

### **Table 18 - Demographic Yearbook 2012**

Table 18 presents deaths and crude death rates by urban/rural residence for as many years as possible between 2008 and 2012.

Description of variables: Death is defined as the permanent disappearance of all evidence of life at any time after live birth has taken place (post-natal cessation of vital functions without capability of resuscitation).

Statistics on the number of deaths are obtained from civil registers unless otherwise noted. For those countries or areas where civil registration statistics on deaths are considered reliable (estimated completeness of 90 per cent or more), the death rates shown have been calculated on the basis of registered deaths.

The urban/rural classification of deaths 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 for table 6.

For certain countries, there is a discrepancy between the total number of deaths shown in this table and those shown in subsequent tables for the same year. Usually this discrepancy arises because the total number of deaths occurring in a given year is revised although the remaining tabulations are not.

Rate computation: Crude death rates are the annual number of deaths per 1 000 mid-year population.

Rates by urban/rural residence are the annual number of deaths, in the appropriate urban or rural category, per 1 000 corresponding mid-year population. These rates are calculated by the Statistics Division of the United Nations based on the appropriate reference population (for example: total population, nationals only etc.) if known and available. If the reference population is not known or unavailable the total population is used to calculate the rates. Therefore, if the population that is used to calculate the rates is different from the correct reference population, the rates presented might under- or overstate the true situation in a country or area.

Rates presented in this table are limited to those countries or areas with a minimum number of 30 deaths in a given year.

Reliability of data: Each country or area has been asked to indicate the estimated completeness of the deaths recorded in its civil register. These national assessments are indicated by the quality codes "C", "U" and "I" that appear in the first column of this table. "C" indicates that the data are estimated to be virtually complete, that is, representing at least 90 per cent of the deaths occurring each year, while "U" indicates that data are estimated to be incomplete that is, representing less than 90 per cent of the deaths occurring each year. The code "I" indicates that the source of data is different than civil registration and is explained by a footnote. The code "..." indicates that no information was provided regarding completeness or no assessment has been done in the country.

Data from civil registers that are reported as incomplete or of unknown completeness (code "U" or "...") are considered unreliable. They appear in italics in this table; rates based on these data are not computed.

Limitations: Statistics on deaths are subject to the same qualifications as have been set forth for vital statistics in general and death statistics in particular as discussed in section 4 of the Introduction.

The reliability of the data, an indication of which is described above, is an important factor in considering the limitations. In addition, some deaths are tabulated by date of registration and not by date of occurrence; these have been indicated with a plus sign "+". Whenever the lag between the date of occurrence and date of registration is prolonged and, therefore, a large proportion of the death registrations are delayed, death statistics for any given year may be seriously affected. However, delays in the registration of deaths are less common and shorter than in the registration of live births.

International comparability in mortality statistics may also be affected by the exclusion of deaths of infants who were born alive but died before the registration of the birth or within the first 24 hours of life. Statistics of this type are footnoted.

In addition, it should be noted that rates are affected also by the quality and limitations of the population estimates that are used in their computation. The problems of under-enumeration or over-enumeration and,

to some extent, the differences in definition of total population have been discussed in section 3 of the Introduction dealing with population data in general, and specific information pertaining to individual countries or areas is given in the footnotes to table 3.

Estimated rates based directly on the results of sample surveys are subject to considerable error as a result of omissions in reporting deaths or as a result of erroneous reporting of those that occurred outside the period of reference. However, such rates do have the advantage of having a "built-in" and corresponding base.

It should be emphasized that crude death rates -- like other crude rates, such as of birth, marriage and divorce -- may be seriously affected by the age-sex structure of the populations to which they relate. Nevertheless, they do provide a simple measure of the level and changes in mortality.

The comparability of data by urban/rural residence is affected by the national definitions of urban and rural used in tabulating these data. It is assumed, in the absence of specific information to the contrary, that the definitions of urban and rural used in connection with the national population census were also used in the compilation of the vital statistics for each country or area. However, it cannot be excluded that, for a given country or area, different definitions of urban and rural are used for the vital statistics data and the population census data respectively. 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.

In addition to problems of comparability, vital rates classified by urban/rural residence are also subject to certain types of bias. If, when calculating vital rates, different definitions of urban are used in connection with the vital events and the population data and if this results in a net difference between the numerator and denominator of the rate in the population at risk, then the vital rates would be biased. Urban/rural differentials in vital rates may also be affected by whether the vital events have been tabulated in terms of place of occurrence or place of usual residence. This problem is discussed in more detail in section 4.1.4.1 of the Introduction.

Earlier data: Deaths and crude death rates have been shown in each issue of the Demographic Yearbook. For information on specific years covered, the reader should consult the Index.