

The Human Fertility Collection: Data Resource Profile

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INTRODUCTION

The Human Fertility Collection (HFC) is a part of the **Human Fertility Data Project**, a joint endeavour of the Max Planck Institute for Demographic Research (MPIDR) in Rostock, Germany and the Vienna Institute of Demography (VID) in Austria, which aims at providing free and user-friendly access to a variety of fertility data.

Main HFC features and advantages:

- Designed to supplement the Human Fertility Database (HFD, <u>www.humanfertility.org</u>);
- Incorporates fertility data that often do not meet the quality standards of the HFD;
- Features estimates from diverse data sources, including survey data and data estimated by individual researchers;
- Includes alternative indicators to official fertility estimates;
- Provides data in a standardized format;

HFC		HFD	
100	Countries	27	
1751-2015	Period: min-max	1891-2014	
Discontinuous	Data series	Continuous	
ASFR published by national statistical agencies or provided by individual researchers	Input data	Official data on live births and population counts originating from national statistical agencies	
Existence of vital registration / population surveys / census	Data requirements	Full coverage of vital statistics, high quality of official data	
Limited checking for basic internal /external consistency	Data quality checking	Exhaustive data quality checking and documentation	
Data provider/author	Responsibility	HFD-team	
Period ASFR, CPFR, TFR, MAB	Available indicators	Period and cohort birth counts, ASFR, fertility tables, and aggregated fertility indicators	
No	Data consistency	Comparable across countries and time	
On a rolling basis	Update	Annual/biannual	
110-140 countries	Foreseen expansion	45-50 countries	
Regional data; additional fertility dimensions	Coming soon	Australia, Croatia, Denmark, Greece, Ireland, Israel, Latvia, Luxembourg, Poland, South Korea, Spain	

• Allows flexibility in geographical and time coverage by including less developed countries and historical data.

The database is being updated on a rolling basis: adding new data and countries when they become available.

The HFC includes the following period fertility data (specified by birth order if available):

- Age-specific fertility rates (ASFR)
- Cumulative fertility rates (CPFR)

FAQ

- Total fertility rates (TFR)
- Mean ages at birth (MAB)

HFC WEBSITE: www.fertilitydata.org

Terms

Credits

Contact



Data

News

At present, data for **100 countries** are provided in the HFC. The HFC data can be downloaded either as a single zipped file for all countries or by country. Data for all birth orders combined and data by birth order are available for download separately. Please note that by downloading the HFC data you agree to be bound to *the terms of the user agreement*.

	Zipped da	ata files	
Indicator	A	ll birth orders combined	By birth order
ASFR and CPFR, standardized age scale	All	HFC data (5Mb)	All HFC data (6.3Mb)
ASFR, original age scale	All	HFC data (2.1Mb)	All HFC data (2.8Mb)
Total fertility rate and mean age at birth		HFC data (120.7Kb) raphs]	All HFC data (127.4Kb)
References	Notes	Codes used in H	FC

Albania	Croatia	Iceland	Micronesia	Seychelles
American Samoa	Cuba	India	Moldova	Singapore
Argentina	Cyprus	Indonesia	Mongolia	Slovakia
Armenia	Czech Republic	Iran	Montenegro	Slovenia
Aruba	Czechoslovakia	Ireland	Netherlands	Spain
Australia	Denmark	Israel	New Zealand	Sri Lanka
Austria	Egypt	Italy	Norway	Sweden
Azerbaijan	Estonia	Japan	Pakistan	Switzerland
Bahamas	Faroe Island	Jordan	Palau	Taiwan
Bahrain	Fiji	Kazakhstan	Panama	Thailand
Bangladesh	Finland	Kosovo	Philippines	Tunisia
Belarus	France	Latvia	Poland	Turkey
Belgium	Georgia	Liechtenstein	Portugal	UK, England and Wales
Bosnia and Herzegovina	Germany	Lithuania	Qatar	UK, Northern Ireland
Brazil	Germany, East	Luxembourg	Republic of Korea	UK, Scotland
Bulgaria	Germany, West	Macedonia	Romania	Ukraine
Canada	Greece	Malaysia	Russia	United Kingdom
Chile	Greenland	Malta	San Marino	Uruguay
China	Hong Kong	Mauritius	Serbia	USA
Costa Rica	Hungary	Mexico	Serbia and Montenegro	Yugoslavia

HFC COUNTRY DATA PAGE

Three types of **data files** are available on the country data page:

- Pooled (multiple-source) data files (standardized ASFR and CPFR, with a fixed age scale; TFR and MAB);
- *Single-source data files* include original ASFR, with an original age scale;
- *Raw data files* present data as

Muman Fertility Collection UK, ENGLAND AND WALES Indicator Pooled Data Files Indicator All birth orders combined By birth order ASFR and CPFR, standardized age scale 1891, 1901, 1911-1999, 2001 1938-2007 Total fertility rate and mean age at 1891, 1901, 1911-1999, 2001 1938-2007

Data by country Methods Data Formats

Total fertility rate and mean age at birth	1891, 1901, 1911-1999, 2001- 2007 [graphs]		1938-2007	
R	References	Notes		
	Data by sour	rce		

Source	Source type	All birth orders combined	By birth order
European Demographic Observatory (ODE). Data collection submitted to the HFC by Jean-Paul Sardon, 2011.	research estimates	1938-1999, 2001-2007	1938-2007
Festy, P. (1979). La fécondité des pays occidentaux de 1870 a 1970 [Fertility in Western Countries (1870-1970)]. INED: Travaux et Documents Cahier nr. 85 Presses Universitaires de France.	research estimates	1911-1975	
Office of Population Censuses and Surveys (1984). Birth Statistics. Historical Series of Statistics from Registrations of Births. Series FM1(13). London: Office of Population Censuses and Surveys. Data accessed at INED (library) in February 2014 (S3G1973 FM1).	vital statistics	1938-1983	
Haines, M.R. (1990). Western fertility in mid-transition: fertility and nuptiality in the United States and selected nations at the turn of the century. <i>Journal of Family History</i> . 1990: 15-23. Data downloaded on 30.07.2014.	research estimates	1891, 1901, 1911, 1921	
General Register (1947). Statistical Review of England and Wales for the Years 1938 and 1939. London: His Majest's Stationary Office. Data accessed at INED (library) in May 2015 (S3 G 1938- 1939).	vital statistics	1911-1939	

they were published in the original data source. These files are based on different formats, including downloadable Excel tables and PDF files.

The *graphs* with TRF and MAB are provided to graphically illustrate the trends in these indicators.

HFC DATA SOURCES AND DATA AVAILABILITY

The HFC provides fertility data assembled from various sources:

- National statistical offices;
- Statistical and other scientific publications;
- Data collections of individual researchers and research organizations (e.g., ODE -European Demographic Observatory collection);
- Large surveys (e.g., Bangladesh, Egypt, Indonesia, Jordan, Pakistan, Philippine, Thailand);
- Data constructed by other researchers from various sources (Austria, Brazil, India, Italy, USA).

Data for **100** countries and areas are currently provided in the HFC. Data for all birth orders combined can be found since 1751 (Sweden), and the earliest year for which birth order-specific data are available is 1917 (USA).

GEOGRAPHIC COVERAGE



Time coverage in the HFC:



HFC TEAM, MPIDR



MAX PLANCK INSTITUTE

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