

Long-range World Population Projections: Based on the 1998 Revision DATA IN DIGITAL FORM

The *Long-range World Population Projections*, prepared by the United Nations Population Division, extend the estimates and projections published in *World Population Prospects: The 1998 Revision* from 1950-2050 to 1950-2150. Results are presented for the world as a whole and for six major areas and two large countries: Africa; Asia excluding China and India; Europe; Northern America; Oceania; China, and India.

Thirteen scenarios of future population change are included for each of these eight units.

The **five** key scenarios are:

- the *medium-fertility scenario*, in which fertility in all major areas stabilizes at replacement level (i.e. at slightly over 2 children per woman) by 2050 or thereafter;
- the *low-fertility scenario*, in which fertility is lower than in the medium-fertility scenario by about 0.5 child per woman after 2050;
- the *low-medium fertility scenario*, in which fertility is lower than in the medium fertility scenario by about 0.2 children per woman after 2050;
- the *high-medium fertility scenario*, in which fertility is higher than in the medium-fertility scenario by is about 0.2 children per woman after 2050;
- the *high-fertility scenario*, in which fertility is higher than in the medium-fertility scenario by about 0.5 children per woman after 2050.

Two illustrative scenarios are also presented:

- a *constant-fertility scenario*, in which fertility is maintained constant over the period 1995-2150 at the level of 1990-1995, and
- an *instant-replacement fertility scenario*, in which fertility in each major area is assumed to drop instantly to replacement level in 1995 and remain at that level through 2150.

In each of **these seven** scenarios mortality is assumed to decline steadily during the projection period. For illustrative purposes, **six additional** scenarios are presented in which fertility follows the same path as in the scenarios described above but mortality remains constant over lengthy periods. Thus, the fertility of the low, medium, high and constant fertility scenarios is combined with constant mortality as of 2050, and the fertility of the low-medium and high-medium scenarios is combined with constant mortality as of 2025.

The results of the long-range projections are available for purchase in digital form. They are organized into three Excel 97 files distributed on 3.5 inch, 1.44 MB diskettes for PCs. At least 12 MB of free disk space are necessary for installation. The installation program copies the files onto the default folder C:\UN_LongRange98. The user can change the name of the default folder at the time of installation. The installation program also copies a file containing the Executive Summary of the publication entitled *Long-range World Population Projections: Based on the 1998 Revision*.

Each Excel file contains results for 1950-2150 for the thirteen scenarios and for each of the eight geographical units (World; Africa; Asia excluding China and India; Europe; Northern America; Oceania; China, and India). The contents of the three Excel files are:

- *Demographic Indicators.* Includes the 11 demographic indicators listed in table 1 for five-year periods from 1950-1955 through 2145-2150. Indicators for each scenario are presented in a separate worksheet. The file name is Indicators_LR98.xls.
- *Total Population.* Total population at five-year intervals from mid-1950 (1-July-1950) through mid-2150 (1-July-2150). The results of each scenario are in a separate worksheet. The file name is PopTot_LR98.xls.
- *Population by Age and Sex.* Population by sex and five-year age groups to 80 years or over for 1950-1990 and to 100 years or over for 1995-2150, at five year intervals from mid-1950 to mid-2150. The results for each scenario are presented in a separate worksheet. The file name is PopAgeSex_LR98.xls .

The following citation should be used to indicate the source of any data derived from the data sets described above:

Population Division of the Department of Economic and Social Affairs of the United Nations Secretariat (2000). *Long-range World Population Projections: Based on the 1998 Revision* (POP/DB/LRP/Rev.1998), data set in digital form.

Table 1. Description of the indicators contained in the file Indicators_LR98.xls

<i>Type of indicator</i>	<i>Sequence number</i>	<i>Name of indicator</i>	<i>Unit of measurement</i>
Period indicators	1	Number of births	in thousands per five-year period
	2	Number of deaths	in thousands per five-year period
	3	Crude birth rate	per 1,000
	4	Crude death rate	per 1,000
	5	Rate of natural increase	per 1,000
	6	Annual rate of population growth	percentage
	7	Net reproduction rate	per woman
	8	Total fertility rate	per woman
	9	Male life expectancy at birth	in years
	10	Female life expectancy at birth	in years
	11	Life expectancy at birth for both sexes combined	in years



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POPULATION DIVISION
Department of Economic and Social Affairs

Long-range World Population Projections: Based on the 1998 Revision
Data in Digital Form

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2. While supplies last, purchasers of data on diskette will receive a free copy of the report entitled Long-range World Population Projections: Based on the 1998 Revision.

3. The order form should be accompanied by a cheque or an international money order in US dollars drawn on a United States Bank for the correct amount, payable to the UNITED NATIONS POPULATION DIVISION and mailed to: The Director, Population Division/DESA, United Nations, DC2-1950, New York, NY 10017, U.S.A.