's birth or after the respondent's death (KNOWNDECEASEDYR and KNOWNDECEASEDMO from the HRS Tracker File). These questions are not asked in AHEAD wave 2 and HRS waves 2 through 4 and RALVWILLM and RALVWILLY are assigned special missing .q in these waves. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In AHEAD wave 2 and HRS waves 2 through 4, the proxy is not asked whether the respondent had a living will, and so is not asked when the living will was created.

HRS Variables Used:

RAND HRS:
 RABYEAR rabyear: r birth year
 Tracker:
 KNOWNDECEASEDMO known deceased - month
 KNOWNDECEASEDYR known deceased - year
 Wave 5 Exit:
 R2742 sx-1.r provide written instructions
 R2743 sx-1a.month written
 R2744 sx-1a2.year written
 Wave 6 Exit:
 ST190 r have written eol inst
 ST191 month eol inst written
 ST192 year eol inst written
 Wave 7 Exit:
 TT190 r have written eol inst
 TT191 month eol inst written
 TT192 year eol inst written
 Wave 8 Exit:
 UT190 r have written eol inst
 UT191 month eol inst written
 UT192 year eol inst written
 Wave 9 Exit:
 VT190 r have written eol inst
 VT191 month eol inst written
 VT192 year eol inst written
 Wave 10 Exit:

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WT190      r have written eol inst
WT191      month eol inst written
WT192      year eol inst written
Wave 11 Exit:
XT190      r have written eol inst
XT191      month eol inst written
XT192      year eol inst written
Wave 12 Exit:
YT190      r have written eol inst
YT191      month eol inst written
YT192      year eol inst written
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Living Will: Time from Living Will Creation until Death

Wave	Variable	Label	Type
0A	RALWTODTHM	ralwtodthm: months from r's living will to death	Cont
0A	RALWTODTHY	ralwtodthy: years from r's living will to death	Cont
0A	RALWTODTHF	ralwtodthf: flag time from r's living will to death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RALWTODTHM	3947	68.10	78.11	0.00	588.00
RALWTODTHY	3947	5.68	6.51	0.00	49.00
RALWTODTHF	3957	1.35	0.48	1.00	2.00

Categorical Variable Codes

Value-----	RALWTODTHF
.i:invalid date given	458
.m:missing	270
.n:no living will	5885
.q:not asked this wave	2382
1.month and year used	2578
2.only year used	1379

How Constructed:

RALWTODTHM and RALWTODTHY indicate the number of months and years, respectively, between the dated living will and the respondent's death. RALWTODTHM is calculated using the year and month the living will was created and the death year and month (RADYEAR and RADMONTH in the RAND HRS). If month of the creation of the living will or death month is missing, then the calculation only considers the year values of living will creation and death. RALWTODTHY is calculated by dividing RALWTODTHM by 12. If the date of living will creation is reported to be prior to the respondent's birth or after the respondent's death (KNOWNDECEASEDYR and KNOWNDECEASEDMO from the HRS Tracker File), then RALWTODTHM and RALWTODTHY are assigned special missing .i. RALWTODTHM and RALWTODTHY are assigned special missing .n if the deceased respondent did not provide a living will. The month and year the respondent created a living will is not asked in AHEAD wave 2 and HRS waves 2 through 4, and so RALWTODTHM and RALWTODTHY are assigned special missing .q in these waves. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RALWTODTHF is a flag variable indicating whether year and month or only years are used in the calculation of RALWTODTHM and RALWTODTHY. RALWTODTHF is coded as follows: 1.month and year used, 2.only year used. If the date of living will creation is reported to be prior to the respondent's birth or after the respondent's death (KNOWNDECEASEDYR and KNOWNDECEASEDMO from the HRS Tracker File), then RALWTODTHF is assigned special missing .i. RALWTODTHF is assigned special missing .n if the deceased respondent did not provide a living will. The month and year the respondent created a living will is not asked in AHEAD wave 2 and HRS waves 2 through 4, and so RALWTODTHF is assigned special missing .q in these waves.

Cross Wave Differences in HRS

In AHEAD wave 2 and HRS waves 2 through 4, the proxy is not asked whether the respondent had a living will, and so is not asked when the living will was created.

HRS Variables Used:

RAND HRS:
RABYEAR rabyear: r birth year

Tracker:
KNOWNDECEASEDMO known deceased - month
KNOWNDECEASEDYR known deceased - year

Wave 5 Exit:
R2742 sx-1.r provide written instructions
R2743 sx-1a.month written
R2744 sx-1a2.year written

Wave 6 Exit:
SA121 date of death- month
SA123 date of death- year
ST190 r have written eol inst
ST191 month eol inst written
ST192 year eol inst written

Wave 7 Exit:
TA121 date of death- month
TA123 date of death- year
TT190 r have written eol inst
TT191 month eol inst written
TT192 year eol inst written

Wave 8 Exit:
UA121 date of death- month
UA123 date of death- year
UT190 r have written eol inst
UT191 month eol inst written
UT192 year eol inst written

Wave 9 Exit:
VA121 date of death- month
VA123 date of death- year
VT190 r have written eol inst
VT191 month eol inst written
VT192 year eol inst written

Wave 10 Exit:
WA121 date of death- month
WA123 date of death- year
WT190 r have written eol inst
WT191 month eol inst written
WT192 year eol inst written

Wave 11 Exit:
XA121 date of death- month
XA123 date of death- year
XT190 r have written eol inst
XT191 month eol inst written
XT192 year eol inst written

Wave 12 Exit:
YA121 date of death- month
YA123 date of death- year
YT190 r have written eol inst
YT191 month eol inst written
YT192 year eol inst written

Durable Power of Attorney for Healthcare

Wave	Variable	Label	Type
0A	RADPOAFH	radpoafh: r durable power of attorney for healthcare	Categ
0A	RADPOASP	radpoasp: r spouse was durable power of attorney	Categ
0A	RADPOACH	radpoach: r child/grandchild was durable power of attorney	Categ
0A	RADPOARL	radpoarl: r relative was durable power of attorney	Categ
0A	RADPOAFR	radpoafr: r friend was durable power of attorney	Categ
0A	RADPOANR	radpoanr: r non-relative proxy was durable power of attorney	Categ
0A	RADPOADR	radpoadr: r doctor was durable power of attorney	Categ
0A	RADPOARA	radpoara: r religious advisor was durable power of attorney	Categ
0A	RADPOALP	radpoalp: r legal professional was durable power of attorney	Categ
0A	RADPOASW	radpoasw: r social worker was durable power of attorney	Categ
0A	RADPOAOT	radpoaot: r other person was durable power of attorney	Categ
0A	RADPOANF	radpoanf: r non-family member was durable power of attorney	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADPOAFH	10240	0.55	0.50	0.00	1.00
RADPOASP	5611	0.27	0.44	0.00	1.00
RADPOACH	5611	0.65	0.48	0.00	1.00
RADPOARL	5611	0.10	0.30	0.00	1.00
RADPOAFR	5611	0.02	0.14	0.00	1.00
RADPOANR	5611	0.00	0.07	0.00	1.00
RADPOADR	5611	0.00	0.05	0.00	1.00
RADPOARA	5611	0.00	0.03	0.00	1.00
RADPOALP	5611	0.00	0.06	0.00	1.00
RADPOASW	5611	0.00	0.02	0.00	1.00
RADPOAOT	5611	0.01	0.08	0.00	1.00
RADPOANF	5611	0.04	0.19	0.00	1.00

Categorical Variable Codes

Value	RADPOAFH
.d:dk	285
.m:missing	24

.q:not asked this wave	2382
.r:refuse	21
0.no	4613
1.yes	5627

Value-----	RADPOASP
.d:dk	299
.m:missing	24
.n:no durable power of atto	4613
.q:not asked this wave	2382
.r:refuse	23
0.no	4104
1.yes	1507

Value-----	RADPOACH
.d:dk	299
.m:missing	24
.n:no durable power of atto	4613
.q:not asked this wave	2382
.r:refuse	23
0.no	1972
1.yes	3639

Value-----	RADPOARL
.d:dk	299
.m:missing	24
.n:no durable power of atto	4613
.q:not asked this wave	2382
.r:refuse	23
0.no	5034
1.yes	577

Value-----	RADPOAFR
.d:dk	299
.m:missing	24
.n:no durable power of atto	4613
.q:not asked this wave	2382
.r:refuse	23
0.no	5496
1.yes	115

Value-----	RADPOANR
.d:dk	299
.m:missing	24
.n:no durable power of atto	4613
.q:not asked this wave	2382
.r:refuse	23
0.no	5583
1.yes	28

Value-----	RADPOADR
.d:dk	299
.m:missing	24
.n:no durable power of atto	4613
.q:not asked this wave	2382
.r:refuse	23
0.no	5597
1.yes	14

Value-----	RADPOARA
.d:dk	299
.m:missing	24
.n:no durable power of atto	4613
.q:not asked this wave	2382
.r:refuse	23
0.no	5605
1.yes	6

Value-----	RADPOALP
.d:dk	299
.m:missing	24
.n:no durable power of atto	4613
.q:not asked this wave	2382
.r:refuse	23
0.no	5592
1.yes	19

Value-----	RADPOASW
.d:dk	299
.m:missing	24
.n:no durable power of atto	4613
.q:not asked this wave	2382
.r:refuse	23
0.no	5609
1.yes	2

Value-----	RADPOAOT
.d:dk	299
.m:missing	24
.n:no durable power of atto	4613
.q:not asked this wave	2382
.r:refuse	23
0.no	5575
1.yes	36

Value-----	RADPOANF
.d:dk	299
.m:missing	24
.n:no durable power of atto	4613
.q:not asked this wave	2382
.r:refuse	23
0.no	5399
1.yes	212

How Constructed:

RADPOAFH indicates whether the deceased respondent had a Durable Power of Attorney for Health Care, someone who can legally make decisions about his/her care or medical treatment if he/she could not make those decisions himself/herself. RADPOAFH is coded as 0 if the deceased respondent had no Durable Power of Attorney for Health Care. RADPOAFH is coded as 1 if the deceased respondent did have a Durable Power of Attorney for Health Care. This question is not asked in AHEAD wave 2 and HRS waves 2 through 4, and so RADPOAFH is assigned special missing .q in these waves. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RADPOASP, RADPOACH, RADPOARL, RADPOAFR, RADPOANR, RADPOADR, RADPOARA, RADPOALP, RADPOASW, RADPOAOT, and RADPOANF indicate whether a person with the specified relationship was mentioned being a Durable Power of Attorney for the deceased respondent. The proxy can select multiple people who served as the respondent's Durable Power of Attorney with specific relationships or by answering it was the non-spouse proxy respondent, in which case the proxy's relationship to the respondent, as recorded in RAXTWHOIVW, is used to assign the correct relationship. RADPOASP indicates if the respondent's spouse or partner was mentioned being a Durable Power of Attorney. RADPOACH indicates if the respondent's child, child-in-law, or grandchild was mentioned being a Durable Power of Attorney. RADPOARL indicates if another relative of the respondent was mentioned being a Durable Power of Attorney. RADPOAFR indicates if the respondent's friend was mentioned being a Durable Power of Attorney. RADPOANR indicates if a non-relative proxy is mentioned being the respondent's Durable Power of Attorney. RADPOADR indicates if the respondent's GP, doctor, or healthcare professional is mentioned being a Durable Power of Attorney. RADPOARA indicates if the respondent's minister, rabbi, imam, priest, or religious advisor is mentioned being a Durable Power of Attorney. RADPOALP indicates if the respondent's solicitor or legal professional is mentioned being a Durable Power of Attorney. RADPOASW indicates if a social worker is mentioned being the respondent's Durable Power of Attorney. RADPOAOT indicates if some other person is mentioned being the respondent's Durable Power of Attorney. RADPOANF indicates if a non-family member, meaning a friend, non-relative proxy, the respondent's GP, doctor, or healthcare professional, the respondent's minister, rabbi, imam, priest or religious advisor, the respondent's solicitor or legal professional, a social worker, or some other person is mentioned being the respondent's Durable Power of Attorney. RADPOASP, RADPOACH, RADPOARL, RADPOAFR, RADPOANR, RADPOADR, RADPOARA, RADPOALP, RADPOASW, RADPOAOT, and RADPOANF 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. This question is not asked in AHEAD wave 2 and HRS waves 2 through 4, and so

RADPOASP, RADPOACH, RADPOARL, RADPOAFR, RADPOANR, RADPOADR, RADPOARA, RADPOALP, RADPOASW, RADPOAOT, and RADPOANF are assigned special missing .q in these waves. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In AHEAD wave 2 and HRS waves 2 through 4, the proxy is not asked whether the respondent had a Durable Power of Attorney for Healthcare, or the relationship of the person/people who were named as the respondent's Durable Power of Attorney.

In waves 5 and 6, the proxy can choose relationships of up to 3 people who were named as the respondent's Durable Power of Attorney. Starting in wave 7, the proxy can choose relationships of up to 4 people who were named as the respondent's Durable Power of Attorney, however no proxy respondents reported a fourth relationship in any wave.

HRS Variables Used:

Wave 5 Exit:	
R2764	sx-2.make legal arrangements
R2765M1	sx-2a.who authority-1
R2765M2	sx-2a.who authority-2
Wave 6 Exit:	
ST206	eol legal care arrangmt
ST207M1	eol who authority - 1
ST207M2	eol who authority - 2
ST207M3	eol who authority - 3
Wave 7 Exit:	
TT206	eol legal care arrangmt
TT207M1	eol who authority - 1
TT207M2	eol who authority - 2
TT207M3	eol who authority - 3
Wave 8 Exit:	
UT206	eol legal care arrangmt
UT207M1	eol who authority - 1
UT207M2	eol who authority - 2
UT207M3	eol who authority - 3
Wave 9 Exit:	
VT206	eol legal care arrangmt
VT207M1	eol who authority - 1
VT207M2	eol who authority - 2
VT207M3	eol who authority - 3
Wave 10 Exit:	
WT206	eol legal care arrangmt
WT207M1	eol who authority - 1
WT207M2	eol who authority - 2
WT207M3	eol who authority - 3
Wave 11 Exit:	
XT206	eol legal care arrangmt
XT207M1	eol who authority - 1
XT207M2	eol who authority - 2
XT207M3	eol who authority - 3
Wave 12 Exit:	
YT206	eol legal care arrangmt
YT207M1	eol who authority - 1
YT207M2	eol who authority - 2
YT207M3	eol who authority - 3

Life Insurance Policies: Whether Had Life Insurance Settlement and Settlement Value

Wave	Variable	Label	Type
0A	RAXLIFEINS	raxlifeins: r any life insurance settlement	Categ
0A	RALFINSV	ralfinsv: r life insurance: total settlement	Cont
0A	RALFINSVF	ralfinsvf: r life insurance flag: total settlement	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAXLIFEINS	12135	0.39	0.49	0.00	1.00
RALFINSV	12778	13540.41	64575.12	0.00	2103049.50
RALFINSVF	12778	4.38	2.34	1.00	7.00

Categorical Variable Codes

Value	RAXLIFEINS
.d:dk	470
.m:missing	28
.q:not asked this wave	174
.r:refuse	145
0.no	7450
1.yes	4685

Value	RALFINSVF
.q:not asked this wave	174
1.continuous value	3660
2.closed bracket	675
3.open bracket	12
5.no bracket info	336
6.no settlement	7450
7.dk whether settlement	645

How Constructed:

RAXLIFEINS indicates whether anyone received a settlement from the deceased respondent's life insurance. RAXLIFEINS is coded as 0 if nobody received a settlement from life insurance. RAXLIFEINS is coded as 1 if someone received a settlement from life insurance. This question is not asked in HRS wave 2, and so is assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

RALFINSV indicates the total monetary value of the life insurance settlement and includes imputed values to address item-missingness. Proxies are first asked whether anyone received a settlement from life insurance, if so, they are then asked to name the relationship of the person(s) who received the life insurance. If a child received a settlement, the proxy is asked to name the amount or percentage that the child(ren) received altogether, if a spouse received a settlement, the proxy is asked to name the amount or percentage that the spouse received, if a grandchild or other relative received a settlement, the proxy is asked to name the amount or percentage that the other relatives received altogether, and if a non-relative received a settlement, the proxy is asked to name the amount or percentage that the non-relatives received altogether. Then, varying by wave, the proxy may be asked, "Altogether, what was the value of the life insurance settlement?" In AHEAD wave 2 and HRS wave 3, the proxy is asked about the value of the settlement for the respondent's life insurance policies regardless of the recipients reported. In waves 4, 5, 7 and onward, the proxy is asked about the value of the total life insurance settlement for the respondent's life insurance policies if a child, grandchild, relative, or non-relative is a recipient of a settlement, and if the spouse is the only recipient but an amount is not provided. If the spouse is the only

recipient and an amount is provided, then this value is used as the value of the total life insurance settlement. In wave 6, the proxy is asked about the value of the total settlement for the respondent's life insurance policies only if the spouse is the only recipient of the settlement. If a child, grandchild, relative, or non-relative is the only recipient of a settlement and an amount is provided, then this value is used as the value of the total life insurance settlement. If the proxy selects more than one recipient of a life insurance settlement, then the sum of the amounts provided for each relationship is used as a minimum value for imputation.

If the proxy responds don't know or refused for the total value of the life insurance settlement, then an unfolding bracket sequence begins to determine a minimum and maximum value for the settlement. RALFINSV has reported and imputed values that have been adjusted to 2010 dollars based on the consumer price index for the year of death. RALFINSV is assigned a value of 0 if nobody received a settlement from life insurance. This question was not asked in HRS wave 2, and so RALFINSV is assigned special missing .q in this wave.

In AHEAD wave 2 and HRS wave 3, if the proxy does not give an exact amount for the life insurance settlement, the proxy is asked a set of bracket questions and answers if the true value was more than the threshold value. In waves 4 and onward, if the proxy does not give an exact amount for the life insurance settlement, the proxy is asked a set of bracket questions and answers if the true value was less than, about equal to, or more than the threshold value. The threshold values are \$10,000, \$25,000, \$100,000, \$500,000, \$2,000,000 in all waves. This information is used in the imputation of RALFINSV.

RALFINSVF is a flag variable indicating the level of imputation used for RALFINSV. A code of 1 indicates the proxy reported a continuous value and no imputation was necessary. A code of 2 indicates that the value was imputed based on a closed bracket. A code of 3 indicates that the value was imputed based on an open bracket. A code of 5 indicates that the value was imputed without any bracket information. A code of 6 indicates the proxy reported the respondent not having any life insurance settlement and the value of RALFINSV is 0. A code of 7 indicates that whether the respondent had a life insurance settlement is unknown. Since this question was not asked in HRS wave 2, RALFINSVF is assigned special missing .q in this wave.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is asked whether the respondent had any life insurance policies and the value of the policies. Starting in AHEAD wave 2 and HRS wave 3, the proxy is asked whether anyone has received a settlement from life insurance and the value of the settlement for the respondent's life insurance policies. Because of the difference in the wording of these questions, we have not provided any values for HRS wave 2 in the Harmonized HRS Exit datafile.

In AHEAD wave 2 and HRS wave 3, the proxy is asked about the value of the settlement for the respondent's life insurance policies regardless of the recipients reported.

In waves 4, 5, 7 and onward, the proxy is asked about the value of the total life insurance settlement for the respondent's life insurance policies if a child, grandchild, relative, or non-relative is a recipient of a settlement, and if the spouse is the only recipient but an amount is not provided. If the spouse is the only recipient and an amount is provided, then this value is used as the value of the total life insurance settlement.

In wave 6, the proxy is asked about the value of the total settlement for the respondent's life insurance policies only if the spouse is the only recipient of the settlement. If a child, grandchild, relative, or non-relative is the only recipient of a settlement and an amount is provided, then this value is used as the value of the total life insurance settlement. If the proxy selects more than one recipient of a life insurance settlement, then the sum of the amounts provided for each relationship is used as a minimum value for imputation.

In AHEAD wave 2 and HRS wave 3, if the proxy does not give an exact amount for the life insurance settlement, the proxy is asked a set of bracket questions and answers if the true value was more than the threshold value. In waves 4 and onward, if the proxy does not give an

exact amount for the life insurance settlement, the proxy is asked a set of bracket questions and answers if the true value was less than, about equal to, or more than the threshold value.

HRS Variables Used:

Wave 2A Exit:

N5214	n83x.life insurance
N5215M1	n83ax.insurance beneficiaries
N5215M2	n83ax.insurance beneficiaries
N5236	n85gx.amount to spouse/partner
N5246	n86x.\$ value estate
N5247	n86bx.dk-1
N5248	n86cx.dk-2
N5249	n83dx.dk-3
N5250	n83ex.dk-4
N5251	n83fx.dk-5

Wave 3 Exit:

P2105	n83x.life insurance
P2106M1	n83ax.insurance beneficiaries
P2106M2	n83ax.insurance beneficiaries
P2106M3	n83ax.insurance beneficiaries
P2127	n85gx.amount to spouse/partner
P2137	n86x.\$ value estate
P2138	n86bx.dk-1
P2139	n86cx.dk-2
P2140	n83dx.dk-3
P2141	n83ex.dk-4
P2142	n83fx.dk-5

Wave 4 Exit:

Q2517	n83x.life insurance
Q2518M1	n83ax.insurance beneficiaries-1
Q2518M2	n83ax.insurance beneficiaries-2
Q2518M3	n83ax.insurance beneficiaries-1
Q2518M4	n83ax.insurance beneficiaries-2
Q2539	n85gx.amount to spouse/partner
Q2549	n86ax.\$ value estate
Q2550	n86bx.dk-1
Q2551	n86cx.dk-2
Q2552	n86dx.dk-3
Q2553	n86ex.dk-4
Q2554	n86fx.dk-5

Wave 5 Exit:

R2524	n83x.life insurance
R2525M1	n83ax.insurance beneficiaries-1
R2525M2	n83ax.insurance beneficiaries-2
R2525M3	n83ax.insurance beneficiaries-3
R2546	n85gx.amount to spouse/partner
R2556	n86ax.\$ value estate
R2557	n86bx.dk-1
R2558	n86cx.dk-2
R2559	n86dx.dk-3
R2560	n86ex.dk-4
R2561	n86fx.dk-5

Wave 6 Exit:

ST181	life insurance settlement
ST182M1	who recv life ins - 1
ST182M2	who recv life ins - 2
ST182M3	who recv life ins - 3
ST186	total value ins settlement
ST187	value ins settlement - min
ST9082	life insurance amt transfer - children
ST9112	life insurance amt transfer - sp/p

ST9122 life insurance amt transfer - other rel
ST9132 life insurance amt transfer - non rel

Wave 7 Exit:

TT181 life insurance settlement
TT182M1 who recv life ins - 1
TT182M2 who recv life ins - 2
TT182M3 who recv life ins - 3
TT182M4 who recv life ins - 4
TT186 total value ins settlement
TT187 value ins settlement - min
TT9112 life insurance amt transfer - sp/p

Wave 8 Exit:

UT181 life insurance settlement
UT182M1 who recv life ins - 1
UT182M2 who recv life ins - 2
UT182M3 who recv life ins - 3
UT186 total value ins settlement
UT187 value ins settlement - min
UT9112 life insurance amt transfer - sp/p

Wave 9 Exit:

VT181 life insurance settlement
VT182M1 who recv life ins - 1
VT182M2 who recv life ins - 2
VT182M3 who recv life ins - 3
VT186 total value ins settlement
VT187 value ins settlement - min
VT9112 life insurance amt transfer - sp/p

Wave 10 Exit:

WT181 life insurance settlement
WT182M1 who recv life ins - 1
WT182M2 who recv life ins - 2
WT182M3 who recv life ins - 3
WT186 total value ins settlement
WT187 value ins settlement - min
WT9112 life insurance amt transfer - sp/p

Wave 11 Exit:

XT181 life insurance settlement
XT182M1 who recv life ins - 1
XT182M2 who recv life ins - 2
XT182M3 who recv life ins - 3
XT182M4 who recv life ins - 4
XT186 total value ins settlement
XT187 value ins settlement - min
XT9112 life insurance amt transfer - sp/p

Wave 12 Exit:

YT181 life insurance settlement
YT182M1 who recv life ins - 1
YT182M2 who recv life ins - 2
YT182M3 who recv life ins - 3
YT182M4 who recv life ins - 4
YT186 total value ins settlement
YT187 value ins settlement - min
YT9112 life insurance amt transfer - sp/p

Life Insurance Policies: Beneficiaries

Wave	Variable	Label	Type
0A	RALFINSSP	ralfinssp: r spouse beneficiary of life ins	Categ
0A	RALFINSCH	ralfinsch: r child beneficiary of life ins	Categ
0A	RALFINSGK	ralfinsgk: r grandchild beneficiary of life ins	Categ
0A	RALFINSRL	ralfinsrl: r relative beneficiary of life ins	Categ
0A	RALFINSOT	ralfinsot: r other non-relative beneficiary of life ins	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RALFINSSP	4623	0.52	0.50	0.00	1.00
RALFINSCH	4623	0.41	0.49	0.00	1.00
RALFINSGK	4623	0.02	0.14	0.00	1.00
RALFINSRL	4623	0.06	0.24	0.00	1.00
RALFINSOT	4623	0.04	0.19	0.00	1.00

Categorical Variable Codes

Value	RALFINSSP
.d:dk	487
.e:estate/trust was benefic	7
.f:funeral expenses	24
.m:missing	29
.n:no life ins settlement	7450
.q:not asked this wave	174
.r:refuse	158
0.no	2231
1.yes	2392

Value	RALFINSCH
.d:dk	487
.e:estate/trust was benefic	7
.f:funeral expenses	24
.m:missing	29
.n:no life ins settlement	7450
.q:not asked this wave	174
.r:refuse	158
0.no	2747
1.yes	1876

Value	RALFINSGK
.d:dk	487
.e:estate/trust was benefic	7
.f:funeral expenses	24
.m:missing	29
.n:no life ins settlement	7450
.q:not asked this wave	174
.r:refuse	158
0.no	4530
1.yes	93

Value	RALFINSRL
.d:dk	487
.e:estate/trust was benefic	7

.f:funeral expenses	24
.m:missing	29
.n:no life ins settlement	7450
.q:not asked this wave	174
.r:refuse	158
0.no	4343
1.yes	280
Value-----	RALFINSOT
.d:dk	487
.e:estate/trust was benefic	7
.f:funeral expenses	24
.m:missing	29
.n:no life ins settlement	7450
.q:not asked this wave	174
.r:refuse	158
0.no	4450
1.yes	173

How Constructed:

RALFINSSP, RALFINSCH, RALFINSCHK, RALFINSRL, and RALFINSOT indicate whether someone with the specified relationship received a settlement from life insurance. The proxy is first asked whether anyone received a settlement from life insurance, and if so, the proxy can report the relationship of multiple people who received a life insurance settlement. RALFINSSP indicates whether the deceased respondent's spouse/partner received a settlement from life insurance. In HRS wave 3, RALFINSSP also indicates whether the deceased respondent's ex-spouse received a settlement from life insurance. RALFINSCH indicates whether the deceased respondent's children received a settlement from life insurance. RALFINSCHK indicates whether the deceased respondent's grandchildren or great-grandchildren received a settlement from life insurance. RALFINSRL indicates whether other relatives of the deceased respondent received a settlement from life insurance. RALFINSOT indicates whether other non-relatives of the deceased respondent received a settlement from life insurance. RALFINSSP, RALFINSCH, RALFINSCHK, RALFINSRL, and RALFINSOT are coded as 0 if that relationship is not mentioned as receiving a life insurance settlement, and coded as 1 if that relationship is mentioned as receiving a life insurance settlement. RALFINSSP, RALFINSCH, RALFINSCHK, RALFINSRL, and RALFINSOT are assigned special missing .n if nobody received a life insurance settlement on behalf of the deceased respondent. In waves 4 and 5, RALFINSSP, RALFINSCH, RALFINSCHK, RALFINSRL, and RALFINSOT are assigned special missing .f if the settlement from life insurance was used for funeral expenses or if the beneficiary was unknown, and are assigned special missing .e if the estate or trust was the recipient of the life insurance settlement. RALFINSSP, RALFINSCH, RALFINSCHK, RALFINSRL, and RALFINSOT are not available in HRS wave 2, and are assigned special missing .q in this wave. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively.

Cross Wave Differences in HRS

In HRS wave 2, the proxy is asked whether the respondent had any life insurance policies. Starting in AHEAD wave 2 and HRS wave 3, the proxy is asked whether anyone has received a settlement from life insurance and who received a settlement from the respondent's life insurance policies.

In AHEAD wave 2, the proxy can only specify the relationship of 2 life insurance beneficiaries. In HRS waves 3, 5, 6, and 8-10, the relationship of up to 3 life insurance beneficiaries are specified. In waves 4, 7, 11, and 12, the relationship of up to 4 life insurance beneficiaries are specified.

Only in wave 3, the proxy can respond that the respondent's ex-spouse received a life insurance settlement. Only in waves 4 and 5, the proxy can respond that the settlement from life insurance was used for funeral expenses, that the beneficiary was unknown, or that the estate or trust was the recipient of the life insurance settlement.

HRS Variables Used:

Wave 2A Exit:

N5214	n83x.life insurance
N5215M1	n83ax.insurance beneficiaries
N5215M2	n83ax.insurance beneficiaries
Wave 3 Exit:	
P2105	n83x.life insurance
P2106M1	n83ax.insurance beneficiaries
P2106M2	n83ax.insurance beneficiaries
P2106M3	n83ax.insurance beneficiaries
Wave 4 Exit:	
Q2517	n83x.life insurance
Q2518M1	n83ax.insurance beneficiaries-1
Q2518M2	n83ax.insurance beneficiaries-2
Q2518M3	n83ax.insurance beneficiaries-1
Q2518M4	n83ax.insurance beneficiaries-2
Wave 5 Exit:	
R2524	n83x.life insurance
R2525M1	n83ax.insurance beneficiaries-1
R2525M2	n83ax.insurance beneficiaries-2
R2525M3	n83ax.insurance beneficiaries-3
Wave 6 Exit:	
ST181	life insurance settlement
ST182M1	who recv life ins - 1
ST182M2	who recv life ins - 2
ST182M3	who recv life ins - 3
Wave 7 Exit:	
TT181	life insurance settlement
TT182M1	who recv life ins - 1
TT182M2	who recv life ins - 2
TT182M3	who recv life ins - 3
TT182M4	who recv life ins - 4
Wave 8 Exit:	
UT181	life insurance settlement
UT182M1	who recv life ins - 1
UT182M2	who recv life ins - 2
UT182M3	who recv life ins - 3
Wave 9 Exit:	
VT181	life insurance settlement
VT182M1	who recv life ins - 1
VT182M2	who recv life ins - 2
VT182M3	who recv life ins - 3
Wave 10 Exit:	
WT181	life insurance settlement
WT182M1	who recv life ins - 1
WT182M2	who recv life ins - 2
WT182M3	who recv life ins - 3
Wave 11 Exit:	
XT181	life insurance settlement
XT182M1	who recv life ins - 1
XT182M2	who recv life ins - 2
XT182M3	who recv life ins - 3
XT182M4	who recv life ins - 4
Wave 12 Exit:	
YT181	life insurance settlement
YT182M1	who recv life ins - 1
YT182M2	who recv life ins - 2
YT182M3	who recv life ins - 3
YT182M4	who recv life ins - 4