

## Research Team

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# HMD

*Human  
Mortality  
Database*

[www.mortality.org](http://www.mortality.org)

Free access to detailed mortality data

A joint project of



Department of Demography  
at the University  
of California



MAX PLANCK INSTITUTE  
FOR DEMOGRAPHIC  
RESEARCH

## Background

The Human Mortality Database (HMD) is the world's leading data resource on mortality in developed countries. More than 30,000 users worldwide have registered on the HMD website.

The HMD was created to provide detailed mortality and population data to researchers, students, journalists, policy analysts, and others interested in the history of human longevity. The project began as an outgrowth of earlier projects in the Department of Demography at the University of California, Berkeley, USA (UCB), and at the Max Planck Institute for Demographic Research in Rostock, Germany (MPIDR).

We have followed four guiding principles in constructing this database: comparability, flexibility, accessibility, and reproducibility.

## Types of data

The HMD contains data for (mostly) national populations, including:

- ▶ Population exposures and death counts at the finest detail available
- ▶ Original calculations of death rates and life tables, in a variety of formats

These indicators are computed on the basis of raw (input) data by means of a uniform set of methods. The input data consist of:

- ▶ Death counts from vital statistics
- ▶ Census counts
- ▶ Birth counts
- ▶ Population estimates from various sources

## The HMD website

You are welcome to download and analyze any data provided on [www.mortality.org](http://www.mortality.org) free of charge.

Example of country page:

**U.S.A.**

[Background and documentation](#)  
[Data sources](#)

**Complete Data Series [ Explanatory notes ]**

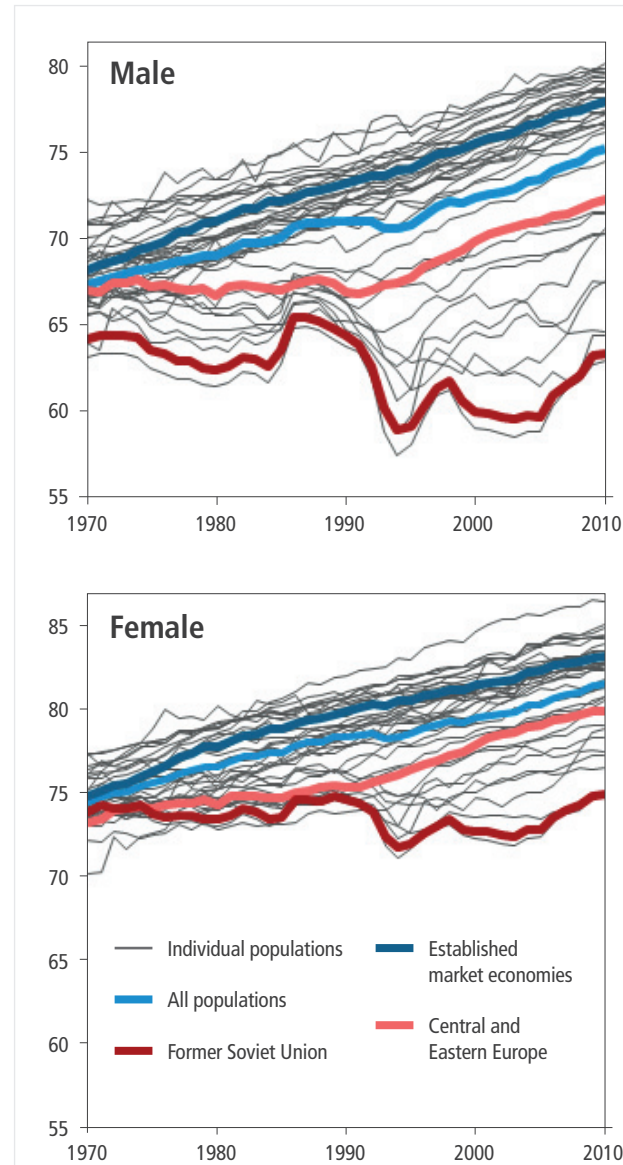
Period data	Available dates	Age Interval × Year Interval					
		1x1	1x5	1x10	5x1	5x5	5x10
Births	1933-2013	1 year					
Deaths	1933-2013	1x1	1x5	1x10	5x1	5x5	5x10
Deaths by Lewis triangles	1933-2013	Lewis					
Population size	1933-2013	1 year			5 year		
Exposures-to-risk	1933-2013	1x1	1x5	1x10	5x1	5x5	5x10
Death rates	1933-2013	1x1	1x5	1x10	5x1	5x5	5x10
Life tables	1933-2013						
Females		1x1	1x5	1x10	5x1	5x5	5x10
Males		1x1	1x5	1x10	5x1	5x5	5x10
Total (both sexes)		1x1	1x5	1x10	5x1	5x5	5x10
Life expectancy at birth	1933-2013	1 year	5 year	10 year			
Cohort data							
Exposures-to-risk	1933-1993	1x1	1x5	1x10	5x1	5x5	5x10
Death rates	1933-1993	1x1	1x5	1x10	5x1	5x5	5x10

**Input Data [ Explanatory notes ]**

	Available dates	Data	Lewis map
Births	1933-2013	txt	
Deaths	1933-2013	txt	html
Population size	1933-2013	txt	html
Territorial adjustment factors		txt	
Notes		pdf	
Reference file		pdf	

## Trends in life expectancy

Trends in life expectancy at birth by sex from 1970 to 2010 for HMD populations and population groups.



Source of the graph:  
Data Reference Profile: The human Mortality Database.  
Int. J. Epidemiol. (2015) doi: 10.1093/ije/dyv105

## Countries

As of March 2016 the database contains detailed population and mortality data for 38 countries (and some sub-populations):

Country/ Area	Period Life Tables	Cohort Life Tables
Australia	1921-2011	-
Austria	1947-2014	-
Belarus	1959-2014	-
Belgium	1841-2012	-
Bulgaria	1947-2010	-
Canada	1921-2011	-
Chile	1992-2005	-
Czech Republic	1950-2014	-
Denmark	1835-2011	1835-1920
Estonia	1959-2012	-
Finland	1878-2012	1878-1921
France	1816-2013	1816-1922
Germany	1990-2013	-
East Germany	1956-2013	-
West Germany	1956-2013	-
Greece	1981-2013	-
Hungary	1950-2009	-
Iceland	1838-2013	1838-1922
Ireland	1950-2014	-
Israel	1983-2014	-
Italy	1872-2012	1872-1921
Japan	1947-2012	-
Latvia	1959-2013	-
Lithuania	1959-2013	-
Luxembourg	1960-2014	-
Netherlands	1850-2012	1850-1921
New Zealand	1948-2013	-
New Zealand, Maori	1948-2013	-
New Zealand, Non-Maori	1901-2013	-
Norway	1846-2014	1846-1923
Poland	1958-2014	-
Portugal	1940-2012	-
Russia	1959-2014	-
Slovakia	1950-2014	-
Slovenia	1983-2014	-
Spain	1908-2012	-
Sweden	1751-2014	1751-1919
Switzerland	1876-2011	1876-1918
Taiwan	1970-2010	-
U.K.	1922-2013	-
U.K., England & Wales	1841-2013	1841-1922
U.K., Scotland	1855-2013	1855-1922
U.K., Northern Ireland	1922-2013	-
U.S.A.	1933-2013	-
Ukraine	1959-2013	-