USCDornsife
Center for Economic
and Social Research
Program on Global
Aging, Health, and Policy

An Introduction to
the Gateway to Global Aging Data

"Data in Europe: Ageing" - Webinar

June 14th, 2017

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Health and Retirement Studies around the World

- The Health and Retirement Study (HRS)

- The Mexican Health and Aging Study (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 Indonesian Family Life Survey (IFLS)

Health and Retirement Studies around the World

- The Japanese Study of Aging and Retirement (JSTAR)
- The Study on global AGEing and adult health (SAGE)
- The Irish Longitudinal Study on Aging (TILDA)
- The Costa Rican Longevity and Healthy Aging Study (CRELES)
- The China Health and Retirement Study (CHARLS)
- The Longitudinal Aging Study in India (LASI)

HRS Surveys: Key Innovations

Multi-disciplinary subject matter

- Demographics, health, economics, etc.

Enhancing quality of economic data

- Nonresponse bias
- Unfolding bracket questions
- Imputation

Integrating biomarkers into social surveys

- Anthropometry, blood pressure, blood specimen

HRS Surveys: Core Content Areas

Demographic

Education, marital status, age, resident, birth year, birth month

Health

Cognition, disease, depression, injury, physical functioning, physical measures, health behaviors

Health Services

Insurance, utilization, expenditure, out-of-pocket spending

Work & Employment

Employment status/history, labor force, earnings, disability, retirement, type of work, pension

Economic Status

Income, wealth, and consumption; earnings, asset income, government transfers, housing, non-financial assets, pension

Family Structure & Social Network

Parents' information, household structure, family exchange, family support, social participation

What's available on the Gateway

- Library that includes all the survey questionnaires

- Flow-charts illustrate questionnaire skip patterns

- Search engine to locate specific survey item

- Statistics shown in the interactive graphs and tables

- Documentation of cross-study comparability

- Publications search based on HRS-type surveys

- Harmonized data

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GATEWAY TO
**GLOBAL
AGING
DATA**

SURVEY   DOCUMENTATION   CONCORDANCE   GRAPH   PUBLICATIONS   DOWNLOAD   HELP

WHAT'S NEW

- Register for an upcoming webinar
- Harmonized ELSA Ver E now available
- Harmonized SHARE Ver C.3 now available
- Harmonized CHARLS Ver B.4 now available
- New Publication

VIDEO

March 15, 2017 Global Aging D...

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Gateway to Global Aging Data
Advanced Webinar

Welcome to The Gateway to Global Aging Data

Survey Questionnaires

Gateway provides detailed information about all the parts of the survey

- The location of all survey items inside the interview
- Survey questions including question text, interviewer prompts, and answer types and choices
- How the question was asked and to whom
- Links to microdata variables and how the values are formatted
- Assigned research topics, keywords, and domains
- Suggested similar survey items

	HRS	MHAS	ELSA	SHARE	CRELES	KLoSA	JSTAR	TILDA	CHARLS	LASI
	United States	Mexico	England	20+ European Countries and Israel	Costa Rica	Korea	Japan	Ireland	China	India
1992-93	HRS W1 AHEAD 1993 W1									
1994-95	HRS W2 AHEAD 1995 W2									
1996-97	HRS W3									
1998-99	HRS W4									
2000-01	HRS W5	MHAS W1								
2002-03	HRS W6	MHAS W2	ELSA W1							
2004-05	HRS W7		ELSA W2	SHARE W1	CRELES W1					
2006-07	HRS W8		ELSA W3	SHARE W2	CRELES W2	KLoSA W1	JSTAR W1			
2008-09	HRS W9		ELSA W4		CRELES W3	KLoSA W2	JSTAR W2			
2010-11	HRS W10		ELSA W5	SHARE W4	CRELES W4	KLoSA W3	JSTAR W3	TILDA W1	CHARLS W1	
2012-13	HRS W11	MHAS W3	ELSA W6	SHARE W5	CRELES W5	KLoSA W4	JSTAR W4	TILDA W2	CHARLS W2	
2014-15	HRS W12		ELSA W7							
All Surveys	RAND HRS	Harmonized MHAS	Harmonized ELSA	Harmonized SHARE	Harmonized CRELES	Harmonized KLoSA	Harmonized JSTAR	Harmonized TILDA	Harmonized CHARLS	Harmonized LASI

Flow Charts

BH. Behavioral Risks module of SHARE 2006

Module items (24) | Flowchart | Codebook

Up to survey overview

zoom out | print

Start of BH. Behavioral Risks

Ever smoked daily
THE FOLLOWING QUESTIONS ARE ABOUT SMOKING AND DRINKING ALCOHOLIC BEVERAGES. HAVE YOU EVER SMOKED CIGARETTES, CIGARS, CIGARILLOS OR A PIPE DAILY FOR A PERIOD OF AT LEAST ONE YEAR?

If Ever smoked daily = 1. Yes

Smoke at the present time
DO YOU SMOKE AT THE PRESENT TIME?

Concordance

Users can identify comparable survey measures between all Health and Retirement Surveys using

- Keyword search
- Top-level research domains for all HRS sister studies
- Finer research topics for Harmonized Studies

Allows users to compare measures between

- Multiple waves of one study
- The same year in multiple studies

Documentation

- **Domain-specific comparison tables**
  - Sample / Interview
  - Demographics
  - Family & Social Network
  - Health
  - Cognition
  - Healthcare Utilization and Insurance
  - Income & Consumption
  - Financial & Housing Wealth
  - Work
  - Retirement & Pension
  - Stress
  - Psychosocial

- **Domain-specific user guides**
  - Chronic medical conditions
  - Financial transfers
  - Expectations
  - Employment and retirement
  - Income
  - Wealth
  - Cognition
  - Health Behavior
  - Informal Care
  - Household Expenditure
  - Imputation procedures

Interactive Graphs and Charts

Total Family Income for England in 2004 over 3 age groups

Total Family Income
in England grouped by 55 – 64; 65 – 74; 75 – 84 at specific year (2004) from 2004–2004
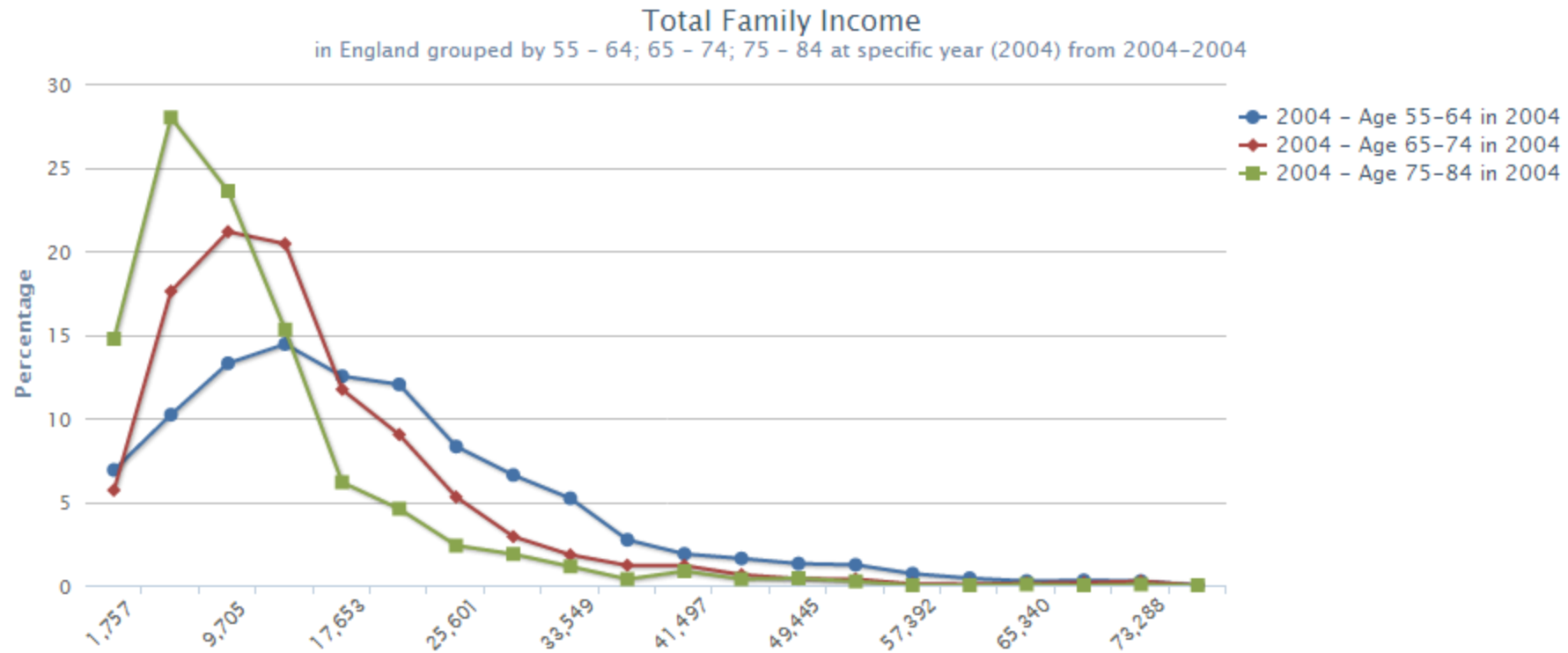
Interactive Graphs and Charts

Interactive Graphs and Charts

Graph | Table

Net Value of Primary Residence
in United States from 2000-2012

	25 ptile	median	75 ptile	wgt mean	std err	N
2000	8860.76	75949.37	151898.73	114564.88	4673.61	12,621
2002	12121.21	84848.48	175757.58	130111.74	5337.06	11,739
2004	5773.67	80831.41	184757.52	148655.19	6321.47	13,123
2006	5411.26	96320.34	216450.22	169200.98	6268.27	12,086
2008	5065.86	91185.41	202634.25	160833.38	6643.32	11,346
2010	0.00	70000.00	174418.61	129491.01	4990.75	14,682
2012	0.00	66476.73	160493.83	117658.64	4600.03	12,562

CSV PDF

Data Notes
All financial values have been adjusted for inflation and are shown in 2010 currency
Statistics are weighted using household-level cross-sectional weights
Statistics for the USA are based on net value of primary residence in the RAND HRS

Citation
This table was generated by the Gateway to Global Aging Data using Harmonized data. The development of the Gateway and Harmonized data was funded by the National Institute on Ageing (R01 AG030153)

Publication Search

Users can find publications based on Health and Retirement Surveys around the world which are relevant to their research focus

- Select from
  1. survey
  2. topic
  3. year
- Search by
  1. title
  2. author
  3. source

Harmonized Data Files

Harmonized Datasets are created to provide harmonized measures of HRS-type surveys:

- Variables are defined as similarly as possible to the RAND HRS

- Combined all waves; each individual is one record

- Same variable naming as in RAND HRS, e.g. r1work – whether the respondent is currently working in wave 1

- Country specific variable name: e.g. r1lbrf_c – respondent's labor force status in wave 1 of CHARLS, with different response scale

- Spouse versions of most variables are also created e.g. s2work – whether respondent's spouse is currently working in wave 2

Simple Harmonization

SHARE 2004

Harmonized SHARE

BR001

Ever smoked cigarettes daily?

1. Yes

5. No

If BR001= 1

BR002

Smoke at the present time?

1. Yes

5. No, I have stopped

R1SMOKEN

Respondent smokes now

0. No

1. Yes

Harmonized Codebooks

Each Harmonized Dataset is accompanied by its own codebook.

- Includes brief overview of statistics for each variable

- Details variable creation and any assumptions made in the creation

- Highlights any differences between waves for this harmonized variable and any differences between this variable and the RAND HRS variable

- Lists all the variables from the originating dataset used in the creation of the variable

Harmonized Codebooks

Health Behaviors: Smoking (Cigarettes)

Wave	Variable	Label	Type
1	R1SMOKEV	r1smokev:w1 r smoke ever	Categ
2	R2SMOKEV	r2smokev:w2 r smoke ever	Categ
4	R4SMOKEV	r4smokev:w4 r smoke ever	Categ
5	R5SMOKEV	r5smokev:w5 r smoke ever	Categ
1	S1SMOKEV	s1smokev:w1 s smoke ever	Categ
2	S2SMOKEV	s2smokev:w2 s smoke ever	Categ
4	S4SMOKEV	s4smokev:w4 s smoke ever	Categ
5	S5SMOKEV	s5smokev:w5 s smoke ever	Categ
1	R1SMOKEN	r1smoken:w1 r smokes now	Categ
2	R2SMOKEN	r2smoken:w2 r smokes now	Categ
4	R4SMOKEN	r4smoken:w4 r smokes now	Categ
5	R5SMOKEN	r5smoken:w5 r smokes now	Categ
1	S1SMOKEN	s1smoken:w1 s smokes now	Categ
2	S2SMOKEN	s2smoken:w2 s smokes now	Categ
4	S4SMOKEN	s4smoken:w4 s smokes now	Categ
5	S5SMOKEN	s5smoken:w5 s smokes now	Categ

Harmonized Codebooks

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SMOKEV	30291	0.47	0.50	0.00	1.00
R2SMOKEV	36674	0.47	0.50	0.00	1.00
R4SMOKEV	57083	0.47	0.50	0.00	1.00
R5SMOKEV	65429	0.47	0.50	0.00	1.00
S1SMOKEV	18457	0.49	0.50	0.00	1.00
S2SMOKEV	23193	0.49	0.50	0.00	1.00
S4SMOKEV	35667	0.48	0.50	0.00	1.00
S5SMOKEV	41190	0.49	0.50	0.00	1.00
R1SMOKEN	30289	0.19	0.40	0.00	1.00
R2SMOKEN	36802	0.19	0.40	0.00	1.00
R4SMOKEN	57490	0.19	0.39	0.00	1.00
R5SMOKEN	66080	0.18	0.38	0.00	1.00
S1SMOKEN	18455	0.19	0.39	0.00	1.00
S2SMOKEN	23373	0.19	0.39	0.00	1.00
S4SMOKEN	36219	0.19	0.39	0.00	1.00
S5SMOKEN	41699	0.17	0.38	0.00	1.00

Harmonized Codebooks

Categorical Variable Codes

Value	R1SMOKEV	R2SMOKEV	R4SMOKEV	R5SMOKEV
.d:DK	2	4	18	5
.m:Missing	148	501	1092	809
.r:Refuse	10	4	9	3
0.no	16013	19289	30395	34390
1.yes	14278	17385	26688	31039

Value	S1SMOKEV	S2SMOKEV	S4SMOKEV	S5SMOKEV
.d:DK	2	2	15	1
.m:Missing	98	287	743	595
.r:Refuse	9	4	7	2
.u:Unmar	7659	9290	15944	17620
.v:SP NR	4226	4406	5826	6838
0.no	9355	11913	18391	21187
1.yes	9102	11280	17276	20003

Value	R1SMOKEN	R2SMOKEN	R4SMOKEN	R5SMOKEN
.d:DK	4	5	22	9
.m:Missing	148	371	676	154
.r:Refuse	10	5	14	3
0.no	24418	29666	46650	54327
1.yes	5871	7136	10840	11753

Value	S1SMOKEN	S2SMOKEN	S4SMOKEN	S5SMOKEN
.d:DK	4	3	16	3
.m:Missing	98	106	187	84
.r:Refuse	9	4	10	2
.u:Unmar	7659	9290	15944	17620
.v:SP NR	4226	4406	5826	6838
0.no	14899	18904	29421	34536
1.yes	3556	4469	6798	7163

Harmonized Codebooks

How Constructed

RwSMOKEV indicates whether the respondent reports ever having smoked cigarettes, pipes, or cigars daily for a period of at least one year. The answer to the respondent's first ever-smoked daily question is carried forward in subsequent waves. A code of 0 indicates that the respondent has never smoked daily. A code of 1 indicates that the respondent has ever smoked daily. When respondents don't know, refuse to answer, or are missing, RwSMOKEV is assigned special missing values .d, .r, .m, respectively. RwSMOKEV is set to plain missing (.) for respondents who did not respond to the current wave.

SwSMOKEV records whether the respondent's spouse has ever smoked daily for a period of at least one year and is taken directly from the spouse's RwSMOKEV. In addition to the special missing codes used in RwSMOKEV, SwSMOKEV employs the special missing value .u, when the respondent does not report being coupled in the current wave, and the special missing value .v, when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSMOKEN indicates whether the respondent reports smoking cigarettes, pipes, or cigars at the present time. This question is only asked if the respondent reports having ever smoked daily. RwSMOKEN is assigned a value of 0 if the respondent does not currently smoke or has never smoked. A code of 1 indicates that the respondent smokes at the present time. When respondents don't know, refuse to answer, or are missing, RwSMOKEN is assigned special missing values .d, .r, .m, respectively. RwSMOKEN is set to plain missing (.) for respondents who did not respond to the current wave.

SwSMOKEN records whether the respondent's spouse smokes at the present time and is taken directly from RwSMOKEN. In addition to the special missing codes used in RwSMOKEN, SwSMOKEN employs the special missing value .u, when the respondent does not report being coupled in the current wave, and the special missing value .v, when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Harmonized Codebooks

Cross Wave Differences in SHARE

No differences known.

Differences with the RAND HRS

In the SHARE, respondents are asked whether they have ever smoked daily for a period of at least one year. In the HRS, respondents are asked whether they have ever smoked (regardless of whether the smoking was daily and not given a definitive period). Consequentially, RwSMOKEV in the Harmonized SHARE captures a different concept then RwSMOKEV in the RAND HRS. This difference also affects RwSMOKEN in the Harmonized SHARE because of the question routing explained above. Only SHARE respondents who answered that they have ever smoked daily for a period of at least one year were asked whether they smoke currently. In the HRS, all respondents who reported that they had ever smoked (regardless of whether the smoking was daily for a specific period) were directed to the question ever smoke currently. These two sets of measures should not be considered exactly comparable to the correlating RAND HRS measures.

In the HRS, the question about whether a person ever smoked daily is only asked at the respondent's first interview. For each respondent the answer to such question is carried forward in subsequent waves.

Harmonized Codebooks

SHARE Variables Used

```
Wave 1:
    BR001_          ever smoked daily
    BR002_          smoke at the present time
Wave 2:
    BR001_          ever smoked daily
    BR002_          smoke at the present time
Wave 4:
    BR001_          ever smoked daily
    BR002_          smoke at the present time
Wave 5:
    BR001_          ever smoked daily
    BR002_          smoke at the present time
```

All Harmonized Data Files

- Harmonized ELSA – incorporates the first seven waves of ELSA (2002 - 2014)

- Harmonized SHARE – incorporates the first, second, fourth, and fifth wave of SHARE (2004, 2006, 2010, 2012)

- Harmonized JSTAR – incorporates the first three waves of JSTAR (2007, 2009, 2011)

- Harmonized KLoSA - incorporates the first four waves of KLoSA (2006, 2008, 2010, 2012)

- Harmonized MHAS – incorporates the first three waves of MHAS (2001, 2003, 2012)

- Harmonized CRELES – incorporates the five waves of CRELES (2005, 2007, 2009, 2010, 2012)

- Harmonized TILDA – incorporates the first two waves of TILDA (2010, 2012)

- Harmonized CHARLS - incorporates the first two waves of CHARLS (2011, 2013)

- Harmonized LASI – incorporates the pilot data of LASI (2010)

Harmonized data files are either distributed through the Gateway or the originating study. In some cases the data files are created by users based on a code provided by the Gateway.

GATEWAY TO GLOBAL AGING DATA

| Surveys at a Glance | Concordance across surveys | Documentation and presentations | Graphs and Tables | Download Data and Links | Create Analysis Data | Publications based on surveys | Help |

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