

INDEPTH WHO-SAGE
STUDY ON GLOBAL AGEING AND ADULT HEALTH
(SAGE)

DATA DOCUMENTATION



**Study on global AGEing
and adult health**



INDEPTH Network



**World Health
Organization**

Version 1 (28 Sep 2010)

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SECTION 1. DESCRIPTION

OVERVIEW

INVESTIGATORS

- INDEPTH NETWORK: Osman Sankoh, Ayaga Bawah, Fred Binka
- WORLD HEALTH ORGANIZATION: Somnath Chatterji, Paul Kowal, Nirmala Naidoo
- AGINCOURT HDSS: Stephen M. Tollman, Kathleen Kahn, F. Xavier Gómez-Olivé
- IFAKARA HDSS: Mathew A. Mwanyangala, Salim Abdullah
- NAIROBI HDSS: Catherine Kyobutungi, Alex Ezeh
- NAVRONGO HDSS: Cornelius Debpuur, Abraham Hodgson
- FILABAVI HDSS: Hoang Van Minh, Nguyen T.K. Chuc
- MATLAB HDSS: Abdur Razzaque, P. Kim Streatfield
- PURWOREJO HDSS: Nawi Ng, Mohammad Hakimi, Siswanto Wilopo
- VADU HDSS: Siddhivinayak Hirve, Sanjay Juvekar
- UMEÅ CENTRE FOR GLOBAL HEALTH RESEARCH: Peter Byass, Stig Wall, Nawi Ng
- UNIVERSITY OF COLORADO: Jane Menken

PUBLISHER

INDEPTH Network and Global Health Action

PUBLICATION DATE

September 28, 2010

ABSTRACT

Background: A collaboration between the WHO Study on global AGEing and adult health (SAGE) and International Network for the Demographic Evaluation of Populations and Their Health in developing countries (INDEPTH), with support from the US National Institute on Aging (NIA) and the Swedish Council for Working Life and Social Research (FAS), has resulted in valuable health, disability and well-being information through a first wave of data collection in 2006-2007 from field sites in Bangladesh, Ghana, India, Indonesia, Kenya, South Africa, Tanzania and Viet Nam.

Objective: To provide an overview of the demographic and health characteristics of participating countries, describe the research collaboration and introduce the first dataset and outputs.

Methods: Data from two SAGE survey modules implemented in eight Health and Demographic Surveillance Systems (HDSS) were merged with core HDSS data to produce a summary dataset for the site-specific and cross-site analyses described in this supplement. Each participating HDSS site used standardised training materials and survey instruments. Face-to-face interviews were conducted. Ethical clearance was obtained from WHO and the local ethical authority for each participating HDSS site.

Results: A pooled sample of over 43,935 persons aged 50 and over from these eight HDSS sites was produced. The SAGE modules resulted in self-reported health, health status, functioning (from the WHO Disability Assessment Scale (WHODAS-II)) and well-being (from the WHO Quality of Life instrument (WHOQoL)) variables. The HDSS databases contributed age, sex, marital status, education, socio-economic status and household size variables.

Conclusion: The INDEPTH WHO-SAGE collaboration demonstrates the value and future possibilities for this type of research in informing policy and planning for a number of countries. This INDEPTH WHO-SAGE dataset was placed in the public domain together with this open-access supplement and is available through the GHA website (www.globalhealthaction.net) and other repositories.

UNIVERSE

This multi-site study was designed as a baseline cross-sectional survey. The data represents the total population aged 50 and over in six HDSS sites: Agincourt (South Africa), Ifakara (Tanzania), Nairobi (Kenya), Filabavi (Viet Nam), Purworejo (Indonesia) and Vadu (India). Sampling in the two remaining HDSS sites (Navrongo, Ghana and Matlab, Bangladesh) was based on random selection of people aged 50 and over within their respective HDSS site.

FUNDING

Financial support for six HDSS sites (four African sites plus Matlab and Vadu) was provided by the US National Institute on Aging through an interagency agreement with the World Health Organization for SAGE, and for two HDSS sites (FilaBavi and Purworejo) from the Swedish Council for Working Life and Social Research (FAS) through Umeå University, Grant No. 2003-0075. The coordination for multisite data analysis and DDI (data documentation initiative) preparation have been supported by the Umeå Centre for Global Health Research, with support from FAS, the Swedish Council for Working Life and Social Research (Grant No. 2006-1512).

GRANT NUMBER

- US NIA Interagency Grant for six HDSS
- The Swedish Council for Working Life and Social Research (FAS) Grant No. 2003-0075 for Purworejo and Filabavi HDSS.

PURPOSE

The overall goals are to establish INDEPTH's capability to contribute critical insights into the adult health, aging and disease transitions evolving in Africa and Asia; and to use this understanding to evaluate potentially high impact interventions.

Specific aims are to:

- conduct a summary physical & cognitive function module that is integrated into routine surveillance rounds
- implement the full version of SAGE in a few DSS sites
- to repeat the summary module regularly to allow measurement of health transition in older populations
- relate health transition to demographic events such as fatal health outcomes (mortality)

SUBJECT TERMS	Ageing, health, well-being, disability, SAGE
KEYWORDS	Ageing; survey methods; public health; burden of disease; demographic transition; disability; well-being; health status; INDEPTH WHO-SAGE
GEOGRAPHICAL COVERAGE	This multi-centre INDEPTH WHO-SAGE study was conducted during 2006-2007 in eight HDSS sites in Africa and Asia: Agincourt (South Africa), Ifakara (Tanzania), Nairobi (Kenya), Navrongo (Ghana), Filabavi (Viet Nam), Matlab (Bangladesh), Purworejo (Indonesia) and Vadu (India). The HDSS sites were selected to include different geographic and socio-economic contexts.
GEOGRAPHICAL LEVEL	Country (highest level), District (lowest level)
TIME PERIOD	2006-2007
UNIT OF ANALYSIS	Individuals
ANALYSIS UNITS COVERED	Individuals, HDSSs
TYPES OF DATA	Survey data plus linked surveillance data

METADATA PRODUCTION

PRODUCED BY	Dr. Nawi Ng, MPH, PhD nawi.ng@epiph.umu.se Umeå Centre for Global Health Research Umeå University, Sweden
DDI DOCUMENT VERSION	Version 1.0.0 (2010-09-28)
DDI DOCUMENT ID	INDEPTH-WHO-SAGE DDI 2010v1
ORGANIZATION	Umeå Centre for Global Health Research, Umeå University, Sweden
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DATA COLLECTION

SAMPLING	Six HDSS sites collected data from the entire population aged 50 and over in their HDSS. Sampling in the two remaining HDSS sites (Navrongo, Ghana and Matlab, Bangladesh) was based on random selection of people aged 50 and over within the HDSS site.
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DATA SOURCE	The study was conducted in 2006-2007 in eight HDSS sites in Africa and Asia: Agincourt (South Africa); Ifakara (Tanzania); Nairobi (Kenya); Navrongo (Ghana); Filabavi (Viet Nam); Matlab (Bangladesh); Purworejo (Indonesia); and, Vadu (India). All sites are members of the INDEPTH Network which was founded to facilitate linkage of existing HDSS through a focused network on HIV/AIDS, malaria, adult health, and NCDs. The HDSSs, which are all in rural settings, cover a representative sample of population at a district level. The HDSS are however self-selected, and do not represent the entire region or country.
DATE OF COLLECTION	2006 – 2007
MODE OF COLLECTION	Face-to-face interview
COLLECTION PROTOCOL	This study used a modified version of the WHO SAGE survey instrument, adapting two modules from the original instrument. The INDEPTH WHO-SAGE instrument consisted of the health state description and subjective well-being and quality of life modules. The study questionnaire was developed through a consultative process between INDEPTH and WHO with the goal of integrating a feasible number of useful SAGE modules into routine surveillance update activities with minimum impact on existing HDSS procedures and maximum return on measuring health and well-being. This instrument was translated and back-translated in eight local languages. Standardised training, interview protocols and quality assurance procedures were used across all participating sites. Centralised training was provided to principal investigators from each site, who in turn trained their respective survey teams: site-based training averaged 4.5 days in duration across the sites. Mean interview time was 20 min.
CLEANING PROTOCOL	Each site was responsible for cleaning their data, and the cleaned data was sent to the group coordinator. The site data were later merged into a cross-site dataset to facilitate further cross-site analysis. Further cleaning process of outliers were undertaken in the pooled data, and uniform indicators on various additional variables from the HDSS database were developed for all sites to ensure consistency and comparability.
ACTIONS TO MINIMISE DATA LOSS	Following site-level data entry and cleaning, and after a data-sharing agreement was reached between the participating INDEPTH HDSS sites and with WHO, data were forwarded to a central location (Umeå, Sweden) for cleaning and imputation of missing data. Regular correspondence between HDSS sites improved the efficiency of the data checking and cleaning process. A working meeting held in 2008 at Umeå University, Sweden, was used to harmonise data across the sites, finalise the dataset and agree on initial outputs.
WEIGHTS	All the analyses were weighted by the 2007 population age and sex distribution at each HDSS site to account for non-response. The descriptive results were standardised to the WHO world standard population distribution to account for the different

population distributions across HDSS sites.

RESPONSE RATES

A total of 58,004 respondents aged 50 years and over were invited to participate, and the response rate was 80%, resulting in a final total sample of 46,269, ranging from 2,072 in Nairobi to 12,395 in Purworejo. The response rate was: 63% in Agincourt HDSS, 103% in Ifakara HDSS, 77% in Nairobi HDSS, 92% in Navrongo HDSS, 100% in Filabavi HDSS, 81% in Matlab HDSS, 87% in Purworejo HDSS, and 68% in Vadu HDSS.

SAMPLING ERRORS

In six sites all eligibles were considered to be potential respondents and at Navrongo and Matlab HDSS sites, a subset were selected using a simple random sampling design. We anticipate error due to non-response.

OTHER APPRAISAL PROCESS

None

INSTRUMENT

The abbreviated survey instrument consisted of two modules adapted from the full SAGE questionnaire: the HS and associated vignette questions plus Activities of Daily Living (ADL)-type questions (following the WHO Disability Assessment Scale version II (WHODAS-II) model), and questions on subjective well-being as measured by the 8-item version of the WHO Quality of Life (WHOQoL) instrument.

SOFTWARE DETAILS

Each HDSS site used their respective data entry system. Data cleaning, merging and analysis were performed in STATA Version 10.

COLLECTION INFORMATION

EXTENT OF COLLECTION

Data was collected in 2006-2007

DATA FORMAT

Data are available in Access 2007 format.
INDEPTH-WHO-SAGE Data 2010v1.mdb

VERSION HISTORY

Version 1 : 2010-09-28

SECTION 2. VARIABLES

DATA FILE

PLACE OF PRODUCTION	INDEPTH Network: Agincourt HDSS, Ifakara HDSS, Nairobi HDSS, Navrongo HDSS, Filabavi HDSS, Matlab HDSS, Purworejo HDSS, Vadu HDSS
PROCESSING CHECKS	Not specified
NUMBER OF CASES	43,935
VARIABLE COUNT	89

DOWNLOAD

VARIABLES

ID	NAMES	TYPES	LABELS
V01	id	str8	Subject number
V02	ison	str3	ISO 3 digit country code
V03	isoa	str3	ISO 3 letter country code
V04	siteord	float	Study sites
V05	popweight	float	Population weight
V06	popstd	float	Population standard
V07	sex	double	Sex of respondent
V08	age	double	Age of respondent
V09	agegr10	double	Age group 10 year intervals
V10	agegr05	double	Age group 5 year intervals
V11	edu	double	Highest education level
V12	marstat	float	Marital status
V13	livarr	float	Living arrangement
V14	ses	float	Quintiles of socio-economic status (wealth)
V15	n50plus	double	Number of 50+ in the same household
V16	fsize	float	Total people in the same household
V17	prop50	float	Proportion of 50+ in each household
V18	prop50cat	float	Categories of proportion of 50+
V19	q1000	byte	Overall general self-reported health
V20	q1001	byte	Difficulties with work or household activities

VARIABLES

ID	NAMES	TYPES	LABELS
V21	q1002	byte	Difficulties in moving around
V22	q1003	byte	Difficulties in vigorous activities
V23	q1004	byte	Difficulties with self-care
V24	q1005	byte	Difficulties with maintaining general appearance
V25	q1006	byte	Difficulties in staying by yourself
V26	q1007	byte	Bodily aches and pain
V27	q1008	byte	Bodily discomfort
V28	q1009	byte	Difficulties in daily life due to pain
V29	q1010	byte	Difficulties in concentrating or remembering things
V30	q1011	byte	Difficulties in learning a new task
V31	q1012	byte	Difficulties in personal relationships
V32	q1013	byte	Difficulties in dealing with conflicts and tension
V33	q1014	byte	Difficulties in making new/maintaining friendships
V34	q1015	byte	Difficulties in dealing with strangers
V35	q1016	byte	Difficulties in falling asleep
V36	q1017	byte	Not feeling rested and refreshed
V37	q1018	byte	Feeling sad low depressed
V38	q1019	byte	Worry or anxiety
V39	q1021	long	Use eye glasses for distance vision
V40	q1022	long	Use eye glasses for near vision
V41	q1023	byte	Difficulties in seeing a person across the road
V42	q1024	byte	Difficulties in recognising objects at arms length
V43	q1025	byte	Difficulties in standing for long periods
V44	q1026	byte	Difficulties in taking care of HH responsibilities
V45	q1027	byte	Difficulties in joining community activities
V46	q1028	byte	Difficulties in concentrating for 10 minutes
V47	q1029	byte	Difficulties in walking a long distance
V48	q1030	byte	Difficulties in washing whole body
V49	q1031	byte	Difficulties in getting dressed
V50	q1032	byte	Difficulties in day to day work
V51	q1033	byte	Emotionally affected by health
V52	q1034	byte	Influence of difficulties in life
V53	q1035	long	Use of other assistive devices

VARIABLES

ID	NAMES	TYPES	LABELS
V54	q2001	byte	Enough energy for everyday life
V55	q2002	byte	Enough money to meet your needs
V56	q2003	byte	Satisfied with your health
V57	q2004	byte	Satisfied with yourself
V58	q2005	byte	Satisfied with ability to perform daily
V59	q2006	byte	Satisfied with personal relationships
V60	q2007	byte	Satisfied with conditions of living place
V61	q2008	byte	Satisfied with life as a whole these days
V62	q2009	byte	Overall quality of life
V63	q2010	byte	General happiness: taking all things together...
V64	WHODAS	float	WHODAS Original Score
V65	WHODASi	float	WHODAS Inverted Score
V66	WHOQOL	float	WHOQOL Original Score
V67	WHOQOLr	float	WHOQOL Rescaled Score
V68	irthealth	float	IRT Health Score
V69	vignset	float	Vignette sets
V70	q1101	double	Vignette question #1 in questionnaire
V71	q1102	double	Vignette question #2 in questionnaire
V72	q1103	double	Vignette question #3 in questionnaire
V73	q1104	double	Vignette question #4 in questionnaire
V74	q1105	double	Vignette question #5 in questionnaire
V75	q1106	double	Vignette question #6 in questionnaire
V76	q1107	double	Vignette question #7 in questionnaire
V77	q1108	double	Vignette question #8 in questionnaire
V78	q1109	double	Vignette question #9 in questionnaire
V79	q1110	double	Vignette question #10 in questionnaire
V80	q1111	double	Vignette question #11 in questionnaire
V81	q1112	double	Vignette question #12 in questionnaire
V82	q1113	double	Vignette question #13 in questionnaire
V83	q1114	double	Vignette question #14 in questionnaire
V84	q1115	double	Vignette question #15 in questionnaire
V85	q1116	double	Vignette question #16 in questionnaire
V86	q1117	double	Vignette question #17 in questionnaire
V87	q1118	double	Vignette question #18 in questionnaire
V88	q1119	double	Vignette question #19 in questionnaire
V89	q1120	double	Vignette question #20 in questionnaire

SECTION 3. VARIABLE CODEBOOK

id **Subject number**

type: string (str8)
unique values: 43935 missing "": 0/43935
examples: "35600605"
 "36005022"
 "40401874"
 "71000080"

ison **ISO 3 digit country code**

type: string (str3)
unique values: 8 missing "": 0/43935
tabulation: Freq. Value
 4004 "050"
 4294 "288"
 4514 "356"
 11753 "360"
 1991 "404"
 8516 "704"
 3839 "710"
 5024 "834"

isoa **ISO 3 letter country code**

type: string (str3)
unique values: 8 missing "": 0/43935
tabulation: Freq. Value
 4004 "BGD"
 4294 "GHA"
 11753 "IDN"
 4514 "IND"
 1991 "KEN"
 5024 "TZA"
 8516 "VNM"
 3839 "ZAF"

siteord **Study sites**

type: numeric (float)
label: siteord
range: [1,8] units: 1
unique values: 8 missing .: 0/43935
tabulation: Freq. Numeric Label
 4294 1 Navrongo-GH
 5024 2 Ifakara-TZ
 1991 3 Nairobi-KE
 3839 4 Agincourt-SA
 4514 5 Vadu-ID
 4004 6 Matlab-BD
 8516 7 Filabavi-VN
 11753 8 Purworejo-ID

popweight **Population weight**

type: numeric (float)
range: [.392,3.059] units: .001
unique values: 89 missing .: 0/43935

popstd **Population standard**

type: numeric (float)
range: [.005,5.371] units: .001
unique values: 11 missing .: 0/43935

Age group 5 years interval	Standard Population Weight
50-54	5.371
55-59	4.547
60-64	3.723
65-69	2.955
70-74	2.21
75-79	1.515
80-84	.905
85-89	.437
90-94	.154
95-99	.037
100+	.005

sex **Sex of respondent**

type: numeric (double)
label: xuw
range: [1,2] units: 1
unique values: 2 missing .: 0/43935

tabulation:

Freq.	Numeric	Label
19501	1	Male
24434	2	Female

age **Age of respondent**

type: numeric (double)
range: [50,106] units: 1
unique values: 57 missing .: 0/43935
mean: 63.6695
std. dev: 9.74931
percentiles: 10% 25% 50% 75% 90%
 52 55 62 70 77

agegr10 **Age group 10 year intervals**

type: numeric (double)
label: agegr

range: [1,4] units: 1
unique values: 4 missing .: 0/43935

tabulation: Freq. Numeric Label

17688	1	50-59
14133	2	60-69
9051	3	70-79
3063	4	80+

agegr05 **Age group 5 year intervals**

type: numeric (double)
label: agegrouping

range: [1,11] units: 1
unique values: 11 missing .: 0/43935

tabulation: Freq. Numeric Label

9439	1	50-54
8249	2	55-59
7214	3	60-64
6919	4	65-69
5295	5	70-74
3756	6	75-79
1809	7	80-84
911	8	85-89
234	9	90-94
90	10	95-99
19	11	100+

edu **Highest education level**

type: numeric (double)
label: ccxc

range: [1,3] units: 1
unique values: 3 missing .: 0/43935

tabulation: Freq. Numeric Label

11892	1	No formal education
23698	2	Primary or <6years
8345	3	More than-6years

marstat **Marital status**

type: numeric (float)
label: xwqp

range: [1,2] units: 1
unique values: 2 missing .: 0/43935

tabulation: Freq. Numeric Label

29721	1	In current partnership
14214	2	Now single

livarr **Living arrangement**

type: numeric (float)
label: livarrlab

range: [0,1] units: 1
unique values: 2 missing .: 0/43935

tabulation:	Freq.	Numeric	Label
	41245	0	Living with other
	2690	1	Living alone

ses **Quintiles of socio-economic status (wealth)**

type: numeric (float)
label: sescode

range: [1,5] units: 1
unique values: 5 missing .: 0/43935

tabulation:	Freq.	Numeric	Label
	7987	1	1st quintile
	8294	2	2nd quintile
	9031	3	3rd quintile
	10354	4	4th quintile
	8269	5	5th quintile

n50plus **Number of 50+ in the same household**

type: numeric (double)

range: [0,13] units: 1
unique values: 10 missing .: 0/43935

mean: 1.74385
std. dev: .749368

percentiles:	10%	25%	50%	75%	90%
	1	1	2	2	3

fsize **Total people in the same household**

type: numeric (float)

range: [1,30] units: 1
unique values: 30 missing .: 0/43935

mean: 5.58746
std. dev: 3.87708

percentiles:	10%	25%	50%	75%	90%
	2	3	5	7	10

prop50 **Proportion of 50+ in each household**

type: numeric (float)
range: [0,1] units: 1.000e-09
unique values: 106 missing .: 0/43935
mean: .446532
std. dev: .295107
percentiles: 10% 25% 50% 75% 90%
.142857 .2 .333333 .666667 1

prop50cat **Categories of proportion of 50+**

type: numeric (float)
label: prop50cat
range: [0,3] units: 1
unique values: 4 missing .: 0/43935
tabulation: Freq. Numeric Label
7869 0 >=75%
9088 1 50-74%
14512 2 25-49%
12466 3 <25%

q1000 **Overall general self-reported health**

type: numeric (byte)
label: lab1
range: [1,5] units: 1
unique values: 5 missing .: 22/43935
tabulation: Freq. Numeric Label
1491 1 very good
20019 2 good
16926 3 moderate
5090 4 bad
387 5 very bad
22 .

q1001 **Difficulties with work or household activities**

type: numeric (byte)
label: lab2
range: [1,5] units: 1
unique values: 5 missing .: 51/43935
tabulation: Freq. Numeric Label
13831 1 none
12442 2 mild
11002 3 moderate
5422 4 severe
1187 5 extreme/cannot do
51 .

q1002

Difficulties in moving around

```
      type: numeric (byte)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 84/43935

      tabulation: Freq.  Numeric  Label
                  26273      1  none
                  9004       2  mild
                  5346       3  moderate
                  2746       4  severe
                   482       5  extreme/cannot do
                   84        .
```

q1003

Difficulties in vigorous activities

```
      type: numeric (byte)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 218/43935

      tabulation: Freq.  Numeric  Label
                  12568      1  none
                  8540       2  mild
                  9267       3  moderate
                  8629       4  severe
                  4713       5  extreme/cannot do
                   218        .
```

q1004

Difficulties with self-care

```
      type: numeric (byte)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 34/43935

      tabulation: Freq.  Numeric  Label
                  34525      1  none
                  5480       2  mild
                  2586       3  moderate
                  1023       4  severe
                   287       5  extreme/cannot do
                   34        .
```

q1005

Difficulties with maintaining general appearance

```
      type: numeric (byte)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 37/43935

      tabulation: Freq.  Numeric  Label
                  34408      1  none
                  5748       2  mild
                  2546       3  moderate
                   912       4  severe
                   284       5  extreme/cannot do
                   37        .
```

q1006 **Difficulties in staying by yourself**

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 2050/43935

tabulation: Freq. Numeric Label

27185	1	none
6711	2	mild
4135	3	moderate
2793	4	severe
1061	5	extreme/cannot do
2050	.	.

q1007 **Bodily aches and pain**

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 37/43935

tabulation: Freq. Numeric Label

11530	1	none
14274	2	mild
10955	3	moderate
6365	4	severe
774	5	extreme/cannot do
37	.	.

q1008 **Bodily discomfort**

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 51/43935

tabulation: Freq. Numeric Label

12223	1	none
14799	2	mild
11034	3	moderate
5368	4	severe
460	5	extreme/cannot do
51	.	.

q1009 **Difficulties in daily life due to pain**

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 2317/43935

tabulation: Freq. Numeric Label

13223	1	none
13642	2	mild
9400	3	moderate
4499	4	severe
854	5	extreme/cannot do
2317	.	.

q1010 **Difficulties in concentrating or remembering things**

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 53/43935

tabulation: Freq. Numeric Label

18142	1	none
13140	2	mild
8192	3	moderate
4030	4	severe
378	5	extreme/cannot do
53	.	.

q1011 **Difficulties in learning a new task**

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 68/43935

tabulation: Freq. Numeric Label

17588	1	none
11755	2	mild
8824	3	moderate
4220	4	severe
1480	5	extreme/cannot do
68	.	.

q1012 **Difficulties in personal relationships**

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 48/43935

tabulation: Freq. Numeric Label

28926	1	none
8007	2	mild
4413	3	moderate
1884	4	severe
657	5	extreme/cannot do
48	.	.

q1013 **Difficulties in dealing with conflicts and tension**

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 104/43935

tabulation: Freq. Numeric Label

28705	1	none
8369	2	mild
4656	3	moderate
1679	4	severe
422	5	extreme/cannot do
104	.	.

q1014

Difficulties in making new/maintaining friendships

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 2049/43935

tabulation: Freq. Numeric Label

29536	1	none
7264	2	mild
3912	3	moderate
988	4	severe
186	5	extreme/cannot do
2049	.	.

q1015

Difficulties in dealing with strangers

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 2100/43935

tabulation: Freq. Numeric Label

29010	1	none
7234	2	mild
3977	3	moderate
1440	4	severe
174	5	extreme/cannot do
2100	.	.

q1016

Difficulties in falling asleep

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 71/43935

tabulation: Freq. Numeric Label

16483	1	none
11295	2	mild
8778	3	moderate
6736	4	severe
572	5	extreme/cannot do
71	.	.

q1017

Not feeling rested and refreshed

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 106/43935

tabulation: Freq. Numeric Label

17171	1	none
12458	2	mild
9299	3	moderate
4450	4	severe
451	5	extreme/cannot do
106	.	.

q1018

Feeling sad low depressed

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 81/43935

tabulation: Freq. Numeric Label
21618 1 none
11600 2 mild
6836 3 moderate
3339 4 severe
461 5 extreme/cannot do
81 .

q1019

Worry or anxiety

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 166/43935

tabulation: Freq. Numeric Label
20633 1 none
10872 2 mild
7078 3 moderate
4314 4 severe
872 5 extreme/cannot do
166 .

q1021

Use eye glasses for distance vision

type: numeric (long)
label: lab3

range: [1,2] units: 1
unique values: 2 missing .: 195/43935

tabulation: Freq. Numeric Label
5619 1 yes
38121 2 no
195 .

q1022

Use eye glasses for near vision

type: numeric (long)
label: lab3

range: [1,2] units: 1
unique values: 2 missing .: 185/43935

tabulation: Freq. Numeric Label
12040 1 yes
31710 2 no
185 .

q1023 **Difficulties in seeing a person across the road**

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 101/43935

tabulation: Freq. Numeric Label
21162 1 none
10502 2 mild
7373 3 moderate
3950 4 severe
847 5 extreme/cannot do
101 .

q1024 **Difficulties in recognising objects at arms length**

type: numeric (byte)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 108/43935

tabulation: Freq. Numeric Label
23570 1 none
10216 2 mild
6703 3 moderate
2691 4 severe
647 5 extreme/cannot do
108 .

q1025 **Difficulties in standing for long periods**

type: numeric (byte)
label: lab4

range: [1,5] units: 1
unique values: 5 missing .: 282/43935

tabulation: Freq. Numeric Label
19341 1 none
10057 2 mild
7116 3 moderate
5387 4 severe
1752 5 extreme/cannot do
282 .

q1026 **Difficulties in taking care of HH responsibilities**

type: numeric (byte)
label: lab4

range: [1,5] units: 1
unique values: 5 missing .: 180/43935

tabulation: Freq. Numeric Label
22992 1 none
10966 2 mild
6140 3 moderate
2737 4 severe
920 5 extreme/cannot do
180 .

q1027 **Difficulties in joining community activities**

type: numeric (byte)
label: lab4

range: [1,5] units: 1
unique values: 5 missing .: 270/43935

tabulation: Freq. Numeric Label
25655 1 none
8895 2 mild
5323 3 moderate
2535 4 severe
1257 5 extreme/cannot do
270 .

q1028 **Difficulties in concentrating for 10 minutes**

type: numeric (byte)
label: lab4

range: [1,5] units: 1
unique values: 5 missing .: 119/43935

tabulation: Freq. Numeric Label
23592 1 none
11148 2 mild
6136 3 moderate
2310 4 severe
630 5 extreme/cannot do
119 .

q1029 **Difficulties in walking a long distance**

type: numeric (byte)
label: lab4

range: [1,5] units: 1
unique values: 5 missing .: 231/43935

tabulation: Freq. Numeric Label
20294 1 none
8257 2 mild
6325 3 moderate
5873 4 severe
2955 5 extreme/cannot do
231 .

q1030 **Difficulties in washing whole body**

type: numeric (byte)
label: lab4

range: [1,5] units: 1
unique values: 5 missing .: 86/43935

tabulation: Freq. Numeric Label
36392 1 none
4636 2 mild
1886 3 moderate
663 4 severe
272 5 extreme/cannot do
86 .

q1031 **Difficulties in getting dressed**

type: numeric (byte)
label: lab4

range: [1,5] units: 1
unique values: 5 missing .: 89/43935

tabulation: Freq. Numeric Label

37154	1	none
4241	2	mild
1688	3	moderate
533	4	severe
230	5	extreme/cannot do
89	.	.

q1032 **Difficulties in day to day work**

type: numeric (byte)
label: lab4

range: [1,5] units: 1
unique values: 5 missing .: 201/43935

tabulation: Freq. Numeric Label

22680	1	none
9077	2	mild
6785	3	moderate
3356	4	severe
1836	5	extreme/cannot do
201	.	.

q1033 **Emotionally affected by health**

type: numeric (byte)
label: lab4

range: [1,5] units: 1
unique values: 5 missing .: 134/43935

tabulation: Freq. Numeric Label

19584	1	none
12614	2	mild
7769	3	moderate
3153	4	severe
681	5	extreme/cannot do
134	.	.

q1034 **Influence of difficulties in life**

type: numeric (byte)
label: lab4

range: [1,5] units: 1
unique values: 5 missing .: 549/43935

tabulation: Freq. Numeric Label

16907	1	none
13409	2	mild
8488	3	moderate
3647	4	severe
935	5	extreme/cannot do
549	.	.

q1035

Use of other assistive devices

```
      type: numeric (long)
      label: lab3

      range: [1,2]
unique values: 2

      units: 1
missing .: 134/43935

      tabulation: Freq.   Numeric   Label
                   9614         1   yes
                   34187        2   no
                   134          .
```

q2001

Enough energy for everyday life

```
      type: numeric (byte)
      label: lab5

      range: [1,5]
unique values: 5

      units: 1
missing .: 159/43935

      tabulation: Freq.   Numeric   Label
                   11687         1   completely
                   9146          2   mostly
                   14202         3   moderately
                   7904          4   a little
                   837           5   not at all
                   159           .
```

q2002

Enough money to meet your needs

```
      type: numeric (byte)
      label: lab5

      range: [1,5]
unique values: 5

      units: 1
missing .: 197/43935

      tabulation: Freq.   Numeric   Label
                   7238         1   completely
                   5968         2   mostly
                   12154        3   moderately
                   13263        4   a little
                   5115         5   not at all
                   197          .
```

q2003

Satisfied with your health

```
      type: numeric (byte)
      label: lab6

      range: [1,5]
unique values: 5

      units: 1
missing .: 139/43935

      tabulation: Freq.   Numeric   Label
                   3055         1   very satisfied
                   26479        2   satisfied
                   7760         3   neither
                   6076         4   dissatisfied
                   426          5   very satisfied
                   139          .
```

q2004

Satisfied with yourself

```
      type: numeric (byte)
      label: lab6

      range: [1,5]
unique values: 5

      units: 1
missing .: 2131/43935

      tabulation: Freq.  Numeric  Label
                  2972      1  very satisfied
                  28809     2  satisfied
                  6964      3  neither
                  2875      4  dissatisfied
                   184      5  very satisfied
                  2131      .
```

q2005

Satisfied with ability to perform daily

```
      type: numeric (byte)
      label: lab6

      range: [1,5]
unique values: 5

      units: 1
missing .: 143/43935

      tabulation: Freq.  Numeric  Label
                  3142      1  very satisfied
                  27860     2  satisfied
                   8403     3  neither
                   3908     4  dissatisfied
                    479     5  very satisfied
                   143      .
```

q2006

Satisfied with personal relationships

```
      type: numeric (byte)
      label: lab6

      range: [1,5]
unique values: 5

      units: 1
missing .: 1004/43935

      tabulation: Freq.  Numeric  Label
                  5433      1  very satisfied
                  30724     2  satisfied
                   5286     3  neither
                   1251     4  dissatisfied
                    237     5  very satisfied
                   1004      .
```

q2007

Satisfied with conditions of living place

```
      type: numeric (byte)
      label: lab6

      range: [1,5]
unique values: 5

      units: 1
missing .: 150/43935

      tabulation: Freq.  Numeric  Label
                  5235      1  very satisfied
                  29255     2  satisfied
                   6094     3  neither
                   2985     4  dissatisfied
                    216     5  very satisfied
                   150      .
```

q2008

Satisfied with life as a whole these days

```

type: numeric (byte)
label: lab6

range: [1,5] units: 1
unique values: 5 missing .: 161/43935

tabulation: Freq. Numeric Label
             2554      1 very satisfied
             28474     2 satisfied
             10219     3 neither
             2291      4 dissatisfied
             236       5 very satisfied
             161       .

```

q2009

Overall quality of life

```

type: numeric (byte)
label: lab7

range: [1,5] units: 1
unique values: 5 missing .: 353/43935

tabulation: Freq. Numeric Label
             1017      1 very good
             17966     2 good
             21152     3 moderate
             2941      4 bad
             506       5 very bad
             353       .

```

q2010

General happiness, taking all things together..

```

type: numeric (byte)
label: lab8

range: [1,5] units: 1
unique values: 5 missing .: 353/43935

tabulation: Freq. Numeric Label
             1563      1 very happy
             26301     2 happy
             12912     3 neither
             2394      4 unhappy
             412       5 very unhappy
             353       .

```

WHODAS

WHODAS Original Score

```

type: numeric (float)

range: [0,100] units: 1.000e-07
unique values: 37 missing .: 0/43935

mean: 21.3669
std. dev: 19.0843

percentiles:      10%      25%      50%      75%      90%
                  0      5.55556  16.6667  33.3333  47.2222

```

WHODASi **WHODAS Inverted Score**

type: numeric (float)

range: [0,100] units: 1.000e-07
unique values: 37 missing .: 0/43935

mean: 78.6331
std. dev: 19.0843

percentiles: 10% 25% 50% 75% 90%
 52.7778 66.6667 83.3333 94.4444 100

WHOQOL **WHOQOL Original Score**

type: numeric (float)

range: [0,64] units: 1
unique values: 42 missing .: 0/43935

mean: 19.0277
std. dev: 4.70595

percentiles: 10% 25% 50% 75% 90%
 14 16 18 22 25

WHOQOLr **WHOQOL Rescaled Score**

type: numeric (float)

range: [0,100] units: .0001
unique values: 42 missing .: 0/43935

mean: 70.2691
std. dev: 7.35305

percentiles: 10% 25% 50% 75% 90%
 60.9375 65.625 71.875 75 78.125

irthealth **IRT Health Score**

type: numeric (float)

range: [0,100] units: 1.000e-07
unique values: 448 missing .: 0/43935

mean: 67.4114
std. dev: 11.2108

percentiles: 10% 25% 50% 75% 90%
 55.2332 60.1439 65.8016 73.3277 83.1286

vignset (unlabeled)

type: numeric (float)
label: vignset

range: [1,4] units: 1
unique values: 4 missing .: 9372/43935

tabulation: Freq. Numeric Label

8956	1	Vignette Set A
8822	2	Vignette Set B
8388	3	Vignette Set C
8397	4	Vignette Set D
9372	.	

q1101 (unlabeled)

type: numeric (double)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 9982/43935

tabulation: Freq. Numeric Label

7314	1	none
8556	2	mild
11326	3	moderate
6127	4	severe
630	5	extreme/cannot do
9982	.	

q1102 (unlabeled)

type: numeric (double)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 9992/43935

tabulation: Freq. Numeric Label

5089	1	none
8179	2	mild
11384	3	moderate
7888	4	severe
1403	5	extreme/cannot do
9992	.	

q1103 (unlabeled)

type: numeric (double)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 10041/43935

tabulation: Freq. Numeric Label

2406	1	none
6986	2	mild
11614	3	moderate
11562	4	severe
1326	5	extreme/cannot do
10041	.	

q1104 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10041/43935

      tabulation: Freq.  Numeric  Label
                  3961      1  none
                  5980      2  mild
                  10993     3  moderate
                  11050     4  severe
                  1910      5  extreme/cannot do
                  10041      .
```

q1105 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10061/43935

      tabulation: Freq.  Numeric  Label
                  2877      1  none
                  3576      2  mild
                  6857      3  moderate
                  15674     4  severe
                  4890      5  extreme/cannot do
                  10061      .
```

q1106 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10073/43935

      tabulation: Freq.  Numeric  Label
                  1455      1  none
                  3404      2  mild
                  6831      3  moderate
                  14689     4  severe
                  7483      5  extreme/cannot do
                  10073      .
```

q1107 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10110/43935

      tabulation: Freq.  Numeric  Label
                  1919      1  none
                  8772      2  mild
                  9065      3  moderate
                  10790     4  severe
                  3279      5  extreme/cannot do
                  10110      .
```

q1108 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10110/43935

      tabulation: Freq.  Numeric  Label
                  2624      1  none
                  8545      2  mild
                  9600      3  moderate
                  9743      4  severe
                  3313      5  extreme/cannot do
                  10110      .
```

q1109 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10129/43935

      tabulation: Freq.  Numeric  Label
                  3997      1  none
                  9685      2  mild
                  11186     3  moderate
                  7933      4  severe
                  1005      5  extreme/cannot do
                  10129      .
```

q1110 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10129/43935

      tabulation: Freq.  Numeric  Label
                  4638      1  none
                  8367      2  mild
                  10179     3  moderate
                  8078      4  severe
                  2544      5  extreme/cannot do
                  10129      .
```

q1111 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10124/43935

      tabulation: Freq.  Numeric  Label
                  2440      1  none
                  5944      2  mild
                  8894      3  moderate
                  12636     4  severe
                  3897      5  extreme/cannot do
                  10124      .
```

q1112 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10124/43935

      tabulation: Freq.  Numeric  Label
                  2030      1  none
                  5258      2  mild
                  8657      3  moderate
                  13033     4  severe
                  4833      5  extreme/cannot do
                  10124      .
```

q1113 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10127/43935

      tabulation: Freq.  Numeric  Label
                  17909     1  none
                  3410      2  mild
                  2863      3  moderate
                  6489      4  severe
                  3137      5  extreme/cannot do
                  10127     .
```

q1114 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10127/43935

      tabulation: Freq.  Numeric  Label
                  17135     1  none
                  3748      2  mild
                  3092      3  moderate
                  6437      4  severe
                  3396      5  extreme/cannot do
                  10127     .
```

q1115 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10134/43935

      tabulation: Freq.  Numeric  Label
                  4853      1  none
                  3268      2  mild
                  4012      3  moderate
                  10518     4  severe
                  11150     5  extreme/cannot do
                  10134     .
```

q1116 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10133/43935

      tabulation: Freq.  Numeric  Label
                  4783      1  none
                  3280      2  mild
                  4260      3  moderate
                  9277      4  severe
                  12202     5  extreme/cannot do
                  10133      .
```

q1117 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10127/43935

      tabulation: Freq.  Numeric  Label
                  19902     1  none
                  3717      2  mild
                  2091      3  moderate
                  3282      4  severe
                  4816      5  extreme/cannot do
                  10127      .
```

q1118 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10125/43935

      tabulation: Freq.  Numeric  Label
                  19341     1  none
                  4179      2  mild
                  2267      3  moderate
                  3156      4  severe
                  4867      5  extreme/cannot do
                  10125      .
```

q1119 **(unlabeled)**

```
      type: numeric (double)
      label: lab2

      range: [1,5]                units: 1
unique values: 5                missing .: 10123/43935

      tabulation: Freq.  Numeric  Label
                  7108      1  none
                  2039      2  mild
                  2716      3  moderate
                  12937     4  severe
                  9012      5  extreme/cannot do
                  10123      .
```

q1120

(unlabeled)

type: numeric (double)
label: lab2

range: [1,5] units: 1
unique values: 5 missing .: 10123/43935

tabulation:	Freq.	Numeric	Label
	7164	1	none
	2033	2	mild
	2859	3	moderate
	11577	4	severe
	10179	5	extreme/cannot do
	10123	.	.

SECTION 4. ORGANIZATIONS

INDEPTH NETWORK	II Mensah Wood Street, East Legon P.O,Box KD 213,Kanda Accra, Ghana Tel: +233 21 519394 Fax: +23321 519395
WORLD HEALTH ORGANIZATION	Multi-Country Studies Unit World Health Organization 20 Avenue Appia CH-1211 Geneva, Switzerland Tel: +41 22 791 3202
AGINCOURT HDSS	MRC/Wits Rural Public Health and Health Transitions Research Unit (Agincourt) School of Public Health Faculty of Health Sciences University of the Witwatersrand 7 York Road, Parktown 2193 Johannesburg, South Africa
IFAKARA HDSS	Ifakara Site Health Institute P.O. Box 53, Ifakara, Morogoro, Tanzania
NAIROBI HDSS	African Population & Health Research Centre Longonot Road, Upper Hill P.O. Box 10787, GPO 00100, Nairobi, Kenya Tel: +254 20 2720400 Fax: +254 20 2720380
NAVRONGO HDSS	Navrongo Health Research Centre P.O. Box 114 Navrongo, UER, Ghana Tel: +233 74222310 Fax: +233 74222320
FILABAVI HDSS	Faculty of Public Health Hanoi Medical University No 1, Ton That Tung, Dong Da Hanoi, Viet Nam Tel: +84 48523798 Fax: +84 45745070
MATLAB HDSS	HDSU ICDDR,B Mohakhali Dhaka-1212 Bangladesh
PURWOREJO HDSS	IKM Building 1st Floor, Faculty of Medicine, Gadjah Mada University, Yogyakarta 55281, Indonesia Tel/Fax: +62 274 565076; +62 274 548156
VADU HDSS	KEM Hospital Research Centre Rasta Peth, Pune 411011 Maharashtra, India Tel: +91 20 66037336 Fax: +91 20 26125603
UMEÅ CENTRE FOR GLOBAL HEALTH RESEARCH	Department of Epidemiology and Clinical Medicine Epidemiology and Global Health Umeå University 90185, Sweden Tel: +46 90 7853345 Fax: +46 90 138977

SECTION 5. PUBLICATIONS

TITLE	Ageing and adult health status in eight lower-income countries: the INDEPTH WHO-SAGE collaboration
AUTHORS	Paul Kowal, Kathleen Kahn, Nawi Ng, Nirmala Naidoo, Salim Abdullah, Ayaga Bawah, Fred Binka, Nguyen T.K. Chuc, Cornelius Debpuur, Alex Ezeh, F. Xavier Gómez-Olivé, Mohammad Hakimi, Siddhivinayak Hirve, Abraham Hodgson, Sanjay Juvekar, Catherine Kyobutungi, Jane Menken, Hoang Van Minh, Mathew A. Mwanayangala, Abdur Razzaque, Osman Sankoh, P. Kim Streatfield, Stig Wall, Siswanto Wilopo, Peter Byass, Somnath Chatterji and Stephen M. Tollman
PUBLISHER	Global Health Action
COPYRIGHT	Global Health Action 2010. © 2010 Paul Kowal et al. This is an Open Access article distributed under the terms of the Creative Commons Attribution- Noncommercial 3.0 Unported License (http://creativecommons.org/licenses/by-nc/3.0/), permitting all non-commercial use, distribution, and reproduction in any medium, provided the original work is properly cited.
CITATION	Global Health Action Supplement 2, 2010. DOI: 10.3402/gha.v3i0.5302
DOWNLOAD	
RELATIONSHIP	Global Health Action, Supplement 2, 2010
TITLE	Assessing health and well-being among older people in rural South Africa
AUTHORS	F. Xavier Gómez-Olivé, Margaret Thorogood, Benjamin D. Clark, Kathleen Kahn and Stephen M. Tollman
PUBLISHER	Global Health Action
COPYRIGHT	Global Health Action 2010. © 2010 F. Xavier Gómez-Olivé et al. This is an Open Access article distributed under the terms of the Creative Commons Attribution-Noncommercial 3.0 Unported License (http://creativecommons.org/licenses/by-nc/3.0/), permitting all non-commercial use, distribution, and reproduction in any medium, provided the original work is properly cited
CITATION	Global Health Action Supplement 2, 2010. DOI: 10.3402/gha.v3i0.2126
DOWNLOAD	
RELATIONSHIP	Global Health Action, Supplement 2, 2010

TITLE **Health status and quality of life among older adults in rural Tanzania**

AUTHORS Mathew A. Mwanyangala, Charles Mayombana, Honorathy Urassa, Jensen Charles, Chrizostom Mahutanga, Salim Abdullah and Rose Nathan

PUBLISHER Global Health Action

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CITATION Global Health Action Supplement 2, 2010. DOI: 10.3402/gha.v3i0.2142

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RELATIONSHIP Global Health Action, Supplement 2, 2010

TITLE **The health and well-being of older people in Nairobi's slums**

AUTHORS Catherine Kyobutungi, Thaddaeus Egondi and Alex Ezeh

PUBLISHER Global Health Action

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CITATION Global Health Action Supplement 2, 2010. DOI: 10.3402/gha.v3i0.2138

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RELATIONSHIP Global Health Action, Supplement 2, 2010

TITLE **Self-reported health and functional limitations among older people in the Kassena-Nankana District, Ghana**

AUTHORS Cornelius Debpuur, Paul Welaga, George Wak and Abraham Hodgson

PUBLISHER Global Health Action

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CITATION Global Health Action Supplement 2, 2010. DOI: 10.3402/gha.v3i0.2151

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AUTHORS Siddhivinayak Hirve, Sanjay Juvekar, Pallavi Lele and Dhiraj Agarwal

PUBLISHER Global Health Action

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TITLE **Health inequalities among older men and women in Africa and Asia: evidence from eight Health and Demographic Surveillance System sites in the INDEPTH WHO-SAGE study**

AUTHORS Nawi Ng, Paul Kowal, Kathleen Kahn, Nirmala Naidoo, Salim Abdullah, Ayaga Bawah, Fred Binka, Nguyen T.K. Chuc, Cornelius Debpuur, Thaddeus Egondi, F. Xavier Gómez-Olivé, Mohammad Hakimi, Siddhivinayak Hirve, Abraham Hodgson, Sanjay Juvekar, Catherine Kyobutungi, Hoang Van Minh, Mathew A. Mwanyangala, Rose Nathan, Abdur Razzaque, Osman Sankoh, P. Kim Streatfield, Margaret Thorogood, Stig Wall, Siswanto Wilopo, Peter Byass, Stephen M. Tollman and Somnath Chatterji

PUBLISHER Global Health Action

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CITATION Global Health Action Supplement 2, 2010. DOI: 10.3402/gha.v3i0.5420

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CITATION REQUIREMENT	INDEPTH WHO-SAGE (Study on global AGEing and Adult Health), 1.0.0. 2010; INDEPTH Network and World Health Organization.
ACCESS CONDITIONS	Public use files, accessible to all. Users may apply or process this data, provided INDEPTH Network HDSS Sites and WHO are acknowledged as the original source of the data; that it is specified that the application and/or analysis is the result of the user's independent processing of the data; and that neither the basic data nor any reprocessed version or application thereof may be sold or offered for sale in any form whatsoever without prior permission from INDEPTH Network and WHO.
REQUEST FOR ACCESS	Access the supplementary material are available online and by request. The INDEPTH WHO-SAGE questionnaire (including vignettes rotations), a data dictionary and a password-protected dataset (see Supplementary files under Reading Tools online) are available through GHA, INDEPTH and WHO. To obtain a password for the dataset, please send a request with 'SAGE data' as its subject, detailing how you propose to use the data, to global.health@epiph.umu.se . Alternately, go to the SAGE website at www.who.int/healthinfo/systems/sage/en/index.html , where the questionnaire and data dictionary are posted. Complete and submit a Users Agreement from this website to obtain a password to access the dataset.
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