

### Table 7 – Demographic Yearbook 2006

Table 7 presents population by age, sex and urban/rural residence for the latest available year.

Description of variables: Data in this table are either population census figures or estimates, some of which are based on sample surveys. Data refer to the de facto population unless otherwise noted.

The reference date of the census or estimate appears in the stub of the table. In general, the estimates refer to mid-year (1 July).

Age is defined as age at last birthday, that is, the difference between the date of birth and the reference date of the age distribution expressed in completed solar years. The age classification used in this table is the following: under 1 year, 1-4 years, 5-year groups through 95-99 years, and 100 years or over.

Statistics are presented for one year, the most recent available. However, if more complete disaggregation is available for an earlier year, both are displayed.

The urban/rural classification of population by age and sex is that provided by each country or area; it is presumed to be based on the national census definitions of urban population that have been set forth at the end of the technical notes to table 6.

Estimates of population by age and sex presented in this table have been limited to countries or areas for which estimates have been based on the results of a sample survey or have been constructed by the component method from the results of a population census or sample survey. Estimations derived from distributing estimated total population according to percentages in each age-sex group at the time of a census or sample survey are not included in this table.

Reliability of data: Estimates which are believed to be less reliable are set in *italics* rather than in roman type. No attempt has been made to take account of age-reporting accuracy, the evaluation of which has been described in section 3.1.3 of the Technical Notes. However, the Whipple's Index presented in table 1c of the Demographic Yearbook Special Census Topic Volume 1 (Basic population characteristics) provides an assessment of age heaping for 145 countries for censuses being held between 1985 and 2003.

Limitations: Statistics on population by age and sex are subject to the same qualifications as have been set forth for population statistics in general and age distributions in particular, as discussed in sections 3 and 3.1.3, respectively, of the Technical Notes.

Comparability of population data classified by age and sex is limited by variations in the definition of total population, discussed in detail in section 3 of the Technical Notes, and by the accuracy of the original enumeration. Both factors are more important in relation to certain age groups than to others. For example, under-enumeration is known to be more prevalent among infants and young children than among older persons. Similarly, the exclusion from the total population of certain groups that tend to be of selected ages (such as the armed forces) can markedly affect the age structure and its comparability with that for other countries or areas. Consideration should be given to the implications of these basic limitations in using the data.

In addition to these general qualifications are the special problems of comparability that arise in relation to age statistics in particular. Age distributions of population are known to suffer from certain deficiencies that have their origin in irregularities in age reporting. Although some of the irregularities tend to be obscured or eliminated when data are tabulated in five-year age groups rather than by single years, precision still continues to be affected, though the degree of distortion is not always readily seen.

Another factor limiting comparability is the age classification employed by the various countries or areas. Age may be based on the year of birth rather than the age at last birthday, in other words, calculated using the day, month and year of birth. Distributions based only on the year of birth are footnoted when known.

The absence of frequencies in the unknown age group does not necessarily indicate completely accurate reporting and tabulation of the age item. The unknowns may have been eliminated by assigning ages to them before tabulation, or by proportionately distributing the unknown category across the age groups after tabulation.

As noted in connection with table 5, intercensal estimates of total population are usually revised to accord with the results of a census of population if inexplicable discontinuities appear to exist. Postcensal age-sex distributions, however, are less likely to be revised in this way. When it is known that a total population estimate for a given year has been revised and the corresponding age distribution has not been, the age distribution is shown as provisional. Distributions of this type should be used with caution when studying trends over a period of years, though their utility for studying age structure for the specified year is probably unimpaired.

The comparability of data by urban/rural residence is affected by the national definitions of urban and rural used in tabulating these data. When known, the definitions of urban used in national population censuses are presented at the end of the technical notes for table 6. As discussed in detail in the technical notes for table 6, these definitions vary considerably from one country or area to another.

Earlier data: Population by age, sex and urban/rural residence has been shown in previous issues of the *Demographic Yearbook*. For more information on specific topics, and years for which data are reported, readers should consult the Historical Index. In addition, population by single years of age, sex and urban/rural residence are shown in the *Demographic Yearbook* Special Census Topics table 1 available online at <http://unstats.un.org/unsd/demographic/products/dyb/dybcens.htm>.