

Harmonized LASI-DAD Documentation

Early Release Version A, December 2019

Sandy Chien, Sidney Beaumaster, Kanghong Shao, Erik Meijer, Marco Angrisani, Alden Gross, Pranali Khobragade, Joyita Banerjee, A.B. Dey, & Jinkook Lee

*We greatly appreciate support from the National Institute on Aging
(R01 AG030153, R01 AG051125, RF1 AG055273)*

Preface

The Longitudinal Aging Study in India, Diagnostic Assessment of Dementia (LASI-DAD) is an in-depth study of late-life cognition and dementia, drawing a sub-sample of around 3,000 LASI respondents aged 60 or older. LASI is a prospective, multi-purpose population survey, representative of both the entire country and of each state within India. The goal of LASI-DAD is to develop a protocol for the assessment of dementia and mild cognitive impairment that can be used within community settings.

LASI-DAD is one of several population-based cognitive impairment and dementia studies using the Harmonized Cognitive Assessment Protocol (HCAP); this family of studies includes the Health and Retirement Study – HCAP (HRS-HCAP), the English Longitudinal Study of Ageing – HCAP (ELSA-HCAP), and the Mexican Health and Aging Study’s Cognitive Aging Ancillary Study (Mex-Cog), along with others in China, South Africa, and Europe.

The HCAP consists of a pair of in-person interviews, one with the target respondent and one with an informant nominated by the respondent. The respondent interview includes a neuropsychological test battery designed to measure a range of key cognitive domains affected by cognitive aging, such as memory, language, attention, executive function, and visuospatial skills. The HCAP studies share core elements, such as the domains represented, specific cognitive tests, questions for informants, and methods of data collection. However, due to differences in literacy and local contexts, some modifications were made in the selection and administration of specific cognitive tests for LASI-DAD. These differences are worthy of careful consideration.

One unique feature of LASI-DAD is that a comprehensive geriatric assessment accompanied the interviews and was completed in collaboration with regional geriatric hospitals. Through this geriatric assessment, rich epidemiological data on the health of the respondents are collected and made available for research purposes.

The University of Southern California Gateway to Global Aging Data team has created this codebook along with Harmonized LASI-DAD data files to facilitate cross-country comparisons across the international family of HCAP studies.

The Harmonized LASI-DAD initiative is part of a larger set of projects that aim to facilitate cross-country comparisons using data across the HRS-family of HCAP studies. With funding and support from the National Institute on Aging, we have also created Harmonized HRS (USA), 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/>.

We are grateful for the continuing support of and funding from the National Institute of Aging. In interpreting the LASI-DAD data, we greatly benefited from the help and insights of LASI-DAD staff members, particularly the All India Institute of Medical Sciences (AIIMS), International Institute of Population Sciences (IIPS), and National Institute of Mental Health and Neurosciences (NIMHANS). We have greatly benefited from the discussions with and the suggestions from our colleagues Eileen Crimmins, Arthur Toga, Arie Kapteyn, Urvashi Jain, Albert Weerman, Mary Ganguli, Judith Saxton, Perry Hu, David Weir, Kenneth Langa, Sara Adar, David Bloom, P. Arokiasamy, Alden Gross, Sharmistha Dey, and Mathew Varghese.

Requested Acknowledgment

We ask all users of the Harmonized LASI-DAD to please inform our team of any written analysis using data from the Harmonized LASI-DAD or information from the Harmonized LASI-DAD 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 December 2019 Harmonized LASI-DAD dataset and Codebook developed by the Gateway to Global Aging Data. The development of the Harmonized LASI-DAD was funded by the National Institute on Aging (R01AG051125). For more information, please refer to <https://g2aging.org/>."

LASI-DAD Version and Acknowledgment

This document uses Phases 1 and 2 of Wave I of LASI-DAD. LASI-DAD is the result of collaboration between the University of Southern California and the All India Institute of Medical Sciences, New Delhi. Other collaborators based at the All India Institute of Medical Sciences (AIIMS) provided expert advice on specific modules. Funding for the first wave of LASI-DAD has been provided by the National Institute of Aging (R01AG051125).

Contents

PREFACE	1
1. INTRODUCTION AND OVERVIEW	5
1.1 Gateway to Global Aging Data	9
1.2 Data File Structure	9
1.3 Variable Naming Convention.....	10
1.4 Missing Values, and Nonresponse.....	11
2. SAMPLE WEIGHTS.....	13
3. IMPUTATION.....	14
4. STRUCTURE OF CODEBOOK	17
5. DISTRIBUTION AND TECHNICAL NOTES	19
6. DATA CODEBOOK	20
SECTION A: DEMOGRAPHICS AND IDENTIFIERS	21
SECTION B: COGNITION	30
SECTION C: INFORMANT REPORT	138
SECTION D: PHYSICAL MEASURES	182
REFERENCES.....	220

1. Introduction and Overview

This codebook documents the Harmonized LASI-DAD data files, a streamlined collection of variables derived from the Longitudinal Aging Study in India, Diagnostic Assessment of Dementia (LASI-DAD). The main goal of LASI-DAD is to provide an interdisciplinary data resource with a focus on cognitive and physical health, and quality of life as people age. LASI-DAD derived variables include cognition variables, informant report variables, and physical measure variables. The Harmonized LASI-DAD data file also incorporates various demographic variables from the Harmonized LASI. Harmonized LASI-DAD does not include any data which is not publically released.

LASI-DAD is a sub-study of the ongoing, nationally representative survey Longitudinal Aging Study in India (LASI). The survey elicits in-depth cognitive tests, geriatric assessments, and informant interviews. The informant interview is completed by a person chosen by the respondent. Venous blood was also drawn and stored for future studies. The LASI-DAD aims to:

- Administer a series of cognitive tests to measure the cognitive ability of respondents
- Assess depressive mood and anxiety
- Gauge the respondent's ability to perform everyday activities of living independently or with help from family and friends
- Identify a close family member or friend and obtain this person's opinions about the respondent's cognitive ability and ability to carry out daily activities
- Conduct a simple geriatric assessment
- Draw 17 mL of blood

The LASI-DAD's target sample was older adults aged 60 years and above. To obtain national representation within budgetary constraints and to maintain quality supervision of fieldwork, we collaborated with 12 regional centers (RCs) for interviewer recruitment and fieldwork management. The All India Institute of Medical Sciences (AIIMS) in New Delhi was the nodal point that coordinated with and provided logistical support to all the other RCs.¹ Due to the proximity of these RCs, we selected the sample from 14 states across the country, including Assam, Delhi, Haryana, Jammu and Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh, and West Bengal.

As our aim was to study dementia risk, a simple random sampling of age-eligible LASI respondents would not yield enough cognitively impaired respondents to allow for a sufficiently

¹These centers include All India Institute of Medical Sciences, New Delhi; All India Institute of Medical Sciences, Bhubaneswar; Dr. SN Medical College, Jodhpur; Government Medical College, Thiruvananthapuram; Grant Medical College and J.J. Hospital, Mumbai; Guwahati Medical College, Guwahati; Institute of Medical Sciences, Banaras Hindu University, Varanasi; Madras Medical College, Chennai; Medical College, Kolkata; National Institute of Mental Health and Neurosciences, Bengaluru; Nizam's Institute of Medical Sciences, Hyderabad; and Sher-e-Kashmir Institute of Medical Sciences, Srinagar.

precise estimation of the relationship between dementia and its correlates. Therefore, we employed a two-stage stratified random sampling approach with oversampling of those at high risk of cognitive impairment to ensure sufficient numbers of respondents with dementia and mild cognitive impairment.

To accomplish this, we first classified respondents into those at high and at low risk of cognitive impairment based on the cognitive tests used in the main LASI study and on the proxy report for those who did not complete the cognitive tests. Specifically, to determine cognitive impairment risk, we grouped the LASI respondents into four groups based on age (60–69 and 70+) and education (no schooling and some education). We then defined cognitive impairment risk within age/education groups based on their relative performance on memory and non-memory cognitive tests, overall test performance, refusal or inability to participate in the cognitive tests, and proxy interviews in the main LASI. Respondents were classified as high risk if (1) their overall cognitive test performance in the main LASI was in the bottom tertile, (2) their memory score was in the bottom 15th percentile, (3) their non-memory cognitive scores were in the bottom 15th percentile, (4) the number of missing cognitive tests was in the top 15th percentile, or (5) their scores from the Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE), a widely used screening test for dementia, was 3.9 or higher. We then randomly drew the sample with about an equal number of those at high risk of cognitive impairment and those not at high risk.

As noted earlier, LASI-DAD is one study within a larger international effort to understand dementia risks through longitudinal studies on aging. This effort has been developed as the Harmonized Cognitive Assessment Protocol (HCAP). In order to measure the cognitive ability of the older Indian population, of which many are illiterate and innumerate, the project team carefully evaluated the HCAP protocol and modified it to suit the local context and target population. For example, the Mini Mental State Exam (MMSE) developed by Folstein, Folstein, and McHugh (1975) was replaced by the Hindi version of the MMSE (HMSE) developed by Ganguli et al. (1995). We further considered cognitive and neuropsychological test batteries developed by the National Institute of Mental Health and Neuro Sciences, Bengaluru, India, and consulted with other experts in the field, including geriatricians, community medicine experts, psychiatrists, cognitive psychologists, and members of the HRS–HCAP advisory group. Table 1 presents the tests selected for LASI-DAD, indicating those in common with HCAP and the tests unique to LASI-DAD.

LASI-DAD employs exactly the same informant interview protocol that is used in HRS-HCAP, including questions about the informant, particularly his/her relationship with the respondent and his/her own demographic characteristics; the Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE) (Jorm and Jacomb 1989); Blessed Parts 1 and 2 (Blessed, Tomlinson, and Roth 1968; Morris et al. 1989); questions about respondents' activities; and signs of cognitive impairment drawn from the 10/66 Brief Screener for Dementia (Prince et al. 2007).

Please refer Lee et al. (2019) for a more detailed description of the project protocol.

Table 1. Cognitive tests selected for LASI–DAD
 (*indicates HCAP protocol, + indicates unique in LASI-DAD)

Test Name	Description
HMSE (Ganguli et al. 1995)*	The HMSE is the Hindi translation and adaptation of the MMSE for screening the Hindi-speaking, illiterate rural elderly population. The HMSE (like the MMSE) assesses general cognitive status with measures of cognitive orientation, language, and memory. This test is often used in clinical and research settings to identify individuals with likely cognitive impairment or dementia.
TICS (Brandt, Spencer, and Folstein 1988)*	This section includes three questions from the HRS–TICS. This includes questions to identify two words (vocabulary) and naming the Prime Minister of India (replacing the HCAP question about the name of the U.S. President and Vice President). This measure is based on the full TICS.
Word learning and recall (CERAD 1987)*	This test presents 10 high-imagery words for 2 seconds each. The respondent hears each word and repeats it aloud as it is presented and is then tested on immediate recall ability. The same list of words is presented to the respondent three times in different orders; after each presentation, the respondent is asked to recall as many words as possible. In addition to correct recall responses, the number of intrusions (words not on the list) are also recorded. We do the delayed recall 5 minutes after the first administration.
Digit span forward and backward (Wechsler 1997)*	A list of random numbers is read out loud at the rate of one per second. Subjects listen to the series of single-digit numbers and are asked to repeat them back in the same order they were given. At the end of a sequence, they are asked to recall the items in reverse of the presented order.
Symbol cancellation (Lowery et al. 2004)*	This test assesses attention and speed, specifically in the illiterate population. Subjects are given a sheet with different symbols. They are then shown a specific symbol, which is present among the different symbols in the sheet, and are asked to scan the sheet as quickly as possible (in a minute) and circle the symbol shown to them. Scores include the number of correctly and incorrectly circled symbols.
Logical memory (Wechsler 2009)*	This section involves the reading of stories to the respondent and is scored based on the number of story points the respondent can immediately recall after hearing each story. The first story read to the respondent is the Brave Man story, included in many dementia studies around the world. The second story read to the respondent is one of two from the Wechsler Memory Scale (WMS-IV).
Constructional praxis (with delayed recall)	The constructional praxis tests the subject’s ability to copy four geometric forms of varying difficulty shown on a sheet of paper (circle, overlapping rectangles, diamond, and cube). In the delayed recall test, the subjects are

(Rosen, Mohs, and Davis 1984)*	asked to recall these shapes and draw them from memory after some time.
Retrieval fluency (Woodcock, McGrew, and Mather 2001)*	To assess verbal reasoning and processing speed, respondents are asked to name as many animals as possible in a minute. This test was adapted by McArdle and Woodcock from the Woodcock Johnson Test III Tests of Achievement.
Serial 7s (Folstein, Folstein & McHugh, 1975)*	In this test, the respondent is asked to subtract seven from 100 in the first step and then asked to continue subtracting seven from the previous result in each subsequent step. Each subtraction is scored separately. This test is also part of the MMSE.
CSI-D (Hall, Hendrie, and Brittain 1993)*	This series of questions derives from the 10/66 and Community Screening Interview for Dementia (CSI-D) surveys to assess cognitive impairment and dementia. The questions evaluate language, knowledge, and the ability to follow directions.
Raven's test (Raven 2000)*	This test evaluates picture-based pattern reasoning of varying difficulty. Each question presents a geometric picture with a small section that appears to have been cut out. The respondent is shown a set of smaller pictures that fit the missing piece and is asked to identify the one that correctly completes the pattern. We follow HRS–HCAP wherein they have selected a subset of 17 questions out of the 60 in the full test, including one practice question.
Go–No Go (Gomez, Ratcliff, and Perea 2007)+	In this test, the respondent is given a task in which stimuli are presented in a continuous stream and participants perform a binary decision on each stimulus. One of the outcomes requires participants to make a motor response (go), whereas the other requires participants to withhold a response (no go). Accuracy is measured for each event.
Hand movement sequencing test (Mattis 1988)+	In this test, the subject is shown hand-sequencing movements and is asked to repeat the action shown. The test is adopted from Hindi hand-sequencing movements, which were adapted from Mattis dementia rating scales.
Token test (De Renzi and Vignolo 1962)+	The subject is presented with a show card with tokens of different shapes, sizes, and colors. He/she is given verbal commands like touching the different colored tokens, different shapes, one shape or color before the other, etc. The commands start with simple tasks and progresses to more complex ones.
Judgment & problem solving (Morris, 1993)+	The subject is asked to (1) identify similarities and differences between things and (2) describe what s/he would do if s/he found a lost child on the road.

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 in other regions for the world as population aging progresses.

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 from the results of 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 presents them in graphs and tables that can be downloaded.

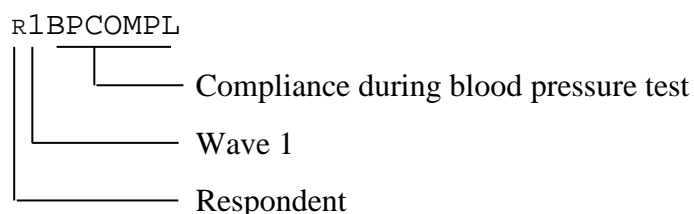
The Gateway can be accessed at <https://g2aging.org/>. For more information about using the Gateway visit the Help page.

1.2 Data File Structure

The Harmonized LASI-DAD data are contained in a single file. 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 identifier PRIM_KEY. Households are identified by HHID.

1.3 Variable Naming Convention

With a few exceptions, variable names in the Harmonized LASI-DAD Data follow a consistent pattern. The first character indicates whether the variable refers to the reference person (“R”) or the household (“H”).² The second character indicates the wave to which the variable pertains: “1” or “A”. The “A” indicates “all,” i.e., the variable is not specific to any single wave. An example is RABYEAR, the birth year of the respondent. The remaining characters describe the concept that the variable captures. For example:



Variable R1BPCOMPL captures the respondent’s compliance during the blood pressure test.

In the text below, we may refer to variables by substituting a “w” in for the specific wave number. For example, consider R_wBPCOMPL; this reference points at the group of variables that follow the same pattern as R1BPCOMPL.

Variable labels also follow a consistent pattern. The first characters denote the name of the variable, followed by a colon. Then the wave to which the variable pertains follows (for example, “w1” refers to wave 1). The remainder of the label describes the concept that the variable captures. For example, the variable label of R1BPCOMPL is:

```
r1bpcompl:w1 r compliance during blood pressure test
```

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

Variable names in the Harmonized LASI-DAD are generally based on the variable name used in the RAND HRS or in the Harmonized LASI for the same measure. Measures that are exactly or near-exactly comparable between the Harmonized LASI-DAD, RAND HRS or Harmonized LASI

² The reference person need not be the person who responded to the question. It is the person whose information is central to the data file observation.

use the exact same name. For instance, RABYEAR is the variable name for the respondent's birth year in the Harmonized LASI-DAD, as well as in the RAND HRS and Harmonized LASI. If the Harmonized LASI-DAD measure is deemed only somewhat comparable with the RAND HRS or Harmonized LASI version of that measure, the variable name in the Harmonized LASI-DAD will often end in “_D.” This variable name suffix indicates some LASI-DAD-specific difference with the RAND HRS or Harmonized LASI version of this measure. Reasons for Harmonized LASI-DAD-specific variable names include: differences in survey questions, differences in survey routing, and whether both sets of variables use imputed values. Harmonized LASI-DAD-specific variable names are used to notify the user that (i) there are substantial differences between the Harmonized LASI-DAD measure and the RAND HRS or Harmonized LASI measures and (ii) clean harmonization between these measures is not possible.

Users should always check the “Differences with LASI” section of each measure before comparing any Harmonized LASI-DAD measure to the Harmonized LASI version of the same measures or any other Harmonized Dataset version of the same measure.

1.4 Missing Values, and Nonresponse

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

Table 1. Missing Codes

Code	Reason for missing
.	Reference person did not respond to this wave
.d	Don't know
.r	Refused
.n	Not Assessed
.m	Missing
.p	Proxy
.h	Not interviewed
.s	Skipped
.c	Cannot count
.l	Cannot read or write

Note: The special missing code .n, not assessed, was marked only if the respondent has some physical disability that prevented him or her from performing the test. As examples, .n is assigned if the respondent is blind and hence could not complete the task that involved seeing figures, if he/she is paralyzed and hence could not draw or write in the given task, or if he/she has a hearing disability and the test in question involves spoken directions. The missing code .n is not assigned if the main reason for not performing a cognition test is a physical disability that

is unrelated to the respondent's cognition ability. Consult the Data Codebook for details on individual variables.

2. Sample Weights

LASI-DAD sample weights are meant to account for differential selection probabilities produced by the adopted sampling strategy, and to adjust for differential non-response across sampled individuals.

Sample weights are constructed in two steps. In the first step, a design weight is generated as follows. Let i indicate an individual and $r = \{low, high\}$ low or high risk of cognitive impairment. Let N_r^{LASI} and $N_r^{LASI-DAD}$ indicate the number of individuals with low ($r = low$) and high risk ($r = high$) in the LASI and LASI-DAD samples, respectively. The design weight, w_{ir}^{design} , is defined as:

$$w_{ir}^{design} = N_r^{LASI} / N_r^{LASI-DAD} \text{ for } r = \{low, high\}$$

This design weight accounts for the chosen equal probability of selection of LASI respondents with low and high risk of cognitive impairment into the LASI-DAD.

In the second step, post-stratification weights are generated by means of a raking algorithm starting from the aforementioned design weights. The goal of this procedure is to align the weighted distributions of specific socio-demographic variables in the LASI-DAD survey sample to their population counterparts. Specifically, the set of socio-demographic variables used as raking factors includes: gender (Male/Female) \times age (60-69/70+), gender \times literacy (Literate/Illiterate), and location (Rural/Urban). Hence, the resulting post-stratification weights allow the sample distributions of age and literacy, overall and separately for men and women, and the distribution of rural versus urban residency to match exactly their population benchmarks and, therefore, correct for differential non-response along such dimensions. Benchmark distributions are taken from the Indian Census 2011 and refer to the population of individuals aged 60 and above in all 14 LASI-DAD states.

Let w_i^{post} the post-stratification weight for respondent i , obtained by applying the raking algorithm to the design weights as described above. The provided LASI-DAD final post-stratification weights, w_i^{final} , are expressed relative to their sample mean. That is:

$$w_i^{final} = \frac{w_i^{post}}{\left(\frac{1}{N^{LASI-DAD}} \sum_{j=1}^{N^{LASI-DAD}} w_j^{post} \right)}$$

where $N^{LASI-DAD}$ is the LASI-DAD sample size. Thus, final LASI-DAD weights sum to the LASI-DAD sample size and average to 1.

3. Imputation

When cognitive scores on tested items are missing, this poses a problem. A single missing item makes all summary scores that depend on it also missing, so even a small fraction of missings in each tested item can lead to a large fraction of observations that are missing summary scores measures which would arguably be more interesting to most researchers. Therefore, as is common in survey data, we *impute* most missing observations. The goal of imputation is to replace the missing values with random draws from a conditional distribution such that the estimated joint distribution from the completed (imputed) data is an unbiased estimator of the true joint distribution of these variables (e.g., Little & Rubin, 2002, sec. 10.2.1; Lee et al., 2015, sec. 2).

We imputed the cognitive test variables and the informant reports about the individuals' cognitive decline. However, some tests were only administered to specific sub-samples, such as those surveyed in phase 2 of the data collection, or literate respondents, and illiterate respondents. We have not imputed these for the samples that the variables were not administered to. Moreover, in some cases, a certain answer on one question led to a skip of a later question, and the imputations follow such skip patterns. For example, if the imputation of the first trial in the 3-word recall test is 3, then the second and third trials logically follow as skips (.s). For the cognitive test items, we have recoded "don't know" (.d) as incorrect (0). There are some indications that other missings, especially "refuse" (.r) may also sometimes indicate that the respondent does not know the correct answer, but because we cannot be sure about this, we have imputed these in the regular way. In the JORM IQCODE scale, the informant can indicate that the respondent does not do certain things, which is coded as "not applicable" (.n). For example, when asked whether the individual has more problems than before learning how to use new gadgets, this answer would be given if the person has not obtained any new gadgets. We have imputed such cases as well, based on the rationale that these items were intended to measure cognitive decline and that imputing this allows us to compute a summary score of cognitive decline for the JORM scale as a whole, but if a researcher is interested in the literal meaning of a question like this, then it may be better to not use the imputations of such a question. Analogously, we have imputed the serial 7s score for individuals who cannot count, even though strictly speaking the individual gave no correct answers and would not be able to do this; however, when viewed as a test of processing speed and attention, a score of 0 for such individuals would not reflect their cognitive status well.

The imputation method we have implemented was inspired by the imputations of cognition variables in the HRS (Fisher et al., 2017). It is also similar to the method used in SHARE (De Luca et al., 2015, although they use a simpler method for variables with few missing values). We specified a regression model for each cognition variable as a function of the other cognition variables and a rich set of background variables: health, demographics, and socio-economic characteristics. The regression model specifies the conditional distribution of the variable that must be imputed as a function of the regressors, and the imputations are pseudo-random draws from this conditional distribution. Take, for example, a binary variable such as whether

the respondent correctly answered the question about what year it is. Let this variable be y and the regressors be collected in the vector \mathbf{x} . We specified a logistic regression model for y as a function of \mathbf{x} :

$$\Pr(y_i = 1|\mathbf{x}_i) = p_i = \frac{e^{\mathbf{x}_i\beta}}{1+e^{\mathbf{x}_i\beta}}$$

This was estimated on the sample where y_i is observed. Then we generated a pseudo-random draw u_i from a uniform distribution on the interval (0,1) and for the sample where y_i was missing, we computed p_i and imputed $y_i = 1$ if $u_i \leq p_i$ and $y_i = 0$ otherwise. For binary variables, we used (binary) logistic regression (i.e., logit) models; for ordinal variables, we used ordered logit; for count variables, we used negative binomial regression; and for unordered categorical variables, we used multinomial logit.

Because respondents can have multiple cognition variables missings, one or more of the regressors in \mathbf{x} could themselves be missing. These needed to be imputed first. Like HRS and SHARE, we used chained imputation (also known as fully conditional specification; Ragunathan et al., 2001; Van Buuren et al., 2006). This cycles over the cognition variables, in which each of them is imputed in turn, with the other cognition variables and background variables as regressors, and then repeats this cycle multiple times. We used one cycle to initialize the chain and 10 cycles (iterations) to update the imputations. Cycling over all cognition variables and background variables at the same time would be rather daunting, and therefore, we have followed the HRS's lead and imputed blocks of variables sequentially, in the following order:

1. Time-invariant demographics from the core survey
2. Wave-specific demographics from the core survey
3. Health variables from the core survey
4. Cognition variables from the core survey
5. Demographics in LASI-DAD
6. Health variables in LASI-DAD (mostly informant reports)
7. Cognition tests and informant reports in LASI-DAD

We also used the income and wealth imputations from the core survey, categorized into quintiles, as regressors for the health and cognition variables. See the codebook of the core survey for a description of how these imputations were obtained. There are few missing variables in demographics, and they are often strongly related to other demographics variables. Therefore, these were imputed using simple methods, typically, using only the conditional distribution given one other categorical variable. In general, the purpose of the imputations in steps 1-6 was to obtain regressors without missing values, and they often used simpler methods than for the cognition tests and informant reports. Hence, we have not included these imputations in the dataset.

In many cases, we did not use all items of a scale separately as regressors, but used summary scores (aggregates) instead. For example, when imputing a word recall item, we used the total

number correct in the orientation to place scale (0-5) instead of all five items separately. An exception is that when imputing an item within a scale, we used the other items separately, so when imputing the “city” variable, we used the state, name, address, and floor variables separately as regressors. Some variables from the core survey were omitted from the imputation models if they had analogs in the DAD survey itself; for example, we used the number of ADLs in the core to impute the ADLs in DAD, but we only included the number of ADLs in DAD as a regressor for the cognition variables and not the number of ADLs in the core survey.

Even with all these aggregations and simplifications, the number of regressors in the cognition models was very large (about 100), which sometimes caused numerical problems. If this happened, we first dropped a few variables that often caused problems because of collinearities, and if this did not work either, we used a much smaller set of high-level aggregates. These high-level aggregates were obtained by grouping the regressors in a few sets (socio-economic status, physical health, mental health, activities, and five sets of cognition variables) and using the first principal component of each set, in addition to the respondent’s gender and age group.

There are numerous implementation details that are not discussed here. We will provide these, and relevant Stata code, upon request.

With each imputed variable, the dataset also includes an imputation flag, which has the same code as the nonimputed variable if the latter was missing, and 1 if the nonimputed variable was not missing. Hence, users who do not want to use our imputations, or who wish to perform nonresponse analyses, can reconstruct the nonimputed variables from these.

4. Structure of Codebook

The Data Codebook contains the codebook documenting all variables in the Harmonized LASI-DAD 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.

Blood Pressure Measurements						
Wave	Variable	Label		Type		
1	R1BPCOMPL	rlbpcmpl:w1 r compliance during blood pressure test		Categ		
Descriptive Statistics						
Variable	N	Mean	Std Dev	Minimum	Maximum	
R1BPCOMPL	3180	1.01	0.14	1.00	3.00	
Categorical Variable Code						
Value-----		R1BPCOMPL				
.d:DK		1				
.h:Not interviewed		9				
.m:Missing		22				
.s:Skipped		12				
1.Fully compliant		3152				
2.Prevented from being fully compliant		16				
3.Not fully compliant		12				
How Constructed						
RwBPCOMPL indicates how compliant the respondent was for the blood pressure tests. RwBPCOMPL is coded as follows: 1.fully compliant, 2.prevented from fully complying due to illness, pain, or other symptoms or discomfort, and 3.not fully compliant. Special missing .s is employed if the questions were skipped because the respondent did not understand the directions or was unwilling to participate in the blood pressure measurement, or if the respondent had a rash, a cast, edema, open sores or wounds, or a significant bruise where the blood pressure cuff would be in contact. Other missing responses are assigned special missing codes .m.						
Cross Wave Differences in DAD						
No differences known.						
Differences with Harmonized LASI						
No differences known.						
DAD Variables Used						
Wave 1 GA:						
	GA122	HOW COMPLIANT DURING TEST				

- ① *Title*: The variables are documented in groups according to the concept that they measure. For example, the variables related to compliance during the blood pressure test corresponds to one wave and to the respondent. The title is often followed by a short description of the concept that is captured.
- ② *Variable Names*: This entry shows the waves of variables in the group. Not all waves are present for all variables.
- ③ *Variable Labels*: This entry shows the Stata variable labels. As discussed above, the labels typically include the name of the variable, the file on which it is present, and a description of its contents.
- ④ *Variable Type*: This entry indicates the type of variable. It may be continuous (Cont), categorical (Categ), or character (Char).
- ⑤ *Descriptive Statistics*: This entry shows descriptive statistics on each variable. They include the number of nonmissing values, the mean, standard deviation, minimum value, and maximum value.
- ⑥ *Categorical Value Codes*: This entry shows the value label codes. These are only relevant for categorical variables. The first character(s) of the value labels indicate the value to which each label has been assigned. For example, value “1” is mapped into “1. fully compliant” (not just “fully compliant”). 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 DAD*: This entry briefly describes differences in question wording or contents between interview waves.
- ⑨ *Differences with Harmonized LASI*: This entry describes any differences between the Harmonized LASI version of the variable and the Harmonized LASI-DAD version of the variable. It is imperative these differences are understood when using harmonized measures.
- ⑩ *DAD Variables Used*: This entry provides the names and labels of raw LASI-DAD variables that were used to construct the new variables.

5. Distribution and Technical Notes

The Harmonized LASI-DAD Data file is distributed on the Gateway to Global Aging Data (<https://g2aging.org/>) website along with the original LASI-DAD data. The Harmonized LASI-DAD Data file is made available free of charge but only to users who register with the Gateway to Global Aging Data and agree to the standard conditions. For more information on obtaining access to the LASI-DAD data visit: <https://g2aging.org/>.

The Harmonized LASI-DAD Data file is distributed in Stata, SAS, SPSS, and tab delimited dataset formats.

This is Early Release Version **A** of the Harmonized LASI-DAD Data.

A copy of the Harmonized LASI-DAD dataset and a copy of this Harmonized LASI-DAD Codebook can be obtained on the Gateway to Global Aging Data (<https://g2aging.org/>) under the Download tab.

6. Data Codebook

Section A: Demographics and Identifiers

Interview Date: Year and Month

Wave	Variable	Label	Type
1	R1IWY_D	rliwy_d:w1 r year of DAD interview	Cont
1	R1IWM_D	rliwm_d:w1 r month of DAD interview	Cont
1	R1LASIDY	rllasidy:w1 r # days between LASI and DAD interview	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IWY_D	3224	2018.23	0.59	2017.00	2019.00
R1IWM_D	3224	5.25	3.98	1.00	12.00
R1LASIDY	3224	208.35	131.94	9.00	657.00

How Constructed

RwIWY_D and RwIWM_D indicate the respondent's DAD interview year and month, respectively. RwIWY_D and RwIWM_D are assigned plain missing (.) if the respondent did not participate in the current wave.

RwLASIDY indicates the number of days between the DAD interview and the LASI interview. RwLASIDY is assigned plain missing (.) if the respondent did not participate in the current wave.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 Cog:
 BEGINTIME timestamp start

Age at Interview

Wave Variable	Label	Type
1 R1AGEY	rlagey:w1 r age (years) at ivw, cleaned	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1AGEY	3224	69.30	7.71	60.00	104.00

How Constructed

RwAGEY is the respondent's age in years at the time of the current wave's interview. The respondent's age in years is derived through the CAPI. RwAGEY is set to plain missing (.) for respondents who did not respond to any waves.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

Gender

Wave Variable	Label	Type
1 RAGENDER	ragender: r Gender	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAGENDER	3224	1.54	0.50	1.00	2.00

Categorical Variable Codes

Value-----	RAGENDER
1.Male	1487
2.Female	1737

How Constructed

RAGENDER indicates the respondent's gender. RAGENDER is coded as follows: 1.Male and 2.Female.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 Cog:
 RGENDER respondent gender

State/Union Territory

Wave	Variable	Label	Type
1	R1STATEID	rlstateid: r interview state	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1STATEID	3224	20.80	10.72	1.00	36.00

Categorical Variable Codes

Value-----	R1STATEID
1.Jammu & Kashmir	152
6.Haryana	209
7.Delhi	141
8.Rajasthan	250
9.Uttar Pradesh	216
18.Assam	200
19.West Bengal	298
21.Orissa	252
23.Madhya Pradesh	100
27.Maharashtra	300
29.Karnataka	251
32.Kerala	350
33.Tamil Nadu	300
36.Telangana	205

How Constructed

RwSTATEID indicates the Indian state or union territory where the respondent lives. The corresponding codes of India's states are based on census data.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 Cog:	
STATEID	state id

Interview Language

Wave	Variable	Label	Type
1	R1LANG_D	r1lang_d:w1 r language of interview	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LANG_D	3224	8.59	6.57	1.00	19.00

Categorical Variable Codes

Value-----	R1LANG_D
1.English	10
2.Hindi	1018
3.Kannada	244
5.Malayalam	349
7.Tamil	299
11.Urdu	152
15.Bengali	294
16.Assamese	199
17.Odiya	252
18.Marathi	218
19.Telugu	189

How Constructed

RwLANG_D indicates the language that the respondent used for the interview. RwLANG_D is coded as follows: 1.English, 2.Hindi, 3.Kannada, 4.Konkani, 5.Malayalam, 6.Gujarati, 7.Tamil, 8.Punjabi, 9.Manipuri, 10.Mizo, 11.Urdu, 12.Nepali, 13.Garo, 14.khasi, 15.Bengali, 16.Assamese, 17.Odiya, 18.Marathi, 19.Telugu. Don't know, refused, or other missing responses of RwLANG_D are set to .d, .r and .m, respectively. RwLANG_D is set to plain missing (.) if the respondent did not participate in the current wave.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 Cog:
LANGUAGE_IW iwer checkpoint: iw language

Location of interview

Wave	Variable	Label	Type
1	R1LOCATION	rllocation:w1 r location of interview	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LOCATION	3221	1.90	0.30	1.00	2.00

Categorical Variable Codes

Value-----	R1LOCATION
.r:Refuse	3
1.Hospital	315
2.Home visit	2906

How Constructed

RwLOCATION indicates whether the interview was conducted at a hospital or at the home of the respondent. 1 indicates that the interview was conducted at a hospital. 2 indicates that the interview was a home visit. Special missing .r is assigned if the respondent refused to be interviewed.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 Cog:
 LOCATION location of interview

Weights

Wave Variable	Label	Type
1 R1WTRESP	rlwtresp:w1 r post-stratification weight	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WTRESP	3224	1.00	0.45	0.38	2.79

How Constructed

R1WTRESP is the person-level cross-sectional weight. The weight is provided to make the data a nationally representative sample.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 Cog:	
POSTSTRAT_W	post-stratification weight

Section B: Cognition

Self-rated Abilities

Wave	Variable	Label	Type
1	R1I_HEAR	rli_hear:w1 R whether any difficulty hearing or seeing(0-3)	Categ
1	R1I_SLEEP	rli_sleep:w1 R self rated sleep quality,last night(1-5)	Categ
1	R1I_MEMORY	rli_memory:w1 R self rated memory,present time(1-5)	Categ
1	R1I_COMPMEM	rli_compmem:w1 R self rated memory compared to two years ago	Categ
1	R1I_MENABIL	rli_menabil:w1 R self rated mental abilities(1-5)	Categ
1	R1I_COMPABIL	rli_compabil:w1 R self rated mental abilities to two years a	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1I_HEAR	1629	1.24	1.18	0.00	3.00
R1I_SLEEP	1625	2.69	0.95	1.00	5.00
R1I_MEMORY	1617	2.86	0.90	1.00	5.00
R1I_COMPMEM	1618	2.49	0.58	1.00	3.00
R1I_MENABIL	1366	2.87	0.86	1.00	5.00
R1I_COMPABIL	1613	2.42	0.60	1.00	3.00

Categorical Variable Codes

Value-----	R1I_HEAR
.d:DK	1
.m:Missing	1
.r:Refuse	6
.x:Not in phase/wave	1587
0.No difficulty	679
1.Difficulty hearing	170
2.Difficulty seeing	483
3.Difficulty hearing & seeing	297

Value-----	R1I_SLEEP
.d:DK	4
.m:Missing	1
.r:Refuse	7
.x:Not in phase/wave	1587
1.Very good	109
2.Good	697
3.Average	460
4.Poor	310
5.Very poor	49

Value-----	R1I_MEMORY
.d:DK	8
.m:Missing	1
.r:Refuse	11
.x:Not in phase/wave	1587
1.Very good	70
2.Good	514
3.Average	664

4.Poor	312
5.Very poor	57
Value-----	R1I_COMPMEM
.d:DK	8
.m:Missing	1
.r:Refuse	10
.x:Not in phase/wave	1587
1.Better now	67
2.Sbout the same	697
3.Worse now than it was then	854
Value-----	R1I_MENABIL
.d:DK	16
.m:Missing	246
.r:Refuse	9
.x:Not in phase/wave	1587
1.Very good	37
2.Good	463
3.Average	545
4.Poor	284
5.Very poor	37
Value-----	R1I_COMPABIL
.d:DK	13
.m:Missing	1
.r:Refuse	10
.x:Not in phase/wave	1587
1.Better now	97
2.Sbout the same	734
3.Worse now than it was then	782

How Constructed

RwI_HEAR indicates whether the respondent has any difficulty in hearing or seeing. RwI_HEAR is coded as follows: 0.No difficulty, 1.Difficulty hearing, 2.Difficulty seeing, and 3.Difficulty hearing and seeing.

RwI_SLEEP indicates how the respondent self-reported his/her sleep quality the night before. RwI_SLEEP is coded as follows: 1.Very good, 2.Good, 3.Average, 4.Poor, and 5.Very poor.

RwI_MEMORY indicates how the respondent self-reported his/her memory at the present interview. RwI_MEMORY is coded as follows: 1.Very good, 2.Good, 3.Average, 4.Poor, and 5.Very poor.

RwI_COMPMEM indicates how the respondent would compare his/her memory at the time of the current interview to two years ago. RwI_COMPMEM is coded as follows: 1.Better now, 2.About the same, and 3.Worse now than it was then.

RwI_MENABIL indicates how the respondent self-reported his/her mental abilities, such as thinking clearly and solving problems. RwI_MENABIL is coded as follows: 1.Very good, 2.Good, 3.Average, 4.Poor, and 5.Very poor.

RwI_COMPABIL indicates how the respondent would compare his/her mental abilities, such as thinking clearly and solving problems, at the time of the current interview to two years ago. RwI_COMPABIL is coded as follows: 1.Better now, 2.About the same, and 3.Worse now than it was then.

These questions were asked starting in phase 2 of the data collection. Special missing includes (.r) refused, (.d) don't know, (.x) not in phase/wave, and (.m) other missing.

Cross Wave Differences in DAD

These questions were added starting in phase 2 of the data collection.

Differences with HRS HCAP

This series of questions was not asked in HRS HCAP.

Differences with Harmonized LASI

This series of questions was not asked in LASI.

DAD Variables Used

Wave 1 Cog:

COGVAL_101B	rating sleep quality
COGVAL_101C	rating current memory
COGVAL_101D	compared to two years ago, memory is
COGVAL_101E	rating of other mental abilities
COGVAL_101F	compared to two years ago, other mental abilit
INTRO_101S1	respondent iw introduction 1 yes, difficulty
INTRO_101S2	respondent iw introduction 2 yes, difficulty
INTRO_101S3	respondent iw introduction 3 none

Date Naming

Wave	Variable	Label	Type
1	R1MO	rlmo:w1 R cognition date naming-month(0-1)	Categ
1	R1FMO	rlfmo:impflag w1 r whether imputed value	Categ
1	R1YR	rlyr:w1 R cognition date naming-year(0-1)	Categ
1	R1FYR	rlfyr:impflag w1 r whether imputed value	Categ
1	R1DW	rldw:w1 R cognition date naming-day of week(0-1)	Categ
1	R1FDW	rlfdw:impflag w1 r whether imputed value	Categ
1	R1SEASON	rlseason:w1 R cognition date naming-season(0-1)	Categ
1	R1FSEASON	rlfseason:impflag w1 r whether imputed value	Categ
1	R1DATE	rldate:w1 R cognition date naming-date(0-1)	Categ
1	R1FDATE	rlfdate:impflag w1 r whether imputed value	Categ
1	R1ORIENT_T5	rlorient_t5:w1 R orientation to time(0-5)	Categ
1	R1ORIENT_T4	rlorient_t4:w1 R orientation to time(0-4)- comparable w LASI	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MO	3224	0.82	0.38	0.00	1.00
R1FMO	3224	0.20	0.65	0.00	4.00
R1YR	3224	0.49	0.50	0.00	1.00
R1FYR	3224	0.61	1.04	0.00	4.00
R1DW	3224	0.83	0.37	0.00	1.00
R1FDW	3224	0.18	0.69	0.00	4.00
R1SEASON	3224	0.83	0.37	0.00	1.00
R1FSEASON	3224	0.14	0.53	0.00	4.00
R1DATE	3224	0.64	0.48	0.00	1.00
R1FDATE	3224	0.36	0.83	0.00	4.00
R1ORIENT_T5	3224	3.62	1.46	0.00	5.00
R1ORIENT_T4	3224	2.79	1.28	0.00	4.00

Categorical Variable Codes

Value-----	R1MO
0.Incorrect	572

1. Correct	2652
Value-----	R1FMO
0. Not imputed	2833
1. Dont know	273
2. Missing	2
3. Not Assessed	91
4. Refused	25
Value-----	R1YR
0. Incorrect	1638
1. Correct	1586
Value-----	R1FYR
0. Not imputed	2117
1. Dont know	687
2. Missing	2
3. Not Assessed	388
4. Refused	30
Value-----	R1DW
0. Incorrect	540
1. Correct	2684
Value-----	R1FDW
0. Not imputed	2952
1. Dont know	123
2. Missing	2
3. Not Assessed	122
4. Refused	25
Value-----	R1SEASON
0. Incorrect	538
1. Correct	2686
Value-----	R1FSEASON
0. Not imputed	2934
1. Dont know	220
2. Missing	2
3. Not Assessed	48
4. Refused	20
Value-----	R1DATE
0. Incorrect	1146
1. Correct	2078
Value-----	R1FDATE
0. Not imputed	2521
1. Dont know	483
2. Missing	2
3. Not Assessed	193
4. Refused	25
Value-----	R1ORIENT_T5
0	122
1	227
2	393
3	499
4	739
5	1244
Value-----	R1ORIENT_T4
0	230
1	384
2	523
3	778
4	1309

How Constructed

The following variables indicate whether the respondent was able to report today's date correctly.

RwMO indicates whether a respondent was able to report the month correctly. RwYR indicates whether a respondent was able to report the year correctly. RwdW indicates whether a respondent was able to report the day of the week correctly. RwSEASON indicates whether a respondent was able to report the season of the year correctly. RwDATE indicates whether a respondent was able to report the date correctly.

RwMO, RwYR, RwdW, RwSEASON, and RwDATE are coded as 1 if the respondent correctly reports the value. RwMO, RwYR, RwdW, RwSEASON, and RwDATE are coded as 0 if the respondent incorrectly reports the value. Don't know responses are coded as special missing (.d). Refused responses are coded as special missing codes (.r). Other missing is assigned special missing (.m). "Not Assessed" responses are coded as special missing (.n). "Not assessed" is assigned when the test was not administered due to a respondent's physical disability or technical issues.

RwORIENT_T5 is the summary measure for RwYR, RwSEASON, RwDATE, RwdW, and RwMO ranging from 0 to 5. 5 indicates all correct answers. If RwYR, RwSEASON, RwDATE, RwdW, and RwMO are assigned special missing (.d), (.n), (.r), or (.m), RwORIENT_T5 is assigned special missing (.d), (.n), (.r), or (.m), respectively.

RwORIENT_T4 is the summary measure for RwYR, RwDATE, RwdW, and RwMO ranging from 0 to 4. 4 indicates all correct answers. This measure is comparable with the measures from the main LASI study. If RwYR, RwDATE, RwdW, and RwMO are assigned special missing (.d), (.n), (.r), or (.m), RwORIENT_T4 is assigned special missing (.d), (.n), (.r), or (.m), respectively.

RwFMO, RwFYR, RwfDW, RwfSEASON, and RwfDATE are flag variables, indicating whether the corresponding variable was assigned an imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

No differences known.

Differences with Harmonized LASI

In the Harmonized LASI, only 4 questions were asked: day of month, month, year, and day of week (RwdW, RwMO, RwYR, and RwdW). In DAD, there are 5 questions: day of month, month, year, date, and season (RwdW, RwMO, RwYR, RwDATE, and RwSEASON).

DAD Variables Used

Wave 1 Cog:

MMSE102_YEAR	correct year
MMSE103_SEASON	current season of the year--correct
MMSE104_DATE	date correct
MMSE105_DAY	current day of the week--correct
MMSE106_MONTH	current month--correct

Location Naming

Wave	Variable	Label	Type
1	R1STATE	rlstate:w1 R cognition place naming-state(0-1)	Categ
1	R1FSTATE	rlfstate:impflag w1 r whether imputed value	Categ
1	R1CITY	rlcity:w1 R cognition place naming-city(0-1)	Categ
1	R1FCITY	rlfcity:impflag w1 r whether imputed value	Categ
1	R1FLOOR	rlffloor:w1 R cognition place naming-floor(0-1)	Categ
1	R1FFLOOR	rlfffloor:impflag w1 r whether imputed value	Categ
1	R1NAME	rlname:w1 R cognition place naming-name of place/hospital(0-	Categ
1	R1FNAME	rlfname:impflag w1 r whether imputed value	Categ
1	R1ADDRESS	rladdress:w1 R cognition place naming-address(0-1)	Categ
1	R1FADDRESS	rlfaddress:impflag w1 r whether imputed value	Categ
1	R1ORIENT_P5	rlorient_p5:w1 R orientation to place(0-5)	Categ
1	R1ORIENT_P4	rlorient_p4:w1 R orientation to place(0-4)-comparable w LASI	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1STATE	3224	0.61	0.49	0.00	1.00
R1FSTATE	3224	0.36	0.82	0.00	4.00
R1CITY	3224	0.94	0.23	0.00	1.00
R1FCITY	3224	0.09	0.50	0.00	4.00
R1FLOOR	3224	0.90	0.29	0.00	1.00
R1FFLOOR	3224	0.10	0.52	0.00	4.00
R1NAME	3224	0.77	0.42	0.00	1.00
R1FNAME	3224	0.22	0.67	0.00	4.00
R1ADDRESS	3224	0.88	0.33	0.00	1.00
R1FADDRESS	3224	0.18	0.65	0.00	4.00
R1ORIENT_P5	3224	4.11	1.12	0.00	5.00
R1ORIENT_P4	3224	3.20	1.01	0.00	4.00

Categorical Variable Codes

Value-----	R1STATE
0.Incorrect	1262

1. Correct	1962
Value-----	R1FSTATE
0. Not imputed	2506
1. Dont know	506
2. Missing	2
3. Not Assessed	185
4. Refused	25
Value-----	R1CITY
0. Incorrect	181
1. Correct	3043
Value-----	R1FCITY
0. Not imputed	3083
1. Dont know	70
2. Missing	2
3. Not Assessed	48
4. Refused	21
Value-----	R1FLOOR
0. Incorrect	307
1. Correct	2917
Value-----	R1FFLOOR
0. Not imputed	3067
1. Dont know	83
2. Missing	2
3. Not Assessed	50
4. Refused	22
Value-----	R1NAME
0. Incorrect	734
1. Correct	2490
Value-----	R1FNAME
0. Not imputed	2773
1. Dont know	327
2. Missing	2
3. Not Assessed	96
4. Refused	26
Value-----	R1ADDRESS
0. Incorrect	396
1. Correct	2828
Value-----	R1FADDRESS
0. Not imputed	2923
1. Dont know	178
2. Missing	2
3. Not Assessed	97
4. Refused	24
Value-----	R1ORIENT_P5
0	37
1	62
2	214
3	491
4	823
5	1597
Value-----	R1ORIENT_P4
0	56
1	191
2	486
3	804
4	1687

How Constructed

The following variables indicate whether the respondent was able to correctly report his/her current location.

RwSTATE indicates whether a respondent was able to report the state he/she were in when interviewed. RwcITY indicates whether a respondent was able to report the city or village he/she were in at the time of the interview. RwfLOOR indicates whether a respondent was able to report which building floor he/she were on when interviewed. For interviews conducted at the respondent's home, RwfLOOR indicates whether the respondent was able to answer the question "What is this place used for?". RwnAME indicates whether a respondent was able to report the name of the hospital he/she were in during the interview. For interviews conducted at the respondent's home, RwnAME indicates whether a respondent was able to report the name of his/her district. RwADDRESS indicates whether a respondent was able to report his/her home address. If the respondent did not answer or did not know, he/she were asked for the name of the area of town/village, house number, or any landmark. If the respondent correctly identified the street name, this was coded as 1 for correct; the full address was not required.

RwSTATE, RwcITY, RwfLOOR, RwnAME, and RwADDRESS are coded as 1 if the respondent answered correctly and as 0 if the respondent answered incorrectly. Don't know responses are coded as special missing (.d). Refused responses are coded as special missing codes (.r). Other missing is coded as special missing (.m). "Not Assessed" responses are coded as special missing (.n). "Not assessed" is assigned when the test was not administered because of a respondent's physical disability or technical issues.

RwORIENT_P5 is the summary measure for RwSTATE, RwcITY, RwfLOOR, RwnAME, and RwADDRESS, ranging from 0 to 5. 5 indicates that all answers were correct. If RwSTATE, RwcITY, RwfLOOR, RwnAME, and RwADDRESS are coded as (.d) or (.n), RwORIENT_P5 is coded as (.d) or (.n), respectively. If RwSTATE, RwcITY, RwfLOOR, RwnAME, and RwADDRESS are coded as (.r), RwORIENT_P5 is assigned (.r).

RwORIENT_P4 is the summary measure for RwSTATE, RwcITY, RwnAME, and RwADDRESS, ranging from 0 to 4. 4 indicates that all answers were correct. This measure is comparable with the measures from the main LASI study. If RwSTATE, RwcITY, RwnAME, and RwADDRESS are coded as (.d) or (.n), RwORIENT_P4 is coded as (.d) or (.n), respectively. If RwSTATE, RwcITY, RwnAME, and RwADDRESS are coded as (.r), RwORIENT_P4A is assigned (.r).

RwfSTATE, RwfCITY, RwfFLOOR, RwfNAME, and RwfADDRESS are flag variables, indicating whether the corresponding variable has an imputed value assigned. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In HRS HCAP, 5 questions were asked: state, county, city/town, floor of the building and address of the place. In DAD, similar questions were asked: state, city/village, floor of the building, name of the hospital or home address. As DAD study interviews were conducted in hospitals or in respondents' homes, either the name of the hospital or home address was asked.

Differences with Harmonized LASI

In the Harmonized LASI interview, only 4 questions were asked: current place, city, street and district where the respondent lives (RwPLACE, RwcITY, RwSTREET, and RwdIST). In the DAD, 5 questions were asked: current place, city, state, district/town/village, and floor (RwnAME, RwcITY, RwSTATE, RwADDRESS, and RwfLOOR).

DAD Variables Used

Wave 1 Cog:

MMSE107_STATE	current state r in is--correct
MMSE108_CITY	current city/village--correct
MMSE109_FLOOR	current floor of bldg r is on
MMSE109_FLOOR_HOME	current floor--correct -- changed to what is
MMSE110_NAME	current address--correct -- changed to distri
MMSE110_NAME_HOME	current address--correct -- changed to distri
MMSE111_ADDRESS	home address

3-Word Recall

Wave	Variable	Label	Type
1	R1TRIAL1	rltrial1:w1 R 3-word recall trial 1(0-3)	Categ
1	R1FTRIAL1	rlftrial1:impflag w1 r whether imputed value	Categ
1	R1TRIAL2	rltrial2:w1 R 3-word recall trial 2(0-3)	Categ
1	R1FTRIAL2	rlftrial2:impflag w1 r whether imputed value	Categ
1	R1TRIAL3	rltrial3:w1 R 3-word recall trial 3(0-3)	Categ
1	R1FTRIAL3	rlftrial3:impflag w1 r whether imputed value	Categ
1	R1IMRC3	rlimrc3:w1 R immediate word recall(0-3)	Categ
1	R1FIMRC3	rlfimrc3:impflag w1 r whether imputed value	Categ
1	R1DLRC3	rldlrc3:w1 R delayed word recall(0-3)	Categ
1	R1FDLRC3	rlfdlrc3:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1TRIAL1	3224	2.75	0.61	0.00	3.00
R1FTRIAL1	3224	0.06	0.48	0.00	4.00
R1TRIAL2	565	2.39	0.97	0.00	3.00
R1FTRIAL2	3224	9.07	4.12	0.00	11.00
R1TRIAL3	203	1.72	1.16	0.00	3.00
R1FTRIAL3	3224	10.27	2.65	0.00	11.00
R1IMRC3	3224	2.75	0.61	0.00	3.00
R1FIMRC3	3224	0.06	0.48	0.00	4.00
R1DLRC3	3224	1.94	1.08	0.00	3.00
R1FDLRC3	3224	0.10	0.55	0.00	4.00

Categorical Variable Codes

Value-----	R1TRIAL1
0	67
1	104
2	394
3	2659
Value-----	R1FTRIAL1
0.Not imputed	3158
1.Dont know	18
2.Missing	2
4.Refused	46

Value-----	R1TRIAL2
.s:Skipped	2659
0	56
1	32
2	115
3	362
Value-----	R1FTRIAL2
0.Not imputed	512
1.Dont know	24
2.Missing	2
4.Refused	47
11.Skipped	2639
Value-----	R1TRIAL3
.s:Skipped	3021
0	50
1	21
2	67
3	65
Value-----	R1FTRIAL3
0.Not imputed	158
1.Dont know	27
2.Missing	2
4.Refused	49
11.Skipped	2988
Value-----	R1IMRC3
0	67
1	104
2	394
3	2659
Value-----	R1FIMRC3
0.Not imputed	3158
1.Dont know	18
2.Missing	2
4.Refused	46
Value-----	R1DLRC3
0	479
1	527
2	924
3	1294
Value-----	R1FDLRC3
0.Not imputed	3053
1.Dont know	113
2.Missing	2
3.Not Assessed	3
4.Refused	53

How Constructed

RwTRIAL1, RwTRIAL2, and RwTRIAL3 indicate a series of consecutive trials that ask the respondent to repeat back three objects named by the interviewer.

RwTRIAL1 is the first trial in which interviewers name three objects and ask the respondent to repeat each object back to them. The respondents are asked to remember what the objects are because they will be asked to name them again in a few minutes. The three objects are "Mango", "Chair", and "Coin". Interviewers record the number of correct words repeated with values ranging from 0-3 for correct words recalled.

RwTRIAL2 and RwTRIAL3 indicate the second and third trial in which interviewers name the same three objects as in trial 1. If the respondent correctly names all three objects in the first trial, trial 2 is skipped. If the respondent correctly names all three objects in the second

trial, trial 3 is skipped. Otherwise, RWTrial2 and RWTrial3 follow the same procedure as RWTrial1.

RWTrial1, RWTrial2, and RWTrial3 range from 0-3, indicating the number of correct responses. Don't know responses are coded as special missing (.d). Refused responses are coded as special missing codes (.r). If the question is skipped in RWTrial2 or RWTrial3 because the respondent correctly answered all words in the previous trial, special missing (.s) is assigned. Other missing is assigned as (.m).

RwIMRC3 provides a summary measure for immediate word recall. The first word recall trial, RWTrial1, is used for this variable. Interviewers record the number of correct words repeated with values ranging from 0-3 for correct words recalled. Don't know responses are coded as special missing (.d). Refused responses are coded as special missing codes (.r). Other missing is as (.m).

RwDLRC3 provides a measure for delayed word recall. RwDLRC3 is the number of words from the 3-word immediate recall list that were recalled correctly after a delay, in which other survey questions were asked and answered. Specifically, respondents were asked for the three objects they were asked to remember previously. Interviewers record the number of correct words repeated after the delay. Don't know responses are coded as special missing (.d). Refused is coded as special missing codes (.r). Other missing is assigned special missing (.m). "Not assessed" responses are coded as special missing (.n). "Not assessed" is assigned when the test was not administered because of the respondent's physical disability or technical issues.

RwFTrial1, RwFTrial2, RwFTrial3, RwFIMRC3 and RwFDLRC3 are flag variables, indicating whether the corresponding variable has an imputed value assigned. RwFTrial1 is coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. RwFTrial2 and RwFTrial3 are coded as follows: The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 4.Refused, and 11.Skipped. RwFIMRC3 is coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4. Refused. RwFDLRC3 is coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In DAD, we used the HMSE word recall list "Mango, Chair, Coin" instead of HRS HCAP word recall list "Apple, Table, Penny". In the HRS HCAP, the interviewer also records the number of trials as H1RMSE11T.

Differences with Harmonized LASI

In the LASI study, the MMSE three word recall test is not administered.

DAD Variables Used

Wave 1 Cog:	
MMSE112_TRIAL1	trial 1
MMSE112_TRIAL2	trial 2
MMSE112_TRIAL3	trial 3
MMSE114_DELAYED	mmse114 delayed

Serial 7's

Wave	Variable	Label	Type
1	R1SER7	rlser7:w1 R serial 7s(0-5)	Categ
1	R1FSER7	rlfser7:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SER7	3224	1.89	1.78	0.00	5.00
R1FSER7	3224	2.31	2.79	0.00	6.00

Categorical Variable Codes

Value	R1SER7
0	958
1	756
2	405
3	358
4	293
5	454

Value	R1FSER7
0.Not imputed	1807
1.Dont know	119
2.Missing	4
4.Refused	219
6.Cannot Count	1075

How Constructed

RwSER7 provides the number of correct subtractions in the serial 7's test. This test asks the individual to subtract 7 from the prior result, beginning with 100, for five trials. Correct subtractions are based on the prior number given, so that even if one subtraction is incorrect, subsequent trials are evaluated on the given (perhaps wrong) answer. Valid scores are 0-5. If the respondent cannot count, special missing (.c) is assigned. Don't know responses are coded as (.d). Refused responses are assigned special missing code (.r). Other missing is assigned special missing (.m).

RwFSER7 is a flag variable, indicating whether the corresponding variable has an imputed value. The flag variable is coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 4.Refused, and 6.Cannot Count. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

This test in DAD was not conducted in the HRS HCAP. Instead, the HRS HCAP uses a Number Series test. Although the Number Series was included in the main LASI, a large portion of respondents refused to answer the questions; hence we decided to drop the Number Series from DAD and use the Serial 7's test instead.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 Cog:

SS_1	subtraction from 100
SS_1NUMBER	7 subtracted from 100
SS_2	2nd time subtraction
SS_3	3rd time subtraction
SS_4	4th time subtraction
SS_5	5th time subtraction

Backward Day Naming

Wave	Variable	Label	Type
1	R1BACKWARD6	rlbackward6:w1 R backward day naming(0-6)	Categ
1	R1FBACKWARD6	rlfbackward6:impflag w1 r whether imputed value	Categ
1	R1BACKWARD5	rlbackward5:w1 R backward day naming(0-5)	Categ
1	R1FBACKWARD5	rlfbackward5:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BACKWARD6	3224	3.87	2.58	0.00	6.00
R1FBACKWARD6	3224	0.24	0.83	0.00	4.00
R1BACKWARD5	3224	3.33	2.15	0.00	5.00
R1FBACKWARD5	3224	0.24	0.83	0.00	4.00

Categorical Variable Codes

Value	R1BACKWARD6
0	756
1	192
2	141
3	111
4	192
5	85
6	1747

Value	R1FBACKWARD6
0.Not imputed	2880
1.Dont know	167
2.Missing	50
4.Refused	127

Value	R1BACKWARD5
0	756
1	192
2	141
3	111
4	192
5	1832

Value	R1FBACKWARD5
0.Not imputed	2880
1.Dont know	167
2.Missing	50
4.Refused	127

How Constructed

RwBACKWARD6 indicates the number of days of the week the respondent was able to correctly list in backwards order, starting from Sunday. RwBACKWARD6 ranges from 0-6. Each day in the reported sequence was awarded one point if correct. If the respondent gave the wrong response for the first day but a logically correct sequence, one point was deducted from the total score.

RwBACKWARD5 indicates the number of days of the week the respondent was able to correctly list in backwards order, starting from Sunday. RwBACKWARDS5 is derived from RwBACKWARD6 and recodes 6 as 5. RwBACKWARD5 ranges from 0-5. Each day in the sequence was given one point if correctly reported. If the respondent gave the wrong response for the first day but a logically correct sequence, one point was deducted from the total score.

Don't know responses are coded as special missing (.d). Refused responses are coded as special missing (.r). Other missing responses are coded as (.m).

RwFBACKWARD6 and RwFBACKWARD5 are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't Know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In DAD, given the illiteracy in the older population, we asked respondents to say days of the week backwards starting from Sunday. In HRS HCAP, respondents were given the word "WORLD" and were asked to spell it backwards.

Differences with Harmonized LASI

This question was not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:

MMSE113_CORRBACKWARDS_1_	list backwards
MMSE113_CORRBACKWARDS_2_	list backwards
MMSE113_CORRBACKWARDS_3_	list backwards
MMSE113_CORRBACKWARDS_4_	list backwards
MMSE113_CORRBACKWARDS_5_	list backwards
MMSE113_CORRBACKWARDS_6_	list backwards
MMSE113_CORRBACKWARDS_7_	list backwards

Object Naming

Wave	Variable	Label	Type
1	R1OBJECT1	rlobject1:w1 R naming 1st object correct-watch(0-1)	Categ
1	R1FOBJECT1	rlfobject1:impflag w1 r whether imputed value	Categ
1	R1OBJECT2	rlobject2:w1 R naming 2nd object correct-pencil(0-1)	Categ
1	R1FOBJECT2	rlfobject2:impflag w1 r whether imputed value	Categ
1	R1OBJECT	rlobject:w1 R total object naming(0-2)	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1OBJECT1	3224	0.97	0.16	0.00	1.00
R1FOBJECT1	3224	0.08	0.50	0.00	4.00
R1OBJECT2	3224	0.86	0.35	0.00	1.00
R1FOBJECT2	3224	0.08	0.50	0.00	4.00
R1OBJECT	3224	1.83	0.41	0.00	2.00

Categorical Variable Codes

Value-----	R1OBJECT1
0.Incorrect	84
1.Correct	3140
Value-----	R1FOBJECT1
0.Not imputed	3141
1.Dont know	19
2.Missing	2
3.Not Assessed	29
4.Refused	33
Value-----	R1OBJECT2
0.Incorrect	467
1.Correct	2757
Value-----	R1FOBJECT2
0.Not imputed	3144
1.Dont know	15
2.Missing	2
3.Not Assessed	29
4.Refused	34
Value-----	R1OBJECT
0	46
1	459
2	2719

How Constructed

RwOBJECT1 indicates whether the respondent properly identified a watch. For this task, interviewers are instructed to point to their watch (not dial) and ask what the watch is called. RwOBJECT2 indicates whether the respondent properly identified a pencil. For this task, interviewers are instructed to show the respondent their pencil and ask what the pencil

is called. Don't know responses are coded as special missing (.d). Refused responses are assigned special missing code (.r). Other missing is coded as special missing (.m). "Not Assessed" responses are coded as special missing (.n). "Not assessed" is assigned when the test was not administered because of the respondent's physical disability or technical issues.

RwOBJECT indicates the number of correct responses between RwOBJECT1 and RwOBJECT2. RwOBJECT ranges from 0-2. If RwOBJECT1 or RwOBJECT2 is assigned special missing (.d) or (.n), RwOBJECT is coded as special missing (.d) or (.n). Refused responses are assigned special missing code (.r). Other missing is coded as special missing (.m).

RwFOBJECT1 and RwFOBJECT2 are flag variables, indicating whether the corresponding variable was assigned an imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

No differences known.

Differences with Harmonized LASI

In DAD, the respondent is asked to identify two specific objects (watch and pencil). Unlike DAD, LASI asks the respondent to name two random objects that the interviewer points to.

DAD Variables Used

Wave 1 Cog:

MMSE115_PENCIL
MMSE115_WATCH

pencil identification--correct
watch id--correct

Whether able to repeat a phrase
--

Wave	Variable	Label	Type
1	R1REPEAT	rlrepeat:w1 R able to repeat a phrase(0-1)	Categ
1	R1FREPEAT	rlfrepeat:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1REPEAT	3224	0.88	0.32	0.00	1.00
R1FREPEAT	3224	0.13	0.65	0.00	4.00

Categorical Variable Codes

Value-----	R1REPEAT
0.Incorrect	385
1.Correct	2839

Value-----	R1FREPEAT
0.Not imputed	3071
1.Dont know	36
2.Missing	2
3.Not Assessed	66
4.Refused	49

How Constructed

RwREPEAT indicates whether the respondent is able to repeat a phrase back to the interviewer. This phrase is "Neither this nor that". The respondent is allowed only one attempt to repeat the phrase. The interviewer cannot repeat the phrase if the respondent has already attempted the phrase. If the respondent struggles to hear the phrase, the interviewer can repeat the phrase up to five times. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing code (.r). Other missing is assigned special missing (.m). "Not Assessed" responses are coded as special missing (.n). "Not assessed" is assigned when the test was not administered because of the respondent's physical disability or technical issues.

RwFREPEAT is a flag variable, indicating whether the corresponding variable has an imputed value assigned. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In DAD, we used the HMSE phrase "Neither this nor that" instead of HRS HCAP's MMSE phrase "No if's, and's, or but's".

Differences with Harmonized LASI

This question was not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:

MMSE116_REPEAT

repeat

Whether able to Follow Command

Wave	Variable	Label	Type
1	R1COPYFOL	rlcopyfol:w1 R able to follow example and close eyes(0-1)	Categ
1	R1FCOPYFOL	rlfcopyfol:impflag w1 r whether imputed value	Categ
1	R1READFOL	rlreadfol:w1 R able to read command and close eyes(0-1)	Categ
1	R1FREADFOL	rlfreadfol:impflag w1 r whether imputed value	Categ
1	R1COMBFOL	rlcombfol:w1 R able to read/follow and close eyes(0-1)	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1COPYFOL	1818	0.82	0.38	0.00	1.00
R1FCOPYFOL	3224	4.88	5.41	0.00	11.00
R1READFOL	1406	0.42	0.49	0.00	1.00
R1FREADFOL	3224	7.78	6.93	0.00	14.00
R1COMBFOL	3224	0.65	0.48	0.00	1.00

Categorical Variable Codes

Value-----	R1COPYFOL
.s:Skipped	1406
0.Incorrect	324
1.Correct	1494
Value-----	R1FCOPYFOL
0.Not imputed	1739
1.Dont know	19
2.Missing	2
4.Refused	58
11.Skipped	1406
Value-----	R1READFOL
.l:Cannot read and write	1783
.m:Missing	35
0.Incorrect	814
1.Correct	592
Value-----	R1FREADFOL
0.Not imputed	1391
1.Dont know	1
2.Missing	35
3.Not Assessed	8
4.Refused	6
14.Cannot read/write	1783
Value-----	R1COMBFOL
0.Incorrect	1138
1.Correct	2086

How Constructed

The following variables indicate whether the respondent can follow an instruction. The respondent's ability to follow an instruction was assessed in two ways depending on literacy. The original MMSE asks the respondent to read. For illiterate respondents, the HHSE replaces this task with a copying task.

RwCOPYFOL indicates whether the respondent is able to perform a task that is given to them by gestures. This task is only given to respondents who report that they cannot read and write. If the respondent cannot read and write, the respondent is asked to mimic the interviewer's gesture. The interviewer closes his/her eyes for 3 seconds. If the respondent does not close his/her eyes, a 0 is coded for incorrect. If the respondent closes his/her eyes, a 1 is coded for correct. Special missing (.s) is assigned if this task is skipped because the respondent reported that he/she can read and write. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing code (.r). Other missing is assigned special missing (.m). "Not Assessed" responses are coded as special missing (.n). "Not Assessed" option was marked only if the respondent has some physical disability that prevents him/her from performing the test, e.g. if the respondent is blind.

RwREADFOL indicates whether the respondent is able to perform a task that is given to them through text. This task is only given to respondents who report that they can read and write. If respondents can read and write, they are asked to read the words on a page and do as it says. The page says, "Close your eyes". If the respondents do not close their eyes, a 0 is coded for incorrect. If the respondents close their eyes, a 1 is coded for correct. Special missing (.l) is assigned if this task was skipped because the respondent reported they cannot read and write. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing code (.r). Other missing is assigned special missing (.m). "Not Assessed" responses are coded as special missing (.n). "Not assessed" is assigned when the test was not administered because of the respondent's physical disability or technical issues.

RwCOMBFOL indicates whether the respondent is able to perform a task that is given to them by text or gesture. RwCOMBFOL is derived from RwCOPYFOL and RwREADFOL. If respondents can read and write, they are asked to read the words on a page and do as it says. The page says, "Close your eyes". If the respondents cannot read and write, they are asked to mimic the interviewer's gesture. The interviewer closes his/her eyes for 3 seconds. If the respondents do not close their eyes after reading the text or observing the gesture, a 0 is coded for incorrect. If the respondent closed their eyes, a 1 is coded for correct. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing code (.r). Other missing is assigned special missing (.m). "Not Assessed" responses are coded as special missing (.n). "Not assessed" is assigned when the test was not administered because of the respondent's physical disability or technical issues.

RwFCOPYFOL and RwFREADFOL are flag variables, indicating whether the corresponding variable has an assigned imputed value. RwFCOPYFOL is coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 4.Refused, and 11.Skipped. RwFREADFOL is coded as follows: L.Not literate (cannot read and write), 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, and 4. Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In HRS HCAP, respondents were only asked to read and follow the instructions, while DAD first asked the respondent if he/she can read and write and had an alternate test for illiterates to see and copy the actions.

Differences with Harmonized LASI

In the Harmonized LASI, respondents were asked to read a sentence on the paper and act out the action. If the respondents were illiterate, the question was skipped. In the DAD,

illiterate respondents were asked to copy the action that the interviewer performed. If respondents could read or write, the question was asked the same way in both studies.

DAD Variables Used

Wave 1 Cog:

MMSE117	can respondent read and write
MMSE117_COPY	copy
MMSE117_READ	read

Executive Functioning

Wave	Variable	Label	Type
1	R1EXECU	r13task:w1 R cognition able to do 3-stages task(0-3)	Categ
1	R1FEEXECU	r1fexecu:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1EXECU	3224	2.61	0.71	0.00	3.00
R1FEEXECU	3224	0.09	0.56	0.00	4.00

Categorical Variable Codes

Value	R1EXECU
0.None	78
1.One of the tasks	192
2.Two of the tasks	653
3.All of the tasks	2301

Value	R1FEEXECU
0.Not imputed	3131
1.Dont know	9
2.Missing	2
3.Not Assessed	43
4.Refused	39

How Constructed

RwEXECU counts the number of correct actions the respondent follows regarding folding a piece of paper. The respondent is asked to do the following three actions: (1) take the paper in his/her right hand, (2) fold the paper in half with both hands, and (3) give the paper back to the interviewer. The interviewer can read the instructions only once. The interviewer can repeat the instructions only if the respondent did not hear the instructions.

RwEXECU ranges from 0-3, with 3 indicating that all 3 tasks were completed. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing code (.r). Other missing is assigned special missing (.m). "Not Assessed" responses are assigned special missing (.n). "Not Assessed" option was marked only if the respondent has some physical disability that prevents him/her from performing the test, e.g. if the respondent has hemiplegia.

RwFEEXECU is a flag variable, indicating whether the corresponding variable has an imputed value assigned. The flag variable is coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In HRS HCAP, interviewer asked respondents to "take the paper in your right hand, fold the paper in half with both hands, and put the paper down on your lap". In the DAD study, we asked respondents to "take the paper in your right hand, fold the paper in half with both hands" and give the paper back to the interviewer.

Differences with Harmonized LASI

In the Harmonized LASI study, the interviewer asks the respondent to "turn it over, fold it in half, and give it back."

DAD Variables Used

Wave 1 Cog:

MMSE118_BACK	gives paper back
MMSE118_FOLDS	folds paper
MMSE118_HAND	handedness

Writing or Saying Sentence

Wave	Variable	Label	Type
1	R1SAY	rlsay:w1 R able to say a sentence(0-1)	Categ
1	R1FSAY	rlfsay:impflag w1 r whether imputed value	Categ
1	R1WRITE	rlwrite:w1 R able to write a sentence(0-1)	Categ
1	R1FWRITE	rlfwrite:impflag w1 r whether imputed value	Categ
1	R1SENTEN	rlsenten:w1 R able to write/say a sentence(0-1)	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SAY	1818	0.83	0.38	0.00	1.00
R1FSAY	3224	4.86	5.42	0.00	11.00
R1WRITE	1406	0.93	0.26	0.00	1.00
R1FWRITE	3224	7.81	6.90	0.00	14.00
R1SENTEN	3224	0.87	0.34	0.00	1.00

Categorical Variable Codes

Value-----	R1SAY
.s:Skipped	1406
0.Incorrect	317
1.Correct	1501
Value-----	R1FSAY
0.Not imputed	1730
1.Dont know	49
2.Missing	2
4.Refused	37
11.Skipped	1406
Value-----	R1WRITE
.l:Cannot read and write	1783
.m:Missing	35
0.Incorrect	102
1.Correct	1304
Value-----	R1FWRITE
0.Not imputed	1360
1.Dont know	9
2.Missing	35
3.Not Assessed	15
4.Refused	22
14.Cannot read/write	1783
Value-----	R1SENTEN
0.Incorrect	419
1.Correct	2805

How Constructed

RwSAY indicates whether a respondent can tell the interviewer something about his/her house. This is only asked if the respondent reports that he/she cannot read and write. A coded value of 1 indicates that the respondent was able to say one full sentence about his/her house. A coded value of 0 indicates that the respondent could not say one full sentence about his/her house. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). If this task was skipped because the respondent reports being able to read and write, the special missing (.s) is assigned. Other missing is assigned as special missing (.m).

RwWRITE indicates whether the respondent can write a complete sentence on a piece of paper. This is only asked if the respondent reports that he/she can read and write. A coded value of 1 indicates that the respondent was able to write a complete sentence or his/her full name. A coded value of 0 indicates that the respondent could not write a sentence. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). If this task was skipped because the respondent reported that he/she cannot read and write, special missing (.l) is assigned. Other missing is assigned special missing (.m). "Not Assessed" responses are coded as special missing (.n). "Not assessed" is assigned when the test was not administered because of the respondent's physical disability or technical issues.

RwSENTEN indicates whether a respondent is able to write or say a complete sentence. RwSENTEN uses RwWRITE and RwSAY to determine if either is successfully completed. A coded value of 1 indicates that the respondent was either able to write a complete sentence or his/her full name or was able to say one full sentence about his/her house. A coded value of 0 indicates that the respondent could not write a sentence or could not say one full sentence about his/her house. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m). "Not Assessed" responses are assigned special missing (.n). "Not Assessed" option was marked only if the respondent has some physical disability that prevents him/her from performing the test.

RwFSAY and RwfWRITE are flag variables, indicating whether the corresponding variable has an assigned imputed value. RwFSAY is coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 4.Refused, and 11.Skipped. RwfWRITE is coded as follows: L.Not literate (cannot read and write), 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

HRS HCAP asked respondents to write any complete sentence on a piece of paper whereas DAD incorporates an alternate test for those who are illiterate, namely, to tell interviewers "something about your house" if respondents can't read and write. The outcomes of the test used in DAD is captured by the variable RwSAY.

Differences with Harmonized LASI

In the Harmonized LASI, the respondent was asked to write a sentence about how he/she is feeling today and question was skipped if respondent is illiterate. In DAD, the respondent was asked to write a sentence or his/her full name if the respondent reports that he/she can read and write. If the respondent cannot read or write, he/she was asked to tell the interviewer something about his/her house.

DAD Variables Used

Wave 1 Cog:

MMSE117	can respondent read and write
MMSE119_SAY	respondent says the sentence
MMSE119_WRITE	write complete sentence

Drawing Pentagon

Wave	Variable	Label	Type
1	R1DRAW	rldraw:w1 R cognition able to draw assign picture(0-1)	Categ
1	R1FDRAW	rldraw:impflag w1 r whether imputed value	Categ
1	R1DRAW2	rldraw2:w1 R cognition able to draw assign picture(0-2)	Categ
1	R1FDRAW2	rldraw2:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DRAW	3224	0.24	0.43	0.00	1.00
R1FDRAW	3224	0.27	0.98	0.00	8.00
R1DRAW2	3224	0.52	0.85	0.00	2.00
R1FDRAW2	3224	0.27	0.98	0.00	8.00

Categorical Variable Codes

Value-----	R1DRAW
0.Incorrect	2450
1.Correct	774

Value-----	R1FDRAW
0.Not imputed	2964
1.Dont know	18
2.Missing	30
3.Not Assessed	76
4.Refused	129
8.Bad image	7

Value-----	R1DRAW2
0	2327
1	123
2	774

Value-----	R1FDRAW2
0.Not imputed	2964
1.Dont know	18
2.Missing	30
3.Not Assessed	76
4.Refused	129
8.Bad image	7

How Constructed

RwDRAW indicates whether the respondent was able to draw an assigned picture: two overlapping pentagons. The respondent is assigned 1 as correct if the drawing met both requirements: (1) the drawing consists of two five-sided figures that intersect to form a four-sided figure and (2) all angles in the five-sided figures are preserved.

If the respondent's drawing doesn't meet both requirements, a 0 score is assigned. That is, the drawing has two five-sided figures that intersect to form a four-sided figure but not all angles in the five-sided figures are preserved, the respondent did not draw the two five-

sided figures that intersect to form a four-sided figure, or the respondent did not draw the figure.

RwDRAW2 indicates a score ranging from 0-2 based on the respondent's ability to draw an assigned picture: two overlapping pentagons. The picture is scored on two features. 2 is coded if the drawing has two five-sided figures that intersect to form a four-sided figure and all angles in the five-sided figure are preserved. 1 is coded if either the drawing has two five-sided figures that intersect to form a four-sided figure or all angles in the five-sided figure are preserved. 0 is coded if the respondent did not draw two five-sided figures that intersect to form a four-sided figure.

Don't know responses are assigned special missing (.d). Refused responses are assigned special missing codes (.r). Cases where the respondent's uploaded images were blurry and not yet scored were assigned special missing (.b). If the figure has not been scored yet, special missing (.z) is assigned. Other missing is assigned special missing (.m). "Not Assessed" responses are assigned special missing (.n). "Not Assessed" option was marked only if the respondent has some physical disability that prevented him/her from performing the test.

RwFDRAW and RwFDRAW2 are flag variables, indicating whether the corresponding variable was assigned an imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, 4.Refused, and 8.Bad image. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

HRS HCAP provides a 1-point detailed score while DAD provides a MMSE-comparable 1-point score and a 2-point detailed score.

Differences with Harmonized LASI

In the Harmonized LASI, the answer yes or no was used to indicate whether the respondent was able to draw an assigned picture. In the DAD, a 2-point detailed score was provided based on the respondent's ability to draw an assigned picture.

DAD Variables Used

Wave 1 Cog:
MMSE120_DRAW copy drawing

HMSE Summary Score

Wave	Variable	Label	Type
1	R1HMSE_SCORE	r1hmse_score:w1 R HMSE total score excluding missing(0-30)	Categ
1	R1LASI_SCORE	r1lasi_score:w1 R LASI comparable HMSE total score w/missing	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HMSE_SCORE	3224	22.83	5.52	0.00	30.00
R1LASI_SCORE	3224	12.19	2.84	0.00	16.00

Categorical Variable Codes

Value	R1HMSE_SCORE
0	4
1	1
2	1
3	6
4	3
5	5
6	5
7	15
8	14
9	15
10	24
11	32
12	33
13	51
14	59
15	90
16	103
17	122
18	147
19	128
20	139
21	151
22	154
23	177
24	197
25	207
26	267
27	311
28	355
29	310
30	98

Value	R1LASI_SCORE
0	4
1	4
2	8
3	13
4	18
5	35
6	60
7	72
8	141
9	210
10	250
11	313
12	372

13		422
14		552
15		523
16		227

How Constructed

RwHMSE_SCORE sums the total value between RwORIENT_T4, RwORIENT_P4, RwIMRC3, RwBACKWARD5, RwDLRC3, RwOBJECT, RwREPEAT, RwCOMBFOL, Rw3TASK, RwSENTEN, and RwDRAW, with missing values. If any of the variables contain a missing value, RwHMSE_SCORE is missing.

If RwORIENT_T4, RwORIENT_P4, RwIMRC3, RwBACKWARD5, RwDLRC3, RwOBJECT, RwREPEAT, RwCOMBFOL, Rw3TASK, RwSENTEN, and RwDRAW are assigned (.d) or (.n), RwHMSE_SCORE is coded as (.d) or (.n), respectively. Refused responses are assigned special missing codes (.r). Cases in which the respondents' images were blurry and not yet scored were assigned special missing (.b). Other missing is assigned special missing (.m).

RwLASI_SCORE sums the total value between RwORIENT_T4, RwORIENT_P4, RwOBJECT, RwCOMBFOL, Rw3TASK, RwSENTEN, and RwDRAW, with missing values. If any of the variables contain a missing value, RwLASI_SCORE is missing.

If RwORIENT_T4, RwORIENT_P4, RwOBJECT, RwCOMBFOL, Rw3TASK, RwSENTEN, and RwDRAW are assigned (.d) or (.n), RwLASI_SCORE is coded as (.d) or (.n), respectively. Refused responses are assigned special missing codes (.r). Cases in which the respondents' images were blurry and not yet scored were assigned special missing (.b). Other missing is assigned special missing (.m).

For further information on the component variables used in this section, please refer to their respective sections above.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

HRS HCAP use MMSE and DAD use HMSE.

Differences with Harmonized LASI

In the DAD, the summary score counts the total value between RwORIENT_T4 (4 points), RwORIENT_P4 (4 points), RwIMRC3 (3 points), RwDLRC3 (3 points), RwOBJECT (2 points), RwBACKWARD5 (5 points), RwREPEAT (1 point), RwCOMBFOL (1 point), Rw3TASK (3 points), RwSENTEN (1 point), and RwDRAW (1 point).

In the Harmonized LASI, the summary score counts the total value between RwORIENT_T4A (4 points), RwORIENT_P4A (4 points), RwOBJECT (2 points), RwCOMBFOL (1 point), Rw3TASK (3 points), RwSENTEN (1 point), and RwDRAW (1 point).

DAD Variables Used

Wave 1 Cog:

MMSE118_BACK	gives paper back
MMSE118_FOLDS	folds paper
MMSE118_HAND	handedness
MMSE119_SAY	respondent says the sentence
MMSE119_WRITE	write complete sentence
MMSE120_DRAW	copy drawing

10-Word List Learning

Wave	Variable	Label	Type
1	R1WORD1	rlword1:w1 R word list learning trial 1(0-10)	Categ
1	R1FWORD1	rlfword1:impflag w1 r whether imputed value	Categ
1	R1WORD2	rlword2:w1 R word list learning trial 2(0-10)	Categ
1	R1FWORD2	rlfword2:impflag w1 r whether imputed value	Categ
1	R1WORD3	rlword3:w1 R word list learning trial 3(0-10)	Categ
1	R1FWORD3	rlfword3:impflag w1 r whether imputed value	Categ
1	R1WORD_TOTAL	rlword_total:w1 R word list learning total(0-30)	Cont
1	R1WORD_D	rlword_d:w1 R word list learning recall(0-10)	Categ
1	R1FWORD_D	rlfword_d:impflag w1 r whether imputed value	Categ
1	R1WORD_INT	rlword_int:w1 R word list any interruption(0-1)	Categ
1	R1WORD_PROB	rlword_prob:w1 R word list had hearing problem(0-1)	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORD1	3224	2.73	1.67	0.00	9.00
R1FWORD1	3224	0.10	0.62	0.00	4.00
R1WORD2	3224	4.06	2.00	0.00	10.00
R1FWORD2	3224	0.11	0.64	0.00	4.00
R1WORD3	3224	4.66	2.24	0.00	10.00
R1FWORD3	3224	0.13	0.71	0.00	4.00
R1WORD_TOTAL	3224	11.46	5.25	0.00	28.00
R1WORD_D	3224	3.10	2.38	0.00	10.00
R1FWORD_D	3224	0.12	0.67	0.00	4.00
R1WORD_INT	3174	0.05	0.22	0.00	1.00
R1WORD_PROB	3174	0.05	0.21	0.00	1.00

Categorical Variable Codes

Value	R1WORD1
0	453
1	256
2	654
3	827
4	597
5	290

6	113
7	26
8	6
9	2
Value-----	R1FWORD1
0.Not imputed	3134
1.Dont know	11
2.Missing	1
4.Refused	78
Value-----	R1WORD2
0	294
1	75
2	243
3	497
4	693
5	679
6	436
7	212
8	71
9	22
10	2
Value-----	R1FWORD2
0.Not imputed	3128
1.Dont know	9
2.Missing	2
4.Refused	85
Value-----	R1WORD3
0	282
1	50
2	133
3	360
4	566
5	687
6	499
7	346
8	206
9	73
10	22
Value-----	R1FWORD3
0.Not imputed	3110
1.Dont know	9
2.Missing	2
4.Refused	103
Value-----	R1WORD_D
0	797
1	157
2	306
3	491
4	522
5	432
6	267
7	147
8	64
9	35
10	6
Value-----	R1FWORD_D
0.Not imputed	3110
1.Dont know	19
2.Missing	3
4.Refused	92
Value-----	R1WORD_INT
.d:DK	3
.m:Missing	6

.r:Refuse	41
0.No	3015
1.Yes	159
Value-----	
.d:DK	R1WORD_PROB
.m:Missing	3
.r:Refuse	6
0.No	41
1.Yes	3021
	153

How Constructed

RwWORD1, RwWORD2, RwWORD3 are a set of consecutive tasks asking the respondent to repeat a set of 10 words back to the interviewer. Each task consists of the same words but in a different order each time.

RwWORD1 indicates the total number of correct words recalled in the first task. For this task, the interviewer reads a set of 10 words and asks the respondent to recall as many as he/she can. The interviewer states that the set of words is purposely made long so that it will be difficult for anyone to recall all the words and that most people recall just a few. The interviewer cannot repeat the words. The respondent can repeat back the set of words in any order and is given up to about 2 minutes. Once the respondent understands the task, the interviewer reads the items at a slow, steady rate, allowing the respondent to repeat the word before moving on to the next word on the list. The set of 10 words, in order, is Butter, Arm, Corner, Letter, Queen, Book, Stick, Ticket, Grass, and Stone.

RwWORD2 and RwWORD3 indicate the total number of correct words recalled in the second and third tasks. For the second and third task, the interviewer reads the same list of words as the first task but in a different order. Once the interviewer has read the list of words, the respondent is asked to say aloud the words from the list. The order for the second set of 10 words is: Ticket, Book, Butter, Corner, Stone, Arm, Queen, Letter, Stick, and Grass. The order for the third set of 10 words is: Queen, Grass, Arm, Book, Stick, Corner, Butter, Stone, Ticket, and Letter.

Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

RwWORD_TOTAL counts the total number of correct words between RwWORD1, RwWORD2, and RwWORD3. RwWORD_TOTAL is coded as don't know (.d) or refused (.r) if all RwWORD1, RwWORD2, and RwWORD3 are coded as don't know, or refused. Other missing is assigned special missing (.m).

RwWORD_D indicates the total number of correct words recalled from a 10-word list after a delay where other survey questions were asked and answered. Respondents were given up to 2 minutes to recall as many of the 10 words they could remember.

RwWORD_INT indicates whether there were any interruptions in the administration of any of the three word lists. A code of 0 indicates that there were no interruptions. A code of 1 indicates that there was an interruption.

RwWORD_PROB indicates whether there were any interruptions in the administration of the word lists due to the respondent having difficulty hearing the words. A code of 0 indicates there were no issues with the respondent hearing the words. A code of 1 indicates there was an issue with the respondent hearing the words.

RwWORD1, RwWORD2, RwWORD3, and RwWORD_D are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In HRS HCAP, the word list is, "Butter, Arm, Shore, Letter, Queen, Cabin, Pole, Ticket, Grass, Engine". In the DAD study, we have changed some words that are culturally different for Indian population, so the resulting word list is "Butter, Arm, Corner, Letter, Queen, Book, Stick, Ticket, Grass, Stone".

Differences with Harmonized LASI

In DAD, respondents were asked to perform 3 trials of word recalls. The respondent repeats each word after the Interviewer. Each trial consists of the same words but in a different order each time. In the main LASI, there is only one trial for the word recall and the Respondents don't repeat the words after the Interviewer. The word list used in the main LASI is different from the word lists used in DAD.

DAD Variables Used

Wave 1 Cog:

DR100S1	delayed recall 1 butter
DR100S10	delayed recall 10 stone
DR100S2	delayed recall 2 arm
DR100S3	delayed recall 3 corner
DR100S4	delayed recall 4 letter
DR100S5	delayed recall 5 queen
DR100S6	delayed recall 6 book
DR100S7	delayed recall 7 stick
DR100S8	delayed recall 8 ticket
DR100S9	delayed recall 9 grass
WR102AS1	word recall 1 1 butter
WR102AS10	word recall 1 10 stone
WR102AS2	word recall 1 2 arm
WR102AS3	word recall 1 3 corner
WR102AS4	word recall 1 4 letter
WR102AS5	word recall 1 5 queen
WR102AS6	word recall 1 6 book
WR102AS7	word recall 1 7 stick
WR102AS8	word recall 1 8 ticket
WR102AS9	word recall 1 9 grass
WR102AS97	word recall 1 97 no words remembered
WR103AS1	trial list 2 recall 1 butter
WR103AS10	trial list 2 recall 10 stone
WR103AS2	trial list 2 recall 2 arm
WR103AS3	trial list 2 recall 3 corner
WR103AS4	trial list 2 recall 4 letter
WR103AS5	trial list 2 recall 5 queen
WR103AS6	trial list 2 recall 6 book
WR103AS7	trial list 2 recall 7 stick
WR103AS8	trial list 2 recall 8 ticket
WR103AS9	trial list 2 recall 9 grass
WR103AS97	trial list 2 recall 97 no words remembered
WR104AS1	trial list 3 recall 1 butter
WR104AS10	trial list 3 recall 10 stone
WR104AS2	trial list 3 recall 2 arm
WR104AS3	trial list 3 recall 3 corner
WR104AS4	trial list 3 recall 4 letter
WR104AS5	trial list 3 recall 5 queen
WR104AS6	trial list 3 recall 6 book
WR104AS7	trial list 3 recall 7 stick
WR104AS8	trial list 3 recall 8 ticket
WR104AS9	trial list 3 recall 9 grass
WR104AS97	trial list 3 recall 97 no words remembered
WR105S1	wr administration issues 1 an interruption oc

WR105S2 wr administration issues 2 an interruption oc
WR105S3 wr administration issues 3 an interruption oc
WR105S4 wr administration issues 4 respondent had dif

Word List Recognition

Wave	Variable	Label	Type
1	R1WRE_ORG	rlwre_org:w1 R word list recognition: original(0-10)	Categ
1	R1FWRE_ORG	rlfwre_org:impflag w1 r whether imputed value	Categ
1	R1WRE_FOIL	rlwre_foil:w1 R word list recognition: foil(0-10)	Categ
1	R1FWRE_FOIL	rlfwre_foil:impflag w1 r whether imputed value	Categ
1	R1WRE_SCORE	rlwre_score:w1 R word List Recognition(0-20)	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WRE_ORG	3224	8.07	2.43	0.00	10.00
R1FWRE_ORG	3224	0.20	0.84	0.00	4.00
R1WRE_FOIL	3224	7.92	2.84	0.00	10.00
R1FWRE_FOIL	3224	0.20	0.84	0.00	4.00
R1WRE_SCORE	3224	15.99	3.61	0.00	20.00

Categorical Variable Codes

Value	R1WRE_ORG
0	95
1	38
2	36
3	56
4	62
5	129
6	171
7	283
8	494
9	720
10	1140

Value	R1FWRE_ORG
0.Not imputed	3028
1.Dont know	46
2.Missing	3
4.Refused	147

Value	R1WRE_FOIL
0	169
1	52
2	52
3	70
4	89
5	89
6	165
7	223
8	338
9	654
10	1323

Value	R1FWRE_FOIL
0.Not imputed	3030

1.Dont know		46
2.Missing		3
4.Refused		145

How Constructed

Respondents are presented with a list of 20 words, half of which were previously presented to the respondent in an earlier part of the interview, and RwwRE_ORG counts the number of words that are correctly identified as repeated words. The repeated words include Butter, Arm, Corner, Letter, Queen, Book, Stick, Ticket, Grass, and Stone. RwwRE_FOIL counts the number of words correctly identified as new words, ones not previously seen in an earlier section of questionnaire. From a list of 20 words, 10 of the words were new words. These words include Temple, Tea, Key, Five, Hotel, Mountain, Slipper, Village, String, and Troops. The interviewer states that some of the words are from the list of words they read to the respondent earlier and some of the words have not been read to them before. As the interviewer reads aloud the list of 20 words, the respondent is asked to say "Yes" after a word if he/she heard it earlier. The respondent is asked to say "No" if a word was not heard earlier.

RwwRE_SCORE is the sum of RwwRE_ORG and RwwRE_FOIL, indicating the total number of correct responses given by the respondent.

Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

RwFWRE_ORG and RwFWRE_FOIL are flag variables, indicating whether the corresponding variable was assigned an imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In the HRS HCAP, the interviewer showed respondents a set of words printed on cards while in DAD, the interviewer read respondents a list of words. In the HRS HCAP, the words are "Church, Coffee, Dollar, Arm, Shore, Five, Letter, Hotel, Mountain, Queen, Cabin, Slipper, Pole, Village, String, Ticket, Troops, Grass, Engine" while in DAD, the words are "Temple, Tea, Key, Arm, Corner, Five, Letter, Hotel, Mountain, Queen, Book, Book, Slipper, Stick, Village, String, Ticket, Troops, Grass, Stone".

Differences with Harmonized LASI

This question was not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:	
WRE_100	temple
WRE_101	tea
WRE_102	butter
WRE_103	key
WRE_104	arm
WRE_105	corner
WRE_106	five
WRE_107	letter
WRE_108	hotel
WRE_109	mountain
WRE_110	queen
WRE_111	book
WRE_112	slipper

WRE_113	stick
WRE_114	village
WRE_115	string
WRE_116	ticket
WRE_117	troops
WRE_118	grass
WRE_119	stone

Logical Memory: Brave Man Story
--

Wave	Variable	Label	Type
1	R1BM_S1	r1bm_s1:w1 R Brave man immediate: story point 1(0-2)	Categ
1	R1FBM_S1	r1fbm_s1:impflag w1 r whether imputed value	Categ
1	R1BM_S2	r1bm_s2:w1 R Brave man immediate: story point 2(0-2)	Categ
1	R1FBM_S2	r1fbm_s2:impflag w1 r whether imputed value	Categ
1	R1BM_S3	r1bm_s3:w1 R Brave man immediate: story point 3(0-2)	Categ
1	R1FBM_S3	r1fbm_s3:impflag w1 r whether imputed value	Categ
1	R1BM_S4	r1bm_s4:w1 R Brave man immediate: story point 4(0-2)	Categ
1	R1FBM_S4	r1fbm_s4:impflag w1 r whether imputed value	Categ
1	R1BM_S5	r1bm_s5:w1 R Brave man immediate: story point 5(0-2)	Categ
1	R1FBM_S5	r1fbm_s5:impflag w1 r whether imputed value	Categ
1	R1BM_S6	r1bm_s6:w1 R Brave man immediate: story point 6(0-2)	Categ
1	R1FBM_S6	r1fbm_s6:impflag w1 r whether imputed value	Categ
1	R1BM_S7	r1bm_s7:w1 R Brave man immediate: story point 7(0-2)	Categ
1	R1FBM_S7	r1fbm_s7:impflag w1 r whether imputed value	Categ
1	R1BM_S8	r1bm_s8:w1 R Brave man immediate: story point 8(0-2)	Categ
1	R1FBM_S8	r1fbm_s8:impflag w1 r whether imputed value	Categ
1	R1BM_S9	r1bm_s9:w1 R Brave man immediate: story point 9(0-2)	Categ
1	R1FBM_S9	r1fbm_s9:impflag w1 r whether imputed value	Categ
1	R1BM_S10	r1bm_s10:w1 R Brave man immediate: story point 10(0-2)	Categ
1	R1FBM_S10	r1fbm_s10:impflag w1 r whether imputed value	Categ
1	R1BM_RS1	r1bm_rs1:w1 R Brave man recall: story point 1(0-2)	Categ
1	R1FBM_RS1	r1fbm_rs1:impflag w1 r whether imputed value	Categ
1	R1BM_RS2	r1bm_rs2:w1 R Brave man recall: story point 2(0-2)	Categ
1	R1FBM_RS2	r1fbm_rs2:impflag w1 r whether imputed value	Categ
1	R1BM_RS3	r1bm_rs3:w1 R Brave man recall: story point 3(0-2)	Categ
1	R1FBM_RS3	r1fbm_rs3:impflag w1 r whether imputed value	Categ
1	R1BM_RS4	r1bm_rs4:w1 R Brave man recall: story point 4(0-2)	Categ
1	R1FBM_RS4	r1fbm_rs4:impflag w1 r whether imputed value	Categ
1	R1BM_RS5	r1bm_rs5:w1 R Brave man recall: story point 5(0-2)	Categ

1	R1FBM_RS5	r1fbm_rs5:impflag w1 r whether imputed value	Categ
1	R1BM_RS6	r1bm_rs6:w1 R Brave man recall: story point 6(0-2)	Categ
1	R1FBM_RS6	r1fbm_rs6:impflag w1 r whether imputed value	Categ
1	R1BM_RS7	r1bm_rs7:w1 R Brave man recall: story point 7(0-2)	Categ
1	R1FBM_RS7	r1fbm_rs7:impflag w1 r whether imputed value	Categ
1	R1BM_RS8	r1bm_rs8:w1 R Brave man recall: story point 8(0-2)	Categ
1	R1FBM_RS8	r1fbm_rs8:impflag w1 r whether imputed value	Categ
1	R1BM_RS9	r1bm_rs9:w1 R Brave man recall: story point 9(0-2)	Categ
1	R1FBM_RS9	r1fbm_rs9:impflag w1 r whether imputed value	Categ
1	R1BM_RS10	r1bm_rs10:w1 R Brave man recall: story point 10(0-2)	Categ
1	R1FBM_RS10	r1fbm_rs10:impflag w1 r whether imputed value	Categ
1	R1BM_IMM	r1bm_imm:w1 R Brave man immediate: summary score, HRS compar	Cont
1	R1BM_IMM_D	r1bm_imm_d:w1 R Brave man immediate: summary score 2pts-exac	Cont
1	R1BM_RECL	r1bm_recl:w1 R Brave man recall: summary score,HRS comparabl	Cont
1	R1BM_RECL_D	r1bm_recl_d:w1 R Brave man recall: summary score 2pts-exact,	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BM_S1	3224	1.39	0.84	0.00	2.00
R1FBM_S1	3224	0.22	0.90	0.00	4.00
R1BM_S2	3224	0.68	0.81	0.00	2.00
R1FBM_S2	3224	0.22	0.90	0.00	4.00
R1BM_S3	3224	1.32	0.84	0.00	2.00
R1FBM_S3	3224	0.22	0.90	0.00	4.00
R1BM_S4	3224	0.79	0.77	0.00	2.00
R1FBM_S4	3224	0.22	0.90	0.00	4.00
R1BM_S5	3224	0.45	0.77	0.00	2.00
R1FBM_S5	3224	0.22	0.90	0.00	4.00
R1BM_S6	3224	0.72	0.85	0.00	2.00
R1FBM_S6	3224	0.22	0.90	0.00	4.00
R1BM_S7	3224	0.84	0.82	0.00	2.00
R1FBM_S7	3224	0.22	0.90	0.00	4.00

R1BM_S8	3224	0.60	0.84	0.00	2.00
R1FBM_S8	3224	0.22	0.90	0.00	4.00
R1BM_S9	3224	0.40	0.77	0.00	2.00
R1FBM_S9	3224	0.22	0.90	0.00	4.00
R1BM_S10	3224	0.42	0.74	0.00	2.00
R1FBM_S10	3224	0.22	0.90	0.00	4.00
R1BM_RS1	3224	0.79	0.94	0.00	2.00
R1FBM_RS1	3224	0.27	0.97	0.00	4.00
R1BM_RS2	3224	0.37	0.71	0.00	2.00
R1FBM_RS2	3224	0.27	0.97	0.00	4.00
R1BM_RS3	3224	0.73	0.92	0.00	2.00
R1FBM_RS3	3224	0.27	0.97	0.00	4.00
R1BM_RS4	3224	0.44	0.71	0.00	2.00
R1FBM_RS4	3224	0.27	0.97	0.00	4.00
R1BM_RS5	3224	0.22	0.60	0.00	2.00
R1FBM_RS5	3224	0.27	0.97	0.00	4.00
R1BM_RS6	3224	0.40	0.74	0.00	2.00
R1FBM_RS6	3224	0.27	0.97	0.00	4.00
R1BM_RS7	3224	0.47	0.76	0.00	2.00
R1FBM_RS7	3224	0.27	0.97	0.00	4.00
R1BM_RS8	3224	0.31	0.69	0.00	2.00
R1FBM_RS8	3224	0.27	0.97	0.00	4.00
R1BM_RS9	3224	0.19	0.57	0.00	2.00
R1FBM_RS9	3224	0.27	0.97	0.00	4.00
R1BM_RS10	3224	0.22	0.58	0.00	2.00
R1FBM_RS10	3224	0.27	0.97	0.00	4.00
R1BM_IMM	3224	5.39	3.20	0.00	12.00
R1BM_IMM_D	3224	7.60	4.86	0.00	20.00
R1BM_RECL	3224	2.95	3.56	0.00	12.00
R1BM_RECL_D	3224	4.15	5.22	0.00	20.00

Categorical Variable Codes

Value-----	R1BM_S1
0.Not correct, not mentioned	747
1.Approximate answer	467
2.Exact answer	2010
Value-----	R1FBM_S1
0.Not imputed	3017
1.Dont know	23
2.Missing	17
4.Refused	167
Value-----	R1BM_S2
0.Not correct, not mentioned	1748
1.Approximate answer	766
2.Exact answer	710
Value-----	R1FBM_S2
0.Not imputed	3017
1.Dont know	23
2.Missing	17
4.Refused	167
Value-----	R1BM_S3
0.Not correct, not mentioned	794
1.Approximate answer	608
2.Exact answer	1822
Value-----	R1FBM_S3
0.Not imputed	3017
1.Dont know	23
2.Missing	17
4.Refused	167
Value-----	R1BM_S4
0.Not correct, not mentioned	1355
1.Approximate answer	1182
2.Exact answer	687
Value-----	R1FBM_S4
0.Not imputed	3017
1.Dont know	23
2.Missing	17
4.Refused	167
Value-----	R1BM_S5
0.Not correct, not mentioned	2343
1.Approximate answer	316
2.Exact answer	565
Value-----	R1FBM_S5
0.Not imputed	3017
1.Dont know	23
2.Missing	17
4.Refused	167
Value-----	R1BM_S6
0.Not correct, not mentioned	1766
1.Approximate answer	608
2.Exact answer	850
Value-----	R1FBM_S6
0.Not imputed	3017
1.Dont know	23
2.Missing	17
4.Refused	167
Value-----	R1BM_S7
0.Not correct, not mentioned	1387
1.Approximate answer	966
2.Exact answer	871

Value-----	R1FBM_S7
0.Not imputed	3017
1.Dont know	23
2.Missing	17
4.Refused	167
Value-----	R1BM_S8
0.Not correct, not mentioned	2047
1.Approximate answer	416
2.Exact answer	761
Value-----	R1FBM_S8
0.Not imputed	3017
1.Dont know	23
2.Missing	17
4.Refused	167
Value-----	R1BM_S9
0.Not correct, not mentioned	2514
1.Approximate answer	142
2.Exact answer	568
Value-----	R1FBM_S9
0.Not imputed	3017
1.Dont know	23
2.Missing	17
4.Refused	167
Value-----	R1BM_S10
0.Not correct, not mentioned	2370
1.Approximate answer	355
2.Exact answer	499
Value-----	R1FBM_S10
0.Not imputed	3017
1.Dont know	23
2.Missing	17
4.Refused	167
Value-----	R1BM_RS1
0.Not correct, not mentioned	1827
1.Approximate answer	244
2.Exact answer	1153
Value-----	R1FBM_RS1
0.Not imputed	2963
1.Dont know	58
2.Missing	3
4.Refused	200
Value-----	R1BM_RS2
0.Not correct, not mentioned	2457
1.Approximate answer	328
2.Exact answer	439
Value-----	R1FBM_RS2
0.Not imputed	2963
1.Dont know	58
2.Missing	3
4.Refused	200
Value-----	R1BM_RS3
0.Not correct, not mentioned	1893
1.Approximate answer	295
2.Exact answer	1036
Value-----	R1FBM_RS3
0.Not imputed	2963
1.Dont know	58
2.Missing	3
4.Refused	200

Value-----	R1BM_RS4
0.Not correct, not mentioned	2221
1.Approximate answer	577
2.Exact answer	426
Value-----	R1FBM_RS4
0.Not imputed	2963
1.Dont know	58
2.Missing	3
4.Refused	200
Value-----	R1BM_RS5
0.Not correct, not mentioned	2808
1.Approximate answer	115
2.Exact answer	301
Value-----	R1FBM_RS5
0.Not imputed	2963
1.Dont know	58
2.Missing	3
4.Refused	200
Value-----	R1BM_RS6
0.Not correct, not mentioned	2438
1.Approximate answer	296
2.Exact answer	490
Value-----	R1FBM_RS6
0.Not imputed	2963
1.Dont know	58
2.Missing	3
4.Refused	200
Value-----	R1BM_RS7
0.Not correct, not mentioned	2248
1.Approximate answer	447
2.Exact answer	529
Value-----	R1FBM_RS7
0.Not imputed	2963
1.Dont know	58
2.Missing	3
4.Refused	200
Value-----	R1BM_RS8
0.Not correct, not mentioned	2627
1.Approximate answer	187
2.Exact answer	410
Value-----	R1FBM_RS8
0.Not imputed	2963
1.Dont know	58
2.Missing	3
4.Refused	200
Value-----	R1BM_RS9
0.Not correct, not mentioned	2880
1.Approximate answer	70
2.Exact answer	274
Value-----	R1FBM_RS9
0.Not imputed	2963
1.Dont know	58
2.Missing	3
4.Refused	200
Value-----	R1BM_RS10
0.Not correct, not mentioned	2796
1.Approximate answer	160
2.Exact answer	268

Value-----	R1FBM_RS10
0.Not imputed	2963
1.Dont know	58
2.Missing	3
4.Refused	200

How Constructed

RwBM_S1 - RwBM_S10 indicate how the respondent remembered the story's points. They are coded as follows: 0.Not correct, not mentioned, 1.Approximate answer, 2.Exact answer.

RwBM_IMM and RwBM_IMM_D are scores based on a brave man story read aloud to the respondent. After the story was read, the respondent was asked to repeat as much of the story as he/she could remember. The interviewer stated that the respondent should listen very carefully, as he/she will be asked to retell the story with as many details as possible. RwBM_IMM_D is calculated as the total score of RwBM_S1 - RwBM_S10, with scores ranging from 0-20. RwBM_IMM is the 6-point score converted from the 10-point score to be the same as in HRS HCAP, with scores ranging from 0-12.

RwBM_RS1 - RwBM_RS10 indicate how the respondent remembered the story points with a delay between the story and questions. They are coded as follows: 0.Not correct, not mentioned, 1.Approximate answer, 2.Exact answer.

RwBM_RECL and RwBM_RECL_D are scores based on the respondent's memory recall after a delay where the respondent was asked other survey questions. The interviewer reminded the respondent that 2 different stories were read aloud and asked the respondent to retell everything about the 2 stories that they could remember. The respondent is asked to think back to the first story and then the second story to recall as many details as possible. For the story BM, RwBM_RECL_D is calculated as the total score of RwBM_RS1 - RwBM_RS10, with scores ranging from 0-20. For the story BM, RwBM_RECL is the 6-point score converted from the 10-point score to be the same as in HRS HCAP, with scores ranging from 0-12.

Don't know responses are assigned special missing (.d). Refused responses are assigned special missing code (.r). Other missing is assigned special missing (.m).

RwFBM_S1 - RwFBM_S10 and RwFBM_RS1 - RwFBM_RS10 are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

Both HRS HCAP and LASI-DAD used the same story. However, HRS HCAP uses a 6-point scale while LASI-DAD uses a 10-point scale. To facilitate comparison across studies, the LASI-DAD's 10-point scores have also been converted to the 6-point scores used in HRS HCAP. Both HRS HCAP and DAD give scores for exact words and approximate answers.

Differences with Harmonized LASI

This question was not asked in Harmonized LASI.

DAD Variables Used

Wave 1 Cog:	
BM_1S1	bm1 - recall of story points 1 three children
BM_1S10	bm1 - recall of story points 10 all were well
BM_1S101	bm1 - recall of story points 101 three childr

BM_1S103	bm1 - recall of story points 103 house caught
BM_1S104	bm1 - recall of story points 104 brave man
BM_1S105	bm1 - recall of story points 105 climbed
BM_1S106	bm1 - recall of story points 106 back window
BM_1S107	bm1 - recall of story points 107 carry to saf
BM_1S108	bm1 - recall of story points 108 minor cuts
BM_1S109	bm1 - recall of story points 109 bruises
BM_1S110	bm1 - recall of story points 110 all were wel
BM_1S3	bm1 - recall of story points 3 house caught o
BM_1S4	bm1 - recall of story points 4 brave man
BM_1S5	bm1 - recall of story points 5 climbed
BM_1S6	bm1 - recall of story points 6 back window
BM_1S7	bm1 - recall of story points 7 carry to safet
BM_1S8	bm1 - recall of story points 8 minor cuts
BM_1S9	bm1 - recall of story points 9 bruises
LM2B_1B_S1	recall of story 1 points 1 three children
LM2B_1B_S10	recall of story 1 points 10 all were well
LM2B_1B_S101	recall of story 1 points 101 three children
LM2B_1B_S103	recall of story 1 points 103 house caught on
LM2B_1B_S104	recall of story 1 points 104 brave man
LM2B_1B_S105	recall of story 1 points 105 climbed
LM2B_1B_S106	recall of story 1 points 106 back window
LM2B_1B_S107	recall of story 1 points 107 carry to safety
LM2B_1B_S108	recall of story 1 points 108 minor cuts
LM2B_1B_S109	recall of story 1 points 109 bruises
LM2B_1B_S110	recall of story 1 points 110 all were well
LM2B_1B_S3	recall of story 1 points 3 house caught on fi
LM2B_1B_S4	recall of story 1 points 4 brave man
LM2B_1B_S5	recall of story 1 points 5 climbed
LM2B_1B_S6	recall of story 1 points 6 back window
LM2B_1B_S7	recall of story 1 points 7 carry to safety
LM2B_1B_S8	recall of story 1 points 8 minor cuts
LM2B_1B_S9	recall of story 1 points 9 bruises

Logical Memory: Robbery Story

Wave	Variable	Label	Type
1	R1LMB_S1	r1lmb_s1:w1 R Robbery story immediate: story point 1(0-2)	Categ
1	R1FLMB_S1	r1flmb_s1:impflag w1 r whether imputed value	Categ
1	R1LMB_S2	r1lmb_s2:w1 R Robbery story immediate: story point 2(0-2)	Categ
1	R1FLMB_S2	r1flmb_s2:impflag w1 r whether imputed value	Categ
1	R1LMB_S3	r1lmb_s3:w1 R Robbery story immediate: story point 3(0-2)	Categ
1	R1FLMB_S3	r1flmb_s3:impflag w1 r whether imputed value	Categ
1	R1LMB_S4	r1lmb_s4:w1 R Robbery story immediate: story point 4(0-2)	Categ
1	R1FLMB_S4	r1flmb_s4:impflag w1 r whether imputed value	Categ
1	R1LMB_S5	r1lmb_s5:w1 R Robbery story immediate: story point 5(0-2)	Categ
1	R1FLMB_S5	r1flmb_s5:impflag w1 r whether imputed value	Categ
1	R1LMB_S6	r1lmb_s6:w1 R Robbery story immediate: story point 6(0-2)	Categ
1	R1FLMB_S6	r1flmb_s6:impflag w1 r whether imputed value	Categ
1	R1LMB_S7	r1lmb_s7:w1 R Robbery story immediate: story point 7(0-2)	Categ
1	R1FLMB_S7	r1flmb_s7:impflag w1 r whether imputed value	Categ
1	R1LMB_S8	r1lmb_s8:w1 R Robbery story immediate: story point 8(0-2)	Categ
1	R1FLMB_S8	r1flmb_s8:impflag w1 r whether imputed value	Categ
1	R1LMB_S9	r1lmb_s9:w1 R Robbery story immediate: story point 9(0-2)	Categ
1	R1FLMB_S9	r1flmb_s9:impflag w1 r whether imputed value	Categ
1	R1LMB_S10	r1lmb_s10:w1 R Robbery story immediate: story point 10(0-2)	Categ
1	R1FLMB_S10	r1flmb_s10:impflag w1 r whether imputed value	Categ
1	R1LMB_S11	r1lmb_s11:w1 R Robbery story immediate: story point 11(0-2)	Categ
1	R1FLMB_S11	r1flmb_s11:impflag w1 r whether imputed value	Categ
1	R1LMB_S12	r1lmb_s12:w1 R Robbery story immediate: story point 12(0-2)	Categ
1	R1FLMB_S12	r1flmb_s12:impflag w1 r whether imputed value	Categ
1	R1LMB_S13	r1lmb_s13:w1 R Robbery story immediate: story point 13(0-2)	Categ
1	R1FLMB_S13	r1flmb_s13:impflag w1 r whether imputed value	Categ
1	R1LMB_S14	r1lmb_s14:w1 R Robbery story immediate: story point 14(0-2)	Categ
1	R1FLMB_S14	r1flmb_s14:impflag w1 r whether imputed value	Categ
1	R1LMB_S15	r1lmb_s15:w1 R Robbery story immediate: story point 15(0-2)	Categ

1	R1FLMB_S15	r1flmb_s15:impflag w1 r whether imputed value	Categ
1	R1LMB_S16	r1lmb_s16:w1 R Robbery story immediate: story point 16(0-2)	Categ
1	R1FLMB_S16	r1flmb_s16:impflag w1 r whether imputed value	Categ
1	R1LMB_S17	r1lmb_s17:w1 R Robbery story immediate: story point 17(0-2)	Categ
1	R1FLMB_S17	r1flmb_s17:impflag w1 r whether imputed value	Categ
1	R1LMB_S18	r1lmb_s18:w1 R Robbery story immediate: story point 18(0-2)	Categ
1	R1FLMB_S18	r1flmb_s18:impflag w1 r whether imputed value	Categ
1	R1LMB_S19	r1lmb_s19:w1 R Robbery story immediate: story point 19(0-2)	Categ
1	R1FLMB_S19	r1flmb_s19:impflag w1 r whether imputed value	Categ
1	R1LMB_S20	r1lmb_s20:w1 R Robbery story immediate: story point 20(0-2)	Categ
1	R1FLMB_S20	r1flmb_s20:impflag w1 r whether imputed value	Categ
1	R1LMB_S21	r1lmb_s21:w1 R Robbery story immediate: story point 21(0-2)	Categ
1	R1FLMB_S21	r1flmb_s21:impflag w1 r whether imputed value	Categ
1	R1LMB_S22	r1lmb_s22:w1 R Robbery story immediate: story point 22(0-2)	Categ
1	R1FLMB_S22	r1flmb_s22:impflag w1 r whether imputed value	Categ
1	R1LMB_S23	r1lmb_s23:w1 R Robbery story immediate: story point 23(0-2)	Categ
1	R1FLMB_S23	r1flmb_s23:impflag w1 r whether imputed value	Categ
1	R1LMB_S24	r1lmb_s24:w1 R Robbery story immediate: story point 24(0-2)	Categ
1	R1FLMB_S24	r1flmb_s24:impflag w1 r whether imputed value	Categ
1	R1LMB_S25	r1lmb_s25:w1 R Robbery story immediate: story point 25(0-2)	Categ
1	R1FLMB_S25	r1flmb_s25:impflag w1 r whether imputed value	Categ
1	R1LMB_RS1	r1lmb_rs1:w1 R Robbery story recall: story point 1(0-2)	Categ
1	R1FLMB_RS1	r1flmb_rs1:impflag w1 r whether imputed value	Categ
1	R1LMB_RS2	r1lmb_rs2:w1 R Robbery story recall: story point 2(0-2)	Categ
1	R1FLMB_RS2	r1flmb_rs2:impflag w1 r whether imputed value	Categ
1	R1LMB_RS3	r1lmb_rs3:w1 R Robbery story recall: story point 3(0-2)	Categ
1	R1FLMB_RS3	r1flmb_rs3:impflag w1 r whether imputed value	Categ
1	R1LMB_RS4	r1lmb_rs4:w1 R Robbery story recall: story point 4(0-2)	Categ
1	R1FLMB_RS4	r1flmb_rs4:impflag w1 r whether imputed value	Categ
1	R1LMB_RS5	r1lmb_rs5:w1 R Robbery story recall: story point 5(0-2)	Categ
1	R1FLMB_RS5	r1flmb_rs5:impflag w1 r whether imputed value	Categ

1	R1LMB_RS6	r1lmb_rs6:w1 R Robbery story recall: story point 6(0-2)	Categ
1	R1FLMB_RS6	r1flmb_rs6:impflag w1 r whether imputed value	Categ
1	R1LMB_RS7	r1lmb_rs7:w1 R Robbery story recall: story point 7(0-2)	Categ
1	R1FLMB_RS7	r1flmb_rs7:impflag w1 r whether imputed value	Categ
1	R1LMB_RS8	r1lmb_rs8:w1 R Robbery story recall: story point 8(0-2)	Categ
1	R1FLMB_RS8	r1flmb_rs8:impflag w1 r whether imputed value	Categ
1	R1LMB_RS9	r1lmb_rs9:w1 R Robbery story recall: story point 9(0-2)	Categ
1	R1FLMB_RS9	r1flmb_rs9:impflag w1 r whether imputed value	Categ
1	R1LMB_RS10	r1lmb_rs10:w1 R Robbery story recall: story point 10(0-2)	Categ
1	R1FLMB_RS10	r1flmb_rs10:impflag w1 r whether imputed value	Categ
1	R1LMB_RS11	r1lmb_rs11:w1 R Robbery story recall: story point 11(0-2)	Categ
1	R1FLMB_RS11	r1flmb_rs11:impflag w1 r whether imputed value	Categ
1	R1LMB_RS12	r1lmb_rs12:w1 R Robbery story recall: story point 12(0-2)	Categ
1	R1FLMB_RS12	r1flmb_rs12:impflag w1 r whether imputed value	Categ
1	R1LMB_RS13	r1lmb_rs13:w1 R Robbery story recall: story point 13(0-2)	Categ
1	R1FLMB_RS13	r1flmb_rs13:impflag w1 r whether imputed value	Categ
1	R1LMB_RS14	r1lmb_rs14:w1 R Robbery story recall: story point 14(0-2)	Categ
1	R1FLMB_RS14	r1flmb_rs14:impflag w1 r whether imputed value	Categ
1	R1LMB_RS15	r1lmb_rs15:w1 R Robbery story recall: story point 15(0-2)	Categ
1	R1FLMB_RS15	r1flmb_rs15:impflag w1 r whether imputed value	Categ
1	R1LMB_RS16	r1lmb_rs16:w1 R Robbery story recall: story point 16(0-2)	Categ
1	R1FLMB_RS16	r1flmb_rs16:impflag w1 r whether imputed value	Categ
1	R1LMB_RS17	r1lmb_rs17:w1 R Robbery story recall: story point 17(0-2)	Categ
1	R1FLMB_RS17	r1flmb_rs17:impflag w1 r whether imputed value	Categ
1	R1LMB_RS18	r1lmb_rs18:w1 R Robbery story recall: story point 18(0-2)	Categ
1	R1FLMB_RS18	r1flmb_rs18:impflag w1 r whether imputed value	Categ
1	R1LMB_RS19	r1lmb_rs19:w1 R Robbery story recall: story point 19(0-2)	Categ
1	R1FLMB_RS19	r1flmb_rs19:impflag w1 r whether imputed value	Categ
1	R1LMB_RS20	r1lmb_rs20:w1 R Robbery story recall: story point 20(0-2)	Categ
1	R1FLMB_RS20	r1flmb_rs20:impflag w1 r whether imputed value	Categ
1	R1LMB_RS21	r1lmb_rs21:w1 R Robbery story recall: story point 21(0-2)	Categ
1	R1FLMB_RS21	r1flmb_rs21:impflag w1 r whether imputed value	Categ

1	R1LMB_RS22	r1lmb_rs22:w1 R Robbery story recall: story point 22(0-2)	Categ
1	R1FLMB_RS22	r1flmb_rs22:impflag w1 r whether imputed value	Categ
1	R1LMB_RS23	r1lmb_rs23:w1 R Robbery story recall: story point 23(0-2)	Categ
1	R1FLMB_RS23	r1flmb_rs23:impflag w1 r whether imputed value	Categ
1	R1LMB_RS24	r1lmb_rs24:w1 R Robbery story recall: story point 24(0-2)	Categ
1	R1FLMB_RS24	r1flmb_rs24:impflag w1 r whether imputed value	Categ
1	R1LMB_RS25	r1lmb_rs25:w1 R Robbery story recall: story point 25(0-2)	Categ
1	R1FLMB_RS25	r1flmb_rs25:impflag w1 r whether imputed value	Categ
1	R1LMB_IMM	r1lmb_imm:w1 R Robbery story immediate:summaryscore,exact wo	Cont
1	R1LMB_IMM_D	r1lmb_imm_d:w1 R Robbery story immediate:summary score,with	Cont
1	R1LMB_RECL	r1lmb_recl:w1 R Robbery story recall: summary score,exact wo	Cont
1	R1LMB_RECL_D	r1lmb_recl_d:w1 R Robbery story recall: summary score,with g	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LMB_S1	3224	0.43	0.78	0.00	2.00
R1FLMB_S1	3224	0.21	0.73	0.00	4.00
R1LMB_S2	3224	0.52	0.85	0.00	2.00
R1FLMB_S2	3224	0.21	0.73	0.00	4.00
R1LMB_S3	3224	0.26	0.67	0.00	2.00
R1FLMB_S3	3224	0.21	0.73	0.00	4.00
R1LMB_S4	3224	0.56	0.89	0.00	2.00
R1FLMB_S4	3224	0.21	0.73	0.00	4.00
R1LMB_S5	3224	0.34	0.72	0.00	2.00
R1FLMB_S5	3224	0.21	0.73	0.00	4.00
R1LMB_S6	3224	0.41	0.78	0.00	2.00
R1FLMB_S6	3224	0.21	0.73	0.00	4.00
R1LMB_S7	3224	0.20	0.59	0.00	2.00
R1FLMB_S7	3224	0.21	0.73	0.00	4.00
R1LMB_S8	3224	0.21	0.60	0.00	2.00
R1FLMB_S8	3224	0.21	0.73	0.00	4.00
R1LMB_S9	3224	0.35	0.73	0.00	2.00

R1FLMB_S9	3224	0.21	0.73	0.00	4.00
R1LMB_S10	3224	0.52	0.86	0.00	2.00
R1FLMB_S10	3224	0.21	0.73	0.00	4.00
R1LMB_S11	3224	0.34	0.74	0.00	2.00
R1FLMB_S11	3224	0.21	0.73	0.00	4.00
R1LMB_S12	3224	0.06	0.34	0.00	2.00
R1FLMB_S12	3224	0.21	0.73	0.00	4.00
R1LMB_S13	3224	0.11	0.41	0.00	2.00
R1FLMB_S13	3224	0.21	0.73	0.00	4.00
R1LMB_S14	3224	0.03	0.23	0.00	2.00
R1FLMB_S14	3224	0.21	0.73	0.00	4.00
R1LMB_S15	3224	0.52	0.83	0.00	2.00
R1FLMB_S15	3224	0.21	0.73	0.00	4.00
R1LMB_S16	3224	0.48	0.80	0.00	2.00
R1FLMB_S16	3224	0.21	0.73	0.00	4.00
R1LMB_S17	3224	0.43	0.77	0.00	2.00
R1FLMB_S17	3224	0.21	0.73	0.00	4.00
R1LMB_S18	3224	0.57	0.83	0.00	2.00
R1FLMB_S18	3224	0.21	0.73	0.00	4.00
R1LMB_S19	3224	0.14	0.49	0.00	2.00
R1FLMB_S19	3224	0.21	0.73	0.00	4.00
R1LMB_S20	3224	0.25	0.62	0.00	2.00
R1FLMB_S20	3224	0.21	0.73	0.00	4.00
R1LMB_S21	3224	0.09	0.41	0.00	2.00
R1FLMB_S21	3224	0.21	0.73	0.00	4.00
R1LMB_S22	3224	0.66	0.93	0.00	2.00
R1FLMB_S22	3224	0.21	0.73	0.00	4.00
R1LMB_S23	3224	0.35	0.72	0.00	2.00
R1FLMB_S23	3224	0.21	0.73	0.00	4.00
R1LMB_S24	3224	0.60	0.86	0.00	2.00
R1FLMB_S24	3224	0.21	0.73	0.00	4.00
R1LMB_S25	3224	0.35	0.73	0.00	2.00

R1FLMB_S25	3224	0.21	0.73	0.00	4.00
R1LMB_RS1	3224	0.31	0.70	0.00	2.00
R1FLMB_RS1	3224	0.42	1.18	0.00	4.00
R1LMB_RS2	3224	0.33	0.73	0.00	2.00
R1FLMB_RS2	3224	0.42	1.18	0.00	4.00
R1LMB_RS3	3224	0.16	0.54	0.00	2.00
R1FLMB_RS3	3224	0.42	1.18	0.00	4.00
R1LMB_RS4	3224	0.39	0.78	0.00	2.00
R1FLMB_RS4	3224	0.42	1.18	0.00	4.00
R1LMB_RS5	3224	0.25	0.64	0.00	2.00
R1FLMB_RS5	3224	0.42	1.18	0.00	4.00
R1LMB_RS6	3224	0.29	0.69	0.00	2.00
R1FLMB_RS6	3224	0.42	1.18	0.00	4.00
R1LMB_RS7	3224	0.14	0.51	0.00	2.00
R1FLMB_RS7	3224	0.42	1.18	0.00	4.00
R1LMB_RS8	3224	0.17	0.54	0.00	2.00
R1FLMB_RS8	3224	0.42	1.18	0.00	4.00
R1LMB_RS9	3224	0.28	0.67	0.00	2.00
R1FLMB_RS9	3224	0.42	1.18	0.00	4.00
R1LMB_RS10	3224	0.38	0.77	0.00	2.00
R1FLMB_RS10	3224	0.42	1.18	0.00	4.00
R1LMB_RS11	3224	0.25	0.66	0.00	2.00
R1FLMB_RS11	3224	0.42	1.18	0.00	4.00
R1LMB_RS12	3224	0.06	0.33	0.00	2.00
R1FLMB_RS12	3224	0.42	1.18	0.00	4.00
R1LMB_RS13	3224	0.07	0.34	0.00	2.00
R1FLMB_RS13	3224	0.42	1.18	0.00	4.00
R1LMB_RS14	3224	0.04	0.26	0.00	2.00
R1FLMB_RS14	3224	0.42	1.18	0.00	4.00
R1LMB_RS15	3224	0.36	0.73	0.00	2.00
R1FLMB_RS15	3224	0.42	1.18	0.00	4.00

R1LMB_RS16	3224	0.39	0.75	0.00	2.00
R1FLMB_RS16	3224	0.42	1.18	0.00	4.00
R1LMB_RS17	3224	0.31	0.69	0.00	2.00
R1FLMB_RS17	3224	0.42	1.18	0.00	4.00
R1LMB_RS18	3224	0.37	0.73	0.00	2.00
R1FLMB_RS18	3224	0.42	1.18	0.00	4.00
R1LMB_RS19	3224	0.10	0.42	0.00	2.00
R1FLMB_RS19	3224	0.42	1.18	0.00	4.00
R1LMB_RS20	3224	0.17	0.52	0.00	2.00
R1FLMB_RS20	3224	0.42	1.18	0.00	4.00
R1LMB_RS21	3224	0.07	0.37	0.00	2.00
R1FLMB_RS21	3224	0.42	1.18	0.00	4.00
R1LMB_RS22	3224	0.48	0.85	0.00	2.00
R1FLMB_RS22	3224	0.42	1.18	0.00	4.00
R1LMB_RS23	3224	0.26	0.64	0.00	2.00
R1FLMB_RS23	3224	0.42	1.18	0.00	4.00
R1LMB_RS24	3224	0.44	0.79	0.00	2.00
R1FLMB_RS24	3224	0.42	1.18	0.00	4.00
R1LMB_RS25	3224	0.26	0.66	0.00	2.00
R1FLMB_RS25	3224	0.42	1.18	0.00	4.00
R1LMB_IMM	3224	3.86	4.12	0.00	24.00
R1LMB_IMM_D	3224	4.55	4.36	0.00	25.00
R1LMB_RECL	3224	2.83	4.14	0.00	25.00
R1LMB_RECL_D	3224	3.26	4.43	0.00	25.00

Categorical Variable Codes

Value-----	R1LMB_S1
0.Not correct, not mentioned	2419
1.Approximate answer	221
2.Exact answer	584
Value-----	R1FLMB_S1
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S2
0.Not correct, not mentioned	2302

1.Approximate answer	157
2.Exact answer	765
Value-----	R1FLMB_S2
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S3
0.Not correct, not mentioned	2778
1.Approximate answer	44
2.Exact answer	402
Value-----	R1FLMB_S3
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S4
0.Not correct, not mentioned	2303
1.Approximate answer	40
2.Exact answer	881
Value-----	R1FLMB_S4
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S5
0.Not correct, not mentioned	2586
1.Approximate answer	170
2.Exact answer	468
Value-----	R1FLMB_S5
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S6
0.Not correct, not mentioned	2497
1.Approximate answer	141
2.Exact answer	586
Value-----	R1FLMB_S6
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S7
0.Not correct, not mentioned	2871
1.Approximate answer	57
2.Exact answer	296
Value-----	R1FLMB_S7
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S8
0.Not correct, not mentioned	2850
1.Approximate answer	69
2.Exact answer	305
Value-----	R1FLMB_S8
0.Not imputed	2948

1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S9
0.Not correct, not mentioned	2607
1.Approximate answer	119
2.Exact answer	498
Value-----	R1FLMB_S9
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S10
0.Not correct, not mentioned	2340
1.Approximate answer	87
2.Exact answer	797
Value-----	R1FLMB_S10
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S11
0.Not correct, not mentioned	2664
1.Approximate answer	28
2.Exact answer	532
Value-----	R1FLMB_S11
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S12
0.Not correct, not mentioned	3103
1.Approximate answer	33
2.Exact answer	88
Value-----	R1FLMB_S12
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S13
0.Not correct, not mentioned	2975
1.Approximate answer	139
2.Exact answer	110
Value-----	R1FLMB_S13
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S14
0.Not correct, not mentioned	3166
1.Approximate answer	19
2.Exact answer	39
Value-----	R1FLMB_S14
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S15

0.Not correct, not mentioned	2255
1.Approximate answer	255
2.Exact answer	714
Value-----	R1FLMB_S15
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S16
0.Not correct, not mentioned	2304
1.Approximate answer	289
2.Exact answer	631
Value-----	R1FLMB_S16
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S17
0.Not correct, not mentioned	2399
1.Approximate answer	261
2.Exact answer	564
Value-----	R1FLMB_S17
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S18
0.Not correct, not mentioned	2116
1.Approximate answer	389
2.Exact answer	719
Value-----	R1FLMB_S18
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S19
0.Not correct, not mentioned	2947
1.Approximate answer	94
2.Exact answer	183
Value-----	R1FLMB_S19
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S20
0.Not correct, not mentioned	2719
1.Approximate answer	190
2.Exact answer	315
Value-----	R1FLMB_S20
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S21
0.Not correct, not mentioned	3056
1.Approximate answer	33
2.Exact answer	135
Value-----	R1FLMB_S21

0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S22
0.Not correct, not mentioned	2136
1.Approximate answer	52
2.Exact answer	1036
Value-----	R1FLMB_S22
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S23
0.Not correct, not mentioned	2572
1.Approximate answer	173
2.Exact answer	479
Value-----	R1FLMB_S23
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S24
0.Not correct, not mentioned	2100
1.Approximate answer	311
2.Exact answer	813
Value-----	R1FLMB_S24
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_S25
0.Not correct, not mentioned	2604
1.Approximate answer	117
2.Exact answer	503
Value-----	R1FLMB_S25
0.Not imputed	2948
1.Dont know	30
2.Missing	176
4.Refused	70
Value-----	R1LMB_RS1
0.Not correct, not mentioned	2656
1.Approximate answer	134
2.Exact answer	434
Value-----	R1FLMB_RS1
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS2
0.Not correct, not mentioned	2643
1.Approximate answer	90
2.Exact answer	491
Value-----	R1FLMB_RS2
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309

Value-----	R1LMB_RS3
0.Not correct, not mentioned	2953
1.Approximate answer	15
2.Exact answer	256
Value-----	R1FLMB_RS3
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS4
0.Not correct, not mentioned	2586
1.Approximate answer	29
2.Exact answer	609
Value-----	R1FLMB_RS4
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS5
0.Not correct, not mentioned	2772
1.Approximate answer	90
2.Exact answer	362
Value-----	R1FLMB_RS5
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS6
0.Not correct, not mentioned	2710
1.Approximate answer	84
2.Exact answer	430
Value-----	R1FLMB_RS6
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS7
0.Not correct, not mentioned	2976
1.Approximate answer	31
2.Exact answer	217
Value-----	R1FLMB_RS7
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS8
0.Not correct, not mentioned	2934
1.Approximate answer	46
2.Exact answer	244
Value-----	R1FLMB_RS8
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS9
0.Not correct, not mentioned	2739
1.Approximate answer	77
2.Exact answer	408

Value-----	R1FLMB_RS9
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS10
0.Not correct, not mentioned	2587
1.Approximate answer	63
2.Exact answer	574
Value-----	R1FLMB_RS10
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS11
0.Not correct, not mentioned	2807
1.Approximate answer	13
2.Exact answer	404
Value-----	R1FLMB_RS11
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS12
0.Not correct, not mentioned	3121
1.Approximate answer	19
2.Exact answer	84
Value-----	R1FLMB_RS12
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS13
0.Not correct, not mentioned	3064
1.Approximate answer	86
2.Exact answer	74
Value-----	R1FLMB_RS13
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS14
0.Not correct, not mentioned	3159
1.Approximate answer	14
2.Exact answer	51
Value-----	R1FLMB_RS14
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS15
0.Not correct, not mentioned	2563
1.Approximate answer	164
2.Exact answer	497
Value-----	R1FLMB_RS15
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309

Value-----	R1LMB_RS16
0.Not correct, not mentioned	2500
1.Approximate answer	197
2.Exact answer	527
Value-----	R1FLMB_RS16
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS17
0.Not correct, not mentioned	2655
1.Approximate answer	153
2.Exact answer	416
Value-----	R1FLMB_RS17
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS18
0.Not correct, not mentioned	2523
1.Approximate answer	209
2.Exact answer	492
Value-----	R1FLMB_RS18
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS19
0.Not correct, not mentioned	3034
1.Approximate answer	56
2.Exact answer	134
Value-----	R1FLMB_RS19
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS20
0.Not correct, not mentioned	2882
1.Approximate answer	138
2.Exact answer	204
Value-----	R1FLMB_RS20
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS21
0.Not correct, not mentioned	3091
1.Approximate answer	25
2.Exact answer	108
Value-----	R1FLMB_RS21
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS22
0.Not correct, not mentioned	2436
1.Approximate answer	24
2.Exact answer	764

Value-----	R1FLMB_RS22
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS23
0.Not correct, not mentioned	2737
1.Approximate answer	131
2.Exact answer	356
Value-----	R1FLMB_RS23
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS24
0.Not correct, not mentioned	2401
1.Approximate answer	224
2.Exact answer	599
Value-----	R1FLMB_RS24
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309
Value-----	R1LMB_RS25
0.Not correct, not mentioned	2759
1.Approximate answer	85
2.Exact answer	380
Value-----	R1FLMB_RS25
0.Not imputed	2786
1.Dont know	126
2.Missing	3
4.Refused	309

How Constructed

RwLMB_S1 - RwLMB_S25 indicate how well the respondent remembered the robber story's points immediately after hearing it. They are coded as follows: 0.Not correct, not mentioned, 1.Approximate answer, 2.Exact answer.

RwLMB_IMM and RwLMB_IMM_D are scores based on the robbery story that was read aloud to the respondent. After the story was read, the respondent was asked to retell as much of the story that he/she could remember. Before the story was read, the interviewer stated that the respondent should listen carefully as he/she will be asked to retell the story with as many details as the respondent can remember.

RwLMB_IMM indicates the number of exact story points the respondent was able to recall when retelling a story immediately after it was read aloud to him/her. Scores range from 0-24.

RwLMB_IMM_D indicates the total score of exact story points and approximate answers of RwLMB_S1 - RwLMB_S25. Exact answer is counted as 1 and approximate answer is counted as 0.5. Scores range from 0-25.

RwLMB_RS1 - RwLMB_RS10 indicate how well the respondent remembered the story points when there was a delay between the story and interview questions. They are coded as follows: 0.Not correct, not mentioned, 1.Approximate answer, 2.Exact answer.

RwLMB_RECL and RwLMB_RECL_D provide aggregate measures of how well respondents remembered the robbery story's plot after some time has elapsed. As a prompt for respondents to start recalling the story, the interviewer reminded the respondents that they had been read aloud 2 different stories earlier in the survey, and at that time, they had been asked to retell the

stories. The interviewer then asked if the respondents remembered anything from the stories at this later point in time. Respondents are first asked to think back to the first story and then the second story to recall as much as possible.

For the robbery story, RwlMB_RECL indicates the number of exact story points the respondent was able to recall about the robbery story when there was a delay between hearing the story and having to recall it. Scores range from 0-25.

RwlMB_RECL_D indicates the total score of the exact story points and approximate answers given in RwlMB_RS1 - RwlMB_RS25. An exact answer is counted as 1 and an approximate answer is counted as 0.5. Scores range from 0-25.

Don't know responses are assigned special missing (.d). Refused responses are assigned special missing code (.r). Other missing is assigned special missing (.m).

RwFLMB_S1 - RwFLMB_S10 and RwFLMB_RS1 - RwFLMB_RS10 are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In DAD, the stories' character names and places were changed so that the Indian population could relate to them. In addition, a score of 0.5 is assigned in the DAD for approximate answers.

Differences with Harmonized LASI

This question was not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:

LM1B_1S1	lmlb - recall of story points 1 manju
LM1B_1S10	lmlb - recall of story points 10 at the polic
LM1B_1S101	lmlb - recall of story points 101 manju
LM1B_1S102	lmlb - recall of story points 102 rani
LM1B_1S103	lmlb - recall of story points 103 from east
LM1B_1S104	lmlb - recall of story points 104 delhi
LM1B_1S105	lmlb - recall of story points 105 employed
LM1B_1S106	lmlb - recall of story points 106 as a cook
LM1B_1S107	lmlb - recall of story points 107 in a school
LM1B_1S108	lmlb - recall of story points 108 canteen
LM1B_1S109	lmlb - recall of story points 109 reported
LM1B_1S11	lmlb - recall of story points 11 station
LM1B_1S110	lmlb - recall of story points 110 at the poli
LM1B_1S111	lmlb - recall of story points 111 station
LM1B_1S112	lmlb - recall of story points 112 that she ha
LM1B_1S113	lmlb - recall of story points 113 at rannagar
LM1B_1S114	lmlb - recall of story points 114 the night b
LM1B_1S115	lmlb - recall of story points 115 and robbed
LM1B_1S116	lmlb - recall of story points 116 of two hund
LM1B_1S117	lmlb - recall of story points 117 she had fou
LM1B_1S118	lmlb - recall of story points 118 small child
LM1B_1S119	lmlb - recall of story points 119 the rent wa
LM1B_1S12	lmlb - recall of story points 12 that she had
LM1B_1S120	lmlb - recall of story points 120 and they ha
LM1B_1S121	lmlb - recall of story points 121 for two day

LM1B_1S122	lmlb - recall of story points 122 the police,
LM1B_1S123	lmlb - recall of story points 123 touched by
LM1B_1S124	lmlb - recall of story points 124 took up a c
LM1B_1S125	lmlb - recall of story points 125 for her
LM1B_1S13	lmlb - recall of story points 13 at ramnagar
LM1B_1S14	lmlb - recall of story points 14 the night be
LM1B_1S15	lmlb - recall of story points 15 and robbed
LM1B_1S16	lmlb - recall of story points 16 of two hundr
LM1B_1S17	lmlb - recall of story points 17 she had four
LM1B_1S18	lmlb - recall of story points 18 small childr
LM1B_1S19	lmlb - recall of story points 19 the rent was
LM1B_1S2	lmlb - recall of story points 2 rani
LM1B_1S20	lmlb - recall of story points 20 and they had
LM1B_1S21	lmlb - recall of story points 21 for two days
LM1B_1S22	lmlb - recall of story points 22 the police,
LM1B_1S23	lmlb - recall of story points 23 touched by t
LM1B_1S24	lmlb - recall of story points 24 took up a co
LM1B_1S25	lmlb - recall of story points 25 for her
LM1B_1S3	lmlb - recall of story points 3 from east
LM1B_1S4	lmlb - recall of story points 4 delhi
LM1B_1S5	lmlb - recall of story points 5 employed
LM1B_1S6	lmlb - recall of story points 6 as a cook
LM1B_1S7	lmlb - recall of story points 7 in a school
LM1B_1S8	lmlb - recall of story points 8 canteen
LM1B_1S9	lmlb - recall of story points 9 reported
LM1B_1S97	lmlb - recall of story points 97 r cannot rem
LM2B_1C_S1	recall of story 2 points 1 manju
LM2B_1C_S10	recall of story 2 points 10 at the police
LM2B_1C_S101	recall of story 2 points 101 manju
LM2B_1C_S102	recall of story 2 points 102 rani
LM2B_1C_S103	recall of story 2 points 103 from east
LM2B_1C_S104	recall of story 2 points 104 delhi
LM2B_1C_S105	recall of story 2 points 105 employed
LM2B_1C_S106	recall of story 2 points 106 as a cook
LM2B_1C_S107	recall of story 2 points 107 in a school
LM2B_1C_S108	recall of story 2 points 108 canteen
LM2B_1C_S109	recall of story 2 points 109 reported
LM2B_1C_S11	recall of story 2 points 11 station
LM2B_1C_S110	recall of story 2 points 110 at the police
LM2B_1C_S111	recall of story 2 points 111 station
LM2B_1C_S112	recall of story 2 points 112 that she had bee
LM2B_1C_S113	recall of story 2 points 113 at ramnagar junc
LM2B_1C_S114	recall of story 2 points 114 the night before
LM2B_1C_S115	recall of story 2 points 115 and robbed
LM2B_1C_S116	recall of story 2 points 116 of two hundred a
LM2B_1C_S117	recall of story 2 points 117 she had four
LM2B_1C_S118	recall of story 2 points 118 small children
LM2B_1C_S119	recall of story 2 points 119 the rent was due
LM2B_1C_S12	recall of story 2 points 12 that she had been
LM2B_1C_S120	recall of story 2 points 120 and they had not
LM2B_1C_S121	recall of story 2 points 121 for two days.
LM2B_1C_S122	recall of story 2 points 122 the police,
LM2B_1C_S123	recall of story 2 points 123 touched by the w
LM2B_1C_S124	recall of story 2 points 124 took up a collec
LM2B_1C_S125	recall of story 2 points 125 for her
LM2B_1C_S13	recall of story 2 points 13 at ramnagar junct
LM2B_1C_S14	recall of story 2 points 14 the night before
LM2B_1C_S15	recall of story 2 points 15 and robbed
LM2B_1C_S16	recall of story 2 points 16 of two hundred an
LM2B_1C_S17	recall of story 2 points 17 she had four
LM2B_1C_S18	recall of story 2 points 18 small children
LM2B_1C_S19	recall of story 2 points 19 the rent was due
LM2B_1C_S2	recall of story 2 points 2 rani

LM2B_1C_S20	recall of story 2 points 20 and they had not
LM2B_1C_S21	recall of story 2 points 21 for two days.
LM2B_1C_S22	recall of story 2 points 22 the police,
LM2B_1C_S23	recall of story 2 points 23 touched by the wo
LM2B_1C_S24	recall of story 2 points 24 took up a collect
LM2B_1C_S25	recall of story 2 points 25 for her
LM2B_1C_S3	recall of story 2 points 3 from east
LM2B_1C_S4	recall of story 2 points 4 delhi
LM2B_1C_S5	recall of story 2 points 5 employed
LM2B_1C_S6	recall of story 2 points 6 as a cook
LM2B_1C_S7	recall of story 2 points 7 in a school
LM2B_1C_S8	recall of story 2 points 8 canteen
LM2B_1C_S9	recall of story 2 points 9 reported

Logical Memory: Recall Problem

Wave	Variable	Label	Type
1	R1LOG_RCMIX	rllog_rcmix:w1 R logical memory recall-mix up	Categ
1	R1FLOG_RCMIX	rlflog_rcmix:impflag w1 r whether imputed value	Categ
1	R1LOG_WRON	rllog_wron:w1 R logical memory recall-wrong story	Categ
1	R1FLOG_WRON	rlflog_wron:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LOG_RCMIX	3224	0.11	0.31	0.00	1.00
R1FLOG_RCMIX	3224	0.40	1.03	0.00	4.00
R1LOG_WRON	3224	0.14	0.34	0.00	1.00
R1FLOG_WRON	3224	0.36	1.06	0.00	4.00

Categorical Variable Codes

Value	R1LOG_RCMIX
0.No	2883
1.Yes	341

Value	R1FLOG_RCMIX
0.Not imputed	2742
1.Dont know	48
2.Missing	253
4.Refused	181

Value	R1LOG_WRON
0.No	2781
1.Yes	443

Value	R1FLOG_WRON
0.Not imputed	2810
1.Dont know	114
2.Missing	73
4.Refused	227

How Constructed

RwLOG_RCMIX indicates whether the respondent confused or mixed up story points from story 1 and story 2.

RwLOG_WRON indicates whether the respondent mentioned story points that did not belong to either story.

Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

RwFLOG_RCMIX and RwFLOG_WRON are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

No differences known.

Differences with Harmonized LASI

This question was not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:

LM2_IWERCKPT1	iwcr checkpoint 1
LM2_IWERCKPT2	iwcr checkpoint 2

Logical Memory: Recognition (0-15)

Wave	Variable	Label	Type
1	R1LOG_RECO	rllog_reco:w1 R logical memory recognition score(0-15)	Cont
1	R1FLOG_RECO	rlflog_reco:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LOG_RECO	3224	7.47	3.21	0.00	15.00
R1FLOG_RECO	3224	0.41	1.11	0.00	4.00

Categorical Variable Codes

Value-----	R1FLOG_RECO
0.Not imputed	2743
1.Dont know	151
2.Missing	74
4.Refused	256

How Constructed

RwLOG_RECO is a score based on the respondent's number of correct answers when asked a series of questions about the second story that had been read to him/her earlier. The interviewer does not specify which story the second story was. Scores range from 0-15. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

RwFLOG_RECO is a flag variable, indicating whether the corresponding variable has an assigned imputed value. The flag variable is coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

Both HRS HCAP and DAD use 15-point scores, but in DAD, the stories' character names and places are changed so that the Indian population can relate to it.

Differences with Harmonized LASI

This question was not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:	
LM2B_10	report robbery at police station
LM2B_10A	lm2b_10 score
LM2B_11	robbed of 450 rupees
LM2B_11A	lm2b_11 score
LM2B_12	no food for 4 days
LM2B_12A	lm2b_12 score
LM2B_13	was rent due

LM2B_13A	lm2b_13 score
LM2B_14	police catch thief
LM2B_14A	lm2b_14 score
LM2B_15	police feel sorry
LM2B_15A	lm2b_15 score
LM2B_16	police take up collection
LM2B_16A	lm2b_16 score
LM2B_2	womans name
LM2B_2A	lm2b_2 score
LM2B_3	story location
LM2B_3A	lm2b_3 score
LM2B_4	cook
LM2B_4A	lm2b_4 score
LM2B_5	work in restaurant
LM2B_5A	lm2b_5 score
LM2B_6	have four children
LM2B_6A	lm2b_6 score
LM2B_7	children teens
LM2B_7A	lm2b_7 score
LM2B_8	robbery location
LM2B_8A	lm2b_ 8 score
LM2B_9	report robbery 2 nights before
LM2B_9A	lm2b_9 score

TICS

Wave	Variable	Label	Type
1	R1SCIS	rlscis:w1 R cognition scissors(0-1)	Categ
1	R1FSCIS	rlfscis:impflag w1 r whether imputed value	Categ
1	R1COCONUT	rlcoconut:w1 R cognition coconut(0-1)	Categ
1	R1FCOCONUT	rlfcoconut:impflag w1 r whether imputed value	Categ
1	R1PRIME	rlprime:w1 R cognition Prime Minister(0-1)	Categ
1	R1FPRIME	rlfprime:impflag w1 r whether imputed value	Categ
1	R1TICS_SCORE	rltics_score:w1 R TICS 3-item score(0-3)	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SCIS	3224	0.82	0.38	0.00	1.00
R1FSCIS	3224	0.05	0.41	0.00	4.00
R1COCONUT	3224	0.59	0.49	0.00	1.00
R1FCOCONUT	3224	0.13	0.54	0.00	4.00
R1PRIME	3224	0.59	0.49	0.00	1.00
R1FPRIME	3224	0.28	0.62	0.00	4.00
R1TICS_SCORE	3224	2.00	0.92	0.00	3.00

Categorical Variable Codes

Value-----	R1SCIS
0.Incorrect	568
1.Correct	2656

Value-----	R1FSCIS
0.Not imputed	3139
1.Dont know	53
2.Missing	2
4.Refused	30

Value-----	R1COCONUT
0.Incorrect	1335
1.Correct	1889

Value-----	R1FCOCONUT
0.Not imputed	2935
1.Dont know	241
2.Missing	2
4.Refused	46

Value-----	R1PRIME
0.Incorrect	1328
1.Correct	1896

Value-----	R1FPRIME
------------	----------

0.Not imputed		2473
1.Dont know		700
2.Missing		2
4.Refused		49
Value-----		RITICS_SCORE
0		222
1		705
2		1155
3		1142

How Constructed

RwSCIS indicates whether a respondent can name the item that people usually use to cut paper; the correct answers are scissors or shears.

RwCOCONUT indicates whether a respondent can name the fruit/thing that has a thick brown fibrous cover and water inside, with the correct answer being coconut.

RwPRIME indicates whether a respondent can name the current Prime Minister of India, with the correct answer being Modi.

RwSCIS, RwCOCONUT, and RwPRIME are assigned a 1 if the respondent answers correctly and a 0 if they do not answer correctly. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing codes (.r). Other missing is assigned special missing (.m).

RwTICS_SCORE indicates the number of correct responses between RwSCIS, RwCOCONUT, and RwPRIME. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

RwFSCIS, RwFCOCONUT, and RwFPRIME are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

HRS HCAP asked questions about Scissors or Shears, a Cactus, and the President of the United States, while DAD asked questions about Scissors or Shears, a Coconut, and the Prime Minister of India.

Differences with Harmonized LASI

This question was not asked in LASI.

DAD Variables Used

Wave 1 Cog:	
HT102_SCISSORS	cut paper
HT103_COCONUT	name coconut
HT104_PM	current prime minister

Digit Span

Wave	Variable	Label	Type
1	R1DS_FOR	rlds_for:w1 R digit span forward(0-1)	Categ
1	R1FDS_FOR	rlfds_for:impflag w1 r whether imputed value	Categ
1	R1DS_BACK	rlds_back:w1 R digit span backward(0-1)	Categ
1	R1FDS_BACK	rlfds_back:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DS_FOR	3224	0.28	0.45	0.00	1.00
R1FDS_FOR	3224	0.20	0.86	0.00	4.00
R1DS_BACK	3224	0.30	0.46	0.00	1.00
R1FDS_BACK	3224	0.24	0.92	0.00	4.00

Categorical Variable Codes

Value-----	R1DS_FOR
0.Incorrect	2319
1.Correct	905
Value-----	R1FDS_FOR
0.Not imputed	3030
1.Dont know	38
2.Missing	2
4.Refused	154
Value-----	R1DS_BACK
0.Incorrect	2260
1.Correct	964
Value-----	R1FDS_BACK
0.Not imputed	2983
1.Dont know	60
2.Missing	2
4.Refused	179

How Constructed

RwDS_FOR indicates whether the respondent was able to repeat 5 digits correctly in forward order after the digits were read aloud by the interviewer. RwDS_BACK indicates whether the respondent was able to repeat 3 digits correctly in backwards order after the digits were read aloud by the interviewer. RwDS_FOR and RwDS_BACK are assigned a 1 if correctly repeated and a 0 if incorrectly repeated.

Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

RwFDS_FOR and RwFDS_BACK are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

These tests are not included in the HRS HCAP.

Differences with Harmonized LASI

This question was not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:

DS001

digits repeated in forward order

DS002

digits in backward order

Verbal Fluency

Wave	Variable	Label	Type
1	R1VERBAL	rlverbal:w1 R verbal fluency:animal naming-correct	Cont
1	R1FVERBAL	rlfverbal:impflag w1 r whether imputed value	Categ
1	R1VERBAL_INC	rlverbal_inc:w1 R verbal fluency:animal naming-incorrect	Cont
1	R1FVERBAL_IN	rlfverbal_inc:impflag w1 r whether imputed value	Categ
1	R1VERBAL_PRB	rlverbal_prb:w1 R verbal fluency:animal naming-problem	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1VERBAL	3224	11.51	4.92	0.00	70.00
R1FVERBAL	3224	0.11	0.65	0.00	4.00
R1VERBAL_INC	3224	0.14	0.67	0.00	16.00
R1FVERBAL_IN	3224	0.15	0.68	0.00	4.00
R1VERBAL_PRB	3138	0.03	0.17	0.00	1.00

Categorical Variable Codes

Value	R1FVERBAL
0.Not imputed	3123
1.Dont know	10
2.Missing	5
4.Refused	86

Value	R1FVERBAL_IN
0.Not imputed	3052
1.Dont know	9
2.Missing	88
4.Refused	75

Value	R1VERBAL_PRB
.r:Refuse	86
0.No	3046
1.Yes	92

How Constructed

RwVERBAL indicates the number of correct animals that the respondent names. The respondent has 60 seconds to name as many and as fast as they can. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

RwVERBAL_INC indicates the number of incorrect animals the respondent names in the 60 seconds window. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

RwVERBAL_PRB indicates whether any problems occurred while the respondent was naming animals. A 1 is assigned if there was an interruption during the 60 second response period, a technical/computer problem, the respondent did not understand the task, or another issue

occurred. A 0 is assigned if there were no issues. Refused responses are assigned special missing (.r).

RwFVERBAL and RwFVERBAL_IN are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In HRS HCAP, repeated animals are counted as incorrect, while in DAD, the total animals named, the number of incorrect names, and the number of repetitions are recorded separately. The response period was 45 seconds in HRS HCAP and 60 seconds in DAD. Thus, the question about whether any problems occurred while the respondent was naming animals references a response period of 45 seconds in the HRS HCAP and takes on the value of 2 if the "Iwer exceeded 45 second response period". In DAD, the question references a response period of 60 seconds and does not have a value for exceeding the response period.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 Cog:

RF103_ANIMALSANSWERS	total animal answers
RF105_ANIMALNUMINCORRECT	number of incorrect animal names given
RF106_ANIMALPROBLEMSS1	problems that occurred while naming animals 1
RF106_ANIMALPROBLEMSS3	problems that occurred while naming animals 3
RF106_ANIMALPROBLEMSS4	problems that occurred while naming animals 4
RF106_ANIMALPROBLEMSS5	problems that occurred while naming animals 5

Symbol Cancellation

Wave	Variable	Label	Type
1	R1SC_ANW	rlsc_anw:w1 R symbol cancellations	Cont
1	R1FSC_ANW	rlfsc_anw:impflag w1 r whether imputed value	Categ
1	R1SC_WR	rlsc_wr:w1 R symbol cancellation wrong	Cont
1	R1FSC_WR	rlfsc_wr:impflag w1 r whether imputed value	Categ
1	R1SC_SCORE	rlsc_score:w1 R symbol cancellation score	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SC_ANW	3224	8.41	8.53	0.00	60.00
R1FSC_ANW	3224	0.11	0.71	0.00	8.00
R1SC_WR	3224	2.00	3.33	0.00	27.00
R1FSC_WR	3224	0.10	0.62	0.00	7.00
R1SC_SCORE	3224	7.06	8.67	0.00	60.00

Categorical Variable Codes

Value-----	R1FSC_ANW
0.Not imputed	3131
1.Dont know	15
2.Missing	7
4.Refused	59
7.No score	6
8.Bad image	6

Value-----	R1FSC_WR
0.Not imputed	3132
1.Dont know	21
2.Missing	7
4.Refused	58
7.No score	6

How Constructed

RwSC_ANW, RwSC_WR, and RwSC_SCORE pertain to a task in which respondents are asked to find figures that match a given figure shown to them. The respondent is asked to find as many matching figures as he/she can and draw a circle around each matching figure. The interviewer demonstrates to the respondent how the circle should be drawn in the middle of the page. The respondent is instructed to start from the top left corner of the page, go line by line, and work as fast as he/she can until the interviewer says to stop. The interviewer starts counting when the respondent circles the first figure and stops the respondent after 60 seconds. Circling at random is not allowed; if this starts to happen, the respondents are reminded to go from left to right, line by line.

RwSC_ANW indicates the number of symbol cancellations. RwSC_WR indicates the number of incorrect symbol cancellations. RwSC_SCORE indicates the difference between the number of correct and incorrect cancellations; it is coded so that it is never less than 0. Cases where the respondent's uploaded images are blurry and unreadable are assigned special missing (.b).

If the respondent's score is not yet available, special missing (.z) is assigned. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

RwFSC_ANW and RwFSC_WR are flag variables, indicating whether the corresponding variable has an assigned imputed value. RwFSC_ANW is coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 4.Refused, 7.No Score, and 8.Bad image. RwFSC_WR is coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 4.Refused, and 7.No score. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

HRS HCAP uses a Digit Symbol test. As most of the age 60 and above population in India is illiterate, DAD replaced the Digit Symbol test with the Symbol Cancellation test, an assessment that does not rely on literacy. The Symbol Cancellation test was taken from the "Mexican Health and Aging Study (MHAS)".

Differences with Harmonized LASI

This question was not asked in LASI.

DAD Variables Used

Wave 1 Cog:

SC001	phase 1
SC002	phase 1 wrong
SC1_CORRECT	correctly circled
SC1_INCORRECT	incorrectly circled

Constructional Praxis

Wave	Variable	Label	Type
1	R1CP_CIRCLE	rlcp_circle:w1 R circle drawing score(0-2)	Categ
1	R1FCP_CIRCLE	rlfcp_circle:impflag w1 r whether imputed value	Categ
1	R1CP_RECTAN	rlcp_rectan:w1 R drew a rectangle(0-2)	Categ
1	R1FCP_RECTAN	rlfcp_rectan:impflag w1 r whether imputed value	Categ
1	R1CP_CUBE	rlcp_cube:w1 R drew a cube(0-4)	Categ
1	R1FCP_CUBE	rlfcp_cube:impflag w1 r whether imputed value	Categ
1	R1CP_DIAMON	rlcp_diamon:w1 R drew a diamond(0-3)	Categ
1	R1FCP_DIAMON	rlfcp_diamon:impflag w1 r whether imputed value	Categ
1	R1CP_SCORE	rlcp_score:w1 R Constructional Praxis score(0-11)	Categ
1	R1CPR_CIRCLE	rlcpr_circle:w1 R drew a circle-recall(0-2)	Categ
1	R1FCPR_CIRCL	rlfcpr_circle:impflag w1 r whether imputed value	Categ
1	R1CPR_RECTAN	rlcpr_rectan:w1 R drew a rectangle-recall(0-2)	Categ
1	R1FCPR_RECTA	rlfcpr_rectan:impflag w1 r whether imputed value	Categ
1	R1CPR_CUBE	rlcpr_cube:w1 R drew a cube-recall(0-4)	Categ
1	R1FCPR_CUBE	rlfcpr_cube:impflag w1 r whether imputed value	Categ
1	R1CPR_DIAMON	rlcpr_diamon:w1 R drew a diamond-recall(0-3)	Categ
1	R1FCPR_DIAMO	rlfcpr_diamon:impflag w1 r whether imputed value	Categ
1	R1CPR_SCORE	rlcpr_score:w1 R Constructional Praxis score-recall(0-11)	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1CP_CIRCLE	3224	1.82	0.57	0.00	2.00
R1FCP_CIRCLE	3224	0.28	0.97	0.00	8.00
R1CP_RECTAN	3224	1.26	0.90	0.00	2.00
R1FCP_RECTAN	3224	0.31	1.04	0.00	8.00
R1CP_CUBE	3224	0.84	1.47	0.00	4.00
R1FCP_CUBE	3224	0.36	1.09	0.00	8.00
R1CP_DIAMON	3224	1.63	1.35	0.00	3.00
R1FCP_DIAMON	3224	0.30	1.01	0.00	8.00
R1CP_SCORE	3224	5.55	3.29	0.00	11.00

R1CPR_CIRCLE	3224	1.03	1.00	0.00	2.00
R1FCPR_CIRCL	3224	0.49	1.32	0.00	8.00
R1CPR_RECTAN	3224	0.62	0.88	0.00	2.00
R1FCPR_RECTA	3224	0.54	1.35	0.00	8.00
R1CPR_CUBE	3224	0.23	0.86	0.00	4.00
R1FCPR_CUBE	3224	0.63	1.42	0.00	8.00
R1CPR_DIAMON	3224	0.74	1.24	0.00	3.00
R1FCPR_DIAMO	3224	0.53	1.33	0.00	8.00
R1CPR_SCORE	3224	2.61	2.72	0.00	11.00

Categorical Variable Codes

Value-----	R1CP_CIRCLE
0	285
1	23
2	2916

Value-----	R1FCP_CIRCLE
0.Not imputed	2961
1.Dont know	10
2.Missing	26
3.Not Assessed	103
4.Refused	119
8.Bad image	5

Value-----	R1CP_RECTAN
0	1004
1	384
2	1836

Value-----	R1FCP_RECTAN
0.Not imputed	2928
1.Dont know	14
2.Missing	24
3.Not Assessed	111
4.Refused	140
8.Bad image	7

Value-----	R1CP_CUBE
0	2362
1	44
2	181
3	248
4	389

Value-----	R1FCP_CUBE
0.Not imputed	2882
1.Dont know	17
2.Missing	20
3.Not Assessed	135
4.Refused	165
8.Bad image	5

Value-----	R1CP_DIAMON
0	1241
1	44
2	596
3	1343

Value-----	R1FCP_DIAMON
0.Not imputed	2942
1.Dont know	11
2.Missing	26
3.Not Assessed	114
4.Refused	124
8.Bad image	7

Value-----	R1CP_SCORE
0	263
1	22
2	539
3	134
4	400
5	149
6	371
7	539
8	94
9	168
10	223
11	322

Value-----	R1CPR_CIRCLE
0	1563
1	8
2	1653

Value-----	R1FCPR_CIRCL
0.Not imputed	2742
1.Dont know	71
2.Missing	25
3.Not Assessed	186
4.Refused	172
8.Bad image	28

Value-----	R1CPR_RECTAN
0	2088
1	272
2	864

Value-----	R1FCPR_RECTA
0.Not imputed	2701
1.Dont know	75
2.Missing	17
3.Not Assessed	215
4.Refused	189
8.Bad image	27

Value-----	R1CPR_CUBE
0	2986
1	16
2	47
3	67
4	108

Value-----	R1FCPR_CUBE
0.Not imputed	2605
1.Dont know	85
2.Missing	9
3.Not Assessed	272
4.Refused	229
8.Bad image	24

Value-----	R1CPR_DIAMON
0	2351
1	22
2	204
3	647

Value-----	R1FCPR_DIAMO
------------	--------------

0.Not imputed	2679
1.Dont know	80
2.Missing	63
3.Not Assessed	228
4.Refused	145
8.Bad image	29
Value-----	R1CPR_SCORE
0	1152
1	69
2	758
3	164
4	347
5	216
6	138
7	224
8	41
9	38
10	30
11	47

How Constructed

The following variables pertain to a series of questions asking the respondent to draw a shape. The respondent is asked to draw a circle, overlapping rectangles, a cube, and a diamond. Respondents are presented with each shape and asked to draw that shape freehand. The respondent is given one or two minutes to draw the figure with a pencil to allow for erasing errors. The interviewer is allowed to repeat the instructions once if the respondent does not understand the first time. If the respondent cannot draw the figure in the allotted time, the interviewer is instructed to reassure the respondent and select "Respondent Cannot Draw". Multiple self-starts were allowed but repeated attempts were not encouraged.

RwCP_CIRCLE indicates whether a respondent successfully drew a circle. RwCP_CIRCLE ranges from 0-2. If the respondent drew a circular shape and drew a closed circle (within 1/8''), 2 is coded. If the respondent drew a circular shape but did not draw a closed circle (within 1/8''), 1 is coded. If the respondent did not draw a circular shape, 0 is coded.

RwCP_RECTANGLE indicates whether a respondent successfully drew two overlapping rectangles. RwCP_RECTANGLE ranges from 0-2. If the respondent drew two 4-sided, overlapping figures that resembled the original picture, a 2 is coded. If the respondent drew two 4-sided figures but the overlapping sections did not resemble the original picture, a 1 is coded. If the respondent did not draw two 4-sided figures, a 0 is coded.

RwCP_CUBE indicates whether a respondent successfully drew a cube. RwCP_CUBE ranges from 0-4. If the respondent drew a 3-dimensional figure, drew the frontal face correctly oriented (either left or right), drew the internal lines correctly, and drew the opposite sides parallel with each other (within 10 degrees), a 4 is coded. If the respondent drew a 3-dimensional figure, drew the frontal face correctly oriented (either left or right), and drew the internal lines correctly, a 3 is coded. If the respondent drew a 3-dimensional figure and drew the frontal face correctly oriented (either left or right), a 2 is coded. If the respondent drew a 3-dimensional figure, a 1 is coded. If the respondent did not draw a 3-dimensional figure, a 0 is coded.

RwCP_DIAMOND indicates whether a respondent successfully drew a diamond. RwCP_DIAMOND ranges from 0-3. If the respondent drew a 4-sided figure, closed all 4 angles of the figure (within 1/8''), and drew sides of approximately equal length, a 3 is assigned. If the respondent drew four sides, closed all 4 angles of the figure (within 1/8''), but did not draw sides of approximately equal length, a 2 is assigned. If the respondent drew four sides but did not close all 4 angles of the figure (within 1/8''), a 1 is assigned. If the respondent did not draw a 4-sided figure, a 0 is assigned.

RwCP_SCORE provides the total score between RwCP_CIRCLE, RwCP_RECTANGLE, RwCP_CUBE, and RwCP_DIAMOND.

Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Cases where the uploaded respondent's images were blurry were assigned special missing (.b). Cases where scores are not yet available are assigned special missing (.z). If the respondent cannot draw, special missing (.n) is assigned as "Not Assessed". "Not Assessed" option was marked only if the respondent has some physical disability that prevented him/her from performing the test. Other missing is assigned as special missing (.m).

The following variables pertain to a series of questions asking the respondent to draw from memory the same figures that he/she previously drew in the interview: a circle, two overlapping rectangles, a cube, and a diamond. The respondent is given a sheet of paper to draw the shapes and allowed up to 8 minutes to draw all 4 shapes.

The results of this second batch of drawings are stored in the variables RWCPR_CIRCLE, RWCPR_RECTANGLE, RWCPR_CUBE, and RWCPR_DIAMOND, with the same scoring rules applied as in the first set of drawings. RWCPR_SCORE provides the total score between RWCPR_CIRCLE, RWCPR_RECTANGLE, RWCPR_CUBE, and RWCPR_DIAMOND.

RWFCP_CIRCLE, RWFCP_RECTAN, RWFCP_CUBE, RWFCP_DIAMON, RWFCPR_CIRCLE, RWFCPR_RECTAN, RWFCPR_CUBE, and RWFCPR_DIAMON are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, 4.Refused, and 8.Bad image. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In addition to HRS HCAP comparable scores, we also have more detailed scores for overlapping Rectangles and Cube.

Differences with Harmonized LASI

This question was not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:

CE001	cp - cube 3d - respondent
CE002	cp - cube face correct oriented - respondent
CE003	cp - cube internal lines - respondent
CE004	cp - cube parallel sides - respondent
DC001	cp - circular shape - respondent
DC002	cp - closed circle - respondent
DD001	cp - diamond draw 4 sides - respondent
DD002	cp - diamond close 4 angles - respondent
DD003	cp - diamond sides equal length - respondent
DR001	cp - rectangle both 4-sided - respondent
DR002	cp - rectangle overlaps - respondent
RCE001	cpr - cube 3d - respondent
RCE002	cpr - cube face correct oriented - respondent
RCE003	cpr - cube internal lines - respondent
RCE004	cpr - cube parallel sides - respondent
RDC001	cpr - circular shape - respondent
RDC002	cpr - closed circle - respondent
RDD001	cpr - diamond draw 4 sides - respondent
RDD002	cpr - diamond close 4 angles - respondent
RDD003	cpr - diamond sides equal length - respondent
RDR001	cpr - rectangle both 4-sided - respondent
RDR002	cpr - rectangle overlaps - respondent

Drawing: Clocks

Wave	Variable	Label	Type
1	R1DR_CLOCK3	r1dr_clock3:w1 R clock drawing score(0-3)	Categ
1	R1FDR_CLOCK3	r1fdr_clock3:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DR_CLOCK3	3224	0.96	1.07	0.00	3.00
R1FDR_CLOCK3	3224	0.41	1.38	0.00	8.00

Categorical Variable Codes

Value	R1DR_CLOCK3
0	1490
1	794
2	516
3	424

Value	R1FDR_CLOCK3
0.Not imputed	2890
1.Dont know	22
2.Missing	49
3.Not Assessed	96
4.Refused	107
8.Bad image	60

How Constructed

RwDR_CLOCK3 is based on 3 components, specifically: 1) whether the respondent drew a closed circle, 2) whether the respondent correctly placed and ordered clock numbers on the circle, and 3) whether the respondent drew two clock hands. Scores range from 0-3. This measure is comparable with the measures from the main LASI study.

Don't know response are assigned special missing (.d). Refused responses are assigned special missing (.r). Cases where the uploaded respondent's images were blurry and unreadable were assigned special missing (.b). Cases where scores are not yet available are assigned special missing (.z). If the respondent cannot draw, special missing (.n) is assigned as "Not Assessed". "Not Assessed" option was marked only if the respondent had some physical disability that prevented him/her from performing the test. Other missing is assigned special missing (.m).

RwFDR_CLOCK3 is a flag variable, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 3.NotAssessed, 4. Refused, and 8. Bad image. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

These tests are not included in the HRS HCAP.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 Cog:

CK001	clock - closed circle
CK002	clock - numbers placed correctly
CK003	clock - two clock hands
CK004	clock - correct time
CK005	clock - hr and min hands diff length

CSID

Wave	Variable	Label	Type
1	R1ELBOW	rielbow:w1 R cognition elbow(0-1)	Categ
1	R1FELBOW	rlfelbow:impflag w1 r whether imputed value	Categ
1	R1HAMMER	rlhammer:w1 R cognition hammer(0-1)	Categ
1	R1FHAMMER	rlfhammer:impflag w1 r whether imputed value	Categ
1	R1STORE	rlstore:w1 R cognition store(0-1)	Categ
1	R1FSTORE	rlfstore:impflag w1 r whether imputed value	Categ
1	R1POINT	rlpoint:w1 R cognition point(0-1)	Categ
1	R1FPOINT	rlfpoint:impflag w1 r whether imputed value	Categ
1	R1CSID_SCORE	rlcsid_score:w1 R CSID 4-item score(0-4)	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ELBOW	3224	0.94	0.24	0.00	1.00
R1FELBOW	3224	0.10	0.60	0.00	4.00
R1HAMMER	3224	0.73	0.44	0.00	1.00
R1FHAMMER	3224	0.11	0.62	0.00	4.00
R1STORE	3224	0.89	0.31	0.00	1.00
R1FSTORE	3224	0.12	0.64	0.00	4.00
R1POINT	3224	0.88	0.32	0.00	1.00
R1FPOINT	3224	0.13	0.67	0.00	4.00
R1CSID_SCORE	3224	3.44	0.84	0.00	4.00

Categorical Variable Codes

Value-----	R1ELBOW
0.Incorrect	199
1.Correct	3025
Value-----	R1FELBOW
0.Not imputed	3120
1.Dont know	27
2.Missing	4
4.Refused	73
Value-----	R1HAMMER
0.Incorrect	874
1.Correct	2350
Value-----	R1FHAMMER
0.Not imputed	3100

1.Dont know	44
2.Missing	4
4.Refused	76
Value-----	R1STORE
0.Incorrect	346
1.Correct	2878
Value-----	R1FSTORE
0.Not imputed	3088
1.Dont know	51
2.Missing	4
4.Refused	81
Value-----	R1POINT
0.Incorrect	378
1.Correct	2846
Value-----	R1FPOINT
0.Not imputed	3088
1.Dont know	41
2.Missing	4
4.Refused	91
Value-----	R1CSID_SCORE
0	31
1	95
2	274
3	840
4	1984

How Constructed

RwELBOW indicates whether the respondent correctly identified an elbow when pointed at by the interviewer. If the respondent correctly identified the elbow, a 1 is coded. If the respondent incorrectly identified the elbow, a 0 is coded.

RwHAMMER indicates whether the respondent correctly described what one does with a hammer, with "driving a nail into something" as the correct answer. Correct answers are coded as 1 and incorrect answers are coded as 0.

RwSTORE indicates whether the respondent correctly described where the local market/local store was located. Correct answers can be a specific address or a clear description on how to get to the market/store. Incorrect answers include just repeating the store's name or giving a very confused answer. If the respondent originally provided a vague response, interviewers are instructed to probe for a more specific answer. Correct answers are coded as 1 and incorrect answers are coded as 0.

RwPOINT indicates whether the respondent correctly points first at a window and then at a door after being instructed to do so. If there is no window available, then the respondent is asked to point first at the ceiling and then at the door. If the respondent correctly follows the interviewer's directions, a 1 is coded. If the respondent does not point at the objects in the correct order, a 0 is coded.

RwCSID_SCORE provides a score indicating the total number of correct responses between RwELBOW, RwHAMMER, RwSTORE, and RwPOINT. Scores range from 0 to 4.

Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

RwFELBOW, RwfHAMMER, RwfSTORE, and RwfPOINT are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

In HRS HCAP, the acceptable responses for the question "What do you do with a hammer?" are: "pound", "to drive a nail into something", "to pound something", "to hit something with"; in DAD, the acceptable answer is: "to drive a nail into something". In HRS HCAP, when respondents were asked to point first to a window and then at the door, if only a window or a door was available (not both), respondents were only asked to point at whichever object was present; a "replacement" object was not used. In DAD, if a window was not available, respondents were asked to point at the ceiling and then at the door. If the door was not available, respondents were asked to point at a window and then at the ceiling.

Differences with Harmonized LASI

This question was not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:

CSID1_ELBOW	csid1: elbow
CSID2_HAMMER	csid2: hammer
CSID3_STORE	csid3: store
CSID4_POINT	csid4: point

Raven's Test

Wave	Variable	Label	Type
1	R1RV_SCORE	rlrv_score:w1 R Raven's test score(0-17)	Cont
1	R1FRV_SCORE	rlfrv_score:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RV_SCORE	3224	7.58	3.40	0.00	17.00
R1FRV_SCORE	3224	0.35	1.09	0.00	4.00

Categorical Variable Codes

Value-----	R1FRV_SCORE
0.Not imputed	2883
1.Dont know	80
4.Refused	261

How Constructed

RwRV_SCORE indicates the number of correct answers to a series of questions where respondents were presented with incomplete images and asked to identify the missing piece for each image out of six possible options. The Raven's booklet was used for this task (item A1-B10). For the first image that was presented to respondents, interviewers pointed out that the image had a pattern with a piece cut out of it. Next, the interviewer described why four of the six options for the image's missing pieces could not be correct and stated that only one of the options was correct. The respondent was then instructed to point to the correct answer. If the respondent did not point to the correct piece, the interviewer explained the answer. After working through the first image, the respondent continues with items A2-B10 without any feedback on whether the response is correct or incorrect. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

RwFRV_SCORE is a flag variable, indicating whether the corresponding variable has an assigned imputed value. The flag variable is coded as follows: 0.Not imputed, 1.Don't know, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No difference known.

Differences with HRS HCAP

No difference known.

Differences with Harmonized LASI

This question was not asked in LASI.

DAD Variables Used

Wave 1 Cog:	
RV_A1	raven a1
RV_A11	raven all

RV_A12	raven a12
RV_A2	raven a2
RV_A4	raven a4
RV_A5	raven a5
RV_A6	raven a6
RV_A7	raven a7
RV_A8	raven a8
RV_B1	raven b1
RV_B10	raven b10
RV_B2	raven b2
RV_B3	raven b3
RV_B4	raven b4
RV_B5	raven b5
RV_B6	raven b6
RV_B8	raven b8

Go-no-go Score

Wave	Variable	Label	Type
1	R1GO_SCORE1	rlgo_score1:w1 R Go-no-go trial 1 total score(0-10)	Categ
1	R1FGO_SCORE1	rlfgo_score1:impflag w1 r whether imputed value	Categ
1	R1GO_SCORE2	rlgo_score2:w1 R Go-no-go trial 2 total score(0-10)	Categ
1	R1FGO_SCORE2	rlfgo_score2:impflag w1 r whether imputed value	Categ
1	R1GO_SCORE	rlgo_score:w1 R Go-no-go total score(0-20)	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1GO_SCORE1	3224	6.46	3.44	0.00	10.00
R1FGO_SCORE1	3224	0.19	0.84	0.00	4.00
R1GO_SCORE2	3224	5.00	3.60	0.00	10.00
R1FGO_SCORE2	3224	0.21	0.88	0.00	4.00
R1GO_SCORE	3224	11.46	6.49	0.00	20.00

Categorical Variable Codes

Value	R1GO_SCORE1
0	294
1	126
2	142
3	176
4	194
5	310
6	213
7	205
8	251
9	286
10	1027

Value	R1FGO_SCORE1
0.Not imputed	3056
1.Dont know	17
2.Missing	5
4.Refused	146

Value	R1GO_SCORE2
0	558
1	200
2	219
3	256
4	307
5	284
6	210
7	155
8	188
9	253
10	594

Value	R1FGO_SCORE2
0.Not imputed	3036

1.Dont know		21
2.Missing		5
4.Refused		162

How Constructed

The following variables pertain to the Go-no-go task. This task allows for up to 3 practice trials until the subject can correctly respond (for both part 1 and part 2). This task consists of two parts. For each part, the interviewer scores each response as either correct or incorrect.

The first part goes as follows:

"In this task, when I tap the table once, like this (tap), I want you to tap twice. And when I tap twice (tap tap) I want you to tap once. Let's practice."

"So when I tap once (tap) - you tap...?" (subject taps)

"...and when I tap twice (tap tap) - you tap...?" (subject taps)

If incorrect, the interviewer is instructed to say, "Let's try again: remember when I tap once, you tap twice. And when I tap twice, you tap once - here we go" (examiner repeats above practice trial).

Instructions and practice rounds can be repeated one more time if necessary, making a maximum of three times.

If correct, the interviewer is instructed to say, "OK that's right, remember - I tap once, you tap twice. I tap twice, you tap once. Here we go."

The examiner begins the test by tapping once. If the respondent responds incorrectly, the examiner stops and repeats the instructions. This will be the last time the subject can be reminded of the instructions.

There are 10 trials total. If the respondent has five consecutive incorrect responses, part 1 ends.

The second part goes as follows:

"Now I am going to change the rules. This time when I tap once, you tap twice just like before. But now, when I tap twice, you do nothing - OK? Let us practice. So, when I tap once (tap), you tap...? And when I tap twice (tap tap), you...?"

If an incorrect response is given, the interviewer says, "Let's do that again. Remember, when I tap once, you tap twice, and when I tap twice, you do nothing - let's practice again (examiner taps once, then twice).

If the subject gives another incorrect response, the interviewer repeats the instructions again and allows one more practice round, making three rounds total in all.

When the subject has correctly completed the practice round(s), the interviewer says, "OK that's right. Remember, when I tap once, you tap twice. And when I tap twice, you do nothing - here we go." The examiner always begins the sequence with two taps. If the subject responds incorrectly, the examiner stops and reminds him/her of the instructions again. This is the last time a reminder can be given.

There are 10 trials total. If the respondent has five consecutive incorrect responses, part 2 ends.

RwGO_SCORE1 provides the score indicating the number of correct responses to part one.

RwGO_SCORE2 provides the score indicating the number of correct responses to part two.

RwGO_SCORE is the sum of RwGO_SCORE1 and RwGO_SCORE2. RwGO_SCORE ranges from 0-20. Don't know

responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Other missing is assigned special missing (.m).

R1FGO_SCORE1 and R1FGO_SCORE2 are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, and 4.Refused. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

This test is not included in the HRS HCAP.

Differences with Harmonized LASI

This question was not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:	
G1_TOTAL	g1_total correct
G2_TOTAL	g2_total correct

Hand Sequencing Test

Wave	Variable	Label	Type
1	R1EF_PALM	rlf_palm:w1 R able to repeat palm-up, palm-down test(0-2)	Categ
1	R1FEF_PALM	rlfef_palm:impflag w1 r whether imputed value	Categ
1	R1EF_CLENCH	rlf_clench:w1 R able to do clenched extended hand movement(Categ
1	R1FEF_CLENCH	rlfef_clench:impflag w1 r whether imputed value	Categ
1	R1EF_FIST	rlf_fist:w1 R able to do fist-side-palm test(0-2)	Categ
1	R1FEF_FIST	rlfef_fist:impflag w1 r whether imputed value	Categ
1	R1EF_SCORE	rlf_score:w1 R Hand Sequencing 3-item score(0-6)	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1EF_PALM	1637	1.85	0.43	0.00	2.00
R1FEF_PALM	3224	2.54	2.47	0.00	5.00
R1EF_CLENCH	1637	1.78	0.53	0.00	2.00
R1FEF_CLENCH	3224	2.54	2.47	0.00	5.00
R1EF_FIST	1637	0.93	0.77	0.00	2.00
R1FEF_FIST	3224	2.56	2.47	0.00	5.00
R1EF_SCORE	1637	4.55	1.30	0.00	6.00

Categorical Variable Codes

Value	R1EF_PALM
.x:Not in phase/wave	1587
0.Incorrect or did not repeat	42
1.Correctly repeated 1-4 movements	166
2.Correctly repeated all 5 movements	1429

Value	R1FEF_PALM
0.Not imputed	1556
1.Dont know	4
2.Missing	3
3.Not Assessed	45
4.Refused	29
5.Not in phase/wave	1587

Value	R1EF_CLENCH
.x:Not in phase/wave	1587
0.Incorrect or did not repeat	89
1.Correctly repeated 1-4 movements	185
2.Correctly repeated all 5 movements	1363

Value	R1FEF_CLENCH
0.Not imputed	1554
1.Dont know	5
2.Missing	3
3.Not Assessed	43

4.Refused	32
5.Not in phase/wave	1587
Value-----	R1EF_FIST
.x:Not in phase/wave	1587
0.Incorrect or did not repeat	550
1.Correctly repeated 1-4 movements	653
2.Correctly repeated all 5 movements	434
Value-----	R1FEF_FIST
0.Not imputed	1535
1.Dont know	5
2.Missing	3
3.Not Assessed	59
4.Refused	35
5.Not in phase/wave	1587
Value-----	R1EF_SCORE
.x:Not in phase/wave	1587
0	31
1	29
2	57
3	127
4	439
5	548
6	406

How Constructed

RwEF_PALM indicates how the respondent did on the Palm-Up Palm-Down task. For this task, the interviewer instructs the respondent to watch the demonstration of this task three times. Then, the respondent is asked to make the same movement with the interviewer and is then asked to perform it alone for 5 times. RwEF_PALM is coded as follows: 0.Incorrect or did not repeat, 1.Correctly repeated 1-4 movements, and 2.Correctly repeated all 5 movements.

RwEF_CLENCH indicates how the respondent performed on the Clenched Extended Hand Movement task. For this task, the interviewer instructs the respondent to watch the demonstration of this task three times. Then, the respondent is asked to make the same movement with the interviewer, and then asked to perform it alone for 5 times. RwEF_CLENCH is coded as follows: 0.Incorrect or did not repeat, 1.Correctly repeated 1-4 movements, and 2.Correctly repeated all 5 movements.

RwEF_FIST indicates how the respondent did on the Fist-Edge-Palm task. For this task, the interviewer instructs the respondent to watch the demonstration of this task three times. Then, the respondent is asked to make the same movement with the interviewer, and then asked to perform it alone for 5 times. RwEF_FIST is coded as follows: 0.Incorrect or did not repeat, 1.Correctly repeated 1-4 movements, and 2.Correctly repeated all 5 movements.

Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Special missing (.x) is assigned if not in phase/wave. If the respondent cannot perform the hand movements, special missing (.n) is assigned as "Not Assessed". "Not Assessed" option was marked only if the respondent has some physical disability, which prevents him/her from performing the test. Other missing is assigned special missing (.m).

RwEF_SCORE indicates a summary score between RwEF_PALM, RwEF_CLENCH, and RwEF_FIST. Scores range from 0-6.

These questions were asked starting phase 2 data collection.

RwFEF_PALM, RwFEF_CLENCH and RwFEF_FIST are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, 4.Refused, and 5.Not in phase/wave. The original missing value is otherwise included.

Cross Wave Differences in DAD

These questions were asked starting phase 2 data collection.

Differences with HRS HCAP

These questions were not asked in the HRS HCAP.

Differences with Harmonized LASI

These questions were not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:

EF100B	palm-up palm-down
EF101B	clenched extended hand movements
EF102B	fist-side-palm

Token Test

Wave	Variable	Label	Type
1	R1TT_CRCL	rltt_crcl:w1 circle: R able to identify and touch(0-1)	Categ
1	R1FTT_CRCL	rlftt_crcl:impflag w1 r whether imputed value	Categ
1	R1TT_SQR	rltt_sqr:w1 yellow square: R able to identify and touch(0-1)	Categ
1	R1FTT_SQR	rlftt_sqr:impflag w1 r whether imputed value	Categ
1	R1TT_DMND	rltt_dmnd:w1 large diamond: R able to identify and touch(0-1)	Categ
1	R1FTT_DMND	rlftt_dmnd:impflag w1 r whether imputed value	Categ
1	R1TT_BLCKCRL	rltt_blckcrl:w1 black circle,black diamond: R able to identify	Categ
1	R1FTT_BLCKCR	rlftt_blckcrl:impflag w1 r whether imputed value	Categ
1	R1TT_BLSQR	rltt_blsqr:w1 blue square,yellow square: R able to identify	Categ
1	R1FTT_BLSQR	rlftt_blsqr:impflag w1 r whether imputed value	Categ
1	R1TT_YLDMND	rltt_yldmnd:w1 yellow diamond,blue circle: R able to identify	Categ
1	R1FTT_YLDMN	rlftt_yldmnd:impflag w1 r whether imputed value	Categ
1	R1TT_YLSQR	rltt_ylsqr:w1 yellow square,black circle: R able to identify	Categ
1	R1FTT_YLSQR	rlftt_ylsqr:impflag w1 r whether imputed value	Categ
1	R1TT_SCORE	rltt_score:w1 R Token Test 7-item score(0-7)	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1TT_CRCL	1637	0.92	0.28	0.00	1.00
R1FTT_CRCL	3224	2.59	2.46	0.00	5.00
R1TT_SQR	1637	0.75	0.43	0.00	1.00
R1FTT_SQR	3224	2.58	2.46	0.00	5.00
R1TT_DMND	1637	0.62	0.49	0.00	1.00
R1FTT_DMND	3224	2.60	2.45	0.00	5.00
R1TT_BLCKCRL	1637	0.51	0.50	0.00	1.00
R1FTT_BLCKCR	3224	2.60	2.45	0.00	5.00
R1TT_BLSQR	1637	0.40	0.49	0.00	1.00
R1FTT_BLSQR	3224	2.60	2.45	0.00	5.00
R1TT_YLDMND	1637	0.40	0.49	0.00	1.00
R1FTT_YLDMN	3224	2.59	2.46	0.00	5.00

R1TT_YLSQR	1637	0.57	0.50	0.00	1.00
R1FTT_YLSQR	3224	2.60	2.45	0.00	5.00
R1TT_SCORE	1637	4.16	1.96	0.00	7.00

Categorical Variable Codes

Value-----	R1TT_CRCL
.x:Not in phase/wave	1587
0.No	137
1.Yes	1500

Value-----	R1FTT_CRCL
0.Not imputed	1505
1.Dont know	20
2.Missing	3
3.Not Assessed	61
4.Refused	48
5.Not in phase/wave	1587

Value-----	R1TT_SQR
.x:Not in phase/wave	1587
0.No	414
1.Yes	1223

Value-----	R1FTT_SQR
0.Not imputed	1512
1.Dont know	12
2.Missing	3
3.Not Assessed	62
4.Refused	48
5.Not in phase/wave	1587

Value-----	R1TT_DMND
.x:Not in phase/wave	1587
0.No	628
1.Yes	1009

Value-----	R1FTT_DMND
0.Not imputed	1494
1.Dont know	18
2.Missing	3
3.Not Assessed	72
4.Refused	50
5.Not in phase/wave	1587

Value-----	R1TT_BLCKCRL
.x:Not in phase/wave	1587
0.No	803
1.Yes	834

Value-----	R1FTT_BLCKCR
0.Not imputed	1495
1.Dont know	15
2.Missing	3
3.Not Assessed	72
4.Refused	52
5.Not in phase/wave	1587

Value-----	R1TT_BLSQR
.x:Not in phase/wave	1587
0.No	985
1.Yes	652

Value-----	R1FTT_BLSQR
0.Not imputed	1497
1.Dont know	15

2.Missing		3
3.Not Assessed		71
4.Refused		51
5.Not in phase/wave		1587
Value-----		R1TT_YLDMND
.x:Not in phase/wave		1587
0.No		982
1.Yes		655
Value-----		R1FTT_YLDMN
0.Not imputed		1501
1.Dont know		14
2.Missing		3
3.Not Assessed		67
4.Refused		52
5.Not in phase/wave		1587
Value-----		R1TT_YLSQR
.x:Not in phase/wave		1587
0.No		708
1.Yes		929
Value-----		R1FTT_YLSQR
0.Not imputed		1499
1.Dont know		12
2.Missing		3
3.Not Assessed		70
4.Refused		53
5.Not in phase/wave		1587
Value-----		R1TT_SCORE
.x:Not in phase/wave		1587
0		58
1		114
2		169
3		289
4		276
5		257
6		224
7		250

How Constructed

These questions indicate how the respondent did on the Token Test.

RwTT_CRCL indicates whether the respondent is able to identify the circle.

RwTT_SQR indicates whether the respondent is able to identify the yellow square.

RwTT_DMND indicates whether the respondent is able to identify the large diamond.

RwTT_BLCKCRL indicates whether the respondent is able to identify the black circle and then the black diamond.

RwTT_BLSQR indicates whether the respondent is able to identify the blue square and the yellow square.

RwTT_YLDMND indicates whether the respondent is able to tap the yellow diamond and the blue circle.

RwTT_YLSQR indicates whether the respondent is able to tap the black circle instead of tapping the yellow square.

RwTT_CRCL, RwTT_SQR, RwTT_DMND, RwTT_BLCKCRL, RwTT_BLSQR, RwTT_YLDMND, RwTT_YLSQR are coded as follows: 0. No, 1. Yes. Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Special missing (.x) is assigned if not in

phase/wave. If the respondent cannot perform the requested actions, special missing (.n) is assigned as "Not Assessed". "Not Assessed" option was marked only if the respondent has some physical disability, which prevents him/her from performing the test. Other missing is assigned special missing (.m).

RwTT_SCORE indicates a summary score between RwTT_CRCL, RwTT_SQR, RwTT_DMND, RwTT_BLCKCRL, RwTT_BLSQR, RwTT_YLDMND, and RwTT_YLSQ. Scores range from 0-7.

RwFTT_CRCL, RwFTT_SQR, RwFTT_DMND, RwFTT_BLCKCR, RwFTT_BLSQR, RwFTT_YLDMN and RwFTT_YLSQR are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 3.Not Assessed, 4.Refused, and 5.Not in phase/wave. The original missing value is otherwise included.

Cross Wave Differences in DAD

These questions were asked starting in phase 2 of the data collection.

Differences with HRS HCAP

These questions were not asked in the HRS HCAP.

Differences with Harmonized LASI

These questions were not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:

EF103A	touch a circle
EF103B	touch the yellow square
EF103C	touch the large diamond
EF103D	touch the black circle then the black diamond
EF103E	before touching the blue square, touch the ye
EF103F	after tapping the yellow diamond, tap the blu
EF103G	instead of tapping the yellow square, tap the

Judgement and Problem Solving

Wave	Variable	Label	Type
1	R1JP_ANIML	rljp_animl:w1 similarities: R elephant and monkey	Categ
1	R1FJP_ANIML	rlfjp_animl:impflag w1 r whether imputed value	Categ
1	R1JP_FLWR	rljp_flwr:w1 similarities: R rose and jasmine	Categ
1	R1FJP_FLWR	rlfjp_flwr:impflag w1 r whether imputed value	Categ
1	R1JP_LIE	rljp_lie:w1 differences: R lie and mistake	Categ
1	R1FJP_LIE	rlfjp_lie:impflag w1 r whether imputed value	Categ
1	R1JP_RIVER	rljp_river:w1 differences: R river and pond	Categ
1	R1FJP_RIVER	rlfjp_river:impflag w1 r whether imputed value	Categ
1	R1JP_RUPEE1	rljp_rupee1:w1 R 25paise coins for one Rupee	Categ
1	R1FJP_RUPE1	rlfjp_rupee1:impflag w1 r whether imputed value	Categ
1	R1JP_RUPEE2	rljp_rupee2:w1 R 25paise coins for six and half rupees	Categ
1	R1FJP_RUPE2	rlfjp_rupee2:impflag w1 r whether imputed value	Categ
1	R1JP_FNDKID	rljp_fndkid:w1 judgement: R find a lost child on road	Categ
1	R1FJP_FNDKI	rlfjp_fndkid:impflag w1 r whether imputed value	Categ
1	R1SIM_SCORE	rlsim_score:w1 R similiarity and difference summary score	Categ
1	R1PRO_SCORE	rlpro_score:w1 R problem solving summary score	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JP_ANIML	1637	0.42	0.49	0.00	1.00
R1FJP_ANIML	3224	2.57	2.45	0.00	5.00
R1JP_FLWR	1637	0.62	0.49	0.00	1.00
R1FJP_FLWR	3224	2.56	2.45	0.00	5.00
R1JP_LIE	1637	0.19	0.39	0.00	1.00
R1FJP_LIE	3224	2.59	2.44	0.00	5.00
R1JP_RIVER	1637	0.61	0.49	0.00	1.00
R1FJP_RIVER	3224	2.53	2.47	0.00	5.00
R1JP_RUPEE1	1637	0.77	0.42	0.00	1.00
R1FJP_RUPE1	3224	2.56	2.46	0.00	5.00
R1JP_RUPEE2	1637	0.33	0.47	0.00	1.00

R1FJP_RUPE2	3224	2.62	2.42	0.00	5.00
R1JP_FNDKID	1637	0.70	0.46	0.00	1.00
R1FJP_FNDKI	3224	2.52	2.49	0.00	5.00
R1SIM_SCORE	1637	1.85	1.25	0.00	4.00
R1PRO_SCORE	1637	1.80	0.96	0.00	3.00

Categorical Variable Codes

Value-----	R1JP_ANIML
.x:Not in phase/wave	1587
0.Incorrect	943
1.Correct	694

Value-----	R1FJP_ANIML
0.Not imputed	1431
1.Dont know	158
2.Missing	3
4.Refused	45
5.Not in phase/wave	1587

Value-----	R1JP_FLWR
.x:Not in phase/wave	1587
0.Incorrect	619
1.Correct	1018

Value-----	R1FJP_FLWR
0.Not imputed	1456
1.Dont know	130
2.Missing	3
4.Refused	48
5.Not in phase/wave	1587

Value-----	R1JP_LIE
.x:Not in phase/wave	1587
0.Incorrect	1331
1.Correct	306

Value-----	R1FJP_LIE
0.Not imputed	1387
1.Dont know	196
2.Missing	3
4.Refused	51
5.Not in phase/wave	1587

Value-----	R1JP_RIVER
.x:Not in phase/wave	1587
0.Incorrect	631
1.Correct	1006

Value-----	R1FJP_RIVER
0.Not imputed	1532
1.Dont know	61
2.Missing	3
4.Refused	41
5.Not in phase/wave	1587

Value-----	R1JP_RUPEE1
.x:Not in phase/wave	1587
0.Incorrect	384
1.Correct	1253

Value-----	R1FJP_RUPE1
0.Not imputed	1470

1.Dont know	111
2.Missing	3
4.Refused	53
5.Not in phase/wave	1587
Value-----	R1JP_RUPEE2
.x:Not in phase/wave	1587
0.Incorrect	1098
1.Correct	539
Value-----	R1FJP_RUPE2
0.Not imputed	1328
1.Dont know	240
2.Missing	3
4.Refused	66
5.Not in phase/wave	1587
Value-----	R1JP_FNDKID
.x:Not in phase/wave	1587
0.Incorrect	484
1.Correct	1153
Value-----	R1FJP_FNDKI
0.Not imputed	1579
1.Dont know	15
2.Missing	3
4.Refused	40
5.Not in phase/wave	1587
Value-----	R1SIM_SCORE
.x:Not in phase/wave	1587
0	281
1	400
2	417
3	366
4	173
Value-----	R1PRO_SCORE
.x:Not in phase/wave	1587
0	171
1	437
2	579
3	450

How Constructed

RwJP_ANIML and RwJP_FLWR ask the respondent to identify similarities between different things. Prior to these graded tasks, the respondent is given the example that pencils and pens are alike because both are writing instruments. RwJP_ANIML indicates whether the respondent correctly associated elephants and monkeys. RwJP_FLWR indicates whether the respondent correctly associated roses and jasmine. They are coded as follows: 0. Incorrect, 1. Correct.

RwJP_LIE and RwJP_RIVER ask the respondent to identify differences between different things. Prior to these tasks, the respondent is given the example that dogs and crows are different because one is an animal and the other is a bird. RwJP_LIE indicates whether the respondent correctly distinguishes the difference between a lie and a mistake. RwJP_RIVER indicates whether the respondent correctly distinguishes the difference between a river and a pond. They are coded as follows: 0. Incorrect, 1. Correct.

RwJP_RUPEE1 indicates whether the respondent correctly answers a calculation problem. The respondent is asked how many 25paise coins will be given for one Rupee. It is coded as follows: 0. Incorrect, 1. Correct.

RwJP_RUPEE2 indicates whether the respondent correctly answers a calculation problem. The respondent is asked how many 25paise coins they will need to make six and half rupees. It is coded as follows: 0. Incorrect, 1. Correct.

RwJP_FNDKID indicates whether the respondent correctly indicates what he/she would do if he/she found a lost child on the road. It is coded as follows: 0. Incorrect, 1. Correct.

Don't know responses are assigned special missing (.d). Refused responses are assigned special missing (.r). Special missing (.x) is assigned if not in phase/wave. Other missing is assigned as special missing (.m).

RwSIM_SCORE is a similarities and differences summary score referencing RwJP_ANIML, RwJP_FLWR, RwJP_LIE, and RwJP_RIVER. Scores range from 0-4.

RwPRO_SCORE is a problem-solving summary score referencing RwJP_RUPEE1, RwJP_RUPEE2, and RwJP_FNDKID. Scores range from 0-3.

RwFJP_ANIML, RwFJP_FLWR, RwFJP_LIE, RwFJP_RIVER, RwFJP_RUPE1, RwFJP_RUPE2 and RwFJP_FNDKI are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 4.Refused, and 5.Not in phase/wave. The original missing value is otherwise included.

Cross Wave Differences in DAD

These questions were asked starting in phase 2 of data collection.

Differences with HRS HCAP

These questions were not asked in the HRS HCAP.

Differences with Harmonized LASI

These questions were not asked in the Harmonized LASI.

DAD Variables Used

Wave 1 Cog:

JP100A	elephant - monkey
JP100B	rose - jasmine
JP101A	lie - .mistake
JP101B	river - pond
JP102A	25paise coins will you give me for one rupee
JP102B	25paise coins will you need to make six and
JP103A	find a lost child on road

Factor Analysis

Wave	Variable	Label	Type
1	R1BORIENT	rlborient: w1 factor analysis broad domain: orientation	Cont
1	R1BEXEFU	rlbexefu: w1 factor analysis broad domain: executive functio	Cont
1	R1BLANGF	rlblangf: w1 factor analysis broad domain: language/fluency	Cont
1	R1BMEMORY	rlbmemory: w1 factor analysis broad domain: memory	Cont
1	R1BVSP	rlbvsp: w1 factor analysis broad domain: visuospatial	Cont
1	R1NMEMIMM	rlnmemimm: w1 factor analysis narrow domain: memory, imm epi	Cont
1	R1NMEMDEL	rlnmemdel: w1 factor analysis narrow domain: memory, delay e	Cont
1	R1NMEMREC	rlnmemrec: w1 factor analysis narrow domain: memory, recogn	Cont
1	R1NREASON	rlnreason: w1 factor analysis narrow domain: abstract reason	Cont
1	R1NATNSPD	rlnatnsdpd: w1 factor analysis narrow domain: attention speed	Cont
1	R1SGCP	rlgcp: w1 factor analysis: general cognitive factor	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BORIENT	3224	-0.01	0.90	-2.96	2.46
R1BEXEFU	3224	-0.00	0.93	-2.87	2.64
R1BLANGF	3224	-0.01	0.91	-3.15	2.59
R1BMEMORY	3224	-0.00	0.96	-2.63	3.42
R1BVSP	3224	0.00	0.87	-2.51	2.34
R1NMEMIMM	3224	-0.00	0.96	-2.63	3.41
R1NMEMDEL	3224	-0.00	0.95	-2.56	3.45
R1NMEMREC	3224	-0.00	0.87	-2.79	2.88
R1NREASON	3224	0.00	0.93	-2.84	2.55
R1NATNSPD	3224	-0.00	0.93	-2.84	2.64
R1SGCP	3224	-0.00	0.93	-2.94	2.70

How Constructed

RwBORIENT is a summary measure of cognitive tests that are organized into the orientation broad domain. This broad domain is represented by 5 questions about orientation to time (e.g., name the current month, year, season), 5 questions about orientation to place (e.g., state, city), and one question to name the Prime Minister.

RwBEXEFU is a summary measure of cognitive tests that are organized into the executive functioning broad domain. This broad domain consists of two narrow subdomains:

attention/speed and abstract reasoning. Further information about the tests used are described in the narrow subdomains of executive functioning.

RwBLANGF is a summary measure of cognitive tests that are organized into the language/fluency broad domain. This domain is represented by animal naming, writing or saying a sentence, phrase repetition, naming of common objects by sight (watch, pencil), naming of common objects by description (elbow, hammer, scissors, coconut, window), following a read or acted command to close one's eyes, and completing a 3-stage task.

RwBMEMORY is a summary measure of cognitive tests that are organized into the memory broad domain. This broad domain consists of 3 narrow subdomains: immediate, delayed, and recognition recall of different cognitive tests used in LASI-DAD. The different cognitive tests used are further described for the memory variables in the narrow domain.

RwBVSP is a summary measure of cognitive tests that are organized into the visuospatial broad domain. This domain is measured by constructional praxis, drawing pentagons, and drawing clocks.

RwNMEMIMM is a summary measure for cognitive tests that are organized into the immediate episodic memory narrow subdomain. This subdomain consists of immediate recall of a 3-word task, a 10-word list, the logical memory test, and the Brave man test.

RwNMEMDEL is a summary measure of cognitive tests that are organized into the delayed episodic memory narrow subdomain. This subdomain consists of delayed recall of a 10-word list, the logical memory test, the Brave man test, a 3-word task, and the constructional praxis test that was used to measure delayed memory.

RwNMEMREC is a summary measure of cognitive tests that are organized into the recognition memory narrow subdomain. This subdomain consists of a recognition recall of a 10-word list and the logical memory test.

RwNREASON is a summary measure of cognitive tests that are organized into the abstract reasoning narrow subdomain within the executive functioning broad domain. This subdomain consists of the Ravens task, clock drawing, and the Go-No-Go test.

RwNATNSPD is a summary measure of cognitive tests that are organized into the attention/speed narrow subdomain within the executive functioning broad domain. This subdomain consists of a numeracy task, backwards counting, symbol cancellation, and the Digit Span forwards and backwards task.

RwSGCP is a general cognitive factor score and can be used as a predictor or outcome in a model. It is the broadest cognitive summary variable, measured by memory, executive functioning, visuospatial, and language domains.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

For the variable RwBORIENT: In HRS HCAP, it contains 5 questions about orientation to time and 5 questions about orientation to place. In LASI-DAD, it also includes a question to name the Prime Minister.

For the variable RwBLANGF: No differences known.

For the variable RwBVSP: In HRS HCAP, only the CERAD constructional praxis was tested. In LASI DAD, additional tests were asked: drawing pentagons and drawing clocks.

For the variable RwBMEMORY: No differences known.

For the variable RwbEXEFU: For the attention/speed narrow subdomain, LASI DAD uses the test "Digits Backward/Forward", which is not used in HRS HCAP. For the abstract reasoning subdomain, HRS HCAP uses TMT, but LASI-DAD substitutes this TMT test for the Go-No-Go task.

For the variable RwnMEMIMM: No differences known.

For the variable RwnMEMDEL: No differences known.

For the variable RwnMEMREC: No differences known.

For the variable RwnREASON: In HRS HCAP, the TMT test was used. However, the LASI DAD substitutes the TMT test with the Go-No-Go task.

For the variable RwnNATNSPD: HRS HCAP does not have the Digits Forward and Backward task.

For the variable RwnSGCP: No differences known.

Differences with Harmonized LASI

These summary measures were not created in the Harmonized LASI.

Section C: Informant Report

Informant Demographics

Wave	Variable	Label	Type
1	R1INF_AGE	rlinf_age:w1 Informant: age	Cont
1	R1INF_GENDR	rlinf_gendr:w1 Informant: gender	Categ
1	R1INF_EDUC	rlinf_educ:w1 Informant: education	Categ
1	R1INF_REL	rlinf_rel:w1 Informant: relation with r	Categ
1	R1INF_FREQ	rlinf_freq:w1 Informant: freq contact with r	Categ
1	R1INF_CARE	rlinf_care:w1 Informant: caregiver for r	Categ
1	R1INF_YRS	rlinf_yrs:w1 Informant: years know r	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1INF_AGE	3176	44.54	16.74	18.00	92.00
R1INF_GENDR	3183	1.65	0.48	1.00	2.00
R1INF_EDUC	3177	3.21	2.48	0.00	9.00
R1INF_REL	3183	4.00	3.36	1.00	15.00
R1INF_FREQ	3173	1.25	0.56	1.00	4.00
R1INF_CARE	3182	0.83	0.38	0.00	1.00
R1INF_YRS	3176	32.38	15.71	1.00	86.00

Categorical Variable Codes

Value	R1INF_GENDR
.h:Not interviewed	33
.m:Missing	7
.r:Refuse	1
1.Male	1125
2.Female	2058

Value	R1INF_EDUC
.h:Not interviewed	33
.m:Missing	7
.o:Other	5
.r:Refuse	2
0.Never attended school	718
1.Less than primary school(standard 1-4)	227
2.Primary school completed (standard 5-7)	351
3.Middle school completed (standard 8- 9)	382
4.Secondary school completed (standard 1	582
5.Higher secondary completed (standard 1	378
6.Diploma and certificate holders	63
7.Graduate degree completed	332
8.Post-graduate degree	106
9.Professional course/degree	38

Value	R1INF_REL
.h:Not interviewed	33

.m:Missing	7
.r:Refuse	1
1.Spouse/partner	982
2.Son	515
3.Daughter	253
4.Son-in-law	24
5.Daughter-in-law	699
6.Grandchild	183
7.Parent	136
8.Parent-in-law	116
9.Brother	24
10.Sister	21
11.Grandparent	54
12.Other relative	80
13.Servant	1
14.Friend	21
15.Other	74
Value-----	R1INF_FREQ
.h:Not interviewed	33
.m:Missing	7
.o:Other	10
.r:Refuse	1
1.Lives with respondent	2519
2.Daily	547
3.Once to several times/week	61
4.Once a month or less	46
Value-----	R1INF_CARE
.h:Not interviewed	33
.m:Missing	8
.r:Refuse	1
0.No	555
1.Yes	2627

How Constructed

RwINF_AGE indicates the age of the informant. Special missing (.h) is assigned if the respondent does not have an informant interview. Special missing (.d) is assigned for don't know responses. Special missing (.r) is assigned for refused responses. Other missing is assigned as special missing (.m).

RwINF_GENDR indicates the gender of the informant. A code of 1 indicates male and a code of 2 indicates female. Special missing (.h) is assigned if the respondent does not have an informant interview. Special missing (.r) is assigned for refused responses. Other missing is assigned as special missing (.m).

RwINF_EDUC indicates the highest grade of school or year of college the informant completed. Education levels are assigned as follows: 0. Never attended school, 1. Less than primary school (standard 1-4), 2. Primary school completed (standard 5-7), 3. Middle school completed (standard 8- 9), 4. Secondary school completed (standard 10 -11), 5. Higher Secondary completed (standard 12), 6. Diploma and certificate holders, 7. Graduate degree (B.A., B.Sc., B. Com.) completed, 8. Post-graduate degree or (M.A., M.Sc., M. Com.) above (M.Phil, Ph.D., Post-Doc) completed, and 9. Professional course/degree (B.Ed, BE, B.Tech, MBBS, BHMS, BAMS, B. Pharm, BCS, BCA, BBA,LLB, BVSc., B. Arch, M.Ed, ME, M.Tech, MD, M.Pharm, MCS, MCA, MBA, LLM, MVSc., M. Arch, MS, CA, CS, CWA). Special missing (.o) is assigned if the informant reports 'other'. Special missing (.h) is assigned if the respondent does not have an informant interview. Special missing (.r) is assigned for refused responses. Other missing is assigned as special missing (.m).

RwINF_REL indicates the informant's relationship with the respondent. RwINF_REL is coded as follows: 1. Spouse/partner, 2. Son, 3. Daughter, 4. Son-in-law, 5. Daughter-in-law, 6. Grandchild, 7. Parent, 8. Parent-in-law, 9. Brother, 10. Sister, 11. Grandparent, 12. Other relative, 13. Servant. 14. Friend, and 15. Other. Special missing (.h) is assigned if the respondent does not have an informant interview. Special missing (.r) is assigned for refused responses. Other missing is as assigned special missing (.m).

RwINF_FREQ indicates how often the informant generally saw the respondent in the last year. A code of 1 is assigned if the informant lives with the respondent. A code of 2 is assigned if the informant saw the respondent daily. A code of 3 is assigned if the informant saw the respondent between once a week and several times a week. A code of 4 is assigned if the informant never saw the respondent or saw the respondent up to once a month. Special missing (.o) is assigned if the informant reports an unspecified other frequency. Special missing (.h) is assigned if the respondent does not have an informant interview. Special missing (.r) is assigned for refused responses. Other missing is assigned as special missing (.m).

RwINF_CARE indicates whether the informant is a caregiver for the respondent. A code of 1 is assigned if the informant is a caregiver for the respondent. A code of 0 is assigned if the informant is not a caregiver for the respondent. Special missing (.h) is assigned if the respondent does not have an informant interview. Special missing (.r) is assigned for refused responses. Other missing is assigned as special missing (.m).

RwINF_YRS indicates the number of years the informant has known the respondent. If the informant is a child, sibling or parent, RwINF_YRS is coded as either the informant's age or respondent's age, whichever is younger. Special missing (.h) is assigned if the respondent does not have an informant interview. Special missing (.d) is assigned for don't know responses. Special missing (.r) is assigned for refused responses. Other missing is assigned as special missing (.m).

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

No differences known.

DAD Variables Used

Wave 1 Inf:

DM_AGE	informant age
DM_CARE	inf caregiver for respondent
DM_EDUC1	ever attended school
DM_EDUC2	informant ed level
DM_FREQ	informant freq see respondent
DM_GENDER	informant gender
DM_RTR	informant rel to respondent
DM_YEARS	informant yrs known respondent
RECORDEDIW_CONSENT_INF	

Diagnosed Health Conditions

Wave	Variable	Label	Type
1	R1INF_STROK	rlinf_strok:w1 Informant: r diagnosed with stroke	Categ
1	R1INF_PARKN	rlinf_parkn:w1 Informant: r diagnosed with Parkinsons	Categ
1	R1INF_ALZHE	rlinf_alzhe:w1 Informant: r diagnosed with Alzheimers	Categ
1	R1INF_MEMRY	rlinf_memry:w1 Informant: r diagnosed with memory problems	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1INF_STROK	3164	0.06	0.24	0.00	1.00
R1INF_PARKN	3163	0.03	0.18	0.00	1.00
R1INF_ALZHE	3167	0.03	0.17	0.00	1.00
R1INF_MEMRY	3150	0.12	0.33	0.00	1.00

Categorical Variable Codes

Value	R1INF_STROK
.d:DK	17
.h:Not interviewed	33
.m:Missing	8
.r:Refuse	2
0.No	2974
1.Yes	190

Value	R1INF_PARKN
.d:DK	18
.h:Not interviewed	33
.m:Missing	8
.r:Refuse	2
0.No	3063
1.Yes	100

Value	R1INF_ALZHE
.d:DK	14
.h:Not interviewed	33
.m:Missing	8
.r:Refuse	2
0.No	3068
1.Yes	99

Value	R1INF_MEMRY
.d:DK	31
.h:Not interviewed	33
.m:Missing	8
.r:Refuse	2
0.No	2758
1.Yes	392

How Constructed

RwINF_STROK indicates whether the informant reported that the respondent has been diagnosed with a stroke.

RwINF_PARKN indicates whether the informant reported that the respondent has been diagnosed with Parkinson's disease.

RwINF_ALZHE indicates whether the informant reported that the respondent has been diagnosed with Alzheimer's disease.

RwINF_MEMRY indicates whether the informant reported that the respondent has been diagnosed with memory problems.

RwINF_STROK, RwINF_PARKN, RwINF_ALZHE, and RwINF_MEMRY are coded as 1 if the informant reports that the respondent was diagnosed with the corresponding health condition. A code of 0 is assigned if the informant reports that the respondent has not been diagnosed with the condition. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know responses are assigned special missing (.d). Special missing (.r) is assigned for refused responses. Other missing is assigned as special missing (.m).

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

No differences known.

DAD Variables Used

Wave 1 Inf:

DM_AD	resp diagnosed alzheimers
DM_MEM	resp diagnosed memory probs
DM_PARK	resp diagnosed parkinsons
DM_STROKE	resp diagnosed stroke

JORM IQCODE Test

Wave	Variable	Label	Type
1	R1IQSCORE1	rliqscore1:w1 JORM family/friend details	Categ
1	R1FIQSCORE1	rlfiqscore1:impflag w1 r whether imputed value	Categ
1	R1IQSCORE2	rliqscore2:w1 JORM recent events	Categ
1	R1FIQSCORE2	rlfiqscore2:impflag w1 r whether imputed value	Categ
1	R1IQSCORE3	rliqscore3:w1 JORM recent conversations	Categ
1	R1FIQSCORE3	rlfiqscore3:impflag w1 r whether imputed value	Categ
1	R1IQSCORE4	rliqscore4:w1 JORM address and telephone number	Categ
1	R1FIQSCORE4	rlfiqscore4:impflag w1 r whether imputed value	Categ
1	R1IQSCORE5	rliqscore5:w1 JORM day and month	Categ
1	R1FIQSCORE5	rlfiqscore5:impflag w1 r whether imputed value	Categ
1	R1IQSCORE6	rliqscore6:w1 JORM where things are usually kept	Categ
1	R1FIQSCORE6	rlfiqscore6:impflag w1 r whether imputed value	Categ
1	R1IQSCORE7	rliqscore7:w1 JORM where to find things	Categ
1	R1FIQSCORE7	rlfiqscore7:impflag w1 r whether imputed value	Categ
1	R1IQSCORE8	rliqscore8:w1 JORM work familiar machines	Categ
1	R1FIQSCORE8	rlfiqscore8:impflag w1 r whether imputed value	Categ
1	R1IQSCORE9	rliqscore9:w1 JORM new gadget or machine	Categ
1	R1FIQSCORE9	rlfiqscore9:impflag w1 r whether imputed value	Categ
1	R1IQSCORE10	rliqscore10:w1 JORM new things in general	Categ
1	R1FIQSCORE10	rlfiqscore10:impflag w1 r whether imputed value	Categ
1	R1IQSCORE11	rliqscore11:w1 JORM story in a book or on TV	Categ
1	R1FIQSCORE11	rlfiqscore11:impflag w1 r whether imputed value	Categ
1	R1IQSCORE12	rliqscore12:w1 JORM making decisions on everyday matters	Categ
1	R1FIQSCORE12	rlfiqscore12:impflag w1 r whether imputed value	Categ
1	R1IQSCORE13	rliqscore13:w1 JORM handling money for shopping	Categ
1	R1FIQSCORE13	rlfiqscore13:impflag w1 r whether imputed value	Categ
1	R1IQSCORE14	rliqscore14:w1 JORM handling financial matters	Categ
1	R1FIQSCORE14	rlfiqscore14:impflag w1 r whether imputed value	Categ
1	R1IQSCORE15	rliqscore15:w1 JORM handling other everyday arithmetic probl	Categ

1	R1FIQSCORE15	r1fiqscore15:impflag w1 r whether imputed value	Categ
1	R1IQSCORE16	rliqscore16:w1 JORM reason things through	Categ
1	R1FIQSCORE16	r1fiqscore16:impflag w1 r whether imputed value	Categ
1	R1JORMSCORE	rljormscore:w1 JORM average score	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IQSCORE1	3224	3.48	0.74	1.00	5.00
R1FIQSCORE1	3224	0.17	1.26	0.00	12.00
R1IQSCORE2	3224	3.44	0.73	1.00	5.00
R1FIQSCORE2	3224	0.15	1.23	0.00	12.00
R1IQSCORE3	3224	3.46	0.71	1.00	5.00
R1FIQSCORE3	3224	0.14	1.23	0.00	12.00
R1IQSCORE4	3224	3.45	0.73	1.00	5.00
R1FIQSCORE4	3224	0.44	1.49	0.00	12.00
R1IQSCORE5	3224	3.42	0.73	1.00	5.00
R1FIQSCORE5	3224	0.21	1.30	0.00	12.00
R1IQSCORE6	3224	3.53	0.72	1.00	5.00
R1FIQSCORE6	3224	0.17	1.25	0.00	12.00
R1IQSCORE7	3224	3.60	0.73	1.00	5.00
R1FIQSCORE7	3224	0.17	1.25	0.00	12.00
R1IQSCORE8	3224	3.41	0.75	1.00	5.00
R1FIQSCORE8	3224	0.67	1.63	0.00	12.00
R1IQSCORE9	3224	3.50	0.82	1.00	5.00
R1FIQSCORE9	3224	1.02	1.76	0.00	12.00
R1IQSCORE10	3224	3.52	0.86	1.00	5.00
R1FIQSCORE10	3224	0.56	1.56	0.00	12.00
R1IQSCORE11	3224	3.36	0.76	1.00	5.00
R1FIQSCORE11	3224	0.56	1.57	0.00	12.00
R1IQSCORE12	3224	3.44	0.76	1.00	5.00
R1FIQSCORE12	3224	0.37	1.44	0.00	12.00
R1IQSCORE13	3224	3.44	0.77	1.00	5.00

R1FIQSCORE13	3224	0.43	1.49	0.00	12.00
R1IQSCORE14	3224	3.46	0.80	1.00	5.00
R1FIQSCORE14	3224	0.71	1.65	0.00	12.00
R1IQSCORE15	3224	3.44	0.75	1.00	5.00
R1FIQSCORE15	3224	0.42	1.47	0.00	12.00
R1IQSCORE16	3224	3.38	0.72	1.00	5.00
R1FIQSCORE16	3224	0.20	1.29	0.00	12.00
R1JORMSCORE	3224	3.46	0.57	1.00	5.00

Categorical Variable Codes

Value-----	R1IQSCORE1
1.Much improved	26
2.A bit improved	66
3.Not much change	1825
4.A bit worse	964
5.Much worse	343

Value-----	R1FIQSCORE1
0.Not imputed	3130
1.Dont know	9
2.Missing	9
3.Not Assessed	40
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE2
1.Much improved	28
2.A bit improved	73
3.Not much change	1856
4.A bit worse	974
5.Much worse	293

Value-----	R1FIQSCORE2
0.Not imputed	3150
1.Dont know	15
2.Missing	9
3.Not Assessed	14
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE3
1.Much improved	18
2.A bit improved	66
3.Not much change	1852
4.A bit worse	1006
5.Much worse	282

Value-----	R1FIQSCORE3
0.Not imputed	3155
1.Dont know	16
2.Missing	9
3.Not Assessed	7
4.Refused	4
12.Not interviewed	33

Value-----	R1IQSCORE4
1.Much improved	19
2.A bit improved	62
3.Not much change	1939

4.A bit worse	871
5.Much worse	333

Value-----	R1FIQSCORE4
0.Not imputed	2843
1.Dont know	12
2.Missing	9
3.Not Assessed	324
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE5
1.Much improved	24
2.A bit improved	66
3.Not much change	2001
4.A bit worse	811
5.Much worse	322

Value-----	R1FIQSCORE5
0.Not imputed	3085
1.Dont know	14
2.Missing	9
3.Not Assessed	80
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE6
1.Much improved	12
2.A bit improved	46
3.Not much change	1728
4.A bit worse	1093
5.Much worse	345

Value-----	R1FIQSCORE6
0.Not imputed	3136
1.Dont know	11
2.Missing	9
3.Not Assessed	32
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE7
1.Much improved	10
2.A bit improved	51
3.Not much change	1555
4.A bit worse	1226
5.Much worse	382

Value-----	R1FIQSCORE7
0.Not imputed	3132
1.Dont know	15
2.Missing	9
3.Not Assessed	32
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE8
1.Much improved	31
2.A bit improved	83
3.Not much change	1998
4.A bit worse	762
5.Much worse	350

Value-----	R1FIQSCORE8
0.Not imputed	2582
1.Dont know	26
2.Missing	9
3.Not Assessed	571
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE9
1.Much improved	40
2.A bit improved	130
3.Not much change	1673
4.A bit worse	953
5.Much worse	428

Value-----	R1FIQSCORE9
0.Not imputed	2200
1.Dont know	31
2.Missing	9
3.Not Assessed	947
4.Refused	4
12.Not interviewed	33

Value-----	R1IQSCORE10
1.Much improved	42
2.A bit improved	172
3.Not much change	1558
4.A bit worse	957
5.Much worse	495

Value-----	R1FIQSCORE10
0.Not imputed	2701
1.Dont know	30
2.Missing	9
3.Not Assessed	448
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE11
1.Much improved	33
2.A bit improved	119
3.Not much change	2074
4.A bit worse	659
5.Much worse	339

Value-----	R1FIQSCORE11
0.Not imputed	2707
1.Dont know	18
2.Missing	9
3.Not Assessed	454
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE12
1.Much improved	22
2.A bit improved	85
3.Not much change	1968
4.A bit worse	755
5.Much worse	394

Value-----	R1FIQSCORE12
0.Not imputed	2914
1.Dont know	15
2.Missing	9
3.Not Assessed	250
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE13
1.Much improved	24
2.A bit improved	69
3.Not much change	2028
4.A bit worse	685
5.Much worse	418

Value-----	R1FIQSCORE13
0.Not imputed	2847
1.Dont know	12
2.Missing	9

3.Not Assessed	320
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE14
1.Much improved	28
2.A bit improved	93
3.Not much change	1941
4.A bit worse	697
5.Much worse	465

Value-----	R1FIQSCORE14
0.Not imputed	2547
1.Dont know	14
2.Missing	10
3.Not Assessed	617
4.Refused	3
12.Not interviewed	33

Value-----	R1IQSCORE15
1.Much improved	23
2.A bit improved	71
3.Not much change	1981
4.A bit worse	770
5.Much worse	379

Value-----	R1FIQSCORE15
0.Not imputed	2861
1.Dont know	19
2.Missing	10
3.Not Assessed	297
4.Refused	4
12.Not interviewed	33

Value-----	R1IQSCORE16
1.Much improved	22
2.A bit improved	85
3.Not much change	2053
4.A bit worse	762
5.Much worse	302

Value-----	R1FIQSCORE16
0.Not imputed	3095
1.Dont know	15
2.Missing	10
3.Not Assessed	68
4.Refused	3
12.Not interviewed	33

How Constructed

The following variables pertain to a series of questions asking the informant whether the respondent has improved, stayed the same, or gotten worse in various situations that require memory or intelligence. The interviewer emphasizes the importance of comparing present performance with past performance. The informant is asked to compare the current year with 10 year ago. If the informant has known the respondent for less than 10 years, they are to compare the current year with the year they first met the respondent.

In R1IQSCORE1, the informant compares the respondent's current ability to remember things about family and friends, such as occupations, birthdays, and addresses, with his/her ability to remember these things in the past

In R1IQSCORE2, the informant compares the respondent's current ability to remember things that have happened recently with his/her ability in the past.

In R1IQSCORE3, the informant compares the respondent's current ability to recall conversations a few days later with his/her ability in the past.

In RwiQSCORE4, the informant compares the respondent's current ability to remember their address and telephone number with his/her ability in the past.

In RwiQSCORE5, the informant compares the respondent's current ability to remember what day and month it is with his/her ability in the past.

In RwiQSCORE6, the informant compares the respondent's current ability to remember where things are usually kept with his/her ability in the past.

In RwiQSCORE7, the informant compares the respondent's current ability to remember where to find things that have been put in a different place from usual with his/her ability in the past.

In RwiQSCORE8, the informant compares the respondent's current ability to know how to work familiar machines around the house with his/her ability in the past.

In RwiQSCORE9, the informant compares the respondent's current ability to learn to use a new gadget or machine around house with his/her ability in the past.

In RwiQSCORE10, the informant compares the respondent's current ability to learn new things in general with his/her ability in the past.

In RwiQSCORE11, the informant compares the respondent's current ability to follow a story in a book or on TV with his/her ability in the past.

In RwiQSCORE12, the informant compares the respondent's current ability to make decisions on everyday matters with his/her ability in the past.

In RwiQSCORE13, the informant compares the respondent's current ability to handle money for shopping with his/her ability in the past.

In RwiQSCORE14, the informant compares the respondent's current ability to handle financial matters with his/her ability in the past. Examples include pension-related decisions or dealing with a bank.

In RwiQSCORE15, the informant compares the respondent's current ability to handle other everyday arithmetic problems, such as knowing how much food to buy and knowing how much time elapsed between visits from family or friends, with his/her ability in the past.

In RwiQSCORE16, the informant compares the respondent's current ability to use his/her intelligence to understand what's going on and to reason things through with his/her ability in the past.

RwiQSCORE1- RwiQSCORE16 are coded as follows: 1. Much improved, 2. A bit improved, 3. Not much changed, 4. A bit worse, and 5. Much worse. If the informant reports that a particular activity does not apply to the respondent, special missing (.n) is assigned. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwJORMSCORE indicates the average value of RwiQSCORE1- RwiQSCORE16. RwJORMSCORE is calculated by taking the sum of values between RwiQSCORE1- RwiQSCORE16 over the number of non-missing values between RwiQSCORE1- RwiQSCORE16. If the informant reports that no activities apply to the respondent, special missing (.n) is assigned. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwFIQSCORE1- RwFIQSCORE16 are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0. Not imputed, 1. Don't know, 2. Missing, 3. Not Assessed, 4. Refused, and 12. Not interviewed. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

HRS HCAP asks respondent the same questions, but the questions are formed by the primary questions (H1IQ1 - H1IQ16) and two kinds of sub-questions: 1. (H1IQ1I - H1IQ16I) Is it much improved or a bit improved? and 2. (H1IQ1W - H1IQ16W) Is it much worse or a bit worse? The primary HRS HCAP questions are coded as follows: 1. Improved, 2. Not much changed, 3. Gotten worse, 4. Does not apply; R doesn't do activity, 8. DK (Don't Know), and 9. RF (Refused). Missing is assigned as (.). H1IQ1I - H1IQ16I are coded as follows: 1. Much improved, 2. A bit improved, 8. DK (Don't Know), and 9. RF (Refused). Missing is assigned as (.). H1IQ1W - H1IQ16W are coded as follows: 1. A bit worse, 2. Much worse, 8. DK (Don't Know), and 9. RF (Refused). Missing is assigned as (.). In DAD, the primary questions and sub-questions are combined together.

In HRS HCAP, both the mean score (1-5) and trimmed mean score (3-5) are calculated while in DAD, only the mean score is calculated.

DAD Variables Used

Wave 1 Inf:

J10A	learning new things
J11A	following a story in book or on tv
J12A	making everyday decisions
J13A	handling money for shopping
J14A	handling fin matters with bank
J15A	handling everyday math
J16A	using intelligence to reason
J1A	remembering family, friends, dates
J2A	remembering recent happenings
J3A	recalling conversations
J4A	remembering address and telephone
J5A	remembering day and month
J6A	remembering where things are kept
J7A	remembering where to find things
J8A	knowing how to work machines
J9A	learning to use a new gadget

Blessed Test—Part 2

Wave	Variable	Label	Type
1	R1BL2_2R	r1bl2_2r:w1 Blessed Test part 2- eating	Categ
1	R1FBL2_2R	r1fbl2_2r:impflag w1 r whether imputed value	Categ
1	R1BL2_3R	r1bl2_3r:w1 Blessed Test part 2- toilet	Categ
1	R1FBL2_3R	r1fbl2_3r:impflag w1 r whether imputed value	Categ
1	R1BL2_4R	r1bl2_4r:w1 Blessed Test part 2- dressing	Categ
1	R1FBL2_4R	r1fbl2_4r:impflag w1 r whether imputed value	Categ
1	R1BL2SCORE	r1bl12_score:w1 Blessed Test part 2 average score	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BL2_2R	3224	1.10	0.46	1.00	4.00
R1FBL2_2R	3224	0.13	1.22	0.00	12.00
R1BL2_3R	3224	1.08	0.38	1.00	4.00
R1FBL2_3R	3224	0.14	1.22	0.00	12.00
R1BL2_4R	3224	1.10	0.43	1.00	4.00
R1FBL2_4R	3224	0.13	1.22	0.00	12.00
R1BL2SCORE	3224	1.09	0.34	1.00	4.00

Categorical Variable Codes

Value	R1BL2_2R
1.Feeds self without assistance	3052
2.Feeds self with minor assistance	82
3.Feeds self with much assistance	35
4.Has to be fed	55

Value	R1FBL2_2R
0.Not imputed	3178
1.Dont know	1
2.Missing	10
4.Refused	2
12.Not interviewed	33

Value	R1BL2_3R
1.Clean, cares for self at toilet	3069
2.Occasional incontinence, or needs to b	81
3.Frequent incontinence, or needs much a	52
4.Little or no control	22

Value	R1FBL2_3R
0.Not imputed	3174
1.Dont know	2
2.Missing	10
4.Refused	5
12.Not interviewed	33

Value-----	R1BL2_4R
1.Unaided	3022
2.Occasionally misplaces buttons, requir	127
3.Wrong sequences, forgets items, requir	33
4.Unable to dress	42
Value-----	R1FBL2_4R
0.Not imputed	3177
1.Dont know	1
2.Missing	10
4.Refused	3
12.Not interviewed	33

How Constructed

The following variables pertain to a series of questions asked to the informant regarding how well the respondent does with different activities.

RwBL2_2R asks the informant how well the respondent feeds himself/herself. A 1 is coded for being able to feed oneself without assistance. A 2 is coded for being able to feed oneself with minor assistance. A 3 is coded for feeding oneself with much assistance. A 4 is coded for having to be fed. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing are assigned as special missing (.d), (.r), and (.m), respectively.

RwBL2_3R asks the informant how well the respondent can clean and care for himself/herself at a toilet. A 1 indicates that the respondent is able to clean and care for oneself at a toilet. A 2 indicates that the respondent has occasional incontinence or needs to be reminded. A 3 indicates that the respondent has frequent incontinence or needs a lot of assistance. A 4 indicates that the respondent has little or no control over incontinence. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing are assigned as special missing (.d), (.r), and (.m), respectively.

RwBL2_4R asks the informant how well the respondent is able to get dressed unaided. A 1 indicates that the respondent can dress unaided. A 2 indicates that the respondent occasionally misplaces buttons and requires minor help. A 3 indicates that the respondent gets dressed in the wrong sequence, forgets items, and requires much assistance. A 4 indicates that the respondent is unable to dress oneself. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing are assigned as special missing (.d), (.r), and (.m), respectively.

RwBL2SCORE indicates the average value of RwBL2_2R, RwBL2_3R, and RwBL2_4R. RwBL2SCORE is calculated by taking the sum of values between RwBL2_2R, RwBL2_3R, and RwBL2_4R over the number of non-missing values between RwBL2_2R, RwBL2_3R, and RwBL2_4R. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing are assigned as special missing (.d), (.r), and (.m), respectively.

RwFBL2_2R- RwFBL2_4R are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 4.Refused, and 12.Not interviewed. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

No differences known.

DAD Variables Used

Wave 1 Inf:

BL2_2	ability to feed self
BL2_3	ability to use toilet
BL2_4	ability to dress self

Everyday Activities

Wave	Variable	Label	Type
1	R1ACT1	rlact1:w1 Activities- watching TV	Categ
1	R1FACT1	rlfact1:impflag w1 r whether imputed value	Categ
1	R1ACT2	rlact2:w1 Activities- reading	Categ
1	R1FACT2	rlfact2:impflag w1 r whether imputed value	Categ
1	R1ACT5	rlact5:w1 Activities- chores, maintenance, or gardening	Categ
1	R1FACT5	rlfact5:impflag w1 r whether imputed value	Categ
1	R1ACT7	rlact7:w1 Activities- computer or the internet	Categ
1	R1FACT7	rlfact7:impflag w1 r whether imputed value	Categ
1	R1ACT8	rlact8:w1 Activities- taking naps	Categ
1	R1FACT8	rlfact8:impflag w1 r whether imputed value	Categ
1	R1ACT10	rlact10:w1 Activities- preparing hot meals	Categ
1	R1FACT10	rlfact10:impflag w1 r whether imputed value	Categ
1	R1ACT13	rlact13:w1 Activities- traveling	Categ
1	R1FACT13	rlfact13:impflag w1 r whether imputed value	Categ
1	R1ACT14	rlact14:w1 Activities- public transit	Categ
1	R1FACT14	rlfact14:impflag w1 r whether imputed value	Categ
1	R1ACT15	rlact15:w1 Activities- work or volunteer	Categ
1	R1FACT15	rlfact15:impflag w1 r whether imputed value	Categ
1	R1ACT16	rlact16:w1 Activities- store or market for food	Categ
1	R1FACT16	rlfact16:impflag w1 r whether imputed value	Categ
1	R1ACT22	rlact22:w1 Activities- walks	Categ
1	R1FACT22	rlfact22:impflag w1 r whether imputed value	Categ
1	R1ACT24	rlact24:w1 Activities- yoga or any other exercise	Categ
1	R1FACT24	rlfact24:impflag w1 r whether imputed value	Categ
1	R1ACT38	rlact38:w1 Activities- daily activities	Categ
1	R1FACT38	rlfact38:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ACT1	3224	1.70	1.38	0.00	5.00

R1FACT1	3224	0.14	1.23	0.00	12.00
R1ACT2	3224	0.58	0.96	0.00	5.00
R1FACT2	3224	0.14	1.22	0.00	12.00
R1ACT5	3224	1.75	1.52	0.00	5.00
R1FACT5	3224	0.14	1.22	0.00	12.00
R1ACT7	3224	0.08	0.45	0.00	5.00
R1FACT7	3224	0.14	1.23	0.00	12.00
R1ACT8	3224	1.87	1.27	0.00	5.00
R1FACT8	3224	0.14	1.22	0.00	12.00
R1ACT10	3224	0.38	0.49	0.00	1.00
R1FACT10	3224	0.14	1.22	0.00	12.00
R1ACT13	3224	0.60	0.49	0.00	1.00
R1FACT13	3224	0.13	1.22	0.00	12.00
R1ACT14	3224	0.61	0.49	0.00	1.00
R1FACT14	3224	0.13	1.22	0.00	12.00
R1ACT15	3224	4.59	1.90	1.00	6.00
R1FACT15	3224	0.14	1.22	0.00	12.00
R1ACT16	3224	4.00	1.86	1.00	6.00
R1FACT16	3224	0.14	1.22	0.00	12.00
R1ACT22	3224	4.23	2.24	1.00	6.00
R1FACT22	3224	0.14	1.23	0.00	12.00
R1ACT24	3224	5.57	1.31	1.00	6.00
R1FACT24	3224	0.14	1.23	0.00	12.00
R1ACT38	3224	1.76	0.68	1.00	3.00
R1FACT38	3224	0.14	1.22	0.00	12.00

Categorical Variable Codes

Value-----	R1ACT1
0.Never	980
1.One-half	415
2.One	726
3.Two to three	861
4.Four to six	186
5.Seven or more	56
Value-----	R1FACT1
0.Not imputed	3159

1.Dont know	16
2.Missing	10
4.Refused	6
12.Not interviewed	33

Value-----	R1ACT2
0.Never	2195
1.One-half	409
2.One	440
3.Two to three	149
4.Four to six	27
5.Seven or more	4

Value-----	R1FACT2
0.Not imputed	3150
1.Dont know	26
2.Missing	10
4.Refused	5
12.Not interviewed	33

Value-----	R1ACT5
0.Never	1089
1.One-half	339
2.One	619
3.Two to three	792
4.Four to six	251
5.Seven or more	134

Value-----	R1FACT5
0.Not imputed	3164
1.Dont know	12
2.Missing	10
4.Refused	5
12.Not interviewed	33

Value-----	R1ACT7
0.Never	3110
1.One-half	28
2.One	51
3.Two to three	23
4.Four to six	8
5.Seven or more	4

Value-----	R1FACT7
0.Not imputed	3158
1.Dont know	16
2.Missing	10
4.Refused	7
12.Not interviewed	33

Value-----	R1ACT8
0.Never	690
1.One-half	416
2.One	1027
3.Two to three	853
4.Four to six	184
5.Seven or more	54

Value-----	R1FACT8
0.Not imputed	3155
1.Dont know	22
2.Missing	10
4.Refused	4
12.Not interviewed	33

Value-----	R1ACT10
0.No	1988
1.Yes	1236

Value-----	R1FACT10
0.Not imputed	3173

1.Dont know	3
2.Missing	10
4.Refused	5
12.Not interviewed	33
Value-----	R1ACT13
0.No	1305
1.Yes	1919
Value-----	R1FACT13
0.Not imputed	3172
1.Dont know	6
2.Missing	10
4.Refused	3
12.Not interviewed	33
Value-----	R1ACT14
0.No	1251
1.Yes	1973
Value-----	R1FACT14
0.Not imputed	3172
1.Dont know	6
2.Missing	10
4.Refused	3
12.Not interviewed	33
Value-----	R1ACT15
1.Daily	506
2.Several times a week	180
3.Once a week	153
4.Once a month	161
5.Rarely	501
6.Never	1723
Value-----	R1FACT15
0.Not imputed	3162
1.Dont know	14
2.Missing	10
4.Refused	5
12.Not interviewed	33
Value-----	R1ACT16
1.Daily	426
2.Several times a week	499
3.Once a week	441
4.Once a month	211
5.Rarely	570
6.Never	1077
Value-----	R1FACT16
0.Not imputed	3165
1.Dont know	10
2.Missing	10
4.Refused	6
12.Not interviewed	33
Value-----	R1ACT22
1.Daily	946
2.Several times a week	105
3.Once a week	65
4.Once a month	27
5.Rarely	306
6.Never	1775
Value-----	R1FACT22
0.Not imputed	3164
1.Dont know	10
2.Missing	10
4.Refused	7
12.Not interviewed	33

Value-----	R1ACT24
1.Daily	211
2.Several times a week	27
3.Once a week	22
4.Once a month	13
5.Rarely	136
6.Never	2815

Value-----	R1FACT24
0.Not imputed	3162
1.Dont know	13
2.Missing	10
4.Refused	6
12.Not interviewed	33

Value-----	R1ACT38
1.No change	1212
2.Slowing down	1558
3.Activities decreased or discontinued	454

Value-----	R1FACT38
0.Not imputed	3165
1.Dont know	10
2.Missing	10
4.Refused	6
12.Not interviewed	33

How Constructed

The following variables pertain to a series of questions regarding the respondent's activity level, according to the informant.

RwACT1 asks the informant how many hours in an average day the respondent spends watching television. RwACT1 is coded as follows: 0. Never, 1. 30 minutes, 2. One hour, 3. Two to three hours, 4. Four to six hours, and 5. Seven or more hours. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT2 asks the informant how many hours in an average day the respondent spends reading. RwACT2 is coded as follows: 0. Never, 1. 30 minutes, 2. One hour, 3. Two to three hours, 4. Four to six hours, and 5. Seven or more hours. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT5 asks the informant how many hours in an average day the respondent spends doing chores, maintenance, or gardening. RwACT5 is coded as follows: 0. Never, 1. 30 minutes, 2. One hour, 3. Two to three hours, 4. Four to six hours, and 5. Seven or more hours. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT7 asks the informant how many hours in an average day the respondent spends using a computer or the internet. RwACT7 is coded as follows: 0. Never, 1. 30 minutes, 2. One hour, 3. Two to three hours, 4. Four to six hours, and 5. Seven or more hours. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT8 asks the informant how many hours in an average day the respondent spends taking naps. RwACT8 is coded as follows: 0. Never, 1. 30 minutes, 2. One hour, 3. Two to three hours, 4. Four to six hours, and 5. Seven or more hours. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT10 asks the informant whether the respondent prepares hot meals. A 1 indicates that the respondent prepares hot meals. A 0 indicates that the respondent does not prepare hot meals

or that it is not customary for the respondent to do this. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT13 asks the informant whether the respondent is able to travel somewhere by himself/herself. A 1 is coded for yes. A 0 is coded for no. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT14 asks the informant whether the respondent can use public transit by himself/herself. A 1 is coded for yes. A 0 is coded for no. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT15 asks the informant how often the respondent goes to work or volunteers. RwACT15 is coded as follows: 1. Daily, 2. Several times a week, 3. Once a week, 4. Once a month, 5. Rarely, and 6. Never. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT16 asks the informant how often the respondent goes to the store or market for food or other things. RwACT16 is coded as follows: 1. Daily, 2. Several times a week, 3. Once a week, 4. Once a month, 5. Rarely, and 6. Never. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT22 asks the informant how often the respondent goes for walks. RwACT22 is coded as follows: 1. Daily, 2. Several times a week, 3. Once a week, 4. Once a month, 5. Rarely, and 6. Never. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT24 asks the informant how often the respondent does yoga or any other exercise. RwACT24 is coded as follows: 1. Daily, 2. Several times a week, 3. Once a week, 4. Once a month, 5. Rarely, and 6. Never. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwACT38 indicates how much, if any, the informant has seen a change in the respondent's daily activities in the past few years. RwACT38 is coded as follows: 1. No change, 2. Slowing down, and 3. Activities decreased or discontinued. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwFACT1 - RwFACT38 are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0. Not imputed, 1. Don't know, 2. Missing, 4. Refused, and 12. Not interviewed. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

The HRS HCAP asked "is R able to drive on his/her own?" while DAD asked "is R able to travel somewhere on his/her own?". The HRS HCAP asked "How often does R play sports or exercise?" while DAD asked "How often does R do yoga or any other exercise?"

DAD Variables Used

Wave 1 Inf:

ACT_1	hrs spent watching tv
ACT_10	prepares hot meals
ACT_13	able to travel on own
ACT_14	use public transit on own
ACT_15	freq go to work/volunteer
ACT_16	freq go to store/market
ACT_2	hrs spent reading
ACT_22	freq go for walk
ACT_24	freq play sports/exercise
ACT_3	hrs spent listening records/radio
ACT_38	change in daily activities
ACT_4	hrs spent playing puzzles/games
ACT_5	hrs spent playing puzzles/gameshrs spent chor
ACT_6	hrs spent talking family/friends
ACT_7	hrs spent using computer/internet
ACT_8	hrs spent taking naps
ACT_9	other activities

Everyday Feelings

Wave	Variable	Label	Type
1	R1FEEL27	rlfeel27:w1 Activities- feelings: happy	Categ
1	R1FFEEL27	rlffeel27:impflag w1 r whether imputed value	Categ
1	R1FEEL29	rlfeel29:w1 Activities- feelings: engaged	Categ
1	R1FFEEL29	rlffeel29:impflag w1 r whether imputed value	Categ
1	R1FEEL30	rlfeel30:w1 Activities- feelings: alert	Categ
1	R1FFEEL30	rlffeel30:impflag w1 r whether imputed value	Categ
1	R1FEEL31	rlfeel31:w1 Activities- feelings: interested	Categ
1	R1FFEEL31	rlffeel31:impflag w1 r whether imputed value	Categ
1	R1FEEL36	rlfeel36:w1 Activities- feelings: confused	Categ
1	R1FFEEL36	rlffeel36:impflag w1 r whether imputed value	Categ
1	R1FEEL37	rlfeel37:w1 Activities- feelings: withdrawn	Categ
1	R1FFEEL37	rlffeel37:impflag w1 r whether imputed value	Categ
1	R1FEELPOS	rlfeelpos:w1 Activities- feelings: mean positive emotions	Cont
1	R1FEELNEG	rlfeelneg:w1 Activities- feelings: mean negative emotions	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FEEL27	3224	2.98	1.13	1.00	5.00
R1FFEEL27	3224	0.15	1.23	0.00	12.00
R1FEEL29	3224	2.76	1.23	1.00	5.00
R1FFEEL29	3224	0.15	1.23	0.00	12.00
R1FEEL30	3224	2.91	1.25	1.00	5.00
R1FFEEL30	3224	0.15	1.23	0.00	12.00
R1FEEL31	3224	2.89	1.27	1.00	5.00
R1FFEEL31	3224	0.33	1.34	0.00	12.00
R1FEEL36	3224	1.93	1.14	1.00	5.00
R1FFEEL36	3224	0.15	1.24	0.00	12.00
R1FEEL37	3224	1.93	1.21	1.00	5.00
R1FFEEL37	3224	0.15	1.23	0.00	12.00
R1FEELPOS	3224	2.89	0.94	1.00	5.00

R1FEELNEG 3224 1.93 1.01 1.00 5.00

Categorical Variable Codes

Value-----	R1FEEL27
1.Not at all	421
2.A little	508
3.Somewhat	1299
4.Quite a bit	695
5.Very much	301

Value-----	R1FFEEL27
0.Not imputed	3129
1.Dont know	44
2.Missing	10
4.Refused	8
12.Not interviewed	33

Value-----	R1FEEL29
1.Not at all	701
2.A little	540
3.Somewhat	1078
4.Quite a bit	635
5.Very much	270

Value-----	R1FFEEL29
0.Not imputed	3151
1.Dont know	22
2.Missing	10
4.Refused	8
12.Not interviewed	33

Value-----	R1FEEL30
1.Not at all	633
2.A little	437
3.Somewhat	1074
4.Quite a bit	736
5.Very much	344

Value-----	R1FFEEL30
0.Not imputed	3140
1.Dont know	33
2.Missing	10
4.Refused	8
12.Not interviewed	33

Value-----	R1FEEL31
1.Not at all	661
2.A little	427
3.Somewhat	1100
4.Quite a bit	672
5.Very much	364

Value-----	R1FFEEL31
0.Not imputed	2858
1.Dont know	32
2.Missing	291
4.Refused	10
12.Not interviewed	33

Value-----	R1FEEL36
1.Not at all	1659
2.A little	589
3.Somewhat	600
4.Quite a bit	284
5.Very much	92

Value-----	R1FFEEL36
------------	-----------

0.Not imputed	3130
1.Dont know	41
2.Missing	10
4.Refused	10
12.Not interviewed	33

Value-----	R1FEEL37
1.Not at all	1761
2.A little	480
3.Somewhat	569
4.Quite a bit	268
5.Very much	146

Value-----	R1FFEEL37
0.Not imputed	3136
1.Dont know	37
2.Missing	10
4.Refused	8
12.Not interviewed	33

How Constructed

The following variables asks the informant a series of questions regarding the respondent's feelings.

RwFEEL27 indicates how much the informant would say that the respondent felt happy. The informant is instructed to answer this thinking about yesterday or the most recent time the informant observed the respondent for most of the day. RwFEEL27 is coded as follows: 1. Not at all, 2. A little, 3. Somewhat, 4. Quite a bit, and 5. Very much. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwFEEL29 indicates how much the informant would say that the respondent felt engaged. The informant is instructed to answer this thinking about yesterday or the most recent time the informant observed the respondent for most of the day. RwFEEL29 is coded as follows: 1. Not at all, 2. A little, 3. Somewhat, 4. Quite a bit, and 5. Very much. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwFEEL30 indicates how much the informant would say that the respondent felt alert. The informant is instructed to answer this thinking about yesterday or the most recent time the informant observed the respondent for most of the day. RwFEEL30 is coded as follows: 1. Not at all, 2. A little, 3. Somewhat, 4. Quite a bit, and 5. Very much. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwFEEL31 indicates how much the informant would say that the respondent felt interested. The informant is instructed to answer this thinking about yesterday or the most recent time the informant observed the respondent for most of the day. RwFEEL31 is coded as follows: 1. Not at all, 2. A little, 3. Somewhat, 4. Quite a bit, and 5. Very much. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively. RwFEEL31 is coded as special missing (.m) if ACT_31 is 0.

RwFEEL36 indicates how much the informant would say that the respondent felt confused. The informant is instructed to answer this thinking about yesterday or the most recent time the informant observed the respondent for most of the day. RwFEEL36 is coded as follows: 1. Not at all, 2. A little, 3. Somewhat, 4. Quite a bit, and 5. Very much. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwFEEL37 indicates how much the informant would say that the respondent felt withdrawn. The informant is instructed to answer this thinking about yesterday or the most recent time the informant observed the respondent for most of the day. RwFEEL37 is coded as follows: 1. Not at all, 2. A little, 3. Somewhat, 4. Quite a bit, and 5. Very much. Special missing (.h) is

assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwFEELPOS indicates the mean value for positive emotions. This variable is composed of RwFEEL27, RwFEEL29, RwFEEL30, and RwFEEL31. RwFEELPOS is calculated by taking the sum of RwFEEL27, RwFEEL29, RwFEEL30, and RwFEEL31 over the number of non-missing values between RwFEEL27, RwFEEL29, RwFEEL30, and RwFEEL31. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwFEELNEG indicates the mean value for negative emotions. This variable is composed of RwFEEL36 and RwFEEL37. RwFEELNEG is calculated by taking the sum of RwFEEL36 and RwFEEL37 over the number of non-missing values between RwFEEL36 and RwFEEL37. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwFEEL27 - RwFEEL37 are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 4.Refused, and 12.Not interviewed. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

No differences known.

DAD Variables Used

Wave 1 Inf:

ACT_27	felt happy
ACT_29	felt engaged
ACT_30	felt alert
ACT_31	felt alertinterested
ACT_36	felt confused
ACT_37	felt withdrawn

Cognitive Activity Score (CSI)

Wave	Variable	Label	Type
1	R1CSI1	rlcsi1:w1 CSI- general decline in mental functioning	Categ
1	R1FCSI1	rlfcsi1:impflag w1 r whether imputed value	Categ
1	R1CSI2	rlcsi2:w1 CSI- remembering things a serious problems	Categ
1	R1FCSI2	rlfcsi2:impflag w1 r whether imputed value	Categ
1	R1CSI3	rlcsi3:w1 CSI- forget where put things	Categ
1	R1FCSI3	rlfcsi3:impflag w1 r whether imputed value	Categ
1	R1CSI4	rlcsi4:w1 CSI- forget where things are usually kept	Categ
1	R1FCSI4	rlfcsi4:impflag w1 r whether imputed value	Categ
1	R1CSI5	rlcsi5:w1 CSI- forget the names of friends	Categ
1	R1FCSI5	rlfcsi5:impflag w1 r whether imputed value	Categ
1	R1CSI6	rlcsi6:w1 CSI- forget the names of family members	Categ
1	R1FCSI6	rlfcsi6:impflag w1 r whether imputed value	Categ
1	R1CSI7	rlcsi7:w1 CSI- forget what r wanted to say in the middle of	Categ
1	R1FCSI7	rlfcsi7:impflag w1 r whether imputed value	Categ
1	R1CSI8	rlcsi8:w1 CSI- difficulty finding the right words	Categ
1	R1FCSI8	rlfcsi8:impflag w1 r whether imputed value	Categ
1	R1CSI9	rlcsi9:w1 CSI- use the wrong words	Categ
1	R1FCSI9	rlfcsi9:impflag w1 r whether imputed value	Categ
1	R1CSI10	rlcsi10:w1 CSI- tend to talk about what happened long ago	Categ
1	R1FCSI10	rlfcsi10:impflag w1 r whether imputed value	Categ
1	R1CSI11	rlcsi11:w1 CSI- forget when last saw informant	Categ
1	R1FCSI11	rlfcsi11:impflag w1 r whether imputed value	Categ
1	R1CSI12	rlcsi12:w1 CSI- forget what happened the day before	Categ
1	R1FCSI12	rlfcsi12:impflag w1 r whether imputed value	Categ
1	R1CSI13	rlcsi13:w1 CSI- forget where they are	Categ
1	R1FCSI13	rlfcsi13:impflag w1 r whether imputed value	Categ
1	R1CSI14	rlcsi14:w1 CSI- get lost in the community	Categ
1	R1FCSI14	rlfcsi14:impflag w1 r whether imputed value	Categ
1	R1CSI15	rlcsi15:w1 CSI- get lost in own home	Categ

1 R1FCSI15 r1fcsi15:impflag w1 r whether imputed value

Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1CSI1	3224	0.26	0.44	0.00	1.00
R1FCSI1	3224	0.14	1.23	0.00	12.00
R1CSI2	3224	0.21	0.41	0.00	1.00
R1FCSI2	3224	0.15	1.23	0.00	12.00
R1CSI3	3224	1.10	0.92	0.00	2.00
R1FCSI3	3224	0.15	1.24	0.00	12.00
R1CSI4	3224	1.07	0.92	0.00	2.00
R1FCSI4	3224	0.15	1.23	0.00	12.00
R1CSI5	3224	0.44	0.79	0.00	2.00
R1FCSI5	3224	0.15	1.24	0.00	12.00
R1CSI6	3224	0.22	0.60	0.00	2.00
R1FCSI6	3224	0.14	1.23	0.00	12.00
R1CSI7	3224	0.62	0.88	0.00	2.00
R1FCSI7	3224	0.15	1.23	0.00	12.00
R1CSI8	3224	0.54	0.84	0.00	2.00
R1FCSI8	3224	0.15	1.24	0.00	12.00
R1CSI9	3224	0.40	0.76	0.00	2.00
R1FCSI9	3224	0.15	1.24	0.00	12.00
R1CSI10	3224	0.82	0.92	0.00	2.00
R1FCSI10	3224	0.15	1.24	0.00	12.00
R1CSI11	3224	0.23	0.60	0.00	2.00
R1FCSI11	3224	0.15	1.24	0.00	12.00
R1CSI12	3224	0.39	0.75	0.00	2.00
R1FCSI12	3224	0.15	1.23	0.00	12.00
R1CSI13	3224	0.18	0.55	0.00	2.00
R1FCSI13	3224	0.14	1.23	0.00	12.00
R1CSI14	3224	0.23	0.59	0.00	2.00
R1FCSI14	3224	0.16	1.25	0.00	12.00

R1CSI15	3224	0.10	0.42	0.00	2.00
R1FCSI15	3224	0.15	1.24	0.00	12.00

Categorical Variable Codes

Value-----	R1CSI1
0.No	2393
1.Yes	831

Value-----	R1FCSI1
0.Not imputed	3154
1.Dont know	19
2.Missing	10
4.Refused	8
12.Not interviewed	33

Value-----	R1CSI2
0.No	2533
1.Yes	691

Value-----	R1FCSI2
0.Not imputed	3151
1.Dont know	21
2.Missing	10
4.Refused	9
12.Not interviewed	33

Value-----	R1CSI3
0.No	1221
1.Yes	460
2.Sometimes	1543

Value-----	R1FCSI3
0.Not imputed	3153
1.Dont know	16
2.Missing	10
4.Refused	12
12.Not interviewed	33

Value-----	R1CSI4
0.No	1258
1.Yes	472
2.Sometimes	1494

Value-----	R1FCSI4
0.Not imputed	3148
1.Dont know	23
2.Missing	10
4.Refused	10
12.Not interviewed	33

Value-----	R1CSI5
0.No	2420
1.Yes	203
2.Sometimes	601

Value-----	R1FCSI5
0.Not imputed	3131
1.Dont know	39
2.Missing	10
4.Refused	11
12.Not interviewed	33

Value-----	R1CSI6
0.No	2813
1.Yes	104
2.Sometimes	307

Value-----	R1FCSI6
0.Not imputed	3162
1.Dont know	11
2.Missing	10
4.Refused	8
12.Not interviewed	33
Value-----	R1CSI7
0.No	2098
1.Yes	247
2.Sometimes	879
Value-----	R1FCSI7
0.Not imputed	3146
1.Dont know	25
2.Missing	10
4.Refused	10
12.Not interviewed	33
Value-----	R1CSI8
0.No	2213
1.Yes	268
2.Sometimes	743
Value-----	R1FCSI8
0.Not imputed	3149
1.Dont know	21
2.Missing	10
4.Refused	11
12.Not interviewed	33
Value-----	R1CSI9
0.No	2490
1.Yes	190
2.Sometimes	544
Value-----	R1FCSI9
0.Not imputed	3150
1.Dont know	20
2.Missing	10
4.Refused	11
12.Not interviewed	33
Value-----	R1CSI10
0.No	1711
1.Yes	394
2.Sometimes	1119
Value-----	R1FCSI10
0.Not imputed	3138
1.Dont know	30
2.Missing	10
4.Refused	13
12.Not interviewed	33
Value-----	R1CSI11
0.No	2766
1.Yes	161
2.Sometimes	297
Value-----	R1FCSI11
0.Not imputed	3151
1.Dont know	19
2.Missing	10
4.Refused	11
12.Not interviewed	33
Value-----	R1CSI12
0.No	2480
1.Yes	223
2.Sometimes	521

Value-----	R1FCSI12
0.Not imputed	3153
1.Dont know	19
2.Missing	10
4.Refused	9
12.Not interviewed	33
Value-----	R1CSI13
0.No	2878
1.Yes	103
2.Sometimes	243
Value-----	R1FCSI13
0.Not imputed	3161
1.Dont know	11
2.Missing	10
4.Refused	9
12.Not interviewed	33
Value-----	R1CSI14
0.No	2768
1.Yes	175
2.Sometimes	281
Value-----	R1FCSI14
0.Not imputed	3133
1.Dont know	31
2.Missing	10
4.Refused	17
12.Not interviewed	33
Value-----	R1CSI15
0.No	3026
1.Yes	60
2.Sometimes	138
Value-----	R1FCSI15
0.Not imputed	3156
1.Dont know	13
2.Missing	10
4.Refused	12
12.Not interviewed	33

How Constructed

The following variables pertain to a series of questions that ask the informant about any changes they may have noticed in the respondent.

RwCSI1 indicates whether the informant has noticed a general decline in the respondent's mental functioning.

RwCSI2 indicates whether the informant has noticed that remembering things has been a serious problem for the respondent.

RwCSI3 indicates whether the informant has noticed that the respondent forgets where he/she have put things.

RwCSI4 indicates whether the informant has noticed that the respondent forgets where things are usually kept.

RwCSI5 indicates whether the informant has noticed that the respondent forgets the name of friends.

RwCSI6 indicates whether the informant has noticed that the respondent forgets names of family members.

RwCSI7 indicates whether the informant has noticed that the respondent forgets what he/she wanted to say in the middle of a conversation.

RwCSI8 indicates whether the informant has noticed that the respondent has difficulty finding the right words.

RwCSI9 indicates whether the informant has noticed that the respondent uses the wrong words.

RwCSI10 indicates whether the informant has noticed that the respondent tends to talk about what happened long ago, rather than the present.

RwCSI11 indicates whether the informant has noticed that the respondent forgets when they last saw the informant.

RwCSI12 indicates whether the informant has noticed that the respondent forgets what happened the day before.

RwCSI13 indicates whether the informant has noticed that the respondent forgets where they are.

RwCSI14 indicates whether the informant has noticed that the respondent gets lost in the community, such as when finding the post office or friends' houses.

RwCSI15 indicates whether the informant has noticed that the respondent gets lost in their own home, such as when finding the toilet.

RwCSI1 and RwCSI2 are coded as follows: 0. No and 1. Yes. RwCSI3 - RwCSI15 are coded as follows: 0. No, 1. Yes, and 2. Sometimes. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwFCSI1 - RwFCSI15 are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0. Not imputed, 1. Don't know, 2. Missing, 4. Refused, and 12. Not interviewed. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

No differences known.

DAD Variables Used

Wave 1 Inf:

CSI_COGACT1	decline in mental functioning
CSI_COGACT10	talks about past not present
CSI_COGACT11	forget when last saw inf
CSI_COGACT12	forget what happened prior day
CSI_COGACT13	forget where he/she is
CSI_COGACT14	gets lost in community
CSI_COGACT15	gets lost in own home
CSI_COGACT2	difficulty remembering things
CSI_COGACT3	forget where put things
CSI_COGACT4	forget where things kept
CSI_COGACT5	forget friends names
CSI_COGACT6	forget family member names
CSI_COGACT7	forget in middle convo
CSI_COGACT8	hard time finding right words
CSI_COGACT9	uses wrong word

10/66

Wave	Variable	Label	Type
1	R1TEN1	rlten1:w1 10-66- household chores	Categ
1	R1FTEN1	rlften1:impflag w1 r whether imputed value	Categ
1	R1TEN2	rlten2:w1 10-66- special skill or hobby	Categ
1	R1FTEN2	rlften2:impflag w1 r whether imputed value	Categ
1	R1TEN3	rlten3:w1 10-66- handle money	Categ
1	R1FTEN3	rlften3:impflag w1 r whether imputed value	Categ
1	R1TEN4	rlten4:w1 10-66- adjusting to change	Categ
1	R1FTEN4	rlften4:impflag w1 r whether imputed value	Categ
1	R1TEN5	rlten5:w1 10-66- think and reason	Categ
1	R1FTEN5	rlften5:impflag w1 r whether imputed value	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1TEN1	3224	0.52	0.74	0.00	2.00
R1FTEN1	3224	0.25	1.37	0.00	12.00
R1TEN2	3224	0.38	0.48	0.00	1.00
R1FTEN2	3224	0.21	1.26	0.00	12.00
R1TEN3	3224	0.63	0.81	0.00	2.00
R1FTEN3	3224	0.16	1.25	0.00	12.00
R1TEN4	3224	0.58	0.83	0.00	2.00
R1FTEN4	3224	0.16	1.23	0.00	12.00
R1TEN5	3224	0.28	0.45	0.00	1.00
R1FTEN5	3224	0.19	1.25	0.00	12.00

Categorical Variable Codes

Value	R1TEN1
0.No	2022
1.Yes	721
2.Sometimes	481

Value	R1FTEN1
0.Not imputed	3056
1.Dont know	35
2.Missing	10
4.Refused	90
12.Not interviewed	33

Value-----	R1TEN2
0.No	2006
1.Yes	1218

Value-----	R1FTEN2
0.Not imputed	2965
1.Dont know	200
2.Missing	10
4.Refused	16
12.Not interviewed	33

Value-----	R1TEN3
0.No difficulty	1878
1.Cannot handle money	653
2.Some difficulty	693

Value-----	R1FTEN3
0.Not imputed	3117
1.Dont know	47
2.Missing	10
4.Refused	17
12.Not interviewed	33

Value-----	R1TEN4
0.No	2084
1.Yes	420
2.Sometimes	720

Value-----	R1FTEN4
0.Not imputed	3118
1.Dont know	54
2.Missing	10
4.Refused	9
12.Not interviewed	33

Value-----	R1TEN5
0.No	2308
1.Yes	916

Value-----	R1FTEN5
0.Not imputed	3034
1.Dont know	135
2.Missing	10
4.Refused	12
12.Not interviewed	33

How Constructed

RwTEN1 indicates the informant's perception whether the respondent has difficulty performing household chores that they used to do, such as preparing food or boiling a pot of tea. RwTEN1 is coded as follows: 0. No, 1. Yes, and 2. Sometimes. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwTEN2 asks the informant whether the respondent has lost a special skill or hobby that was previously manageable. RwTEN2 is coded as 0 if no and 1 if yes. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwTEN3 asks the informant whether there has been a change in the respondent's ability to handle money. RwTEN3 is coded as follows: 0. No difficulty, 1. Cannot handle money, and 2. Some difficulty. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwTEN4 asks the informant whether the respondent has difficulty in adjusting to change in their daily routine. RwTEN4 is coded as follows: 0. No, 1. Yes, and 2. Sometimes. Special

missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwTEN5 asks the informant whether there has been a change in the respondent's ability to think and reason. RwTEN5 is coded as 0 if no and 1 if yes. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwFTEN1 - RwFTEN5 are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 4.Refused, and 12.Not interviewed. The original missing value is otherwise included.

Cross Wave Differences in DAD

No differences known.

Differences with HRS HCAP

No differences known.

DAD Variables Used

Wave 1 Inf:

TEN_1	difficulty hh chores
TEN_2	loss of special skill or hobby
TEN_3	change in handling money
TEN_4	difficulty daily routine
TEN_5	change in ability to think/reason

Blessed Test—Part 1

Wave	Variable	Label	Type
1	R1BL1_1	rlbl1_1:w1 Blessed test part 1- performing household tasks	Categ
1	R1FBL1_1	rlfbl1_1:impflag w1 r whether imputed value	Categ
1	R1BL1_2	rlbl1_2:w1 Blessed test part 1- coping with small sums of mo	Categ
1	R1FBL1_2	rlfbl1_2:impflag w1 r whether imputed value	Categ
1	R1BL1_3	rlbl1_3:w1 Blessed test part 1- remembering a short list of	Categ
1	R1FBL1_3	rlfbl1_3:impflag w1 r whether imputed value	Categ
1	R1BL1_4	rlbl1_4:w1 Blessed test part 1- finding her/his way about in	Categ
1	R1FBL1_4	rlfbl1_4:impflag w1 r whether imputed value	Categ
1	R1BL1_5	rlbl1_5:w1 Blessed test part 1- finding his/her way around f	Categ
1	R1FBL1_5	rlfbl1_5:impflag w1 r whether imputed value	Categ
1	R1BL1_6	rlbl1_6:w1 Blessed test part 1- grasping situations or expla	Categ
1	R1FBL1_6	rlfbl1_6:impflag w1 r whether imputed value	Categ
1	R1BL1_7	rlbl1_7:w1 Blessed test part 1- recalling recent events	Categ
1	R1FBL1_7	rlfbl1_7:impflag w1 r whether imputed value	Categ
1	R1BL1_8	rlbl1_8:w1 Blessed test part 1- tending to dwell on the past	Categ
1	R1FBL1_8	rlfbl1_8:impflag w1 r whether imputed value	Categ
1	R1BL1_1A	rlbl1_1a:w1 Blessed test part 1- performing household tasks	Categ
1	R1FBL1_1A	rlfbl1_1a:impflag w1 r whether imputed value	Categ
1	R1BL1_2A	rlbl1_2a:w1 Blessed test part 1- coping with small sums of m	Categ
1	R1FBL1_2A	rlfbl1_2a:impflag w1 r whether imputed value	Categ
1	R1BL1_3A	rlbl1_3a:w1 Blessed test part 1- remembering a short list of	Categ
1	R1FBL1_3A	rlfbl1_3a:impflag w1 r whether imputed value	Categ
1	R1BL1_4A	rlbl1_4a:w1 Blessed test part 1- finding her/his way about i	Categ
1	R1FBL1_4A	rlfbl1_4a:impflag w1 r whether imputed value	Categ
1	R1BL1_5A	rlbl1_5a:w1 Blessed test part 1- finding his/her way around	Categ
1	R1FBL1_5A	rlfbl1_5a:impflag w1 r whether imputed value	Categ
1	R1BL1_6A	rlbl1_6a:w1 Blessed test part 1- grasping situations or expl	Categ
1	R1FBL1_6A	rlfbl1_6a:impflag w1 r whether imputed value	Categ
1	R1BL1_7A	rlbl1_7a:w1 Blessed test part 1- recalling recent events - P	Categ

1	R1FBL1_7A	r1fbl1_7a:impflag w1 r whether imputed value	Categ
1	R1BL1_8A	r1bl1_8a:w1 Blessed test part 1- tending to dwell on the pas	Categ
1	R1FBL1_8A	r1fbl1_8a:impflag w1 r whether imputed value	Categ
1	R1BL1SCORE	r1bl1score:w1 Blessed Test part 1 total score (0-8)	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BL1_1	1776	1.76	0.74	1.00	3.00
R1FBL1_1	3224	5.08	5.49	0.00	12.00
R1BL1_2	1776	1.46	0.70	1.00	3.00
R1FBL1_2	3224	5.08	5.49	0.00	12.00
R1BL1_3	1776	1.59	0.71	1.00	3.00
R1FBL1_3	3224	5.09	5.48	0.00	12.00
R1BL1_4	1776	1.29	0.58	1.00	3.00
R1FBL1_4	3224	5.08	5.49	0.00	12.00
R1BL1_5	1776	1.28	0.57	1.00	3.00
R1FBL1_5	3224	5.08	5.49	0.00	12.00
R1BL1_6	1776	1.41	0.63	1.00	3.00
R1FBL1_6	3224	5.08	5.49	0.00	12.00
R1BL1_7	1776	1.46	0.64	1.00	3.00
R1FBL1_7	3224	5.08	5.49	0.00	12.00
R1BL1_8	1776	1.50	0.59	1.00	3.00
R1FBL1_8	3224	5.08	5.48	0.00	12.00
R1BL1_1A	1013	1.85	0.95	1.00	3.00
R1FBL1_1A	3224	7.64	5.08	0.00	12.00
R1BL1_2A	603	2.30	0.85	1.00	3.00
R1FBL1_2A	3224	9.00	4.25	0.00	12.00
R1BL1_3A	806	2.21	0.84	1.00	3.00
R1FBL1_3A	3224	8.39	4.69	0.00	12.00
R1BL1_4A	406	2.27	0.87	1.00	3.00
R1FBL1_4A	3224	9.66	3.61	0.00	12.00
R1BL1_5A	397	2.25	0.88	1.00	3.00

R1FBL1_5A	3224	9.69	3.58	0.00	12.00
R1BL1_6A	582	2.30	0.86	1.00	3.00
R1FBL1_6A	3224	9.07	4.19	0.00	12.00
R1BL1_7A	676	2.25	0.85	1.00	3.00
R1FBL1_7A	3224	8.77	4.43	0.00	12.00
R1BL1_8A	796	2.25	0.82	1.00	3.00
R1FBL1_8A	3224	8.42	4.67	0.00	12.00
R1BL1SCORE	1776	1.30	1.81	0.00	8.00

Categorical Variable Codes

Value-----	R1BL1_1
.s:Skipped	1448
1.No loss	763
2.Some loss	685
3.Severe loss	328

Value-----	R1FBL1_1
0.Not imputed	1724
1.Dont know	7
2.Missing	3
4.Refused	9
11.Skipped	1448
12.Not interviewed	33

Value-----	R1BL1_2
.s:Skipped	1448
1.No loss	1173
2.Some loss	387
3.Severe loss	216

Value-----	R1FBL1_2
0.Not imputed	1722
1.Dont know	10
2.Missing	3
4.Refused	8
11.Skipped	1448
12.Not interviewed	33

Value-----	R1BL1_3
.s:Skipped	1448
1.No loss	970
2.Some loss	568
3.Severe loss	238

Value-----	R1FBL1_3
0.Not imputed	1700
1.Dont know	23
2.Missing	3
4.Refused	17
11.Skipped	1448
12.Not interviewed	33

Value-----	R1BL1_4
.s:Skipped	1448
1.No loss	1370
2.Some loss	294
3.Severe loss	112

Value-----	R1FBL1_4
------------	----------

0.Not imputed	1726
1.Dont know	8
2.Missing	3
4.Refused	6
11.Skipped	1448
12.Not interviewed	33
Value-----	R1BL1_5
.s:Skipped	1448
1.No loss	1379
2.Some loss	291
3.Severe loss	106
Value-----	R1FBL1_5
0.Not imputed	1727
1.Dont know	5
2.Missing	3
4.Refused	8
11.Skipped	1448
12.Not interviewed	33
Value-----	R1BL1_6
.s:Skipped	1448
1.No loss	1194
2.Some loss	442
3.Severe loss	140
Value-----	R1FBL1_6
0.Not imputed	1728
1.Dont know	5
2.Missing	3
4.Refused	7
11.Skipped	1448
12.Not interviewed	33
Value-----	R1BL1_7
.s:Skipped	1448
1.No loss	1100
2.Some loss	530
3.Severe loss	146
Value-----	R1FBL1_7
0.Not imputed	1722
1.Dont know	11
2.Missing	3
4.Refused	7
11.Skipped	1448
12.Not interviewed	33
Value-----	R1BL1_8
.s:Skipped	1448
1.None	980
2.Sometimes	704
3.Frequently	92
Value-----	R1FBL1_8
0.Not imputed	1705
1.Dont know	27
2.Missing	3
4.Refused	8
11.Skipped	1448
12.Not interviewed	33
Value-----	R1BL1_1A
.s:Skipped	2211
1.Physical	540
2.Mental	85
3.Both	388
Value-----	R1FBL1_1A
0.Not imputed	980

1.Dont know	5
2.Missing	3
11.Skipped	2203
12.Not interviewed	33
Value-----	R1BL1_2A
.s:Skipped	2621
1.Physical	156
2.Mental	110
3.Both	337
Value-----	R1FBL1_2A
0.Not imputed	582
1.Dont know	4
2.Missing	3
11.Skipped	2602
12.Not interviewed	33
Value-----	R1BL1_3A
.s:Skipped	2418
1.Physical	214
2.Mental	206
3.Both	386
Value-----	R1FBL1_3A
0.Not imputed	755
1.Dont know	11
2.Missing	3
11.Skipped	2422
12.Not interviewed	33
Value-----	R1BL1_4A
.s:Skipped	2818
1.Physical	112
2.Mental	73
3.Both	221
Value-----	R1FBL1_4A
0.Not imputed	391
1.Dont know	2
2.Missing	3
11.Skipped	2795
12.Not interviewed	33
Value-----	R1BL1_5A
.s:Skipped	2827
1.Physical	118
2.Mental	63
3.Both	216
Value-----	R1FBL1_5A
0.Not imputed	384
1.Dont know	1
2.Missing	3
11.Skipped	2803
12.Not interviewed	33
Value-----	R1BL1_6A
.s:Skipped	2642
1.Physical	153
2.Mental	104
3.Both	325
Value-----	R1FBL1_6A
0.Not imputed	558
1.Dont know	8
2.Missing	3
11.Skipped	2622
12.Not interviewed	33
Value-----	R1BL1_7A

.s:Skipped	2548
1.Physical	180
2.Mental	149
3.Both	347
Value-----	R1FBL1_7A
0.Not imputed	648
1.Dont know	6
2.Missing	3
4.Refused	1
11.Skipped	2533
12.Not interviewed	33
Value-----	R1BL1_8A
.s:Skipped	2428
1.Physical	193
2.Mental	209
3.Both	394
Value-----	R1FBL1_8A
0.Not imputed	741
1.Dont know	17
2.Missing	3
4.Refused	1
11.Skipped	2429
12.Not interviewed	33

How Constructed

The following variables pertain to a series of questions regarding the informant's perception about how well the respondent does with different activities.

RwBL1_1 indicates whether the informant would say that the respondent has no loss, some loss, or severe loss performing household tasks.

RwBL1_2 indicates whether the informant would say that the respondent has no loss, some loss, or severe loss coping with small sums of money.

RwBL1_3 indicates whether the informant would say that the respondent has no loss, some loss, or severe loss remembering a short list of items such as a shopping list.

RwBL1_4 indicates whether the informant would say that the respondent has no loss, some loss, or severe loss in his/her ability to find his/her way around indoor locations, such as at home or other familiar locations.

RwBL1_5 indicates whether the informant would say that the respondent has no loss, some loss, or severe loss finding his/her way around familiar streets.

RwBL1_6 indicates whether the informant would say that the respondent has no loss, some loss, or severe loss in his/her ability to grasp situations or explanations.

RwBL1_7 indicates whether the informant would say that the respondent has no loss, some loss, or severe loss in his/her ability to recall recent events.

RwBL1_1- RwBL1_7 are coded as follows: 1. No loss, 2. Some loss, and 3. Severe loss. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwBL1_8 indicates whether the informant would say that the respondent tends to dwell on the past: 1. None (of the time), 2. Sometimes, or 3. Frequently. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

R1BL1_1A - RwBL1_8A indicate whether the informant would say that the loss of RwBL1_1 - RwBL1_8 is due to physical reasons, mental reasons, or both. R1BL1_1A - RwBL1_8A are coded as

follows: 1.Physical, 2.Mental and 3.Both. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know, refused, or other missing responses are assigned as special missing (.d), (.r), and (.m), respectively.

RwBL1SCORE indicates the total score of RwBL1_1- RwBL1_8. RwBL1SCORE is calculated by taking the sum of values between R RwBL1_1 - RwBL1_8 if the loss is due to mental and/or both physical and mental reasons. Some loss/sometimes is scored as 0.5 and Severe loss/frequently is scored as 1. Special missing (.h) is assigned if the respondent does not have an informant interview. Don't know response is assigned special missing (.d). Other missing is assigned as special missing (.m).

RwFBL1_1 - RwFBL1_8 and RwFBL1_1A - RwFBL1_8A are flag variables, indicating whether the corresponding variable has an assigned imputed value. The flag variables are coded as follows: 0.Not imputed, 1.Don't know, 2.Missing, 4.Refused, 11.Skipped, and 12.Not interviewed. The original missing value is otherwise included.

Cross Wave Differences in DAD

Due to a skipped pattern error in the phase 1 data, there are special missing (.s) for phase 1 respondents.

Differences with HRS HCAP

No differences known.

DAD Variables Used

Wave 1 Inf:

BL1_1	ability to perform hh tasks
BL1_1A	hh tasks - physical/mental/both
BL1_2	ability to cope with money
BL1_2A	coping with money - physical/mental/both
BL1_3	ability to remember lists
BL1_3A	remembering lists - physical/mental/both
BL1_4	ability to find way in home
BL1_4A	find way in home - physical/mental/both
BL1_5	ability to find way on streets
BL1_5A	find way on streets - physical/mental/both
BL1_6	ability to grasp situation
BL1_6A	grasp situation - physical/mental/both
BL1_7	ability to recall events
BL1_7A	recall events - physical/mental/both
BL1_8	tend to dwell on past
BL1_8A	dwell on past - physical/mental/both

Section D: Physical Measures

Blood Pressure Measurements

Wave	Variable	Label	Type
1	R1SYSTO1	rlsysto1:w1 r blood pressure measure (systolic) 1	Cont
1	R1SYSTO2	rlsysto2:w1 r blood pressure measure (systolic) 2	Cont
1	R1SYSTO3	rlsysto3:w1 r blood pressure measure (systolic) 3	Cont
1	R1SYSTO	rlsysto:w1 r average blood pressure measure (systolic) 2 & 3	Cont
1	R1DIASTO1	rldiasto1:w1 r blood pressure measure (diastolic) 1	Cont
1	R1DIASTO2	rldiasto2:w1 r blood pressure measure (diastolic) 2	Cont
1	R1DIASTO3	rldiasto3:w1 r blood pressure measure (diastolic) 3	Cont
1	R1DIASTO	rldiasto:w1 r average blood pressure measure (diastolic) 2 &	Cont
1	R1PULSE1	rlpulse1:w1 r pulse measure 1	Cont
1	R1PULSE2	rlpulse2:w1 r pulse measure 2	Cont
1	R1PULSE3	rlpulse3:w1 r pulse measure 3	Cont
1	R1PULSE	rlpulse:w1 r average pulse measure 2 & 3	Cont
1	R1BPHIGH	rlbphigh:w1 r high blood pressure	Categ
1	R1BPEAT	rlbpeat:w1 r blood pressure-ate food	Categ
1	R1BPARM	rlbparm:w1 r arm used for blood pressure test	Categ
1	R1BLDPOS	rlbldpos:w1 r position for blood pressure test	Categ
1	R1BPCOMPL	rlbpcmpl:w1 r compliance during blood pressure test	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SYSTO1	3170	139.22	24.15	75.00	232.00
R1SYSTO2	3166	136.24	23.26	72.00	232.00
R1SYSTO3	3164	135.04	22.67	77.00	235.00
R1SYSTO	3166	135.63	22.65	76.50	233.50
R1DIASTO1	3169	83.23	12.61	47.00	149.00
R1DIASTO2	3165	82.00	12.47	43.00	162.00
R1DIASTO3	3161	81.32	12.17	43.00	155.00
R1DIASTO	3166	81.66	12.02	47.50	137.00
R1PULSE1	3168	80.67	12.99	42.00	136.00
R1PULSE2	3165	80.06	12.76	34.00	160.00

R1PULSE3	3156	79.93	12.61	45.00	160.00
R1PULSE	3165	80.01	12.55	45.00	160.00
R1BPHIGH	3166	0.43	0.50	0.00	1.00
R1BPEAT	3195	0.17	0.37	0.00	1.00
R1BPARM	3180	1.02	0.13	1.00	2.00
R1BLDPOS	3180	2.01	0.07	2.00	3.00
R1BPCOMPL	3180	1.01	0.14	1.00	3.00

Categorical Variable Codes

Value-----	R1BPHIGH
.d:DK	2
.h:Not interviewed	9
.i:Invalid	1
.m:Missing	9
.q:Did not complete	12
.r:Refuse	1
.s:Skipped	24
0.No	1797
1.Yes	1369

Value-----	R1BPEAT
.h:Not interviewed	9
.m:Missing	19
.r:Refuse	1
0.No	2658
1.Yes	537

Value-----	R1BPARM
.h:Not interviewed	9
.m:Missing	22
.r:Refuse	1
.s:Skipped	12
1.Left arm	3129
2.Right arm	51

Value-----	R1BLDPOS
.h:Not interviewed	9
.m:Missing	22
.r:Refuse	1
.s:Skipped	12
2.Sitting	3164
3.Lying down	16

Value-----	R1BPCOMPL
.d:DK	1
.h:Not interviewed	9
.m:Missing	22
.s:Skipped	12
1.Fully compliant	3152
2.Prevented from being fully compliant	16
3.Not fully compliant	12

How Constructed

RwSYSTOL1, RwSYSTOL2, and RwSYSTOL3 are the respondent's first, second, and third systolic blood pressure readings. RwSYSTOL is the average of the second and third systolic blood pressure readings. If either the second or the third systolic blood pressure reading is missing, but not both, the first systolic blood pressure reading and the non-missing second

or third reading is used to calculate RwsYSTOL. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.q) is assigned if the respondent tried to do the test but was unable to complete it. Special missing (.s) is employed if the questions were skipped because the respondent did not understand the directions, was unwilling to participate in the blood pressure measurement, or had a rash, a cast, edema, open sores or wounds, or a significant bruise where the blood pressure cuff would be placed. Special missing (.i) is assigned for invalid readings. Special missing (.h) is assigned if the respondent was not interviewed.

RwDIASTO1, RwDIASTO2, RwDIASTO3 are the respondent's first, second, and third diastolic blood pressure readings. RwDIASTO is the average of the second and the third diastolic blood pressure readings. If either the second or the third diastolic blood pressure reading is missing, but not both, the first diastolic blood pressure reading and the non-missing second or third reading is used to calculate RwDIASTO. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.q) is assigned if the respondent tried to do the test but was unable to complete it. Special missing (.s) is employed if the questions were skipped because the respondent did not understand the directions, was unwilling to participate in the blood pressure measurement, or had a rash, a cast, edema, open sores or wounds, or a significant bruise where the blood pressure cuff would be placed. Special missing (.i) is assigned for invalid readings. Special missing (.h) is assigned if the respondent was not interviewed.

RwPULSE1, RwPULSE2, and RwPULSE3 are the respondent's first, second, and third pulse readings. RwPULSE is the average of the second and the third pulse readings. If either the second or the third pulse reading is missing, but not both, the first pulse reading and the non-missing second or third reading is used to calculate RwPULSE. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.q) is assigned if the respondent tried to do the test but was unable to complete it. Special missing (.s) is employed if the questions were skipped because the respondent did not understand the directions, was unwilling to participate in the blood pressure measurement, or had a rash, a cast, edema, open sores or wounds, or a significant bruise where the blood pressure cuff would be placed. Special missing (.i) is assigned for invalid readings. Special missing (.h) is assigned if the respondent was not interviewed.

RwBPHIGH indicates whether the respondent has high blood pressure. If RwsYSTO is 140 mmHg or higher or RwDIASTO is 90 mmHg or higher, a 1 is coded. If RwsYSTO is below 140 mmHg and RwDIASTO is below 90 mmHg, a 0 is coded. If RwsYSTO or RwDIASTO have don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.q) is assigned if the respondent tried to do the test but was unable to complete it. Special missing (.s) is employed if the questions were skipped because the respondent did not understand the directions, was unwilling to participate in the blood pressure measurement, or had a rash, a cast, edema, open sores or wounds, or a significant bruise where the blood pressure cuff would be placed. Special missing (.i) is assigned for invalid readings. Special missing (.h) is assigned if the respondent was not interviewed.

RwBPEAT indicates whether the respondent had smoked, exercised, or consumed alcohol or food within 30 minutes prior to the blood pressure test. A code of 1 indicates the respondent had smoked, exercised, or consumed alcohol or food within the 30 minutes prior to the blood pressure test. A code of 0 indicates the respondent had not smoked, exercised, or consumed alcohol or food within the 30 minutes prior to the blood pressure test. Refused and other missing responses are assigned special missing codes (.r) and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

RwBPARM indicates the arm the respondent used for the blood pressure tests. RwBPARM is coded as follows: 1.Left arm and 2.Right arm. Special missing (.s) is employed if the questions were skipped because the respondent did not understand the directions, was unwilling to participate in the blood pressure measurement, or had a rash, a cast, edema, open sores or wounds, or a significant bruise where the blood pressure cuff would be placed. Refused and other missing responses are assigned special missing codes (.r) and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

RwBLDPOS indicates the position the respondent was in for the blood pressure tests. RwBLDPOS is coded as 2 if sitting and 3 if lying down. Special missing (.s) is employed if the

questions were skipped because the respondent did not understand the directions, was unwilling to participate in the blood pressure measurement, or had a rash, a cast, edema, open sores or wounds, or a significant bruise where the blood pressure cuff would be placed. Refused and other missing responses are assigned special missing codes (.r) and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

RwBPCOMPL indicates how compliant the respondent was for the blood pressure tests. RwBPCOMPL is coded as follows: 1.Fully compliant, 2.Prevented from fully complying due to illness, pain, or other symptoms or discomfort, and 3.Not fully compliant. Special missing (.s) is employed if the questions were skipped because the respondent did not understand the directions, was unwilling to participate in the blood pressure measurement, or had a rash, a cast, edema, open sores or wounds, or a significant bruise where the blood pressure cuff would be placed. Don't know and other missing responses are assigned special missing codes (.d) and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

We have left the determination of valid and invalid measurement values to the discretion of the user.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 GA:

GA101	blood pressure
GA102	activity prior to bp test
GA103	injury where bp cuff contacts arm
GA104	injury where bp cuff contacts arm
GA106	systolic reading 1
GA107	diastolic reading 1
GA108	pulse reading 1
GA110	systolic reading 2
GA111	diastolic reading 2
GA112	pulse reading 2
GA114	systolic reading 3
GA115	diastolic reading 3
GA116	pulse reading 3
GA120	arm used for bp measurements
GA121	rs position for bp test
GA122	how compliant during test

Height, Weight, and BMI

Wave	Variable	Label	Type
1	R1MHEIGHT	rlmheight:w1 r height measurement in meters	Cont
1	R1MWEIGHT	rlmweight:w1 r weight measurement in kilograms	Cont
1	R1MBMI	rlmbmi:w1 r Body Mass Index=kg/m2	Cont
1	R1BMICAT	rlbmicat:w1 r bmi categorization	Categ
1	R1HT_FLAG	rlht_flag:w1 Flag: r LASI height measurement in meters	Categ
1	R1WT_FLAG	rlwt_flag:w1 Flag: r LASI weight measurement in kilograms	Categ
1	R1MSTAND	rlmstand:w1 r whether able to stand for measurements	Categ
1	R1HTLIMBS	rlhtlimbs:w1 r whether wearing artificial limb/orthosis duri	Categ
1	R1WTLIMBS	rlwtlimbs:w1 r whether wearing artificial limb/orthosis duri	Categ
1	R1HTCOMPL	rlhtcompl:w1 r compliance during height measurement	Categ
1	R1WTCOMPL	rlwtcompl:w1 r compliance during weight measurement	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MHEIGHT	2966	1.54	0.09	1.17	1.88
R1MWEIGHT	3136	53.72	13.28	20.05	108.70
R1MBMI	2934	22.54	5.07	10.19	47.69
R1BMICAT	2934	1.14	0.86	0.00	3.00
R1HT_FLAG	3220	0.71	0.45	0.00	1.00
R1WT_FLAG	3220	0.04	0.20	0.00	1.00
R1MSTAND	3157	0.96	0.18	0.00	1.00
R1HTLIMBS	1825	0.12	0.33	0.00	1.00
R1WTLIMBS	3038	0.00	0.04	0.00	1.00
R1HTCOMPL	1751	1.11	0.39	1.00	3.00
R1WTCOMPL	3037	1.01	0.08	1.00	3.00

Categorical Variable Codes

Value-----	R1BMICAT
.h:Not interviewed	4
.i:Invalid	33
.m:Missing	108
.r:Refuse	110
.s:Skipped	35
0.Less than 18.5 bmi	662

1.18.5-24.99 bmi	1440
2.25.0-29.9 bmi	596
3.30.0 and greater bmi	236
Value-----	R1HT_FLAG
.h:Not interviewed	4
0.DAD	921
1.LASI	2299
Value-----	R1WT_FLAG
.h:Not interviewed	4
0.DAD	3082
1.LASI	138
Value-----	R1MSTAND
.d:DK	3
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	54
0.No	111
1.Yes	3046
Value-----	R1HTLIMBS
.d:DK	321
.h:Not interviewed	9
.m:Missing	593
.r:Refuse	365
.s:Skipped	111
0.No	1602
1.Yes	223
Value-----	R1WTLIMBS
.d:DK	6
.h:Not interviewed	9
.m:Missing	58
.r:Refuse	2
.s:Skipped	111
0.No	3033
1.Yes	5
Value-----	R1HTCOMPL
.d:DK	401
.h:Not interviewed	9
.m:Missing	593
.r:Refuse	359
.s:Skipped	111
1.Fully compliant	1618
2.Prevented from being fully compliant	81
3.Not fully compliant	52
Value-----	R1WTCOMPL
.d:DK	6
.h:Not interviewed	9
.m:Missing	58
.r:Refuse	3
.s:Skipped	111
1.Fully compliant	3021
2.Prevented from being fully compliant	14
3.Not fully compliant	2

How Constructed

RwMHEIGHT and RwMWEIGHT indicate the respondent's measured height in meters and measured weight in kilograms, respectively. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.q) is assigned if the respondent tried to be measured but received an error message record. Special missing (.s) is employed if the questions were skipped because the respondent could not stand to complete the test. Special missing (.i) is assigned for invalid readings. Special missing (.h) is assigned if the respondent was not interviewed. R1HT_FLAG and R1WT_FLAG indicate

whether RwmHEIGHT and RwmWEIGHT use DAD or LASI height and weight measurements, respectively. A 0 indicates DAD measurements were used and a 1 indicates LASI measurements were used.

RwMBMI is the respondent's body mass index and it is calculated by dividing the respondent's weight (kg) by the squared value of his/her height (m). RwmBICAT assigns RwMBMI into four categories. RwmBICAT includes the following BMI ranges: 0. 0-18.49, 1. 18.5-24.99, 2. 25.0-29.99, and 3. 30 and up. Refused or other missing responses are assigned special missing codes (.r) and (.m), respectively. Special missing (.s) is employed if the questions were skipped because the respondent could not stand to complete the test. Special missing (.i) is assigned for invalid readings. Special missing (.h) is assigned if the respondent was not interviewed.

RwmSTAND indicates whether the respondent is able to stand for the height and weight measurements. RwmSTAND is coded as 1 if the respondent was able to stand and is coded as 0 if the respondent was unable to stand. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

RwHTLIMBS indicates whether the respondent was wearing any artificial limbs or orthosis during the height measurements and RwmTLIMBS indicates whether the respondent was wearing any artificial limbs or orthosis during the weight measurements. RwHTLIMBS and RwmTLIMBS are coded as 1 if the respondent was wearing an artificial limb or orthosis during the measurement and coded as 0 if the respondent was not wearing any artificial limb or orthosis. RwmHTCOMPL and RwmWTCOMPL indicate how compliant the respondent was during the height and weight measurements, respectively. RwmHTCOMPL and RwmWTCOMPL are coded as follows: 1. Fully compliant, 2. Prevented from fully complying due to illness, pain, or other symptoms or discomforts, and 3. Not fully compliant, but no obvious reason for this. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.s) is employed if the questions were skipped because the respondent could not stand to complete the test. Special missing (.h) is assigned if the respondent was not interviewed.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 GA:

GA123	can respondent stand
GA123B	measurement height
GA124	r wearing artificial limbs or orthosis
GA125	how compliant during test
GA127B	measurement weight
GA128	artificial limb
GA129	how compliant during test

Mid Arm Circumference, Calf Circumference and Knee Height
--

Wave	Variable	Label	Type
1	R1MIDARM	rlmidarm:w1 r mid arm circumference(cm)	Cont
1	R1CALF	rlcalf:w1 r calf circumference(cm)	Cont
1	R1KNEEHT	rlkneeht:w1 r knee height(cm)	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MIDARM	3191	25.17	3.85	11.70	55.80
R1CALF	3195	29.50	4.26	15.20	62.00
R1KNEEHT	3006	49.02	3.53	25.00	59.60

How Constructed

RwMIDARM, RwCALF, and RwKNEEHT indicate the respondent's measured mid arm circumference (cm), measured calf circumference (cm), and measured knee height (cm), respectively. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.i) is assigned for invalid readings. Special missing (.h) is assigned if the respondent was not interviewed.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

These variables are not included in LASI.

DAD Variables Used

Wave 1 GA:	
GA131	mid arm circumference
GA134	calf circumference
GA137	knee measurement

Activities of daily living (ADLs): Some difficulty

Wave	Variable	Label	Type
1	R1DRESSA	rldressa:w1 r Some Diff-Dressing	Categ
1	R1WALKRA	rlwalkra:w1 r Some Diff-Walk across room	Categ
1	R1BATHA	rlbatha:w1 r Some Diff-Bathing	Categ
1	R1EATA	rleata:w1 r Some Diff-Eating	Categ
1	R1BEDA	rlbeda:w1 r Some Diff-Get in/out bed	Categ
1	R1TOILTA	rltoilta:w1 r Some Diff-Using the toilet	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DRESSA	3202	0.17	0.38	0.00	1.00
R1WALKRA	3202	0.27	0.44	0.00	1.00
R1BATHA	3201	0.18	0.39	0.00	1.00
R1EATA	3202	0.16	0.37	0.00	1.00
R1BEDA	3202	0.35	0.48	0.00	1.00
R1TOILTA	3202	0.38	0.49	0.00	1.00

Categorical Variable Codes

Value	R1DRESSA
.d:DK	3
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	9
0.No	2642
1.Yes	560

Value	R1WALKRA
.d:DK	3
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	9
0.No	2351
1.Yes	851

Value	R1BATHA
.d:DK	4
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	9
0.No	2616
1.Yes	585

Value	R1EATA
.d:DK	3
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	9

0.No		2687
1.Yes		515
Value-----		R1BEDA
.d:DK		3
.h:Not interviewed		9
.m:Missing		1
.r:Refuse		9
0.No		2077
1.Yes		1125
Value-----		R1TOILTA
.d:DK		3
.h:Not interviewed		9
.m:Missing		1
.r:Refuse		9
0.No		1986
1.Yes		1216

How Constructed

These variables pertain to questions regarding Activities of Daily Living (ADLs) and whether the respondent experienced any difficulty performing said tasks due to health or memory problems. The ADLs include dressing (RwDRESSA), walking across a room (RwWALKRA), bathing (RwBATHA), eating (RwEATA), getting in and out of bed (RwBEDA), and using the toilet (RwTOILTA). The respondent was instructed to exclude any difficulties they expect to last less than three months.

A code of 0 indicates that the respondent did not report any problems with the activity. A code of 1 indicates that the respondent reported some difficulty with the activity due to health or memory problems. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 GA:

GA201	dressing, including putting on chappals, shoe
GA202	walking across a room
GA203	bathing
GA204	eating, breaking chapatti, mixing rice
GA205	getting in or out of bed
GA206	using the toilet, including getting up and do

ADL Summary: Any difficulty

Wave	Variable	Label	Type
1	R1ADLA_D	rladla_d:wl r Some Diff-ADLs(0-6)	Categ
1	R1ADLANY	rladlany:wl r Any ADL Diff	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ADLA_D	3202	1.52	1.87	0.00	6.00
R1ADLANY	3202	0.54	0.50	0.00	1.00

Categorical Variable Codes

Value-----	R1ADLA_D
.d:DK	3
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	9
0	1488
1	478
2	426
3	256
4	203
5	164
6	187

Value-----	R1ADLANY
.d:DK	3
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	9
0.No	1488
1.Yes	1714

How Constructed

RwADLA_D is an Activities of Daily Living (ADL) summary, indicating the number of ADLs that are difficult for the respondents. Specifically, RwADLA_D is constructed as:

$$\text{RwADLA_D} = \text{sum}(\text{RwWALKRA}, \text{RwBATHA}, \text{RwDRESSA}, \text{RwEATA}, \text{RwBEDA}, \text{RwTOILTA})$$

RwADLANY indicates whether the respondent had any difficulty with one or more ADLs between RwWALKRA, RwBATHA, RwDRESSA, RwEATA, RwBEDA, and RwTOILTA. A 1 is coded if the respondent reported having difficulty with one or more ADL. A 0 indicates no difficulty with any of the included ADLs.

RwADLM indicates the number of missing values the respondent has between RwWALKRA, RwBATHA, RwDRESSA, RwEATA, RwBEDA, and RwTOILTA. RwADLM ranges from 0 to 6.

Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

Please see "Activities of Daily Living (ADLs): Some difficulty" for a description of how each individual ADL was constructed.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

The harmonized DAD constructs an Activities of Daily Living (ADL) summary measure (RwADLA_D) by taking the sum of RwwALKRA, RwbBATHA, RwdDRESSA, RweEATA, RwbBEDA, and RwtOILTA. The harmonized LASI constructs two Activities of Daily Living (ADL) summary measures. One uses the ADLs proposed by Wallace and Herzog in their paper (Wallace and Herzog, 1995) to define an ADL summary (RwADLWA): bathe, dress, and eat. The second includes the aforementioned ADLs and adds getting in/out of bed and walking across a room.

Instrumental activities of daily living (IADLs): Some difficulty

Wave	Variable	Label	Type
1	R1MEALSA	rlmealsa:w1 r Some Diff-Prepare hot meal	Categ
1	R1SHOPA	rlshopa:w1 r Some Diff-Shop for grocery	Categ
1	R1PHONEA	rlphonea:w1 r Some Diff-Use telephone	Categ
1	R1MEDSA	rlmedsa:w1 r Some Diff-Take medications	Categ
1	R1HOUSEWKA	rlhousewka:w1 r Some Diff-Doing hhold chores	Categ
1	R1MONEYA	rlmoneya:w1 r Some Diff-Managing money	Categ
1	R1GETA	rlgeta:w1 r Some Diff-Getting around	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MEALSA	3175	0.33	0.47	0.00	1.00
R1SHOPA	3182	0.33	0.47	0.00	1.00
R1PHONEA	3116	0.42	0.49	0.00	1.00
R1MEDSA	3194	0.18	0.38	0.00	1.00
R1HOUSEWKA	3183	0.34	0.47	0.00	1.00
R1MONEYA	3158	0.38	0.49	0.00	1.00
R1GETA	3179	0.43	0.49	0.00	1.00

Categorical Variable Codes

Value	R1MEALSA
.d:DK	29
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	10
0.No	2121
1.Yes	1054

Value	R1SHOPA
.d:DK	17
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	15
0.No	2136
1.Yes	1046

Value	R1PHONEA
.d:DK	87
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	11
0.No	1820
1.Yes	1296

Value	R1MEDSA
-------	---------

.d:DK	10
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	10
0.No	2632
1.Yes	562
Value-----	R1HOUSEWKA
.d:DK	17
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	14
0.No	2093
1.Yes	1090
Value-----	R1MONEYA
.d:DK	43
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	13
0.No	1954
1.Yes	1204
Value-----	R1GETA
.d:DK	21
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	14
0.No	1824
1.Yes	1355

How Constructed

These variables pertain to questions regarding Instrumental Activities of Daily Living (IADLs) and whether the respondent experienced any difficulty performing said tasks due to health or memory problems. The IADLs included are: preparing a meal (RwMEALSA), shopping for groceries (RwSHOPA), making telephone calls (RwPHONEA), taking medications (RwMEDSA), doing work around the house or garden (RwHOUSEWKA), managing money, such as paying bills and keeping track of expenses (RwMONEYA), and getting around or finding an address in an unfamiliar place (RwGETA). The respondent was instructed to exclude any difficulties they expect to last less than three months.

A code of 0 indicates that the respondent did not report any problems with the activity. A code of 1 indicates that the respondent reported some difficulty with the activity due to health or memory problems. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 GA:

GA207	preparing a hot meal
GA208	shopping for groceries
GA209	making telephone calls
GA210	taking medications
GA211	doing work around the house or garden
GA212	money, such as paying bills and keeping track

GA213

getting around or finding address in unfamili

IADL Summary: Any difficulty

Wave	Variable	Label	Type
1	R1IADLZA_D	rliadlza_d:w1 r Some Diff-IADLs(0-7)	Categ
1	R1IADLANY	rliadlany:w1 r Any IADL Diff	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IADLZA_D	3199	2.38	2.36	0.00	7.00
R1IADLANY	3199	0.67	0.47	0.00	1.00

Categorical Variable Codes

Value-----	R1IADLZA_D
.d:DK	5
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	10
0	1046
1	480
2	368
3	308
4	247
5	259
6	253
7	238

Value-----	R1IADLANY
.d:DK	5
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	10
0.No	1046
1.Yes	2153

How Constructed

RwIADLZA_D is an Instrumental Activities of Daily Living (IADL) summary measure, indicating the number of IADLs that are difficult for the respondent. Each limitation adds one to the summary measure and the variable is constructed as:

$$RwIADLZA_D = \text{sum}(RwPHONEA, RwmONEYA, RwmEDSA, RwSHOPA, RwMEALA, RwhOUSEWKA, RwgETA).$$

RwIADLANY indicates whether the respondent has any difficulty with one or more IADL between RwPHONEA, RwmONEYA, RwmEDSA, RwSHOPA, RwMEALA, RwhOUSEWKA, and RwgETA. A 1 is coded if the respondent reported having difficulty with one or more IADL. A 0 indicates no difficulty with any of the included IADLs.

RwADLM indicates the number of missing values the respondent has between RwPHONEA, RwmONEYA, RwmEDSA, RwSHOPA, RwMEALA, RwhOUSEWKA, and RwgETA. RwADLM ranges from 0-7.

Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

Please see "Instrumental Activities of Daily Living (IADLs): Some difficulty" for a description of how individual dummy variables were constructed.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

The harmonized DAD constructs an Instrumental Activities of Daily Living (IADL) summary (RwIADLZA_D) by taking the sum of RwPHONEA, RwMONEYA, RwMEDSA, RwSHOPA, RwMEALA, RwHOUSEWKA, and RwGETA. The harmonized LASI constructs two Instrumental Activities of Daily Living (IADL) summary measures. One summarizes the commonly used IADLs: using the phone, managing money, and taking medications. The second summarizes the aforementioned tasks and adds these other commonly used IADLs: shopping for groceries and preparing hot meals.

Mental health (CESD score)

Wave	Variable	Label	Type
1	R1MINDTS_D	rlmindts_d:w1 r CESD trouble concentrating	Categ
1	R1DEPRES_D	rldepres_d:w1 r CESD felt depressed	Categ
1	R1FTIRED_D	rlftired_d: w1 r CESD felt tired	Categ
1	R1FEARL_D	rlfearl_d:w1 r CESD afraid	Categ
1	R1ENLIFE_D	rlenlife_d:w1 r CESD enjoyed life	Categ
1	R1FLONE_D	rlflone_d:w1 r CESD lonely	Categ
1	R1BOTHER_D	rlbother_d:w1 r CESD bothered by things	Categ
1	R1EFFORT_D	rleffort_d:w1 r CESD everything was an effort	Categ
1	R1FHOPE_D	rlfhope_d:w1 r CESD felt hopeful	Categ
1	R1WHAPPY_D	rlwhappy_d:w1 r CESD was happy	Categ
1	R1CESD10	rlcesd10:w1 r CESD score 10 item(0-30)	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MINDTS_D	3175	1.66	0.87	1.00	4.00
R1DEPRES_D	3167	1.92	0.96	1.00	4.00
R1FTIRED_D	3178	2.29	1.02	1.00	4.00
R1FEARL_D	3162	1.43	0.75	1.00	4.00
R1ENLIFE_D	3157	2.51	1.15	1.00	4.00
R1FLONE_D	3166	1.69	0.97	1.00	4.00
R1BOTHER_D	3154	1.74	0.92	1.00	4.00
R1EFFORT_D	3140	1.88	0.98	1.00	4.00
R1FHOPE_D	3146	2.44	1.13	1.00	4.00
R1WHAPPY_D	3166	2.61	1.09	1.00	4.00
R1CESD10	3073	9.94	5.44	0.00	30.00

Categorical Variable Codes

Value-----	R1MINDTS_D
.d:DK	17
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	22
1.Rarely or never (less than 1 day)	1750
2.Sometimes (1 or 2 days)	919

3.Often (3 or 4 days)	331
4.Most or all of the time (5-7 days)	175

Value-----	R1DEPRES_D
.d:DK	18
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	29
1.Rarely or never (less than 1 day)	1314
2.Sometimes (1 or 2 days)	1091
3.Often (3 or 4 days)	476
4.Most or all of the time (5-7 days)	286

Value-----	R1FTIRED_D
.d:DK	9
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	27
1.Rarely or never (less than 1 day)	835
2.Sometimes (1 or 2 days)	1078
3.Often (3 or 4 days)	770
4.Most or all of the time (5-7 days)	495

Value-----	R1FEARL_D
.d:DK	23
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	29
1.Rarely or never (less than 1 day)	2214
2.Sometimes (1 or 2 days)	620
3.Often (3 or 4 days)	247
4.Most or all of the time (5-7 days)	81

Value-----	R1ENLIFE_D
.d:DK	28
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	29
1.Rarely or never (less than 1 day)	829
2.Sometimes (1 or 2 days)	747
3.Often (3 or 4 days)	727
4.Most or all of the time (5-7 days)	854

Value-----	R1FLONE_D
.d:DK	17
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	31
1.Rarely or never (less than 1 day)	1864
2.Sometimes (1 or 2 days)	696
3.Often (3 or 4 days)	337
4.Most or all of the time (5-7 days)	269

Value-----	R1BOTHER_D
.d:DK	28
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	32
1.Rarely or never (less than 1 day)	1645
2.Sometimes (1 or 2 days)	905
3.Often (3 or 4 days)	397
4.Most or all of the time (5-7 days)	207

Value-----	R1EFFORT_D
.d:DK	40
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	34
1.Rarely or never (less than 1 day)	1443
2.Sometimes (1 or 2 days)	908
3.Often (3 or 4 days)	510

4. Most or all of the time (5-7 days)	279
Value-----	R1FHOPE_D
.d:DK	35
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	33
1. Rarely or never (less than 1 day)	846
2. Sometimes (1 or 2 days)	842
3. Often (3 or 4 days)	682
4. Most or all of the time (5-7 days)	776
Value-----	R1WHAPPY_D
.d:DK	14
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	34
1. Rarely or never (less than 1 day)	631
2. Sometimes (1 or 2 days)	851
3. Often (3 or 4 days)	793
4. Most or all of the time (5-7 days)	891

How Constructed

The following variables indicate the frequency with which a respondent experienced different feelings in the past week.

RwMINDTS_D indicates how often the respondent had trouble concentrating during the past week.

RwDEPRES_D indicates how often the respondent felt depressed during the past week.

RwFTRIED_D indicates how often the respondent felt tired or low in energy during the past week.

RwFEARL_D indicates how often the respondent was afraid of something during the past week.

RwENLIFE_D indicates how often the respondent felt generally satisfied during the past week.

RwFLONE_D indicates how often the respondent felt alone during the past week.

RwBOTHER_D indicates how often the respondent was bothered by things that do not usually bother him/her during the past week.

RwEFFORT_D indicates how often the respondent felt everything he/she did was an effort during the past week.

RwFHOPE_D indicates how often the respondent felt hopeful about the future during the past week.

RwWHAPPY_D indicates how often the respondent felt happy during the past week.

Each variable is coded as follows: 1. Rarely or never (less than 1 day), 2. Sometimes (1 or 2 days), 3. Often (3 or 4 days), and 4. Most or all of the time (5-7 days). Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

RwCESD10 is a summary of RwMINDTS_D, RwDEPRES_D, RwFTRIED_D, RwFEARL_D, RwENLIFE_D, RwFLONE_D, RwBOTHER_D, RwEFFORT_D, RwFHOPE_D, and RwWHAPPY_D. RwENLIFE_D, RwFHOPE_D, and RwWHAPPY_D are reverse coded for RwCESD10. RwCESD10 is the sum of these variables. The higher the score, the more negative the respondent felt in the past week.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

No differences known.

DAD Variables Used

Wave 1 GA:

GA402	trouble concentrating
GA403	felt depressed
GA404	feel tired
GA405	afraid of something
GA406	overall satisfied
GA407	feel alone
GA408	bothered by things
GA409	everything was an effort
GA410	hopeful about future
GA411	feel happy

Anxiety inventory (BAI)

Wave	Variable	Label	Type
1	R1WORST	rlworst:w1 r BAI worst happening	Categ
1	R1NERV	rlnerf:w1 r BAI nervous	Categ
1	R1TREMB	rltremb:w1 r BAI hands trembling	Categ
1	R1FDYING	rlfdying:w1 r BAI fear of dying	Categ
1	R1FAINT	rlfaint:w1 r BAI felt faint	Categ
1	R1ANX5	rlanx5:w1 r anxiety score 5 item(0-15)	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORST	3179	1.51	0.89	1.00	4.00
R1NERV	3175	1.58	0.91	1.00	4.00
R1TREMB	3179	1.67	0.98	1.00	4.00
R1FDYING	3171	1.34	0.77	1.00	4.00
R1FAINT	3175	1.49	0.87	1.00	4.00
R1ANX5	3160	2.57	3.16	0.00	15.00

Categorical Variable Codes

Value-----	R1WORST
.d:DK	9
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	26
1.Never	2265
2.Hardly ever	338
3.Some of the time	437
4.Most of the time	139

Value-----	R1NERV
.d:DK	12
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	27
1.Never	2121
2.Hardly ever	416
3.Some of the time	492
4.Most of the time	146

Value-----	R1TREMB
.d:DK	7
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	28
1.Never	2015
2.Hardly ever	422
3.Some of the time	533
4.Most of the time	209

Value-----	R1FDYING
.d:DK	15
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	28
1.Never	2567
2.Hardly ever	225
3.Some of the time	279
4.Most of the time	100
Value-----	R1FAINT
.d:DK	12
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	27
1.Never	2299
2.Hardly ever	340
3.Some of the time	408
4.Most of the time	128

How Constructed

The following variables indicate the frequency that respondents experienced various feelings during the past week. For each variable, a statement about a feeling is read to the respondents and then they are asked how often they felt that way during the past week.

RwWORST indicates how often the respondent feared the worst would happen in the past week. RwnERV indicates how often the respondent felt nervous in the past week. RwtREMB indicates how often the respondent felt his/her hands trembling. RwfDYING indicates how often the respondent had a fear of dying. RwfAINT indicates how often the respondent felt faint. RwnERV, RwtREMB, RwfDYING, and RwfAINT are coded as follows: 1. Never, 2. Hardly ever, 3. Some of the time, and 4. Most of the time. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

RwanX5 is a summary measure based on RwnERV, RwtREMB, RwfDYING, and RwfAINT. RwanX5 is the sum of these variables after their ranges were recoded from 1-4 to 0-3. The higher the score, the more anxious the respondent felt in the past week.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

These variables are not included in LASI.

DAD Variables Used

Wave 1 GA:	
GA422	fear of worst happening
GA423	nervous
GA424	hands trembling
GA425	fear of dying
GA426	felt faint

Mini Nutritional Assessment (MNA)
--

Wave	Variable	Label	Type
1	R1MNA_DFOOD	rlmna_dfood:w1 r MNA declined food intake(0-2)	Categ
1	R1MNA_WLOSS	rlmna_wloss:w1 r MNA weight loss(0-3)	Categ
1	R1MNA_MOB	rlmna_mob:w1 r MNA mobility(0-2)	Categ
1	R1MNA_STRESS	rlmna_stress:w1 r MNA stress(0-2)	Categ
1	R1MNA_PSYCHO	rlmna_psycho:w1 r MNA neuropsychological problem(0-2)	Categ
1	R1MNA_LIVE	rlmna_live:w1 r MNA lives independently (0-1)	Categ
1	R1MNA_DRUG	rlmna_drug:w1 r MNA takes 3+ prescription drugs(0-1)	Categ
1	R1MNA_SORES	rlmna_sores:w1 r MNA has pressure sores or skin ulcers(0-1)	Categ
1	R1MNA_MEALS	rlmna_meals:w1 r MNA number of meals(0-2)	Categ
1	R1MNA_PROTN	rlmna_protn:w1 r MNA protein intake(0-1)	Categ
1	R1MNA_PROTN3	rlmna_protn3:w1 r MNA protein intake(1-3)	Categ
1	R1MNA_VEG	rlmna_veg:w1 r MNA vegetables intake(0-1)	Categ
1	R1MNA_FLUID	rlmna_fluid:w1 r MNA fluid intake(0-1)	Categ
1	R1MNA_FEED	rlmna_feed:w1 r MNA mode of feeding(0-2)	Categ
1	R1MNA_NSTAT	rlmna_nstat:w1 r MNA nutritional status(0-2)	Categ
1	R1MNA_HSTAT	rlmna_hstat:w1 r MNA health status(0-2)	Cont
1	R1MNA_MAC	rlmna_mac:w1 r MNA mid-arm circumference(0-1)	Cont
1	R1MNA_CC	rlmna_cc:w1 r MNA calf circumference(0-1)	Cont
1	R1MNA_SCREEN	rlmna_screen:w1 r MNA total score of screening(0-14)	Cont
1	R1MNA_ASSESS	rlmna_assess:w1 r MNA assessment(0-16)	Cont
1	R1MNA_SCALE	rlmna_scale:w1 r MNA assessment scale(0-30)	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MNA_DFOOD	3184	1.34	0.70	0.00	2.00
R1MNA_WLOSS	3173	1.64	1.01	0.00	3.00
R1MNA_MOB	3198	1.85	0.44	0.00	2.00
R1MNA_STRESS	3184	1.71	0.71	0.00	2.00
R1MNA_PSYCHO	3164	1.89	0.39	0.00	2.00
R1MNA_LIVE	3198	0.70	0.46	0.00	1.00

R1MNA_DRUG	1578	0.71	0.45	0.00	1.00
R1MNA_SORES	3192	0.90	0.30	0.00	1.00
R1MNA_MEALS	3199	1.36	0.56	0.00	2.00
R1MNA_PROTN	3224	0.27	0.32	0.00	1.00
R1MNA_PROTN3	3190	1.34	0.89	0.00	3.00
R1MNA_VEG	3193	0.75	0.43	0.00	1.00
R1MNA_FLUID	3191	0.83	0.30	0.00	1.00
R1MNA_FEED	3198	1.75	0.63	0.00	2.00
R1MNA_NSTAT	3168	2.10	1.13	0.00	3.00
R1MNA_HSTAT	3167	0.83	0.65	0.00	2.00
R1MNA_MAC	3191	0.84	0.33	0.00	1.00
R1MNA_CC	3195	0.18	0.24	0.00	0.50
R1MNA_SCREEN	2866	9.63	2.09	3.00	14.00
R1MNA_ASSESS	1549	12.04	2.32	1.50	16.50
R1MNA_SCALE	1451	21.93	3.64	9.00	30.00

Categorical Variable Codes

Value-----	R1MNA_DFOOD
.d:DK	11
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	19
0	432
1	1233
2	1519

Value-----	R1MNA_WLOSS
.d:DK	21
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	20
0	296
1	1512
2	419
3	946

Value-----	R1MNA_MOB
.d:DK	2
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	14
0	113
1	238
2	2847

Value-----	R1MNA_STRESS
.d:DK	12
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	18

0	466
2	2718
Value-----	R1MNA_PSYCHO
.d:DK	32
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	18
0	79
1	192
2	2893
Value-----	R1MNA_LIVE
.d:DK	5
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	11
0	972
1	2226
Value-----	R1MNA_DRUG
.d:DK	2
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	6
0	456
1	1122
Value-----	R1MNA_SORES
.d:DK	8
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	14
0	313
1	2879
Value-----	R1MNA_MEALS
.d:DK	4
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	11
0	135
1	1790
2	1274
Value-----	R1MNA_PROTN
0	1714
0.5	1268
1	242
Value-----	R1MNA_PROTN3
.d:DK	6
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	18
0	657
1	1024
2	1267
3	242
Value-----	R1MNA_VEG
.d:DK	3
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	18
0	807
1	2386
Value-----	R1MNA_FLUID
.d:DK	7
.h:Not interviewed	9

.m:Missing	1
.r:Refuse	16
0	207
0.5	675
1	2309
Value-----	R1MNA_FEED
.d:DK	4
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	12
0	340
1	126
2	2732
Value-----	R1MNA_NSTAT
.d:DK	26
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	20
0	570
1	161
2	806
3	1631

How Constructed

The following variables are part of the Mini Nutritional Assessment. These variables pertain to the respondent's appetite and eating habits.

RwMNA_DFOOD indicates the degree to which the respondent's food intake declined over the past 3 months due to a loss of appetite, digestive problems, or chewing or swallowing difficulties. RwMNA_DFOOD is coded as follows: 0. Severe decrease in food intake, 1. Moderate decrease in food intake, and 2. No decrease in food intake.

RwMNA_WLOSS indicates the degree to which the respondent experienced weight loss during the last 3 months. RwMNA_WLOSS is coded as follows: 0. Weight loss greater than 3 kg (6.6lbs), 1. Does not know, 2. Weight loss between 1 and 3 kg (2.2 and 6.6 lbs), and 3. No weight loss.

RwMNA_MOB indicates a self-reported value of mobility given 3 answer options. RwMNA_MOB is coded as follows: 0. Bed or chair bound, 1. Able to get out of bed/chair but does not go out, and 2. Goes out.

RwMNA_STRESS indicates whether the respondent reports suffering from psychological stress or acute disease in the past 3 months. A 0 is coded if the respondent reports he/she did suffer psychological stress or acute disease in the past 3 months. A 1 is coded if the respondent reports he/she have not experienced this in the past 3 months.

RwMNA_PSYCHO indicates whether the respondent suffered neuropsychological problems. RwMNA_PSYCHO is coded as follows: 0. Severe neuropsychological problems, 1. Mild neuropsychological problems, and 2. No neuropsychological problems.

RwMNA_LIVE indicates whether the respondent lives independently, that is not in a nursing home or a hospital. A 0 is coded if the respondent does not live independently. A 1 is coded if the respondent does live independently.

RwMNA_DRUG indicates whether the respondent takes more than 3 prescription drugs per day. A 0 is coded if the respondent does take more than 3 prescription drugs per day. A 1 is coded if the respondent does not take more than 3 prescription drugs per day.

RwMNA_SORES indicates whether the respondent has pressure sores or skin ulcers. A 0 is coded if the respondent reports they do have pressure sores or skin ulcers. A 1 is coded if the respondent reports they do not have pressure sores or skin ulcers.

RwMNA_MEALS indicates the number of full meals the respondent eats daily. RwMNA_MEALS is coded as follows: 0. 1 meal, 1. 2 meals, and 2. 3 meals.

RwMNA_PROTN and RwMNA_PROTN3 count the number of protein sources that the respondent incorporates into his/her daily diet and are based on three survey questions. The respondent is asked (1) whether he/she eat at least one serving of dairy products (e.g. milk, cheese, and yogurt) per day, (2) whether he/she eat two or more servings of legumes or eggs per week, and (3) whether he/she eat meat, fish or poultry every day. The number of affirmative answers from these three questions are added together for the total protein intake score. RwMNA_PROTN is coded as follows: 0. 0-1 sources of protein; 0.5. 2 sources of protein; and 1. 3 sources of protein. RwMNA_PROTN3 is coded as follows: 0. 0 sources of protein; 1. 1 source of protein; 2. 2 sources of protein; and 3. 3 sources of protein.

RwMNA_VEG indicates whether the respondent consumes two or more servings of fruit or vegetables per day. A 0 is coded if the respondent does not consume two or more servings of fruit or vegetables per day. A 1 is coded if the respondent does consume two or more servings of fruit or vegetables per day.

RwMNA_FLUID indicates the amount of fluid (e.g. water, juice, coffee, tea, and milk) the respondent drinks per day. RwMNA_FLUID is coded as follows: 0. Less than 3 cups; 0.5. 3 to 5 cups; and 1. More than 5 cups.

RwMNA_FEED indicates the degree to which the respondent can eat without assistance. RwMNA_FEED is coded as follows: 0. Unable to eat without assistance; 1. Self-fed with some difficulty; and 2. Self-fed without any problems.

RwMNA_NSTAT indicates the respondent's perceived nutritional status, given three options. RwMNA_NSTAT is coded as follows: 0. View self as being malnourished; 1. Is uncertain of nutritional state; and 2. Views self as having no nutritional problem.

RwMNA_HSTAT indicates how the respondent considers his/her health status in comparison with other people of the same age. RwMNA_HSTATUS is coded as follows: 0. Not as good; 0.5. Does not know; 1. As good; and 2. Better.

RwMNA_MAC indicates a score for the respondent's mid arm circumference measurement. RwMNA_MAC is derived using the Harmonized DAD variable RwMIDARM. RwMNA_MAC is coded based on the following ranges of RwMIDARM: 0. 0-20.99; 0.5. 21-22; and 1. 22. 01-50.

RwMNA_CC indicates a score for the respondent's calf circumference measurement. RwMNA_CC is derived using the Harmonized DAD variable RwCALF. RwMNA_CC is coded based on the following ranges of RwCALF: 0. 0-30.99 and 0.5. 31-80.

RwMNA_SCREEN is a summary measure for RwMNA_DFOOD, RwMNA_WLOSS, RwMNA_MOB, RwMNA_STRESS, RwMNA_PSYCHO, and RwBMICAT. RwMNA_SCREEN is the sum of each component variable. RwMNA_SCREEN ranges from 0-14. Please refer to the "Height, Weight, and Other Measurements" section for further information on how RwBMICAT was constructed.

RwMNA_ASSESS is a summary measure for RwMNA_LIVE, RwMNA_DRUG, RwMNA_SOES, RwMNA_MEALS, RwMNA_PROTN, RwMNA_VEG, RwMNA_FLUID, RwMNA_FEED, RwMNA_NSTAT, RwMNA_HSTAT, RwMNA_MAC, and RwMNA_CC, ranging from 0-16. RwMNA_ASSESS is the sum of these variables.

RwMNA_SCALE is a summary measure for all the variables comprising RwMNA_SCREEN and RwMNA_ASSESS. Specifically, this includes RwMNA_DFOOD, RwMNA_WLOSS, RwMNA_MOB, RwMNA_STRESS, RwMNA_PSYCHO, RwBMICAT, RwMNA_LIVE, RwMNA_DRUG, RwMNA_SOES, RwMNA_MEALS, RwMNA_PROTN, RwMNA_VEG, RwMNA_FLUID, RwMNA_FEED, RwMNA_NSTAT, RwMNA_HSTAT, RwMNA_MAC, and RwMNA_CC. RwMNA_SCALE ranges from 0-30.

Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.i) is assigned for invalid readings. Special missing (.h) is assigned if the respondent was not interviewed.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

These variables are not included in LASI.

DAD Variables Used

Wave 1 GA:

GA602	food intake declined
GA603	experienced weight loss
GA604	mobility
GA605	psychological stress
GA606	neuropsychological problems
GA607	live independently
GA608	3 prescription drugs
GA609	sores/ulcers
GA610	full meals daily
GA611	at least one serving of dairy
GA612	2 or more legumes/eggs per week
GA613	eat meat/fish/poultry
GA614	two or more servings of fruit/veggies
GA615	fluid per day
GA616	mode of feeding
GA617	nutritional status
GA618	health status

Spice Questions

Wave	Variable	Label	Type
1	R1TURMERF	rlturmerf:w1 r use turmeric daily	Categ
1	R1TURMERQ	rlturmerq:w1 r use turmeric at least half teaspoon	Categ
1	R1SPICE1	rlspice1:w1 r spice-Red Chillies	Categ
1	R1SPICE2	rlspice2:w1 r spice-Cumin Seeds	Categ
1	R1SPICE3	rlspice3:w1 r spice-Coriander Seeds	Categ
1	R1SPICE4	rlspice4:w1 r spice-Mustard Seeds(Rai)	Categ
1	R1SPICE5	rlspice5:w1 r spice-Fenugreek Seeds(Mehthi)	Categ
1	R1SPICE6	rlspice6:w1 r spice-Black Pepper(Kali mirch)	Categ
1	R1SPICE7	rlspice7:w1 r spice-Cloves(Lavang)	Categ
1	R1SPICE8	rlspice8:w1 r spice-Cardamom(Ilaichi)	Categ
1	R1SPICE9	rlspice9:w1 r spice-Cinnamon(Dalchini)	Categ
1	R1SPICE10	rlspice10:w1 r spice-Caraway Seeds(Shahzeera)	Categ
1	R1SPICE11	rlspice11:w1 r spice-Carom seeds(Ajwain)	Categ
1	R1SPICE12	rlspice12:w1 r spice-Nutmeg(Jaiphal)	Categ
1	R1SPICE13	rlspice13:w1 r spice-mace(Japatri)	Categ
1	R1SPICE14	rlspice14:w1 r spice-Fennel(Saunf)	Categ
1	R1SPICE15	rlspice15:w1 r spice-Asafoetida(Hing)	Categ
1	R1SPICE16	rlspice16:w1 r spice-Star Anise(Anasphal)	Categ
1	R1SPICE17	rlspice17:w1 r spice-black cardamom	Categ
1	R1SPICE18	rlspice18:w1 r spice-bay leaf	Categ
1	R1SPICE19	rlspice19:w1 r spice-other	Categ
1	R1SPICE	rlspice:w1 r # of spices intake (0-18)	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1TURMERF	3175	0.97	0.16	0.00	1.00
R1TURMERQ	3005	0.71	0.45	0.00	1.00
R1SPICE1	1569	0.83	0.38	0.00	1.00
R1SPICE2	1569	0.70	0.46	0.00	1.00
R1SPICE3	1569	0.80	0.40	0.00	1.00

R1SPICE4	1569	0.39	0.49	0.00	1.00
R1SPICE5	1569	0.39	0.49	0.00	1.00
R1SPICE6	1569	0.37	0.48	0.00	1.00
R1SPICE7	1569	0.15	0.36	0.00	1.00
R1SPICE8	1569	0.09	0.29	0.00	1.00
R1SPICE9	1569	0.07	0.26	0.00	1.00
R1SPICE10	1569	0.01	0.11	0.00	1.00
R1SPICE11	1569	0.02	0.14	0.00	1.00
R1SPICE12	1569	0.01	0.10	0.00	1.00
R1SPICE13	1569	0.01	0.09	0.00	1.00
R1SPICE14	1569	0.01	0.12	0.00	1.00
R1SPICE15	1569	0.09	0.28	0.00	1.00
R1SPICE16	1569	0.01	0.08	0.00	1.00
R1SPICE17	1569	0.02	0.12	0.00	1.00
R1SPICE18	1569	0.02	0.13	0.00	1.00
R1SPICE19	1569	0.16	0.36	0.00	1.00
R1SPICE	1489	4.36	2.32	0.00	16.00

Categorical Variable Codes

Value-----	R1TURMERF
.d:DK	21
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	18
0.No	86
1.Yes	3089

Value-----	R1TURMERQ
.d:DK	163
.h:Not interviewed	9
.m:Missing	46
.r:Refuse	1
0.No	875
1.Yes	2130

Value-----	R1SPICE1
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	268
1.Yes	1301

Value-----	R1SPICE2
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	476

1.Yes	1093
Value-----	R1SPICE3
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	320
1.Yes	1249
Value-----	R1SPICE4
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	957
1.Yes	612
Value-----	R1SPICE5
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	963
1.Yes	606
Value-----	R1SPICE6
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	988
1.Yes	581
Value-----	R1SPICE7
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1328
1.Yes	241
Value-----	R1SPICE8
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1426
1.Yes	143
Value-----	R1SPICE9
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1455
1.Yes	114
Value-----	R1SPICE10
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1548
1.Yes	21
Value-----	R1SPICE11
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1538
1.Yes	31
Value-----	R1SPICE12
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1552
1.Yes	17

Value-----	R1SPICE13
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1556
1.Yes	13
Value-----	R1SPICE14
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1547
1.Yes	22
Value-----	R1SPICE15
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1430
1.Yes	139
Value-----	R1SPICE16
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1560
1.Yes	9
Value-----	R1SPICE17
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1545
1.Yes	24
Value-----	R1SPICE18
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1543
1.Yes	26
Value-----	R1SPICE19
.h:Not interviewed	9
.m:Missing	1629
.r:Refuse	17
0.No	1325
1.Yes	244

How Constructed

RwTURMERF indicates whether the respondent uses turmeric daily. A 0 is coded if the respondent reports he/she doesn't use turmeric daily. A 1 is coded if the respondent reports he/she uses turmeric daily.

RwTURMERQ indicates whether the respondent uses at least half a teaspoon of turmeric. A 0 is coded if the respondent uses less than half a teaspoon. A 1 is coded if the respondent uses half a teaspoon or more.

The following variables indicate whether the respondent uses a specific spice:

RwSPICE1 indicates whether the respondent uses Red Chilies.

RwSPICE2 indicates whether the respondent uses Cumin Seeds.

RwSPICE3 indicates whether the respondent uses Coriander Seeds.

RwSPICE4 indicates whether the respondent uses Mustard Seeds (Rai).

RwSPICE5 indicates whether the respondent uses Fenugreek Seeds (Mehthi).

RwSPICE6 indicates whether the respondent uses Black Pepper(Kali mirch).

RwSPICE7 indicates whether the respondent uses Cloves (Lavang).

RwSPICE8 indicates whether the respondent uses Cardamom (Ilaichi).

RwSPICE9 indicates whether the respondent uses Cinnamon (Dalchini).

RwSPICE10 indicates whether the respondent uses Caraway Seeds (Shahzeera).

RwSPICE11 indicates whether the respondent uses Carom Seeds (Ajwain).

RwSPICE12 indicates whether the respondent uses Nutmeg (Jaiphal).

RwSPICE13 indicates whether the respondent uses Mace (Japatri).

RwSPICE14 indicates whether the respondent uses Fennel (Saunf).

RwSPICE15 indicates whether the respondent uses Asafoetida (Hing).

RwSPICE16 indicates whether the respondent uses Star Anise (Anasphal).

RwSPICE17 indicates whether the respondent uses Black Cardamom.

RwSPICE18 indicates whether the respondent uses Bay Leaf.

RwSPICE19 indicates whether the respondent uses Other spices not listed.

RwSPICE1-RwSPICE19 are coded as 1 if the respondent reports he/she uses any quantity of the spice. This includes those who report using a quarter of a teaspoon to 3+ teaspoons each time. If the spice is not used, a 0 is coded.

RwSPICE indicates the number of spices that the respondent uses. RwSPICE is constructed by taking the sum of RwSPICE1-RwSPICE19. RwSPICE ranges from 0-18.

Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

These variables are not included in LASI.

DAD Variables Used

Wave 1 GA:

GA619A	use of turmeric
GA619B	approximate quantity of it used each time
GA620_0_S1	other spice used 1 red chillies (lal mirch)
GA620_0_S10	other spice used 10 caraway seeds (shahzeera)
GA620_0_S11	other spice used 11 carom seeds (ajwain)
GA620_0_S12	other spice used 12 nutmeg (jaiphal)
GA620_0_S13	other spice used 13 mace (japatri)
GA620_0_S14	other spice used 14 fennel (saunf)

GA620_0_S15	other spice used 15 asafoetida (hing)
GA620_0_S16	other spice used 16 star anise (anasphal)
GA620_0_S17	other spice used 17 black cardamom (badiilaic
GA620_0_S18	other spice used 18 bay leaf (tejpatta)
GA620_0_S19	other spice used 19 other ga620_other
GA620_0_S2	other spice used 2 cumin seeds (zeera)
GA620_0_S3	other spice used 3 coriander seeds (dhania)
GA620_0_S4	other spice used 4 mustard seeds (rai)
GA620_0_S5	other spice used 5 fenugreek seeds (mehthi)
GA620_0_S6	other spice used 6 black pepper (kali mirch)
GA620_0_S7	other spice used 7 cloves (lavang)
GA620_0_S8	other spice used 8 cardamom (ilaichi)
GA620_0_S9	other spice used 9 cinnamon (dalchini)
GA621_10_	frequency-other spice used 10 caraway seeds (
GA621_11_	frequency-other spice used 11 carom seeds (aj
GA621_12_	frequency-other spice used 12 nutmeg (jaiphal
GA621_13_	frequency-other spice used 13 mace (japatri)
GA621_14_	frequency-other spice used 14 fennel (saunf)
GA621_15_	frequency-other spice used 15 asafoetida (hin
GA621_16_	frequency-other spice used 16 star anise (ana
GA621_17_	frequency-other spice used 17 black cardamom
GA621_18_	frequency-other spice used 18 bay leaf (tejpa
GA621_19_	frequency-other spice used 19 other ga620_oth
GA621_1_	frequency-other spice used 1 red chillies (la
GA621_2_	frequency-other spice used 2 cumin seeds (zee
GA621_3_	frequency-other spice used 3 coriander seeds
GA621_4_	frequency-other spice used 4 mustard seeds (r
GA621_5_	frequency-other spice used 5 fenugreek seeds
GA621_6_	frequency-other spice used 6 black pepper (ka
GA621_7_	frequency-other spice used 7 cloves (lavang)
GA621_8_	frequency-other spice used 8 cardamom (ilaich
GA621_9_	frequency-other spice used 9 cinnamon (dalchi

Hearing Tests

Wave	Variable	Label	Type
1	R1HEAR_R	rlhear_r:w1 r hearing test-right ear(0-6)	Cont
1	R1HEAR_L	rlhear_l:w1 r hearing test-left ear(0-6)	Cont
1	R1HEAR_NA	rlhear_na:w1 r hearing test-unable to do	Categ
1	R1HEAR_AID	rlhear_aid:w1 r hearing test-wear hearing aids	Categ
1	R1HEAR_P	rlhear_p:w1 r hearing test-problems occur	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HEAR_R	3085	2.83	1.27	0.00	6.00
R1HEAR_L	3085	2.95	1.31	0.00	6.00
R1HEAR_NA	3189	0.03	0.16	0.00	1.00
R1HEAR_AID	3101	0.01	0.08	0.00	1.00
R1HEAR_P	3101	0.17	0.38	0.00	1.00

Categorical Variable Codes

Value	R1HEAR_NA
.d:DK	5
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	20
0.No	3103
1.Yes	86

Value	R1HEAR_AID
.d:DK	5
.h:Not interviewed	9
.m:Missing	1
.r:Refuse	22
.s:Skipped	86
0.No	3079
1.Yes	22

Value	R1HEAR_P
.d:DK	5
.h:Not interviewed	9
.r:Refuse	23
.s:Skipped	86
0.No	2576
1.Yes	525

How Constructed

The following variables pertain to the Hearing Test. For the Hearing Test, a HearCheck device is placed over each of the respondent's ears. The device plays a series of tones. The respondent is asked to raise his/her finger each time he/she hears a sound. The test begins on the words "Ready, begin". The interviewer is instructed to remove any obstructions from the respondent's ears, such as long hair, glasses, and jewelry for this test.

RwHEAR_R and RwHEAR_L indicate the respondent's Hearing Test summary scores based on two tests for the right ear and left ear, respectively. For each tone the respondent correctly hears, 1 is added to the respective ear's summary score (left or right). Each test has 3 tones per ear. RwHEAR_R and RwHEAR_L range from 0-6. Special missing (.s) is assigned if the respondent did not do the Hearing Test because he/she refused, had a cochlear implant, or had an ear infection in either ear. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

RwHEAR_NA indicates whether the respondent was unable to do the Hearing Test. A 0 is coded if the respondent was able to do the Hearing Test. A 1 is coded if the respondent was not able to do the Hearing Test because he/she refused, had a cochlear implant, or had an ear infection in either ear. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed.

RwHEAR_AID indicates whether the respondent wears hearing aids. A 0 is coded if the respondent does not wear hearing aids. A 1 is coded if the respondent does wear hearing aids. Don't know, refused, or other missing responses are assigned special missing codes (.d), (.r), and (.m), respectively. Special missing (.h) is assigned if the respondent was not interviewed. Special missing (.s) is assigned if the respondent did not do the Hearing Test because he/she refused, had a cochlear implant, or had an ear infection in either ear.

RwHEAR_P indicates whether there were any interruptions during the Hearing Test. A 0 is coded if there were no interruptions. A 1 is coded if there was background noise that interfered with the hearing test, there were problems with the equipment or supplies, had to restart the test, the respondent removed obstructions (glasses, earrings, etc.), the respondent removed hearing aid, the respondent raised their finger more than three times for a single test, or other not already specified. Don't know, refused responses are assigned special missing codes (.d) and (.r), respectively. Special missing (.h) is assigned if the respondent was not interviewed. Special missing (.s) is assigned if the respondent did not do the Hearing Test because he/she refused, had a cochlear implant, or had an ear infection in either ear.

Cross Wave Differences in DAD

No differences known.

Differences with Harmonized LASI

These variables are not included in LASI.

DAD Variables Used

Wave 1 GA:	
GA901	hearing test introduction
GA902	wearing hearing aids
GA904_1	left ear test 1
GA904_2	left ear test 2
GA905_1	right ear test
GA905_2	right ear test 2
GA906	occurred during the hearing test

References

- Blessed, G., B. E. Tomlinson, and M. Roth. 1968. The Association between Quantitative Measures of Dementia and of Senile Change in the Cerebral Grey Matter of Elderly Subjects. *The British Journal of Psychiatry* 114(512): 797–811. <https://doi.org/10.1192/bjp.114.512.797>.
- Brandt, J., M. Spencer, and M. Folstein. 1988. The Telephone Interview for Cognitive Status. *Neuropsychiatry, Neuropsychology, & Behavioral Neurology* 1(2): 111–17.
- CERAD. 1987. Consortium to Establish a Registry for Alzheimer's Disease: Clinical Assessment Packet for Clinical/Neuropsychological Assessment for Alzheimer's Disease. <https://sites.duke.edu/centerforaging/cerad/>.
- De Luca, G., Celidoni, M., & Trevisan, E. (2015). Item nonresponse and imputation strategies in SHARE Wave 5. In F. Malter & A. Börsch-Supan (Eds.), *SHARE Wave 5: Innovations & Methodology* (pp. 85-100). Munich: MEA.
- De Renzi, E., and L. A. Vignolo. 1962. The Token Test: A Sensitive Test to Detect Receptive Disturbances in Aphasics. *Brain* 85(4): 665–78. <https://doi.org/10.1093/brain/85.4.665>.
- Fisher, G. G., Hassan, H., Faul, J. D., Rodgers, W. L., & Weir, D. R. (2017). *Health and Retirement Study: Imputation of Cognitive Functioning Measures: 1992 – 2014 (Final Release Version): Data Description*. Ann Arbor, MI: University of Michigan, Survey Research Center.
- Folstein, M. F., S. E. Folstein, and P. R. McHugh. 1975. "Mini-Mental State": A Practical Method for Grading the Cognitive State of Patients for the Clinician. *Journal of Psychiatric Research* 12(3): 189–98. [https://doi.org/10.1016/0022-3956\(75\)90026-6](https://doi.org/10.1016/0022-3956(75)90026-6).
- Ganguli, M., G. Ratcliff, V. Chandra, S. Sharma, J. Gilby, R. Pandav, S. Belle, et al. 1995. A Hindi Version of the MMSE: The Development of a Cognitive Screening Instrument for a Largely Illiterate Rural Elderly Population in India. *International Journal of Geriatric Psychiatry* 10(5): 367–77. <https://doi.org/10.1002/gps.930100505>.
- Gomez, P., R. Ratcliff, and M. Perea. 2007. A Model of the Go/No-Go Task. *Journal of Experimental Psychology: General* 136(3): 389–413. <https://doi.org/10.1037/0096-3445.136.3.389>.

- Hall, K. S., H. C. Hendrie, and H. M. Brittain. 1993. The Development of a Dementia Screening Interview in 2 Distinct Languages. *International Journal of Methods in Psychiatric Research* 3(1): 1–28.
- Jorm, A. F., and P. A. Jacomb. 1989. The Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE): Socio-Demographic Correlates, Reliability, Validity and Some Norms. *Psychological Medicine* 19(4): 1015–22. <https://doi.org/10.1017/S0033291700005742>.
- Lee, J., Meijer, E., & Phillips, D. (2015). *The effect of using different imputation methods for economic variables in aging surveys*. Working Paper No. 2015-019. Los Angeles, CA: University of Southern California, Center for Economic and Social Research.
- Lee, J., J. Banerjee, P.Y. Khobragade, M. Angrisani, A.B. Dey. 2019. LASI-DAD study: a protocol for a prospective cohort study of late-life cognition and dementia in India, *British Medical Journal Open*. doi:10.1136/bmjopen-2019-030300.
- Little, R. J. A., & Rubin, D. B. (2002). *Statistical analysis with missing data* (2nd ed.). New York, NY: Wiley.
- Lowery, N., D. Ragland, R. C. Gur, R. E. Gur, and P. J. Moberg. 2004. Normative Data for the Symbol Cancellation Test in Young Healthy Adults. *Applied Neuropsychology* 11(4): 216–19. https://doi.org/10.1207/s15324826an1104_8.
- Mattis, S. 1988. *Dementia Rating Scale. Professional Manual*. Florida: Psychological Assessment Resources.
- Morris JC. The clinical dementia rating (CDR): current version and scoring rules. *Neurology*. 1993 Nov;43(11):2412–4.
- Morris, J. C., A. Heyman, R. C. Mohs, J. P. Hughes, G. van Belle, G. Fillenbaum, E. D. Mellits, and C. Clark. 1989. The Consortium to Establish a Registry for Alzheimer’s Disease (CERAD). Part I. Clinical and Neuropsychological Assessment of Alzheimer’s Disease. *Neurology* 39(9): 1159–65.
- Prince, M., C. P. Ferri, D. Acosta, E. Albanese, R. Arizaga, M. Dewey, S. I. Gavriloa, et al. 2007. The Protocols for the 10/66 Dementia Research Group Population-Based Research Programme. *BMC Public Health* 7(1): 165. <https://doi.org/10.1186/1471-2458-7-165>.
- Raghunathan, T. E., Lepkowski, J. M., van Hoewyk, J., & Solenberger, P. (2001). A multivariate technique for multiply imputing missing values using a sequence of regression models. *Survey Methodology*, 27, 85–95.

- Raven, J. 2000. The Raven's Progressive Matrices: Change and Stability over Culture and Time. *Cognitive Psychology* 41(1): 1–48. <https://doi.org/10.1006/cogp.1999.0735>.
- Rosen, W. G., R. C. Mohs, and K. L. Davis. 1984. A New Rating Scale for Alzheimer's Disease. *The American Journal of Psychiatry* 141(11): 1356–64. <https://doi.org/10.1176/ajp.141.11.1356>.
- Tripathi, R., J. K. Kumar, S. Bharath, P. Marimuthu, and M. Varghese. 2013. Clinical Validity of NIMHANS Neuropsychological Battery for Elderly: A Preliminary Report. *Indian Journal of Psychiatry* 55(3): 279–82. <https://doi.org/10.4103/0019-5545.117149>.
- Van Buuren, S., Brand, J. P. L., Groothuis-Oudshoorn, C. G. M., & Rubin, D. B. (2006). Fully conditional specification in multivariate imputation. *Journal of Statistical Computation and Simulation*, 76, 1049–1064.
- Wechsler, D. 1997. *Wechsler Adult Intelligence Scale*. 3rd Ed. San Antonio, Texas: The Psychological Corporation.
- Wechsler, D. 2009. *Wechsler Memory Scales—Fourth Edition (WMS-IV): Technical and Interpretive Manual*. San Antonio, Texas: Pearson Clinical Assessment.
<https://www.pearsonassessments.com/store/usassessments/en/Store/Professional-Assessments/Cognition-%26-Neuro/Wechsler-Memory-Scale-%7C-Fourth-Edition/p/100000281.html>.
- Woodcock, R.W., K.S. McGrew, and N. Mather. 2001. *The Woodcock–Johnson III (WJIII), Tests of Achievement*. Itasca, IL: Riverside Publishing Co.