

International Health Data, Bobray Bordelon

F1: Health Data: An International Comparative Deep Dive,
IASSIST 2017

OECD Health Statistics

- <http://www.oecd-ilibrary.org/content/datacollection/health-data-en>
- National health systems 1960+ for OECD member countries & select non-OECD countries (Brazil, China, Colombia, Costa Rica, India, Indonesia, Lithuania, Russia, South Africa)
- Summary level national statistics

OECD Health Statistics

- Examples of questions that can be answered:
 - Average length of stay by diagnostic category?
 - Discharge rates by diagnostic category?
 - Health insurance coverage by country?
 - Number of transplants & dialyses?
 - Pharmaceutical sales & consumption by country?
 - Potential years of life lost by medical condition?

OECD Health Statistics

The screenshot shows the OECD Health Statistics web page. At the top, the 'OECD iLibrary' logo is on the left, and a search bar with the text 'Search for publications and data' and a link to 'Advanced Search' is on the right. Below the logo are links for 'About', 'Contact Us', 'Alerts', and 'Help', followed by social media icons for Facebook, YouTube, LinkedIn, and Twitter. A navigation bar contains three tabs: 'Browse by Theme', 'Browse by Country', and 'Browse by Them'. Below this, a breadcrumb trail reads 'You are here: Home / Statistics / OECD Health Statistics'. The main heading is 'OECD Health Statistics'. To the left of this heading, it says 'English', 'ISSN: 2074-3963 (online)', and 'DOI: 10.1787/health-data-en'. To the right, it says 'Also available in French', 'Related Indicators: | v', 'Related Databases: | v', and 'Keywords: health, obese, statistics, obesity, overweight'. Below this is a section titled 'List of datasets' with a link to 'Hide / Show all Abstracts'. It contains a table with two columns: 'Mark' and 'Click to Access'. The table lists various health-related datasets, each with a checkbox in the 'Mark' column and a 'DATA' link with a circular icon in the 'Click to Access' column. The datasets listed are: Health status, Non-medical determinants of health, Health care resources, Health care utilisation, Health care quality indicators, Pharmaceutical market, Long-term care resources and utilisation, Health workforce migration, Health expenditure and financing (with an 'Expand / Collapse' link), Social protection, Demographic references, and Economic references.

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English
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Also available in French
Related Indicators: | v
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List of datasets

Hide / Show all Abstracts

Mark	Click to Access
<input type="checkbox"/> Health status	DATA
<input type="checkbox"/> Non-medical determinants of health	DATA
<input type="checkbox"/> Health care resources	DATA
<input type="checkbox"/> Health care utilisation	DATA
<input type="checkbox"/> Health care quality indicators	DATA
<input type="checkbox"/> Pharmaceutical market	DATA
<input type="checkbox"/> Long-term care resources and utilisation	DATA
<input type="checkbox"/> Health workforce migration	DATA
<input type="checkbox"/> Health expenditure and financing	Expand / Collapse
<input type="checkbox"/> Social protection	DATA
<input type="checkbox"/> Demographic references	DATA
<input type="checkbox"/> Economic references	DATA

United Kingdom Data Service – Health & Health Behaviour

- <https://www.ukdataservice.ac.uk/get-data/themes/health>
- Many long running as well as one time surveys including:
 - [Adult Dental Health Survey \(ADHS\)](#)
 - [Health Education Population Survey \(HEPS\)](#)
 - [Health and Lifestyle Survey \(HALS\)](#)
 - [Health Survey for England \(HSE\)](#)
 - [Welsh Health Survey \(WHS\)](#)
 - [Scottish Health Survey \(SHeS\)](#)
 - [Northern Ireland Health Survey](#)
 - [National Diet and Nutrition Surveys \(NDNS\)](#)

UK Data Service



- Used to evaluate population, health, & nutrition programs.
- National & sub-national data on family planning, maternal & child health, child survival, HIV/AIDS/sexually transmitted infections (STIs), infectious diseases, reproductive health, & nutrition. **Hint: Easiest way to see geography for a nation is to look at the corresponding report.**
- Microdata available free of charge by request (with a few exceptions).
- First check [characteristics and sample sizes](#). See the [model questionnaires](#) and the [recode manuals](#).

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View : ☐ Status ☒ Respondents ☐ Characteristics

Country/Year	Type	Implementing Organization	Female			Male			Households Sample	Facilities/ Communities Sample
			Resp.	Age	Sample	Resp.	Age	Sample		
Afghanistan										
Afghanistan 2015	Standard DHS	Central Statistics Organization (CSO) and Ministry of Public Health (MoPH)	Ever Married Women	15 - 49	29,461	Ever Married Men	15 - 49	10,760	24,395	NA
Afghanistan 2010	Special	Indian Institute for Health Management Research (IIHMR)	Ever Married Women	12 - 49	47,848	NA	NA	NA	22,351	NA
Albania										
Albania 2008-09	Standard DHS	Institute of Statistics (INSTAT) and Institute of Public Health (IShP)	All Women	15 - 49	7,584	All Men	15 - 49	3,013	7,999	NA

- See the [model questionnaires](#) and the [recode manuals](#).

- **CORE QUESTIONNAIRE**

[Phase 7 \(2013-2018\)](#)

[Phase 6 \(2008-2013\)](#)

[Phase 5 \(2003-2008\)](#)

[Phase 4 \(1997-2003\)](#)

[Phase 3 \(1992-1997\)](#)

[Phase 2 \(1988-1993\)](#)

[Phase 1 \(1984-1989\)](#)

DHS Model Questionnaires

- Eligibility generally
 - women of reproductive age (15-49)
 - men age 15-49, 15-54, or 15-59.
- Includes information on fertility, mortality, family planning, marriage, reproductive health, child health, nutrition, & HIV/AIDS.

Household Questionnaire

- **Household Schedule:** Usual members of the household & visitors: age, sex, relationship, education, parental survivorship & residence, & birth registration.
- **Household characteristics:** Source of drinking water, toilet facilities, cooking fuel, household assets, & exposure to 2nd-hand smoke.

Woman's Questionnaire (1 of 2)



- **Background characteristics:** Age, marital status, education, employment, media exposure, place of residence. **Note** income is not asked but there is a wealth index.
- **Reproductive behavior & intentions**
- **Contraception:** knowledge & use
- **Antenatal, delivery, & postnatal care**
- **Breastfeeding & nutrition**
- **Children's health**

Woman's Questionnaire (2 of 2)



- **Status of women:** women's empowerment, including decision making, autonomy, ownership of houses & land, barriers to medical care, and attitudes towards domestic violence.
- **HIV & other sexually transmitted infections:** knowledge of
- **Husband's background**
- **Other topics:** behavior related to environmental health, use of tobacco, & health insurance.

Man's Questionnaire

-
- **Background characteristics:** age, education, employment status, marital status, media exposure, & place of residence
 - **Reproduction**
 - **Knowledge and use of contraception**
 - **Employment & gender roles**
 - **HIV & other sexually transmitted infections:** knowledge of
 - **Other health issues:** circumcision, injections, tobacco, health insurance, and health & care for their children.

Biomarker Questionnaire

- **Anthropometry**
- **Anemia**
- **HIV:** Results completely anonymous & cannot be identified with the respondent. Blood sample is only collected from respondents who provide voluntary informed consent.

Optional Modules

Current

- Out-of-pocket Health Expenditures

Past

- Consanguinity
- Pill failure & behavior
- Sterilization Experience
- Women's Status

High Frequency DHS; Fairly up to date



Bangladesh (1993/94, 1996/97, 1999-2001, 2004, 2007, 2011, 2014)

Cambodia (1998, 2000, 2005, 2010, 2014)

Colombia (1986, 1990, 1995, 2000, 2005, 2010, 2015)

Dominican Republic (1986, 1991, 1996, 1999, 2002, 2007, 2013)

Egypt (1988, 1992, 1995-1997, 2000, 2003, 2005, 2008, 2014, 2015)

Ghana (1988, 1993, 1998, 2003, 2007-2008, 2014)

Indonesia (1987, 1991, 1994, 1997, 2002-2003, 2007, 2012)

Kenya (1989, 1993, 1998, 2003, 2008/09, 2014)

Madagascar (1992, 1997, 2003/04, 2008/09, 2011, 2013)

Malawi (1992, 1996, 2000, 2004, 2010, 2012-2016)

High Frequency DHS; Fairly up to date



Mali (1987, 1995/96, 2001, 2006, 2010, 2013)

Nigeria (1990, 1999, 2003, 2008, 2010, 2013)

Peru (1986, 1991/92, 1996, 2000, 2004-2012)

Philippines (1993, 1998, 2003, 2008, 2013)

Rwanda (1992, 2000, 2005, 2007/08, 2010, 2011, 2013, 2014/15)

Senegal (1986, 1992/93, 1997, 1999, 2005, 2006, 2008/09, 2010/11, 2012/13, 2014, 2015)

Tanzania (1991/92, 1994, 1996, 1999, 2003-2005, 2007/08, 2010-2012, 2015/16)

Zambia (1992, 1996, 2001/02, 2007, 2013/14)

Zimbabwe (1988, 1994, 1999, 2005/06, 2010/11, 2015)

Several rounds

Africa/Middle East: Benin, Burkina Faso, Burundi, Cameroon, Chad, Congo (Brazzaville), Cote d'Ivoire, Ethiopia, Guinea, Jordan, Lesotho, Liberia, Morocco, Mozambique, Namibia, Niger, Pakistan, Togo

Asia: Armenia, India, Nepal, Pakistan

Latin America/Caribbean: Bolivia, Brazil, Guatemala, Haiti

Many other nations have participated either 1-2 times or not participated recently

Restricted or Partially Restricted

Botswana (1988) (restricted)

Eritrea (1995, 2002) (restricted)

Mauritania (2000/01, 2003/04) (restricted)

Uganda (1988/89, 1995/96, 2000/01, 2004/05 (restricted),
2006, 2009, 2011)

Yemen (1991/92, 1997(restricted), 2013)



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- Also available through the Minnesota Population Center's Integrated Demographic & Health Series.
 - Registered DHS dataset users can create customized, pre-merged datasets.
 - Current [IDHS database](#) includes a subset of variables related to women of childbearing age and incorporates data from 90 samples from 21 countries. **More samples are coming!**

Other surveys from the DHS program - Service Provision Assessment (SPA)

- information on overall availability of different facility-based health services in a country & their readiness to provide those services.
- Bangladesh, Egypt, Ghana, Guyana, Haiti, Kenya, Malawi, Namibia, Nepal, Rwanda, Senegal, Tanzania, Uganda, Zambia

Other surveys from the DHS program

- HIV/AIDS Indicator Survey (AIS)

- Indicators for effective monitoring of national HIV/AIDS programs.
- Data is available on: HIV prevalence, indicators, and services; knowledge of HIV prevention, misconceptions, stigma, higher-risk sexual behavior; prevalence of HIV by demographic & behavioral characteristics.
- Congo (Brazzaville), Cote d'Ivoire, Guyana, Mozambique, Tanzania, Uganda, Vietnam

Other surveys from the DHS program

- Malaria Indicator Survey (MIS)

- Data on all internationally recognized malaria indicators; Additional information on indoor residual spraying
- Background data on characteristics of household members.
- Same malaria questions in standard [DHS](#), but shorter, stand-alone survey allowing for faster, less expensive monitoring of key malaria indicators.
- Biomarker testing for anemia & malaria can be included.
- Angola, Burkina Faso, Burundi, Kenya, Liberia, Madagascar, Malawi, Mali, Nigeria, Rwanda, Senegal, Uganda

Global Health Data Exchange

- Catalog of surveys, censuses, vital statistics, & other health-related data.
- Search by country, series, keyword, or data type

Contact Information

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