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United Nations *Demographic Yearbook* review

National reporting of mortality data

Implications for international recommendations

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NOTE

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Symbols of United Nations documents are composed of capital letters combined with figures.

The term “country” as used in the text of this report also refers, as appropriate, to territories or areas.

This report has been issued without formal editing.

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Preface

United Nations *Demographic Yearbook* review technical reports

The present report, on national reporting of mortality data, is one of a series of technical reports reviewing the United Nations *Demographic Yearbook* system. The system is designed to collect, store and disseminate official national demographic and social statistics at the international level, and provides a selection of these data to a wide range of users through print publications, such as the annual *Demographic Yearbook*, CD Rom on special topics¹, and the Internet².

Earlier drafts of these technical reports served as input to the United Nations Expert Group Meeting to Review the *Demographic Yearbook* System³ which aimed to assess the continued relevance and responsiveness of the system to the emerging needs of a variety of users. Information on the Expert Group Meeting can be found on the website of the United Nations Statistics Division at http://unstats.un.org/unsd/demographic/workshop/EGM_dyb/index.htm. The reports review the instruments used by the *Demographic Yearbook* system to collect data from national statistical offices in terms of how well they adhere to relevant international guidelines in terms of concepts, definitions and classifications used.

Furthermore, the technical reports review the experience of countries with regard to reporting of the requested data to the *Demographic Yearbook* system for the period 1961 to 2000, and relate national practices with respect to classifications to relevant international recommendations for the topics being reported. The main international recommendations that are the focus of the assessment are, as appropriate, the *Principles and Recommendations for Population and Housing Censuses, Revision 1*⁴, the *Principles and Recommendations for a Vital Statistics System, Revision 2*⁵, and *Recommendations on Statistics of International Migration, Revision 1*⁶.

The reviews, as well as the discussion at the Expert Group Meeting, have highlighted a number of issues including the fact that the questionnaires for the

¹ Two CD-ROMs have so far been issued: the *Demographic Yearbook Historical Supplement*, which presents demographic statistics for the period 1948 to 1997, and the *Demographic Yearbook: Natality Statistics*, which contains a series of detailed tables dedicated to natality and covering the period 1980 to 1998.

² For example, data on capital cities and cities with population of 100,000 or more are available at <http://www.un.org/depts/unsd/demog/index.html>; and, data from the *Population and Vital Statistics Report* are available to subscribers at <http://unstats.un.org/unsd/seriesa/index.asp>.

³ Held in November 2003, in New York.

⁴ United Nations publication, Sales No. E.98.XVII.8.

⁵ United Nations publication, Sales No. E.01.XVII.10.

⁶ United Nations publication, Sales No. E.98.XVII.14.

Demographic Yearbook system need to be reviewed and revised to bring them in line with international guidelines in terms of concepts and classifications used as well as the content of the tables. Furthermore, the review of reported data based on the experience of previous censuses has pointed to the need for a review and updating of international recommendations.

At its thirty-fifth session, the United Nations Statistical Commission⁷ recommended the formation of an Expert Group to consider critical issues related to planning the 2010 round of population and housing censuses, and to set plans for a world programme including use of common definitions, concepts, classifications, tabulations and dissemination mechanisms for population and housing censuses. This mandate requires a review and possible revision or supplementation of the current census recommendations which were developed for the 2000 census round. These technical reports contribute to that review. They also provide some indication of the capacity of countries and areas to report their national data to the *Demographic Yearbook* system.

⁷ *Report on the thirty-fifth session (2-5 March 2004)*. Economic and Social Council, Official Records 2004, Supplement No. 4. E/2004/24: E/CN.3/2004/33.
<http://unstats.un.org/unsd/statcom/doc04/report-submitted.pdf>; paragraph 2 (a).

Executive summary

The report aims to assess the effectiveness of the *Demographic Yearbook* system in the collection and dissemination of official national mortality statistics. Effectiveness is judged by (a) comparing the *Demographic Yearbook* questionnaires on mortality with the United Nations principles and recommendations with respect to concepts, definitions, classifications and tabulations; (b) assessing the level of response for the period 1961-2002 to each mortality table and (c) reviewing the pattern of dissemination of mortality data since the *Demographic Yearbook* was first issued in 1948.

Several observations have emerged from this review in three broad areas: the conformity of the *Demographic Yearbook* questionnaires with the latest United Nations principles and recommendations in terms of definitions, classifications, recommended set of tables; the levels and trends in country responses to the *Demographic Yearbook* questionnaires; and frequency of dissemination of mortality statistics.

The report notes that while in some cases the questionnaires do not conform entirely to the United Nations principles and recommendations on population censuses and on vital statistics, in consideration for emerging issues, the recommendation need updating to reflect such concerns. For example with regard to the age classification, the upper age cut-offs need to be reviewed to reflect the latest emerging concerns with ageing populations. The report also shows that the *Demographic Yearbook* questionnaires contain a number of tables that are either not consistent with the recommendations or not recommended in the latest United Nations principles and recommendations. Tables in the *Demographic Yearbook* questionnaires that are not in the list of tables recommended by the latest United Nations principles and recommendations would therefore need to be reconsidered.

As regards the level of response, although most countries/areas have reported mortality data on various topics at least once from 1961 to 2002, there are significant variations by tables. For example, the response rate on infant deaths data is lower than that on deaths. In addition, the response rate is much lower when deaths and infant deaths are cross-classified by additional explanatory variables such as sex and urban/rural residence than for tables without the additional variables. The trend of the response rate varied by geographical regions and by mortality topics. In general, both Asia and Europe have increasing numbers of responding countries within the region. Other geographical regions, such as Africa, North America and Oceania, are observed to have a decreasing number of responding countries.

The report also reveals that although the most mortality data collected through the *Demographic Yearbook* questionnaires have been disseminated either regularly or a few times through the *Demographic Yearbook*, data for a number of tables, such as deaths of males by age and occupation and deaths by month of occurrence, have not recently been disseminated. Two alternative solutions are suggested in the report: to publish those data in a *Demographic Yearbook* special issue on mortality as soon as possible, or to remove corresponding tables from the mortality data collection.

Chapter 1 Introduction

1. The objective of this report is to review the *Demographic Yearbook* system's *collection*, compilation and dissemination of mortality data, assess the efficacy of the process and suggests ways of improving its effectiveness. The report reviews mortality variables cross-classified by various social and demographic characteristics such as age, sex, and marital status, etc., and variables, such as children ever born and children surviving to the female population 15 years of age and above, used for indirect estimation of the level and trend of mortality.

2. These variables are included in two of the six questionnaires – *Vital Statistics Questionnaire* and *Population Census Questionnaire* - that the Statistics Division sends out to national statistical offices on a regular basis. The other four questionnaires are on:

- Population estimates
- International migration and travel statistics
- Population Census -Economic characteristics
- Population Census - Household characteristics

The questionnaires on *Vital Statistics*, the *Population Estimates*, and *International Migration and Travel Statistics* are dispatched to national statistical offices on a yearly basis. The three remaining questionnaires, which are on the population census, are sent to those countries that are known to have completed a population and housing census.

3. The cause of death is collected by the World Health Organization (WHO) and disseminated by United Nations Statistics Division, and is therefore only analysed in the context of data dissemination.

4. The second section of the report examines differences between the definitions and classifications used in the questionnaires and those recommended by the United Nations *Principles and Recommendations for a Vital Statistics System (1953, 1973 and 2001)* and the 1998 *Principles and Recommendations for Population and Housing Censuses* and highlights the inconsistencies. It focuses primarily on two aspects: (a) how the two *Demographic Yearbook* questionnaires – *Vital Statistics Questionnaire* and *Population Census Questionnaire* compare with the most recent recommendations issued by the Statistics Division; and (b) how consistent the two questionnaires are with respect to the definitions and classifications used.

5. The third section examines how the specification of the 15 tables relevant to the study of mortality compare with the United Nations recommendations - United Nations *Principles and Recommendations for a Vital Statistics System, Revision 2 (ST/ESA/STAT/SER.M/19.Rev.2)* and *Principles and Recommendations for Population and Housing Censuses*

(ST/ESA/STAT/SER.M/67.Rev.1) - on tabular presentations in national data compilation and dissemination of mortality statistics.

6. The fourth section assesses the frequency of responses by countries to mortality Demographic Yearbook questionnaires. These analyses indicate areas of weakness in the national and international statistical system and points to ways in which response rates might be improved.

7. Section five reviews mortality tables disseminated from the first *Demographic Yearbook* 1948 to 2000. The tables from both the regular issues of *Demographic Yearbook* and *Demographic Yearbook* with special topic on mortality are discussed in the context of the frequency and intervals at which data on the topics are disseminated.

Chapter 2 Definitions and classifications used in the Demographic Yearbook Questionnaires

Definitions

8. *Deaths.* In the Vital Statistics questionnaire death is defined as follows: all deaths which occur any time after live birth. Foetal deaths are therefore excluded. This definition is not precise and oversimplifies the underlying issues. In the 1953 *Principles for a Vital Statistics System*, and the 1973 and 2001 *Principles and Recommendations for a Vital Statistics System* death is defined as:

“... is 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) (This definition excludes foetal deaths)” (United Nations, 1953, Page 6; United Nations, 1973, Para. 46; United Nations, 2001, Para.57)

For internal consistency, the definition of death used in the *Demographic Yearbook* questionnaire on Vital Statistics should be brought into line with the present recommendations.

9. *Occupation* in the footnote to table 17 of the *Vital Statistics Questionnaire* as the trade, profession, or type of work performed by the individual. Thus should be modified to be in accordance with the definition presented in the 2001 recommendations, which states that:

“Occupation refers to the kind of work done during the calendar year preceding the year of occurrence of the vital events by the person employed (or performed previously by the unemployed), irrespective of the industry, the status in employment and sector (as employer employee etc.) in which the person should be classified.” (United Nations, 2001, Para. 206)

10. *Urban/rural residence*, according to the United Nations *Principle and Recommendations for a Vital Statistics System, Revision 2* (Para. 100), refers to the concept of usual residence. It is the place of usual residence for the deceased in tables for death; it is the place of residence of the mother for infant deaths.

11. For tables in the Vital Statistics Questionnaire that involve urban/rural residence, a note needs to be provided to indicate it is the place of usual residence that should be reported, to reduce possible confusion and increase comparability between countries or areas. Both table 1 and table 15 in the Vital Statistics Questionnaire refer to urban/rural residence.

12. One table on mortality in the Population Census questionnaire – children living with female population – includes the place of residence variable. In this table, either “place of usual residence” or “place where present at time of census”

could be considered. It is important to identify, however, the concept countries or areas adopted in their censuses. Therefore, it might be appropriate if the definitions for both terms were stated in the questionnaire, either in the introduction of the entire questionnaire, or in specific tables what involve the “place of residence” variable.

Classifications

13. *Age.* Inconsistencies in age classifications, between the United Nations *Recommendations* (United Nations, 2001) and tables in the *Demographic Yearbook* questionnaires, predominate (Table 1).

Table 1. Age classifications recommended in the United Nations Recommendations^{1,2} and those used in mortality tables in the *Demographic Yearbook* questionnaires

	Recommended (United Nations, 1998 and 2001)	Adopted in the <i>Demographic Yearbook</i> Questionnaires
Age at death (other than infant deaths)	1) under 1 year 2) single years to 4 years 3) 5-year age groups to 99 years 4) 100 years and above	Vital Statistics Questionnaire Table 15: Consistent with recommended classifications
Age at death by marital status	1) under 15 years 2) 5-year age groups to 84 3) 85 years and above	Vital Statistics Questionnaire Table 16: 1) Under 15 years 2) 5-year age groups to 99 3) 100 years and over
Age at death by occupation	1) under 15 years 2) 5-year age groups to 74 3) 75 years and above	Vital Statistics Questionnaire Table 17: 1) Under 15 years 2) 5-year age group to 64 3) 65 years and above
Age of infant at death	1) under 1 day 2) single days through 6 days 3) 7-13 days 4) 14-20 days 5) 21-27 days 6) 28 days to under 2 months 7) single months of life from 2 months to 11 months inclusive	Vital Statistics Questionnaire Table 19: consistent with recommended classifications
Age of female by number of children ever born and living	1) 5-year age groups from 15 to 84 2) 85 years and above	Population Census Questionnaire Table 14: 1) 5-year age groups from 15 to 74 2) 75 years and above

The analysis of Table 1 the following recommendations could be provided in regarding to the age classifications:

- Certain age classifications used in *Demographic Yearbook* questionnaires need to be modified to be consistent with United Nations recommendations: 1) the classifications of age of deceased by marital status in Table 16 and the age of the deceased by occupation in Table 17 of the Vital Statistics Questionnaire need to be reviewed; 2) the classifications of the age of female 15 years of age and over by number of children born living in Table 14 of the Population Census Questionnaire need to be modified accordingly, as shown in Table 1.
- Due to growing concerns over the ageing population in the world, it might be preferable that current recommendations be reviewed to have age groups at older ages. For example, the age at death by marital status might be extended to 100 years and over for the oldest age group.

14. *Marital status.* It is recommended in the *Principle and Recommendations for a Vital Statistics System, Revision 2* that marital status be identified using the

following categories: (a) single (never married); (b) lawfully married; (c) religious married, consensual union and customary union; (d) widowed and not remarried; (e) divorced and not remarried; and (f) married but legally separated. (United Nations, 2001, Para. 168) The marital status classifications in table 16 of the *Vital Statistics questionnaire* (deaths by age and marital status) have the same 6 categories, with an additional “not stated” category. The terminologies and the corresponding explanations in the table, however, are not stated using the latest recommendations. More specifically, category (b) “lawfully married” in the recommendations is stated in table 16 as “married exclusive of consensually married” and the category (c) in the recommendations is stated as “consensually married”. Note that for the review of mortality tables, only table 16 in the questionnaire involves marital status. It is recommended that the marital status classifications be carefully reviewed, especially the questionable combination of religious married and consensual union in category (c).

15. *Occupation.* There is one table - table 17 (deaths by age, sex and occupation) in the Vital Statistics questionnaire that involves the occupation variable. The classifications for occupation in this table are inconsistent with the latest International Standard Classification of Occupations (ISCO-88). Occupational classifications in the Vital Statistics questionnaire still refer to the older version of the *International Standard Classification of Occupations (ISCO-68)*. The major occupation groups specified in table 17 of Vital Statistics questionnaire and in ISCO-88 are listed in the following table:

Table 2. Occupational groups in the Vital Statistics Questionnaire compared with ISCO-88

<u>Occupation groups in table 17 of Vital Statistics questionnaire (derived from ISCO-68)</u>	<u>Occupation groups in ISCO-88 *</u>
0/1. Professional, technical and related workers	1.Legislators, senior officials and managers
2. Administrative, managerial	2.Professionals
3. Clerical and related workers	3.Technicians and associate professionals
4. Sales workers	4.Clerks
5. Service workers	5.Service workers and shop and market sales workers
6. Agricultural, animal husbandry and forestry workers, fishermen and hunters	6.Skilled agricultural and fishery workers
7/8/9. Production and related workers, transport equipment operators and labourers	7.Craft and related trade workers
X. Workers not classifiable by occupation	8.Plant and machine operators and assemblers
Members of the armed forces	9.Elementary occupations
	0.Armed forces
	X. Workers not classifiable by occupation

* International Standard Classification of Occupations, adopted by International Labour Organisation in 1988

Conclusions on definitions and classifications

16. As seen in this section, several changes would have to be introduced to make the definitions and classifications adopted in the various *Demographic Yearbook* questionnaires consistent with United Nations Statistics Division recommendations.

17. The first set of changes relate to the definitions of several variables involved in the Vital Statistics Questionnaire and the Population Census Questionnaire. The recommendation is that their definitions be modified or clarified so that they are accurate, instructive and consistent with those adopted in the *Principles and Recommendations for a Vital Statistics System, Revision 2* and the *Principles and Recommendations for Population and Housing Censuses, Revision 1*. As a result, the definitions for death and occupation need to be quoted from relevant recommendations; and the definition of “place of residence” needs to be provided in the questionnaires.

18. Classifications adopted for certain variables in the questionnaires, such as age and sex, need to be updated to be consistent with the latest recommendations, Or in some cases as in the age classifications, the proposed highest age group cut-offs in the recommendations need to be reviewed.

Chapter 3 Tabulation patterns of mortality in Demographic Yearbook Questionnaires

19. This section examines 15 tables contained in two *Demographic Yearbook* questionnaires – Vital Statistics Questionnaire and Population Census Questionnaire, which are relevant to mortality.

20. This section is organised as follows: following a summary presentation on how the mortality tables in the two questionnaires compare with the United Nations recommendations, a general introduction on each questionnaire and various tables contained therein are given. Then tables related to mortality recommended by the United Nations are described, and comparisons of the mortality tables on the *Demographic Yearbook* questionnaires and those recommended by the latest United Nations *Recommendations* are provided.

21. In reviewing the tables included in *Demographic Yearbook* questionnaires, it is recognised that the *Principles and Recommendations* were developed to assist countries in conducting their population census and civil registration programmes and in compiling demographic and social statistics from censuses and civil registrations. This goal does not always coincide with the purpose of the *Demographic Yearbook* data collection activity, which is to compile and disseminate national data in comparable format for a wide range of users. For example, collection of data on deaths disaggregated by more detailed geographical subdivision other than urban/rural residence is important to a country for planning purposes, while may have limited use or relevance at international level, especially when considering international comparability.

Tables in the *Demographic Yearbook* questionnaires

22. The tables in the *Demographic Yearbook* questionnaires are used to collect a wealth of information on deaths and infant deaths cross-tabulated by various social and demographic factors such as age, sex of decedent, marital status, and occupational status of decedent and age of mother for infant deaths. In addition, abridged and complete life tables are included in the *Vital Statistics Questionnaire*; female population by children born alive and children living are included in the *Population Census Questionnaire*.

23. Table 3 presents a summary of how the mortality tables in the two questionnaires compare with the editions of the recommendations for vital statistics system and population censuses. An “X” in the column “1953”, “1973” or “2001” indicates that the table was recommended in that edition of the Vital Statistics Recommendations. Similarly, an “X” in the column “1980” or “1998” indicates that the table was recommended in that edition of the Population Census

Recommendations. Footnotes are attached to the “X” if additional information needs to be presented. A more detailed analysis on the correspondence between *Demographic Yearbook* questionnaires and United Nations recommendations are presented later in the report. The symbol “-” in the cell indicates that the table is in the questionnaires but is not recommended in the latest United Nations recommendations.

Table 3. Mortality tables in *Demographic Yearbook* questionnaires compared to United Nations recommendations

	Questionnaire table number	Title	1953	1973	2001
Vital Statistics Questionnaire					
Summary	1C	Deaths by sex and urban/rural residence	-	-	X
	1D	Infant deaths by sex and urban/rural residence	-	-	X ^a
General death	14	Deaths by month of death	X ^b	X	X ^b
	15	Deaths by age, sex and urban/rural residence	X ^b	X ^c	X
	16	Deaths by age, marital status and sex	-	X	X ^d
	17	Deaths by age, sex and occupation	-	X	-
Infant death	18	Infant deaths by month of death	X ^d	X ^a	X ^{a,e}
	19	Infant deaths by age and sex	X ^d	X	X ^f
Life table	13a	Abridged life table: number of surviving	-	-	-
	13b	Abridged life table: probability of dying	-	-	-
	13c	Abridged life table: expectation of life	-	-	-
	13A	Complete life table: number of surviving	-	-	-
	13B	Complete life table: life expectancy	-	-	-
Population Census Questionnaire					
	Questionnaire table number	Title	1980	1998	
Child Mortality	13	Female population 15 years of age and over by age and number of children born live	X	X ^e	
	14	Female population 15 years of age and over by age and number of children living	X	X ^e	

- a. Cross-classified by age
b. Cross-classified by cause of death
c. Not cross-classified by place of residence
d. Cross-classified by place of residence
e. Cross-classified by sex
f. Cross-classified by month of occurrence

24. *Vital Statistics Questionnaire table 1 – Vital Statistics Summary* of the *Demographic Yearbook* questionnaire on Vital Statistics, which has sub-tables that give an overview of the deaths and infant deaths over the last five years sex and urban/rural residence.

25. There are currently four tables in the Vital Statistics Questionnaire that cover detailed information on deaths.

- *Vital Statistics Questionnaire table 14 – Deaths (exclusive of foetal deaths) by month of death* – shows the temporal patterns of mortality.
- *Vital Statistics Questionnaire table 15 – Deaths (exclusive of foetal deaths) by age, sex and urban/rural residence* - allows the calculation of age and sex specific mortality rates by place of residence for a variety of demographic and epidemiological analyses.
- *Vital Statistics Questionnaire table 16 – Deaths by age, sex and marital status* – allows the calculation of age, sex and marital status-specific mortality rates for a variety of demographic and epidemiological analyses.
- *Vital Statistics Questionnaire table 17 - Deaths by age, sex and occupation* – provides data required to calculate age, sex and occupation specific death rate and occupation-specific life tables, for example, see United Nations, 1973, Page 107.

26. Two tables in the Vital Statistics Questionnaire focus on the infant death: *Vital Statistics Questionnaire table 18 - Infant deaths (deaths under 1 year of age) by month of death* and *Vital Statistics Questionnaire table 19 – Infant deaths by age and sex*.

27. As shown in Table 3 of this report, there are currently five sub tables within table 13 in the *Demographic Yearbook Vital Statistics Questionnaire* that collect data on life tables. The number surviving (l_x), the probability of dying ($q_x \cdot 1000$) and the expectation of life (${}^o e_x$) are presented in both abridged and complete life tables.

28. Two tables in the Population Census Questionnaire collect mortality data indirectly: 1) *Population Census Questionnaire Table 13 – Female population 15 years of age and over by age and number of children born live, cross-classified by place of residence* and 2) *Population Census Questionnaire Table 14 – Female population 15 years of age and over by age and number of children living, cross-classified by place of residence*.

Tables recommended in the United Nations recommendations

29. The recommended mortality tables varied significantly over the years. The number of recommended tables is 10 in 1953's recommendation³, 28 in 1973's Vital Statistics Recommendation⁴ and 23 in 2001's Vital Statistics Recommendation¹. The table specifications also vary significantly in various editions of the United Nations Recommendations (1953, 1973 and 2001). Table 4 below provides a list of recommended mortality tables in the 1953, 1973 and 2001 recommendations for vital statistics; and Table 5, a list of recommended mortality-related tables in the 1998 *Principles and Recommendations for Population and Housing Censuses*.

Table 4. Mortality related tables recommended in the 1953, 1973 and 2001 recommendations for vital statistics system

	Recommended tables in the recommendations for vital statistics		
	1953	1973 ^a	2001
Summary			ST-1 Live births, deaths, infant deaths, foetal deaths, marriages and divorces by place of usual residence
			ST-2 Crude birth rate, crude death rate, infant mortality rate by sex, foetal mortality rate, crude marriage rate and crude divorce rate by place of usual residence
			ST-4 Time series of deaths by place of usual residence of decedent (past 10 years)
			ST-5 Time series of infant deaths by place of usual residence of mother (past 10 years)
			ST-9 Time series of vital events in the country (past 10 years)
Mortality	Deaths by place of occurrence	DE-1. Deaths by Place of Occurrence	DE-1 Deaths by place of usual residence and sex of decedent
	Deaths by place of residence of decedent	DE-1a. Deaths by occurrence, resident status of decedent, hospitalisation and by type of certification	DE-2 Deaths by place of occurrence and place of usual residence and sex of decedent
	Resident deaths by month of occurrence and selected cause of deaths	DE-2. Deaths by place of usual residence of decedent	DE-3 Deaths by month and place of occurrence and place of usual residence of decedent
	Deaths by sex, age and cause	DE-2a. Deaths by place of usual residence and place of occurrence	DE-4 Deaths by place of registration, month of occurrence and month of registration
	Resident deaths by sex, age and cause	DE-2b. Deaths by place of usual residence and place of previous residence (at a specified time in the past)	DE-5 Deaths by place of occurrence and site of occurrence
		DE-3. Deaths by month of occurrence	DE-6 Deaths by place of usual residence, age and sex of decedent
		DE-4. Deaths by age and sex	DE-7 Deaths by age, sex, place of usual residence and marital status of decedent
		DE-4a. Deaths by age, marital status and sex	DE-8 Deaths by place of usual residence, age, sex and educational attainment of decedent
		DE-4b. Deaths of married persons by age of decedent and age of surviving spouse and sex	DE-9 Deaths by sex, cause of deaths, place of usual residence and age of decedent
		DE-4c. Deaths of married persons by age, sex and duration of marriage	DE-10 Deaths by month of occurrence and cause of death
		DE-4d. Deaths by age and type of activity	DE-11 Deaths by place of occurrence, sex of decedent and type of certification

Recommended tables in the recommendations for vital statistics			
	1953	1973^a	2001
		DE-4e. Deaths by age, sex and occupation	DE-12 Maternal deaths by cause of death and age of woman
		DE-4f. Deaths by age, ethnic and/or nationality group	
		DE-4g. Deaths by age, sex and literacy status	
		DE-4h. Female deaths by age and number of live-born issue	
		DE-5. Deaths by month of occurrence and cause of death	
		DE-6. Deaths by age, sex and cause of death	
		DE-6a. Deaths by age, sex, occupation and cause of deaths	
		DE-7. Deaths by type of certification and cause of death	
Infant Mortality	Infant deaths by place of occurrence	ID-1. Infant deaths by place of occurrence	ID-1 Infant deaths by place of occurrence and place of usual residence of mother
	Infant deaths by place of residence of mother	ID-2. Infant deaths by place of residence of mother	ID-2 Infant deaths by month of occurrence and sex and age of child
	Resident infant death by age and month of occurrence	ID-3. Infant deaths by age and sex	ID-3 Infant deaths by place of usual residence of mother and age and sex of child
	Resident infant deaths by sex and age	ID-3a. Infant deaths by age, legitimate status and sex	ID-4 Infant deaths by cause of death, place of residence of mother and sex and age of child
	Resident infant deaths by cause of death	ID-3b. Infant deaths by age, year of birth and sex	ID-5 Infant deaths by place of usual residence of mother and incidence of birth registration
		ID-4. Infant deaths by age and month of occurrence	
		ID-5. Infant deaths by cause of death and sex	
		ID-5a. Infant deaths (under 1 yr) by cause of death, age and sex	
	ID-5b. Infant deaths (under 28 days) by cause of death, age and sex		

a. Tables in bold represent those that were recommended as primary tables in the 1973 Recommendations.

Table 5. Mortality related tables recommended in the *Principles and Recommendations for Population and Housing Censuses*

Recommended tables in the <i>Principles and Recommendations for Population and Housing Censuses</i>	
Infant Mortality	P4.7 Female population ... to 49 years of age, by age, number of live births, by sex within the 12 months preceding the census, and deaths among these live births, by sex *
Child Mortality	P4.1 Female population 15 years of age and over, by age and number of children ever born alive by sex*
	P4.3 Female population 15 years of age and over, by age and number of children living (or dead) by sex*
Mortality	P4.9 Deaths, by sex and age within the 12 months preceding the census; and total population, by age and sex
Adult Female Mortality	P4.10 Population with mother alive (or dead), by age*

* Tables also recommended in the 1980 Principles and Recommendations for Population and housing Censuses⁹

30. Table 4 shows that all tables recommended in the 1953 *Recommendations* for vital statistics are still part of the tables listed in 1973. However, a greater number of tables are recommended in the 1973 *Recommendations*, in comparison with the 1953 *Recommendations*. New variables are introduced, for example, deaths are also tabulated by type of certification, marital status, occupation, ethnic/nationality group or literacy status and infant deaths are tabulated by legitimate status of infants. In some cases, more detailed information is requested. For example, instead of tabulating deaths by place of occurrence and place of usual residence in two separate tables in the 1953 *Recommendations*, the 1973 *Recommendations* tabulate deaths by both variables in one table. Similar table combinations also occur to infant deaths, for example, infant deaths are tabulated by cause of death, age and sex in the 1973 *Recommendations*, while in the 1953 *Recommendations*, one table is on infant deaths by sex and age and the other one on infant deaths by cause of death.

31. The changes that occurred between the 1973 and 2001 United Nations *Recommendations for Vital Statistics* can be categorised as follows:

- The 2001 *Recommendations* for Vital Statistics include six summary tables, which are not in the 1973 *Recommendations*. Two of these summary tables present numbers and rates for all vital events; the other four present time series for vital events for the past 10 years.
- Some recommended tables in 1973 were dropped, i.e., the special population deaths group tables and deaths by occupation, literacy and ethnic group of decedents table.
- A few tables were added, i.e., deaths by educational attainment of decedent and deaths rates time series, which were neither in the 1973 nor in the 1953 list.

The five tables that are recommended in the 1998 *Principles and Recommendations for Population and Housing Censuses* are presented in Table 5; only one table (P4.9: Deaths, by sex and age within the 12 months preceding the census; and total population, by age and sex) is new relevant to the 1980 recommended table list.

Tables in the *Demographic Yearbook* questionnaires that are not recommended by the latest recommendations

32. Two tables in the Vital Statistics Questionnaire are not recommended by the latest recommendations (United Nations, 2001): Table 13 (life tables, abridged and complete) and Table 17 (deaths by age, sex and occupation).

33. *Vital Statistics Questionnaire Table 13 – abridged and complete life tables.* As shown in Table 3, there are currently five sub tables within table 13 of the *Demographic Yearbook* Vital Statistics Questionnaire that collect data on life tables. The number surviving (l_x), the probability of dying ($q_x \cdot 1000$) and the expectation of life (0e_x) are presented in both abridged and complete life tables.

34. Life table is not recommended in the United Nations *Recommendations for a Vital Statistics System* because it is a derived table calculated from collected age-specific mortality information. Collection of life table variables by the United Nations is important since it provides a summary description of the effects of age-specific mortality rates upon a birth cohort.

35. *Vital Statistics Questionnaire Table 17 (deaths by age, sex and occupation).* This table generates the possibilities to calculate age, sex and occupation specific death rate and therefore to create occupation-specific life tables, for instance.

36. In conclusion, the *Demographic Yearbook* questionnaires contain two tables that are not recommended in the latest UNSD *Principles and Recommendations*. Life tables, as discussed earlier, are important analytical tables for international comparison purposes and can be generated from age-specific mortality information. The appropriateness of including the table on deaths by age, sex and occupation, needs to be reconsidered: countries/areas may not have comparable data readily available when a table is not recommended and the corresponding international standards on concept, definition and classifications are not available. However, the exclusion of the table on deaths by age, sex and occupation given its importance in reflecting occupation-related injuries and deaths, needs to be reviewed, with further discussion with the International Labour Organisation and World Health Organisation.

Tables in *Demographic Yearbook* questionnaires that may require modification

37. This subsection focuses on mortality tables that are in both the *Demographic Yearbook* questionnaires and the latest recommendations as well. These tables might require modifications and will be discussed individually in the following text.

38. *Vital Statistics Questionnaire Table 1(vital statistics summary)*. Two sub-tables related to mortality are included in Table 1: *Table 1A (deaths by sex and urban/rural residence)* and *Table 1D (infant deaths by sex and urban/rural residence)*. These two tables provide summary statistics on death and infant death for a 5-year period. Relating table 1 in the *Demographic Yearbook* questionnaire with the recommendations in the 2001 *Principles and Recommendations* shows that the *Recommendations* recommended a time series of 10 years for life events but the *Vital Statistics Questionnaire* Table 1 collects only 5-year time series. It is suggested that changes be made so that a time series of 10 years are presented for deaths and infant deaths.

39. *Vital Statistics Questionnaire Table 14 –Deaths (exclusive of foetal deaths) by month of death* – shows the monthly temporal patterns of mortality. This table is part of the primary list of tabulations in the 1973 recommendations. The latest *Recommendations* suggest three tables involve the month of death variable:

- *Deaths by month of occurrence and cause of death*. This table is introduced to study the temporal pattern of mortality with specific attention on various causes of deaths.
- *Deaths by month and place of occurrence and place of usual residence of decedent*. This table could be used for administrative purposes and for interpreting geographic and temporal patterns of mortality and the distribution of medical facilities in relation to place of residence and place of death.
- *Deaths by place of registration, month of occurrence and month of registration*. The time lags between the date of death and the date of registration are useful measures of the functioning of the registration system. Registration delays in particular geographic areas of the country or delays with a seasonal pattern could be assessed using data from this table.

Although the last table is proposed in the latest recommendations, it is necessary to assess the feasibility of collecting mortality data by both registration and occurrence before it can be adopted. The mortality recording system for some countries might be based only on occurrence, while others are solely based on registration. It might be difficult to obtain data on both date of occurrence and

date of registration and possibility of collecting by both needs to be further reviewed.

40. *Vital Statistics Questionnaire Table 15 –Deaths (exclusive of foetal deaths) by age, sex and urban/rural residence* - allows the calculation of age and sex specific mortality rates by place of residence for a variety of demographic and epidemiological analyses. It is a complete match with one of the tables listed in the latest recommendation.

41. *Vital Statistics Questionnaire Table 16 – Deaths by age, sex and marital status* – allows the calculation of age, sex and marital status-specific mortality rates for a variety of demographic and epidemiological analyses. In the current edition of the *Principles and Recommendations for a Vital Statistics System*, this table is still included among the recommended list; however, it has been modified with the introduction of information on place of usual residence of the decedent. As a result, the age, sex and marital status-specific mortality rates can be calculated for geographic divisions.

42. *Vital Statistics Questionnaire Table 18 (Infant deaths by month of death) and table 19 (Infant deaths by age and sex)* are combined into one table in the 2001 *Principles and Recommendations for a Vital Statistics System*, i.e., infant deaths by month of death, age and sex. The combined table is useful for analytic purposes, such as finding seasonal patterns in the distribution of infant deaths, as well as for monitoring purposes (United Nations, 2001, Page 138). However, this combined table might be too complex in structure to collect from a number of countries.

43. Two tables in the Population Census Questionnaire collect data that are used in indirect estimation of mortality: 1) Table 13 – *Female population 15 years of age and over by age and number of children born live, by place of residence* and 2) Table 14 – *Female population 15 years of age and over by age and number of children living, by place of residence*. These two tables are recommended by the 1998 *Principles and recommendations for population and housing censuses*. However, the recommended tables are also cross-classified by sex of children born alive or living. The collection of data on children ever born specified by sex not only improves accuracy of information but also provides data for indirect estimation of sex differentials in infant and child mortality, in combination with data on children living by sex. (United Nations, 1998) Therefore, sex should be considered as a necessary cross-classification variable.

Tables in the latest recommendations that are not in questionnaires

44. The following table provides a list of all tables that are not included in the *Demographic Yearbook* questionnaires, but are recommended, which might be considered for inclusion in *Demographic Yearbook* collection.

Table 6. Tables on mortality in the latest United Nations *Principles and Recommendations* but are not included in the *Demographic Yearbook* questionnaires

Tables in recommendations but not in questionnaires	
Deaths	DE-2 ^{VS} Deaths by place of occurrence and place of usual residence and sex of decedent DE-5 ^{VS} Deaths by place of occurrence and site of occurrence DE-8 ^{VS} Deaths by place of usual residence, age, sex and educational attainment of decedent DE-11 ^{VS} Deaths by place of occurrence, sex of decedent and type of certification DE-12 ^{VS} Maternal deaths by cause of death and age of woman P4.9 ^{PC} Deaths, by sex and age within the 12 months preceding the census; and total population, by age and sex
Infant Deaths	ID-1 ^{VS} Infant deaths by place of occurrence and place of usual residence of mother ID-3 ^{VS} Infant deaths by place of usual residence of mother and age and sex of child ID-4 ^{VS} Infant deaths by cause of death, place of residence of mother and sex and age of child ID-5 ^{VS} Infant deaths by place of usual residence of mother and incidence of birth registration P4.7 ^{PC} Female population ... to 49 years of age, by age, number of live births, by sex within the 12 months preceding the census, and deaths among these live births, by sex
Adult Female Mortality	P4.10 ^{PC} Population with mother alive (or dead), by age

VS: Tables recommended in *Principles and Recommendations for a Vital Statistics System*, Sales No. E.01.XVII.10, United Nations, New York, 2001

PC: Tables recommended in *Principles and Recommendations for Population and Housing Censuses, Revision 1*, Sales No. E.98.XVII.8, United Nations, New York, 1998

Conclusions on *Demographic Yearbook* tabulations on mortality

45. As seen in the above section, several changes would have to be introduced in the *Demographic Yearbook* tabulations on mortality to make them consistent with United Nations *Recommendations*. Here is a list of the main issues that would need to be addressed.

46. First, the *Demographic Yearbook* questionnaires contain tables, for example, table on deaths by age, sex and occupation that is not recommended in the latest UNSD *Principles and Recommendations*. An appropriate decision on the suitability of including the tables in the *Demographic Yearbook* data collection process needs to be made.

47. Second, a number of *Demographic Yearbook* tabulations need to be modified to match United Nations *Recommendations*. For example, among nine mortality-related tables that are included in the *Demographic Yearbook Questionnaires* and also recommended in the latest United Nations *Recommendations*, eight tables require revision to conform with the latest *Recommendations*.

48. The inclusion of additional tables that are recommended in the most recent United Nations *Recommendations* remains questionable due to the number of tables that countries could reply and also the comparability at an international level. One solution could be divide tables into basic tables and detailed tables. A questionnaire with only basic tables can be sent to countries/areas that have limited data on mortality; while more detailed tables can be sent to countries that have additional data. In some cases when countries are facing threat of war or political instability during a specific period, they may also be provided the option to complete only the basic tables.

Chapter 4 Mortality data collection

49. The purpose of this Chapter is to address how frequently countries reported their mortality information through *Demographic Yearbook Questionnaires*. Although data availability does not completely reflect the state of data collection in a country (a country might for example collect information but not provide the data on the *Demographic Yearbook* questionnaires), the former can be a useful proxy for establishing areas in which technical assistance may need to be provided. Furthermore, data availability tests to a certain extent the degree to which countries comply with the various United Nations *Principles and Recommendations* (under conditions where the *Demographic Yearbook* questionnaires are in line with the latter).

50. The analysis of responses of countries and areas to the mortality-related data collection through *Demographic Yearbook* questionnaires is divided into four groups: deaths, infant deaths, life tables and female population by children living⁸. The population of women 15 years and over by children living is collected through *Population Census Questionnaire* periodically when a census has been conducted, and the collection of deaths, infant deaths and life tables through *Vital Statistics Questionnaire* is on an annual basis, the frequency of response is depicted differently. In the current analysis, four decades (1961-1970, 1971-1980, 1981-1990 and 1991-2000) and additional two years 2001-2002 are considered for the tables from the *Vital Statistics Questionnaire*. For each ten-year period under consideration, it is expected that for *Vital Statistics Questionnaire* mortality tables, the possible range of response frequency for each country or area would be from zero (if a country did not return any completed questionnaire during the ten year period) to ten (if the country returned the questionnaire each year).

51. In contrast, the female population by children living table (collected through *Population Census Questionnaire*) can at the maximum register two responses during a ten-year census period – one response for countries and areas where the census is conducted on a ten-year basis and two when census is conducted on a five-year basis. The response levels for census questionnaires are therefore assessed in terms of whether or not a country responded at least once over a ten-year census period. To provide a point of reference in this analysis six census decades are considered (1945 -1954, 1955-1964, 1965-1974, 1975-1984, 1985-1994 and 1995-2004).

52. The number of countries has changed considerably over the past 10-15 years (around 10 countries were formed after the dissolution of the Union of Soviet Socialist Republics (USSR) or Former Yugoslavia). For example, the average number of countries and areas is 217 in 1960s and increased to 231 in 1990s. Therefore, an increase or a decrease in the absolute number of countries

⁸ Female population by children ever-born is also collected by the United Nations *Demographic Yearbook* questionnaires and is analysed in another technical report.

providing data to one of the sub-tables over time may not necessarily imply an increasing or a decreasing percentage of countries that have provided data. In addition, a number of Commonwealth of Independent States (CIS) countries have supplied retroactive time series (in the *Demographic Yearbook* database, for example, there are data for the 1970s for the areas of Ukraine, Russian Republic, Estonia, etc. although these countries were part of the USSR). To calculate the number of responding countries per decade these reconstructed time series were excluded. Furthermore as one of the objectives was to examine country responses to the various *Demographic Yearbook* questionnaires, the presentation of United Nations estimates were counted.

53. In the following subsections, the trend of the number of countries and areas that have provided data at least once by geographical region is provided. In addition, examples of the frequencies of country responses in Africa are also provided as Africa has been relatively stable in the total number of countries over time. More detailed information in the response frequencies for individual countries is presented in the Annex.

54. The review of tables is based on the data (as of 31st January, 2004) that is currently available in the *Demographic Yearbook* database. However, country responses may actually differ from those related in this report, which has a cut-off date of 31 June 2004. In addition, data for earlier periods are not always available in the *Demographic Yearbook* database for two tables - deaths by month of death and infant deaths by month of death, although they are available in the earlier publications, trend analysis on data in those tables for that period will be excluded.

55. Moreover, due to the longer processing time for certain national tables, responses for the period 2001-2002 might increase later, similarly for the period 1991-2000, responses might also increase. Whenever the frequency of reporting is considered for the decade 1991 - 2000 and the last two years under review in this report (2001-2002), data for later years might be reported later due to the possibly long data processing time in some countries.

Deaths

56. The analysis of country responses on general mortality in this section is conducted on responses of the following mortality topics:

- Total number of deaths
- Number of deaths by sex
- Number of deaths by sex and urban/rural residence
- Number of deaths by age and sex
- Number of deaths by marital status, age and sex
- Number of deaths by month of occurrence
- Number of deaths by occupation, age and sex

Total number of deaths

57. Most countries have reported data on total number of deaths at least once over the past four decades. There are, however, considerable differences among six geographical regions. Europe, North America and South America, for example, had relatively high country response, while for Africa, Asia and Oceania fewer countries reported data on total number of deaths. Table 7 presents the number of countries which have supplied data on total number of deaths at least once in each decade.

58. As Table 7 indicates, the number of countries that reported information on number of deaths, has been relatively stable over the past four decades in three out of the six regions – Africa, South America and Oceania. A decrease in the number of countries reporting total number of deaths in North America is observed. The number of countries that reported at least once in 1990s for both Europe and Asia increased, partly due to the increased number of countries since the collapse of Former USSR and Former Yugoslavia.

59. The number of countries that have responded at least once in 2001 and 2002 is not an appropriate indicator for the responsiveness of countries/areas due to the time-lag between national data collection and data availability. There is a possibility that some countries will provide such data at a later time. However, it can serve as a signal of the recency of the data provided by countries. It can be observed that higher percentage of countries in Europe have provided more recently the number of death data than other countries in other geographical regions.

Table 7. Number of countries that reported data on deaths at least once, by decade and geographical region

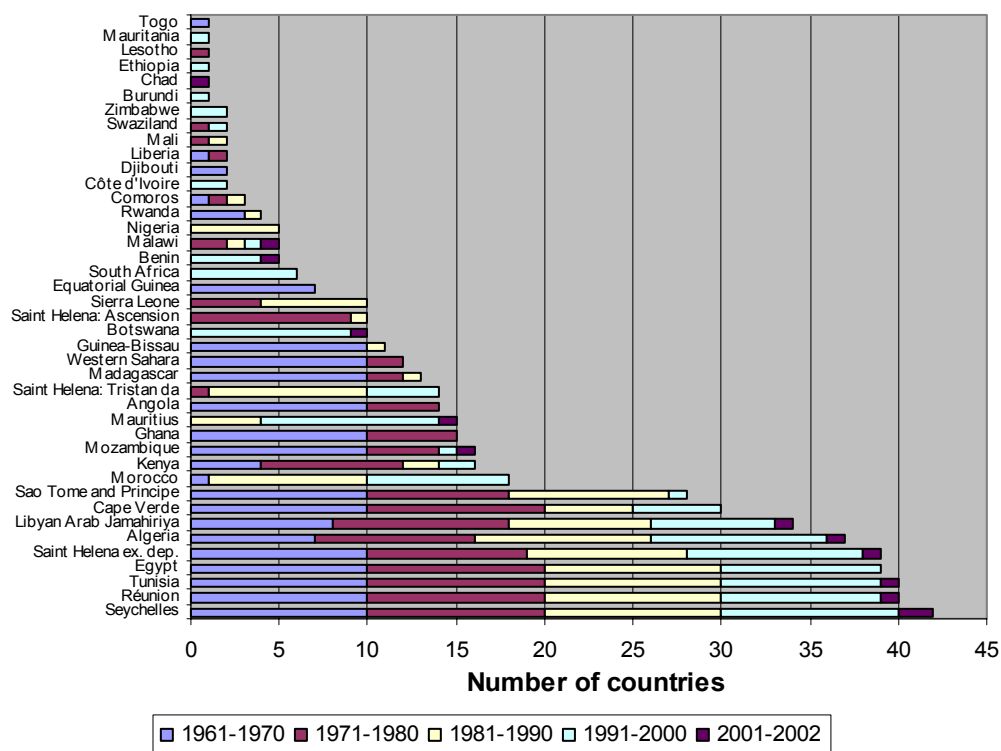
Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	23	58	24	58	23	56	24	56	12	56
America, North	34	36	36	37	36	37	32	37	18	37
America, South	13	14	14	15	13	14	14	14	3	14
Asia	26	47	28	45	31	43	40	50	23	51
Europe	33	37	33	38	33	38	48	48	36	48
Oceania	19	25	19	29	19	28	18	25	3	25
Total	148	217	154	222	155	216	176	230	95	231

60. Besides these regional variations in country responses, differences also exist in terms of frequencies at which data were reported. 89 countries (39%) supplied data each year for the decade 1991-2000. Twenty-two countries including Seychelles, Japan, Singapore, Hungary and Romania, reported annual

data on the number of deaths through the *Demographic Yearbook* Questionnaire on Vital Statistics every year since 1961. There are also some countries that have never submitted data since 1961 (Annex 2). In Africa, for example, 16 countries have never provided data for the period from 1961 to 2002⁹; and there are 3 countries/areas in Asia¹⁰ and 3 in Oceania¹¹ that have never provided data.

61. Figure 1 offers an overview of the frequency with which data on the number of deaths were reported between 1961 and 2002 for Africa (a more comprehensive overview of each country for each decade is presented in Annex 2). The frequency of response tends to be clustered around the extremes, with a few countries reporting data on the number of deaths almost every year for the period 1961-2002, and others reporting this data very rarely, if ever.

Figure 1. Frequency of reporting, within decades, total number of deaths for African countries (1961-2002)



Deaths by sex

⁹ Burkina Faso, Cameroon, Central African Republic, Congo, Democratic Republic of the Congo, Eritrea, Gabon, Gambia, Guinea, Namibia, Niger, Senegal, Somalia, Sudan, Uganda, United Republic of Tanzania, Zambia.

¹⁰ Bhutan, Cambodia, Lao Peoples Democratic Republic.

¹¹ Papua New Guinea, Solomon Islands, Vanuatu.

62. Table 8 shows declining responses on deaths by sex in Oceania. A significant increase of number of countries reporting deaths by sex at least once in the decade is observed for Asia and Europe from the decade 1981-1990 to the decade 1991-2000. The increase of response is partly due to significant increases of the total number of countries in Asia and Europe in early 1990s, although the percent responded from the decade 1981-1990 to 1991-2000 also increased. For example, the percent that provided data on deaths by sex in Asia was 60% in the period 1981-1990, compared with 68% in the decade 1991-2000; the percent responded in Europe was 84% and 98% in these two decades, respectively. More detailed information on the number of responses on the deaths by sex data by decade for each country is available in Annex 3.

63. The frequency of replies in a decade for countries varied significantly. For example, 44 countries supplied data each year for the decade 1991-2000. Three countries and areas – “China, Hong Kong SAR”, Singapore and Gibraltar - reported annual data on the number of deaths by sex through the *Demographic Yearbook* Questionnaire on Vital Statistics every year since 1961. There are also some countries that have never submitted data since 1961. In Africa, for example, 25 countries¹² have never provided data for the period from 1961 to 2002. There are 7 countries¹³ in Asia and 6 countries¹⁴ in Oceania that have never provided data for the same period.

¹² Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Côte d'Ivoire, Democratic Republic of the Congo, Djibouti, Eritrea, Ethiopia, Gabon, Gambia, Guinea, Mauritania, Namibia, Niger, Nigeria, Rwanda, Senegal, Somalia, Sudan, Uganda, United Republic of Tanzania, Zambia.

¹³ Bhutan, Cambodia, Lao Peoples Democratic Republic, Oman, Turkmenistan, Viet Nam, Yemen.

¹⁴ Micronesia, Federated States of, Papua New Guinea, Solomon Islands, Tuvalu, Vanuatu.

Table 8. Number of countries that reported data on deaths by sex at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	19	58	21	58	16	56	18	56	7	56
America, North	34	36	32	37	35	37	30	37	7	37
America, South	13	14	13	15	13	14	13	14	1	14
Asia	22	47	24	45	26	43	34	50	14	51
Europe	31	37	31	38	32	38	47	48	32	48
Oceania	18	25	18	29	17	28	10	25	19	25
Total	137	217	139	222	139	216	152	230	80	231

Deaths by sex and urban/rural residence

64. The level of response to deaths by sex and urban/rural residence is very low (Table 9). Even for the decade (1991-2000), which had the highest number of countries that responded at least once, more than two-thirds of the countries did not respond in this decade. In general, the more complicated a table is, the less response there is to that table from countries. In addition, not every country/area collects data by urban/rural area, which could be one of the explanations for the low response.

65. No country has reported deaths disaggregated by sex and urban/rural residence consistently every year since 1961; 14 countries have reported every year within the decade 1991-2000, such as Mauritius in Africa, Japan and the Republic of Korea in Asia, Hungary and Switzerland in Europe and New Zealand in Oceania. There is a significant number of countries that have never reported deaths by sex and urban/rural residence since 1961: 133 countries have never reported since 1961. Among these, 45 are from Africa, 22 from North America, 7 from South America, 26 from Asia, 13 from Europe and 20 from Oceania. Detailed information on the number of responses on deaths by sex and urban/rural residence by decade for each country is presented in Annex 4.

Table 9. Number of countries that reported data on deaths by sex and urban/rural residence at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	5	58	5	58	6	56	9	56	1	56
America, North	8	36	13	37	10	37	9	37	3	37
America, South	2	14	4	15	6	14	6	14	-	14
Asia	4	47	14	45	14	43	17	50	6	51
Europe	17	37	16	38	15	38	29	48	15	48
Oceania	1	25	6	29	3	28	2	25	-	25
Total	37	217	58	222	54	216	72	230	25	231

Deaths by age and sex

66. Over that four decades from 1961 to 2000, there is a slight decrease in providing deaths by age and sex for Africa, North America and Oceania (Table 10). For example, 16 countries in Africa provided deaths by age and sex at least once between 1961 and 1970, while only 13 African countries provided such data at least once for the period 1991-2000. Similar trend is observed for North America and Oceania. An increase is observed of the percent of countries that provided deaths by age and sex data at least once in the decade 1991-2000 for Asia and Europe (56% in 1981-1990 to 58% in 1991-2000 in Asia; and 82% to 92% in Europe).

67. There are 23 countries that have reported every year in the period 1991-2000 but no country has reported deaths disaggregated by age and sex consistently every year since 1961. Eight countries in Asia reported this data annually in the decade 1991-2000 and 8 in Europe; 2 countries in Africa, 2 in South America; 2 countries in Oceania and 1 country from North America. Around 60 countries, more than half of them in Africa (34), have never reported deaths by age and sex since 1961. Detailed information on the number of responses on deaths by age and sex by decade for each country is presented in Annex 5.

Table 10 Number of countries which reported deaths by age and sex at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	16	58	16	58	11	56	13	56	1	56
America, North	31	36	29	37	29	37	26	37	34	37
America, South	11	14	11	15	10	14	10	14	13	14
Asia	19	47	20	45	24	43	29	50	3	51
Europe	30	37	28	38	31	38	44	48	28	48
Oceania	15	25	14	29	12	28	9	25	19	25
Total	122	217	118	222	117	216	131	230	98	231

Deaths by marital status, age and sex

68. Over the four decade from 1961 to 2000, the total number of countries providing deaths by marital status age and sex has been relatively stable (Table 11). However, a decreasing number of countries reported such data in North America, South America, Asia and Oceania in 1991-2000 compared with the period 1961-1970; while there is an increasing number of countries in Europe from the period 1961-1970 to 1991-2000 that reported deaths by marital status, age and sex, which is mostly due to the increased total number of countries in Europe in the early 1990s (65% of countries in Europe reporting in 1961-1970 and 69% in 1991-2000). No country reported deaths disaggregated by marital status, age and sex for the years 2001 and 2002.

69. No country has reported deaths disaggregated by marital status, age and sex consistently every year since 1961 yet. Nor did any country report such data annually in the period 1991-2000. A significant number of countries (161) have never reported deaths by marital status, age and sex data since 1961 (Annex 6).

Table 11. Number of countries that reported deaths by marital status, age and sex at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	3	58	3	58	4	56	4	56	-	56
America, North	14	36	11	37	13	37	11	37	-	37
America, South	9	14	8	15	7	14	6	14	-	14
Asia	8	47	9	45	11	43	9	50	-	51
Europe	24	37	23	38	25	38	33	48	-	48
Oceania	8	25	8	29	6	28	3	25	-	25
Total	66	217	62	222	66	216	66	230	-	231

Deaths by month of occurrence

70. In this report, analysis of deaths reported by month of occurrence is started in 1971 due to the unavailability of such data prior to 1971 in the *Demographic Yearbook* Database (Table 12). An increase is observed in the percent of countries/areas that are responded at least once in a decade for all geographically regions from the period 1971-1980 to 1981-1990. However, a decrease is observed in the number of country responses in Africa, North America, South America and Oceania from the decade 1981-1990 to 1991-2000 and there is no response yet for the year between 2001 and 2002, which is an indication of the lack of recency for data on deaths by month of occurrence. The increase in the number of responding countries in Asia and Europe from the decade 1981-1990 to 1991-2000 reflects partially the increase of the total number of countries in the early 1990s and a lesser increase in the percent of countries that responded as well (49% to 50% in Asia and 66% to 88% in Europe).

71. In terms of the frequency of response, Singapore is the only country that has reported deaths by month of occurrence each year between 1971 and 2000. There are 93 countries that have never reported deaths by month of occurrence since the beginning of the collection process of such data (Annex 7).

Table 12. Number of countries that reported deaths by month of occurrence at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	-	58	6	58	11	56	8	56	-	56
America, North	-	36	18	37	28	37	21	37	-	37
America, South	-	14	7	15	10	14	9	14	-	14
Asia	-	47	15	45	21	43	25	50	-	51
Europe	-	37	25	38	30	38	42	48	-	48
Oceania	-	25	6	29	14	28	7	25	-	25
Total	-	217	77	222	114	216	112	230	-	231

Deaths by occupation, age and sex

72. Table 13 The overall response rate on deaths by occupation, age and sex is rather low compared to other mortality tables: less than 40 countries reported at least once within each decade (1961-1970, 1971-1980, 1981-1990 and 1991-2000). There has not been any reported data for the latest two years (2001 and 2002). Moreover, the total number of countries decreased that reported deaths by occupation, age and sex over the 40 years (1961-2000). For example, 37 countries provided deaths by occupation, age and sex at least once between 1961 and 1970, while only 32 countries provided such data at least once in the 1990s (1991-2000). Region-wise a slight decrease is observed in the number of countries providing deaths by occupation, age and sex for Africa, North America and Oceania.

73. A significant number of countries (140) have never reported such data since 1961. None of the countries have reported deaths by occupation, age and sex every year since 1961, neither have they reported every year in the 1990s. Detailed information on the number of responses to the table on deaths by occupation, age and sex by decade for each country is presented in Annex 8.

Table 13. Number of countries that reported deaths by occupation, age and sex at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	3	58	6	58	2	56	3	56	-	56
America, North	9	36	7	37	9	37	6	37	-	37
America, South	2	14	2	15	2	14	2	14	-	14
Asia	10	47	11	45	10	43	5	50	-	51
Europe	8	37	7	38	7	38	13	48	-	48
Oceania	5	25	6	29	7	28	3	25	-	25
Total	37	217	39	222	37	216	32	230	-	231

Infant deaths

74. The analysis of the country responses on infant mortality in this section covers:

- Total number of infant deaths
- Infant deaths by sex
- Infant deaths by sex and urban/rural residence
- Infant deaths by age and sex of child
- Infant deaths by month of occurrence

Number of infant deaths

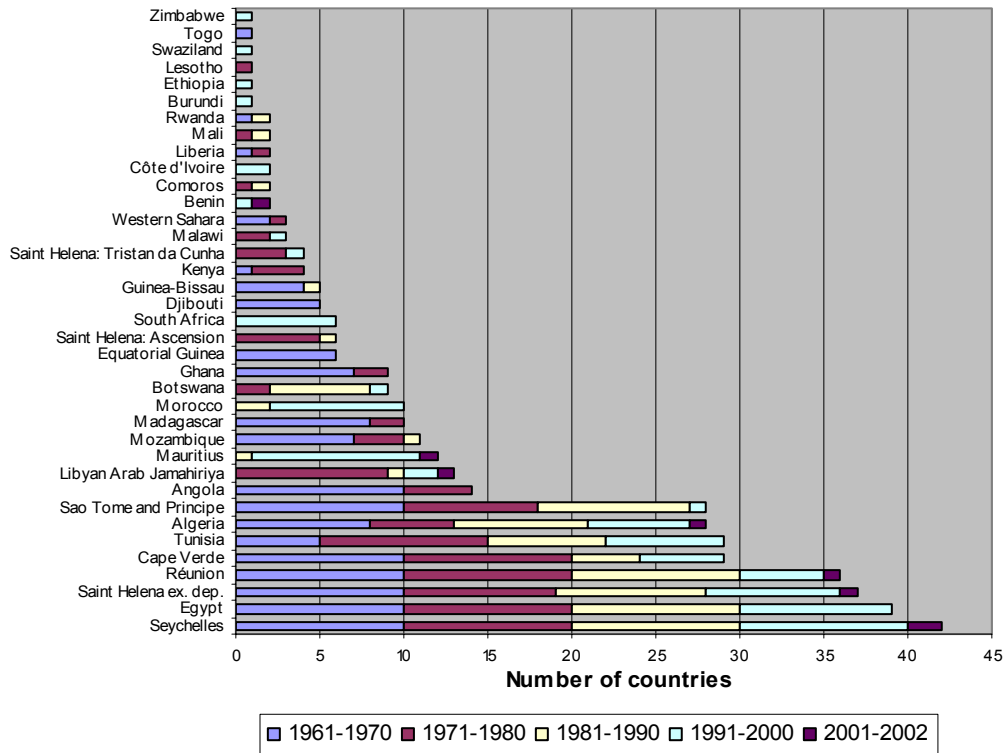
75. For the number of infant deaths (Table 14), more than 60% of the countries have reported the total number of infant deaths at least once within a decade for four decades from 1961 to 2000, with the exception of the last two years included in the current analysis (2001-2002). Comparing the trend over the four decades from 1961 to 2000, the reporting number of countries in Africa, North America and Oceania has decreased over time, especially between the decade 1981-1990 and 1991-2000. The number of countries reporting in Asia has shown steady increase over the four decades from 1961 to 2000 (43% in 1961-1970 to 72% in 1991-2000). Europe has had a relatively stable number of reporting countries from 1961 to 1990; this is followed by an increase of 15 countries (50% in absolute numbers) reporting from the period 1981-1990 to the period 1991-2000 (differences in times series may be partly due to the increase of total number of countries in this region– percent reporting increased from 79% to 94%).

Table 14. Number of countries that reported total number of infant deaths at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	20	58	23	58	17	56	20	56	9	56
America, North	34	36	34	37	35	37	30	37	13	37
America, South	13	14	13	15	11	14	12	14	3	14
Asia	20	47	21	45	29	43	36	50	21	51
Europe	31	37	30	38	30	38	45	48	35	48
Oceania	17	25	18	29	17	28	15	25	3	25
Total	135	217	139	222	139	216	158	230	84	231

76. As an illustrative example of the frequency of country reporting in each decade, Figure 2 presents the frequency of reporting the number of infant deaths for all African countries, that had reported at least once in the last 42-year period. African countries that have ever provided data on the total number of infant deaths are divided into three groups according to the frequency of reporting: 1) countries that have high number of responses, such as Seychelles, Egypt and Saint Helena (responded more than 8 times in each decade); 2) countries that have a moderate number of responses, such as San Tome and Principe, Cape Verde and Algeria; and 3) countries had only responded for a few times, and especially that these countries hardly responded in the latest two decades, such as Mozambique, Madagascar, Ghana and Djibouti. There are around 25 countries in Africa that have never provided total number of infant deaths.

Figure 2. Frequency of reporting on the total number of infant deaths for African countries (1961-2002)



Infant deaths by sex

77. The total number of countries that reported on infant deaths by sex increased from 116 in the 1980s to 131 in the 1990s (Table 15); most of the increases occur in Africa, Asia and Europe. A decreasing number of reporting countries is observed in North America, South America and Oceania, and the percentage of reporting countries in these three geographical regions has decreased over time (1961-2000) based on the fact that total numbers of countries in these regions have been relatively stable over time. Further investigation and follow up is necessary to explore the reasons for such decrease.

Table 15. Number of countries that reported infant deaths by sex at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	16	58	21	58	11	56	14	56	5	56
America, North	33	36	28	37	31	37	26	37	6	37
America, South	12	14	11	15	10	14	10	14	-	14
Asia	19	47	20	45	24	43	30	50	12	51
Europe	30	37	28	38	30	38	44	48	25	48
Oceania	14	25	13	29	10	28	7	25	-	25
Total	124	217	121	222	116	216	131	230	48	231

78. In terms of the frequency with which countries and areas reported infant deaths by sex, Singapore and “China: Hong Kong SAR” are the only two countries/areas that have reported infant deaths by sex each year from 1961 to 2002. Another 27 countries reported such data every year in the period 1991-2000. Some countries, on the other hand, have never provided data on infant deaths by sex since 1961. In Africa, for example, 27 countries have never provided data for the period from 1961 to 2002. There are 11 countries in Asia; 7 countries in Oceania; 2 in North America and 1 in Europe that have never provided data for the same period. More details can be obtained from Annex 10.

Infant deaths by sex and urban/rural residence

79. The more complicated the requested data are, i.e., the more cross-classification variables requested in the table, the lower responses there are from countries. The overall response rate, that is, the number of countries reported infant deaths by sex and urban/rural residence at least once for each geographical region and decade, is fairly low (Table 16). The increasing number of reporting countries in Asia and Europe from the period 1961-1970 to 1991-2000 is due to 1) the increased number of countries around early 1990s in both regions (43 countries in 1981-1990 to 50 in 1991-2000 in Asia; 38 to 48 in Europe); and 2) the increased proportion of countries in those regions that provided data on infant deaths by sex and urban/rural residence (9% in 1961-1970 to 32% in 1991-2000 in Asia; 43% to 56% in Europe).

80. No country responded to infant deaths by sex and urban/rural residence every year in the period 1961-2000. However, there are 12 countries/areas that reported such data every year between 1991 and 2000: Mauritius in Africa, El Salvador and Mexico in North America, Japan and Kyrgyzstan in Asia, Czech Republic, Hungary, Latvia, Lithuania, Serbia and Montenegro and Switzerland in Europe and New Zealand in Oceania. There are 143 countries that have never provided data on infant deaths by sex and urban/rural residence since 1961: 48

from Africa, 22 from North America, 8 from South America, 30 from Asia, 14 from Europe and 21 from Oceania. The non-response rate is relatively high, partly due to the fact that not every country/area collects data by urban/rural area. More details can be obtained from Annex 11.

Table 16. Number of countries that reported infant deaths by sex and urban/rural residence at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	4	58	6	58	4	56	5	56	1	56
America, North	6	36	11	37	9	37	9	37	3	37
America, South	3	14	2	15	5	14	4	14	-	14
Asia	4	47	8	45	11	43	16	50	5	51
Europe	16	37	13	38	15	38	27	48	13	48
Oceania	2	25	3	29	2	28	1	25	-	25
Total	35	217	43	222	46	216	62	230	22	231

Infant deaths by age and sex of child

81. In general, fewer than half of countries have reported at least once data on infant deaths by age and sex of child at least once during each decade since 1961. A declining number of countries in Africa, South America, and Oceania have responded. There is a significant increasing number of reporting countries from the period 1981-1990 to 1991-2000 in Asia and Europe (Table 17), which is due to 1) an increased total number of countries around early 1990s in these two geographic regions and 2) an increased proportion of countries reporting data on infant deaths by age and sex of child between those two periods (35% in 1981-1990 to 50% in 1991-2000 in Asia; 74% to 83% in Europe).

82. No country has reported every year since 1961. However, five countries/areas – China, Hong Kong SAR and Macao SAR, Czech Republic, Australia and New Zealand – reported infant deaths by age and sex each year from 1991 to 2000. There are 88 countries that have never reported such data since 1961. Detailed information on the number of responses on infant deaths by age and sex by decade for each country is presented in Annex 12.

Table 17. Number of countries that reported infant deaths by age and sex of child at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	8	58	8	58	7	56	6	56	-	56
America, North	18	36	23	37	26	37	23	37	-	37
America, South	8	14	12	15	10	14	10	14	-	14
Asia	9	47	15	45	15	43	25	50	2	51
Europe	26	37	27	38	28	38	40	48	22	48
Oceania	6	25	10	29	7	28	5	25	-	25
Total	75	217	95	222	93	216	109	230	24	231

Infant deaths by month of occurrence

83. Due to the unavailability of data for the period 1961-1970, analysis will only be based on the period from 1971 to 2002. An increasing response is observed for both Asia and Europe from the period 1971-1980 to 1991-2000. The increase is due to 1) an increased total number of countries in the early 1990s for both regions (43 in 1981-1990 to 50 in 1991-2000 in Asia; 38 to 48 in Europe); and 2) an increasing proportion of countries providing data on infant deaths by month of occurrence (22% in 1971-1980 to 46% in 1991-2000 in Asia; 63% to 81% in Europe). There is a slight increase in the number of countries that responded over the three decades in Africa. For the rest of the regions – North America, South America and Oceania – an increasing response is observed from the period 1971-1980 to 1981-1990 and followed by a decreasing response from the period 1981-1990 to 1991-2000. Such curve might be explained by the fact countries/areas might need longer period to process such data and it is still possible to receive data from countries for the period 1991-2000 later. No response yet for the year between 2001 and 2002, which is an indication of the lack of recency for data on deaths by month of occurrence.

84. In terms of the frequency of response, Singapore is the only country that has reported infant deaths by month of occurrence at least 8 times within each decade for the 1980 and 1990 decades. There are 113 countries that have never reported such data since the beginning of the data collection process (Annex 13).

Table 18. Number of countries that reported infant deaths by month of occurrence at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	-	58	4	58	7	56	8	56	-	56
America, North	-	36	14	37	24	37	17	37	-	37
America, South	-	14	6	15	8	14	6	14	-	14
Asia	-	47	10	45	16	43	23	50	-	51
Europe	-	37	24	38	28	38	39	48	-	48
Oceania	-	25	5	29	10	28	6	25	-	25
Total	-	217	63	222	93	216	99	230	-	231

Life tables

85. The following information on life tables are collected for countries and areas through the *Demographic Yearbook* Vital Statistics Questionnaire:

- Abridged life table: life expectancy by sex
- Abridged life table: probability of dying by sex
- Abridged life table: number of surviving by sex
- Complete life table: life expectancy by sex
- Complete life table: probability of dying by sex
- Complete life table: number of surviving by sex

Abridged life table: life expectancy by sex

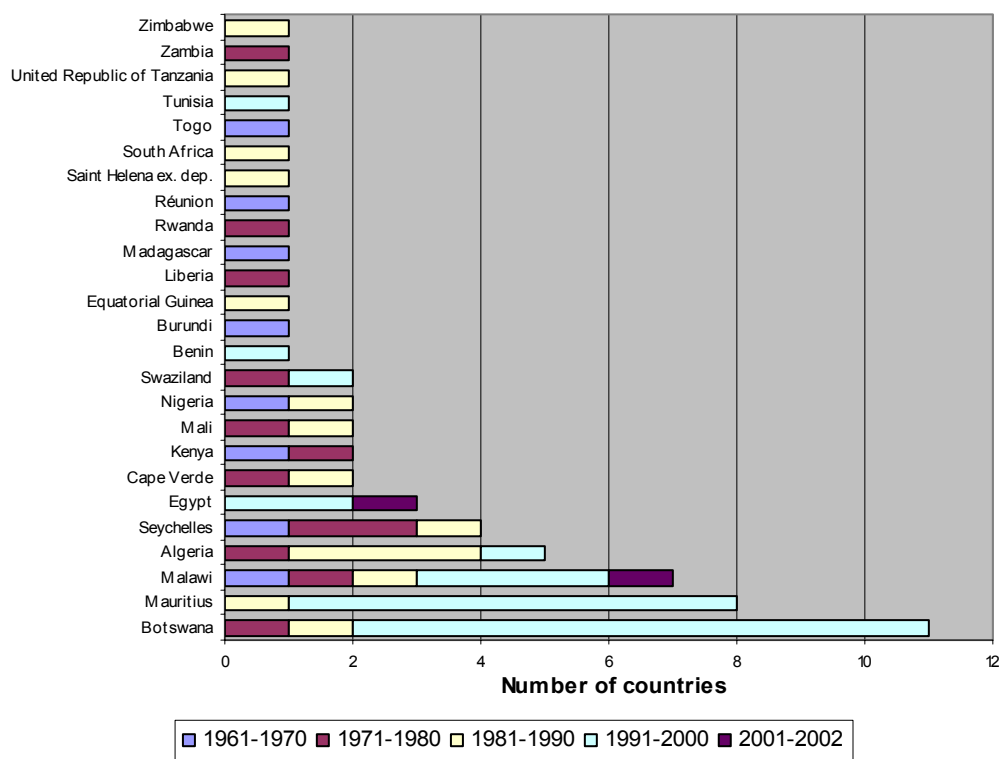
86. The number of countries that have provided life expectancy by sex by five-year age groups at least once in a decade is presented in Table 19. There are 18 more countries provided such data at least once in the period of 1991-2000 compared to 1961-1970. However, the increase is a mixture of an increasing number of reporting countries in Europe and a decreasing number of reporting countries in Africa and Asia, mainly from 1981-1990 to 1991-2000.

Table 19. Number of countries that reported life expectancy by sex in an abridged life table at least once, by decade and geographical region

	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	8	58	11	58	13	56	8	56	2	56
America, North	16	36	17	37	15	37	15	37	1	37
America, South	7	14	9	15	9	14	10	14	1	14
Asia	17	47	20	45	26	43	16	50	2	51
Europe	19	37	20	38	13	38	34	48	9	48
Oceania	3	25	7	29	3	28	5	25	-	25
Total	70	217	84	222	79	216	88	230	15	231

87. Table 19 shows by geographical region the number of countries that had reported life expectancy by sex by 5-year age groups at least once in the period 1961-2002, by decade. Figure 3 presents the frequency of reporting life expectancy by sex in 5-year age groups for African countries during the same period. Most countries in Africa, who had reported life expectancy by sex by 5-year age groups at least once from 1961 to 2002, only reported once or twice over the 42-year period, with the exception of six countries, such as Algeria, Botswana, Egypt, Malawi, Mauritius and Seychelles. Annex 14 presents similar information for other geographic regions in a tabular format.

Figure 3. Frequency of reporting on life expectancy by sex by five-year age groups for African countries (1961-2002)



Abridged life table: probability of dying by sex

88. Fewer countries responded to request on the probability of dying by sex in 5-year age groups than to life expectancy request (Table 19 and Table 20). There are, however, nearly two times as many countries in the period 1991-2000 (80) responded as in the period 1961-1970 (43). A significant increase in the reporting proportion is observed for Europe from the period 1981-1990 to 1991-2000. Both Africa and Asia have declined number of countries reporting from 1981-1990 to 1991-2000.

89. No country has reported data on probability of dying by sex by 5-year age group each year since 1961, while only Singapore provided probability of dying by sex in 5-year age groups every year from 1991 to 2000. There are 108 countries that have never provided the probability in an abridged life table since 1961 (Annex 15).

Table 20. Number of countries that reported probability of dying by sex in an abridged life table at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	7	58	13	58	9	56	5	56	1	56
America, North	12	36	14	37	16	37	16	37	-	37
America, South	4	14	9	15	8	14	8	14	-	14
Asia	8	47	13	45	20	43	13	50	-	51
Europe	12	37	14	38	13	38	33	48	-	48
Oceania	-	25	-	29	4	28	5	25	-	25
Total	43	217	63	222	70	216	80	230	1	231

Abridged life table: number of surviving by sex

90. Table 21 presents the number of countries in a geographical region that have reported the at least once in each decade. The trend on number of surviving by sex in 5-year age groups response over time is similar to the one for life expectancy and for probability of dying as well, i.e., there is an increase in the proportion replied in Europe over the years (49% in 1961-1970 and 54% in 1991-2000) and a decrease response in both Africa and Asia, especially from the period 1981-1990 to 1991-2000.

91. No country has reported data on number of surviving by sex by 5-year age group each year since 1961, while Singapore is still the only country who provided probability of dying by sex in 5-year age groups every year between 1991 and 2000. There are 104 countries that have never provided the probability in an abridged life table since 1961 (Annex 16).

Table 21. Number of countries that reported the number of surviving by sex in an abridged life table at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	7	58	12	58	11	56	5	56	1	56
America, North	13	36	14	37	15	37	15	37	-	37
America, South	4	14	8	15	8	14	8	14	-	14
Asia	9	47	11	45	19	43	14	50	-	51
Europe	18	37	19	38	9	38	26	48	-	48
Oceania	3	25	3	29	2	28	4	25	-	25
Total	54	217	67	222	64	216	72	230	1	231

Complete life table: life expectancy by sex

92. Fewer countries reported data for complete life tables than for the abridged (Table 22). There was a significant difference in the number of countries reporting at least once in the 1960s (70 countries for abridged life table and 2 countries for the complete life table). However, the difference is diminishing over time: 88 countries have provided life expectancy by sex at least once on abridged life table compared with 55 countries of reporting life expectancy by sex at least once in a complete life table.

93. There is no country that has reported every year since 1961, while four countries/areas – China Hong Kong SAR, Czech Republic, Hungary and Latvia - provided data on life expectancy by sex in single-year age groups every year in the period 1991-2000. There are 169 countries that have never provided life expectancy data in single-year age groups since 1961. More detailed information is available in Annex 17.

Table 22. Number of countries that reported life expectancy by sex in a complete life table at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	-	58	1	58	1	56	-	56	-	56
America, North	1	36	3	37	3	37	4	37	-	37
America, South	-	14	1	15	3	14	2	14	-	14
Asia	-	47	3	45	6	43	11	50	1	51
Europe	1	37	18	38	18	38	36	48	8	48
Oceania	-	25	2	29	2	28	2	25	-	25
Total	2	217	28	222	33	216	55	230	9	231

Complete life table: probability of dying by sex

94. A small number of countries have reported data on probability of dying by sex by single-year age group, although the number increased from 1 in the period 1961-1970 to 52 in 1991-2000 (Table 23). There is an increasing number of reporting countries in Asia and Europe over the period from 1961 to 2000.

95. No country has reported the probability of dying by sex in single-year age groups every year since 1961; and nor did any country reported every year between 1991 and 2000. Seven countries/areas - China: Hong Kong SAR, Austria, Belarus, Czech Republic, Hungary, Latvia and Netherlands - provided data on

probability of dying by sex in single-year age groups at least 8 times in the period 1991-2000. There are 172 countries that have never provided probability of dying by sex in single-year age groups since 1961 (Annex 18).

Table 23. Number of countries that reported probability of dying by sex in a complete life table at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	-	58	1	58	1	56	-	56	-	56
America, North	-	36	2	37	3	37	4	37	-	37
America, South	-	14	1	15	3	14	2	14	-	14
Asia	-	47	2	45	6	43	10	50	-	51
Europe	1	37	16	38	19	38	34	48	-	48
Oceania	-	25	3	29	2	28	2	25	-	25
Total	1	217	25	222	34	216	52	230	-	231

Complete life table: number of surviving by sex

96. Similar trend in the reporting on the number surviving by sex by single-year age group is observed as in the reporting of probability of dying: there is an increasing number of countries reporting in the world and the increasing trend is mostly within Asia and Europe from the period 1961-1970 to 1991-2000 (Table 23 and Table 24).

97. There is no country that have reported number of surviving by sex in single-year age group each year since 1961; and no country reported every year either for the period 1991-2000. Six countries - China: Hong Kong SAR, Austria, Belarus, Czech Republic, Hungary and Latvia - provided these data at least 8 times from 1991 to 2000. There are 171 countries that have never provided number of surviving by sex in single-year age groups since 1961 (Annex 19).

Table 24. Number of countries that reported number of surviving by sex in a complete life table at least once, by decade and geographical region

Region	1961-1970		1971-1980		1981-1990		1991-2000		2001-2002	
	Reported	Total	Reported	Total	Reported	Total	Reported	Total	Reported	Total
Africa	-	58	1	58	1	56	-	56	-	56
America, North	1	36	3	37	3	37	4	37	-	37
America, South	-	14	1	15	3	14	2	14	-	14
Asia	1	47	2	45	6	43	10	50	-	51
Europe	1	37	16	38	19	38	31	48	-	48
Oceania	-	25	2	29	2	28	2	25	-	25
Total	3	217	25	222	34	216	49	230	-	231

Female population by age and number of children living

98. Data on female population (15 years and older) disaggregated by age and number of children living can be combined with data on female population by age and number of children born alive to estimate child mortality. This table is important, especially in developing countries, where civil registration for deaths is weak or absent. Table 25 below presents the number of countries that have reported data on female population (15 years and older) disaggregated by age and number of children living at least once for each census decade. The census decade is used here because such data are typically obtained from population censuses. Detailed information at country level is available in Annex 20.

99. Meaningful analysis in this context will be to compare the number of countries that provided such data in each census round with the number of countries that have conducted census in the decade had asked related questions on the national census questionnaires. Unfortunately, information is rather limited on whether a country, in a national census, has asked the number of children living for female population, especially for census decades before 1985. However, one does observe that the number of countries that have reported female population by age and number of children living has increased over time, especially in Africa (Annex 20).

Table 25. Number of countries that reported on female population by age and number of children living for each census decade, by geographical region

	1945-1954	1955-1964	1965-1974	1975-1984	1985-1994	1995-2004
Africa	1	3	6	9	13	1
America, North	1	2	6	6	2	1
America, South	1	-	5	9	8	2
Asia	-	9	12	14	18	8
Europe	3	4	5	3	10	1
Oceania	-	5	8	10	4	2
Total	6	23	42	51	55	15

Conclusions of data collection on mortality

100. The United Nations mortality data collection activities are analyzed by investigating the data collected on deaths, infant deaths, life tables and female population by age and children living. From the analysis in the above subsections, the following are the main findings that could be emphasized.

101. While most countries have reported data on various topics at least once from 1961 to 2002, there are significant variations by tables. The response rate of infant deaths data is lower than the response rate of deaths. The response level to life tables is relatively low, compared with the response to deaths and infant deaths data.

102. The frequency of countries that reported varied from one type of data to another. For example, 22 countries reported data on total number of deaths every year from 1961 to 2002, while only 10 countries reported data on total number infant deaths every year for the same period. For abridged life tables, only one country reported data every year from 1961 to 2002; and no countries reported data on complete life tables every year for the same period.

103. The response rate is much lower when deaths and infant deaths are cross-classified by additional explanatory variables such as sex or urban/rural residence than for tables without the additional variables.

104. The trend of the response rate varied by geographical regions and by the topics (deaths or infant deaths). In general, both Asia and Europe have consistently increasing numbers of responding countries within the region for all type of mortality, due to both an increase in the total number of countries and an increased proportion of countries reporting in those regions. Other geographical regions, such as Africa, North America and Oceania, are observed to have somewhat decreasing number of responding countries on deaths. One plausible observation is that the number of countries in Africa that have provided data on female population by age and number of children living has increased over time.

105. The mortality data collection varies greatly according to the mortality topics (deaths, infant deaths and life tables) and the cross-classified variables. The analysis could be used in providing technical assistance and helping countries build their statistical capacity. The next section will discuss the data disseminated according what have been collected, which could help the United Nations Statistics Division monitor its mortality data collection and dissemination activities. If the data collected have not been disseminated, then UNSD would need to consider either publishing these data or reducing the size of the questionnaires to release burdens on countries.

Chapter 5 Data Dissemination and compare to data collection

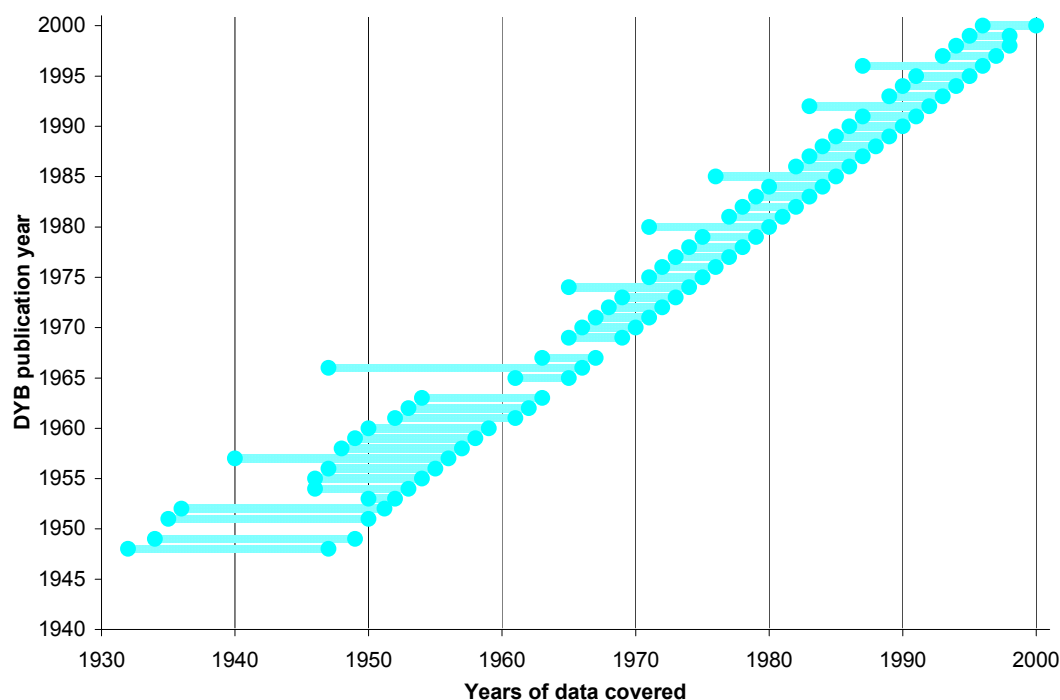
106. This section will provide a review of the mortality tables disseminated from the first *Demographic Yearbook* 1948 to 2000. The tables from both the regular issues of *Demographic Yearbook* and *Demographic Yearbook* with special topic on mortality will be discussed. The section has two subsections – one dedicated to the regularly disseminated tables and the other one to those only published a number of times in the special issues of *Demographic Yearbook*, respectively.

Regularly disseminated tables

107. Eight mortality tables are disseminated regularly in the *Demographic Yearbook*: the number of deaths, infant deaths, maternal deaths; deaths by cause; deaths by age and sex; infant deaths by age and sex; and life expectancy by sex. Also it is important to note that data for these tables other than deaths by cause collected from tables in the Vital Statistics Questionnaire. Deaths by cause data are provided by the World Health Organisation and will not be discussed further at this moment.

108. *The number of deaths.* The *Demographic Yearbook* has disseminated the number the deaths table regularly since the 1948 issue. Deaths by urban/rural residence were introduced in the *Demographic Yearbook* in 1967 and have been published annually since 1969. Each table on the number of deaths in the *Demographic Yearbook* covers a period of time, but the length of the period varied from one *Demographic Yearbook* issue to another. Although collection began in 1948, data on the total number of deaths have covered the period from 1932 to 2000. A 10-year period of death data were covered in each yearbook before 1965. The length was reduced to 5-year after 1965, except in *Demographic Yearbook* with special coverage on mortality, for which the length was 10 years. For example the 1974, 1980, 1985, 1992 and 1996 issues all have a coverage of 10-year period (Figure 4 and Annex 21).

Figure 4. Years of data on the number of deaths covered in all *Demographic Yearbook*



109. *Deaths by cause.* *Demographic Yearbook* has covered deaths by cause data since 1951. In the special issues on mortality, deaths by cause data were also cross-classified by other variables, such as age, sex and medical certification (Annex 21).

110. *Deaths by age and sex* have regularly been disseminated since 1955, while the latest available data were presented in the table. Deaths by age, sex and urban/rural residence have been disseminated since 1967. Similarly, latest available data were presented in the table. *Demographic Yearbook* special issues on mortality presented deaths by age and sex data for a period of time (Annex 21).

111. *Number of Infant deaths.* The coverage of the number of infant deaths in the *Demographic Yearbook* is similar to the coverage of the number of deaths. Data on the total number of infant deaths have been regularly disseminated since 1948; and data on total number of infant deaths by urban/rural residence was introduced in 1967 and have been published annually since 1969. Figure 4 can also be applied to the coverage of infant deaths.

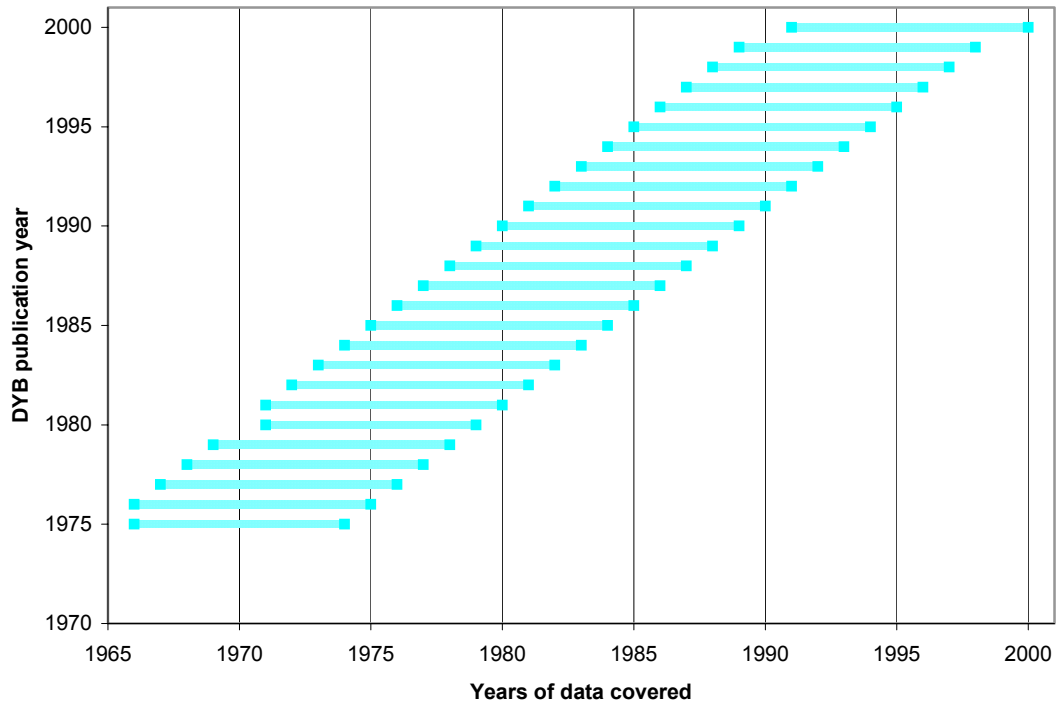
112. *Infant deaths by age and sex.* The *Demographic Yearbook* started disseminating infant deaths by age and sex regularly since 1971, only the latest available data were presented in the regular *Demographic Yearbook* tables. The

Demographic Yearbook special issues on mortality, however, presented infant deaths by age and sex for a period of time, such as *Demographic Yearbooks* published in 1974, 1980, 1985, 1992 and 1996.

113. *Life expectancy.* The data on life expectancy at specified ages for each sex were disseminated regularly from 1948. The latest available year of data were generally provided in the *Demographic Yearbook*, some special issues of *Demographic Yearbook*, however, provided data for the latest two years or for a period of time longer than two years. For example, the *Demographic Yearbook* special issue on mortality in 1957, 1961 and 1967 reported such data for the period of 1900-56, 1940-60 and 1900-66, respectively. The historical supplement of *Demographic Yearbook*, which was published in 1978, reported life expectancy for the period of 1948-77.

114. *Number of maternal deaths.* The data on the number of maternal deaths have been disseminated regularly since 1975. The data were reported for a period of time. Figure 5 presents the data coverage on the number of maternal deaths from the *Demographic Yearbook*. It can be observed that the data were disseminated regularly each year, while a period of 10 years of data were reported in each *Demographic Yearbook* since 1976. Data on maternal deaths from 1966 to 2000 were covered (Annex 21).

Figure 5. Years of data on the number of maternal deaths covered in *Demographic Yearbook*



Tables not regularly disseminated

115. There are 14 mortality tables that had been disseminated at least once in the *Demographic Yearbook*. The following table presents these 14 tables and years that they were published in the *Demographic Yearbook*. These tables were mostly published in the *Demographic Yearbook* special topic issues.

Table 26. Tables that have been disseminated by *Demographic Yearbook* at least once but not regularly

Tables	Years of <i>Demographic Yearbook</i> covered this table
Deaths by marital status, age and sex	1958, 1961 ^a , 1967 ^a , 1974 ^a , 1980 ^a , 1985 ^a , 1996 ^a
Deaths of males by age and occupation	1957 ^a , 1961 ^a , 1967 ^a
Deaths by month of occurrence	1951 ^a , 1967 ^a , 1974 ^a , 1980 ^a , 1985 ^a
Deaths by cause and sex	1967 ^a , 1974 ^a , 1980 ^a , 1985 ^a , 1996 ^a
Deaths by cause, age and sex	1951 ^a , 1957 ^a , 1961 ^a , 1967 ^a , 1974 ^a , 1980 ^a , 1985 ^a , 1996 ^a
Deaths by cause and medical certificate	1957 ^a , 1961 ^a , 1966 ^a , 1974 ^a , 1980 ^a , 1985 ^a
Infant deaths by age and sex	1948, 1951 ^a , 1961 ^a , 1967 ^a
Infant deaths by month of occurrence	1967 ^a , 1974 ^a , 1980 ^a , 1985 ^a
Perinatal deaths	1961 ^a , 1966 ^a , 1971 ^b , 1974 ^a , 1980 ^a , 1985 ^a , 1996 ^a
Female population, children ever born alive	1963, 1969 ^c , 1971 ^b , 1973 ^b , 1978 ^d , 1981 ^c , 1986 ^c , 1997 ^d
Female population, children living	1963, 1969 ^c , 1971 ^b , 1973 ^b , 1978 ^d , 1981 ^c , 1986 ^c , 1997 ^d

a. *Demographic Yearbook* special topic on mortality

b. *Demographic Yearbook* special topic on censuses

c. *Demographic Yearbook* special topic on natality

d. *Demographic Yearbook* historical supplement

116. It can be observed from Table 26 that there are a number of tables that have not been disseminated recently, the data in these tables, however, have been collected regularly through the Vital Statistics Questionnaire. These tables are: deaths of males by age and occupation; deaths by month of occurrence; infant deaths by age and sex; and infant deaths by month of occurrence. The decision need to be made to either disseminate data in future issues of *Demographic Yearbook* or remove the corresponding data collection table from the Vital Statistics Questionnaire to reduce the burden of countries.

117. The data on deaths by cause and medical certificate have not been provided since 1998 by the World Health Organisation and therefore, and are not currently disseminated¹⁵. The remaining tables are being disseminated to reflect the latest available data and they are: deaths by marital status, age and sex; deaths by cause and sex; deaths by cause, age and sex; perinatal deaths; and tables on female population by children ever born alive and living.

Conclusion on data dissemination

118. There are 8 mortality tables that are disseminated regularly either through the annual issues of the *Demographic Yearbook* or through the special topic issue of *Demographic Yearbook*. These tables were disseminated fully throughout the years and they are: the number of deaths, infant deaths, maternal deaths; deaths by

¹⁵ United Nations Statistics Division and the World Health Organisation are currently reviewing the process of reporting the short-list cause of death in the *Demographic Yearbook*.

cause¹⁶; deaths by age and sex; infant deaths by age and sex; and life expectancy by sex.

119. There are 11 mortality tables that have been disseminated for a few times but not regularly. Most of these tables were published in the special issues of *Demographic Yearbook*. Some of these tables covered the latest available data, while the others did not. The six tables that were published to reflect the latest available data are: deaths by marital status, age and sex; deaths by cause and sex; deaths by cause¹⁷, age and sex; perinatal deaths; and female population with children ever born alive and living.

120. Four tables have been disseminated in the *Demographic Yearbook*, but not reflecting the latest available data and they are: deaths of males by age and occupation; deaths by month of occurrence; infant deaths by age and sex and infant deaths by month of occurrence. There are two possible ways to reduce this gap: 1) publish these tables to cover the latest available data in a *Demographic Yearbook* special issue on mortality or on the web as soon as possible; and 2) remove tables that collect these data from the Vital Statistics Questionnaire. More discussions are necessary before any of these solutions is selected. The data on deaths by cause and medical certificate have not been provided by WHO since 1998, and therefore, can not be currently disseminated.

121. This report only reviews tables on mortality through the *Demographic Yearbook*, one has to keep in mind that there are alternatives of data dissemination by the United Nations Statistics Division, such as through other publications, such as the *Population and Vital Statistics Report*, Quarterly publication, *World's Women 2000: Trends and Statistics* and the internet as well as through technical reports such as this one. These dissemination strategies are not discussed in the report and will be thoroughly reviewed in the future.

¹⁶ Suspended temporarily in the *Demographic yearbook* 2001; data published in *Demographic Yearbook* 1998, 1999 and 2000 are deaths by Global Burden of Disease classification.

¹⁷ Until *Demographic Yearbook* 2000.

Appendix A. Total number of countries and areas

Annex 1. Number of countries and areas by continent for the four decades between 1961 and 2000 ^a

	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa	58	58	56	56	56
America, North	36	37	37	37	37
America, South	14	15	14	14	14
Asia	47	45	43	50	51
Europe	37	38	38	48	48
Oceania	25	29	28	25	25
Total	217	222	216	230	231

Source: United Nations *Demographic Yearbook*

a. The number of countries/areas has changed considerably over the past years (a large number of countries/areas were formed after the dissolution of USSR or Former Yugoslavia and certain countries/areas have vanished over time). To reflect this trend, it was decided that the number of countries/areas in each geographic region would be assigned as the number of countries/areas at a mid-point year. 1965, 1975, 1985 and 1995 were selected as years and Table 3 or table 4 (total population) of the *Demographic Yearbook* was used to obtain this number.

Appendix B. General mortality

Total number of deaths

Annex 2. Frequency of reporting by National Statistical Authorities on total number of deaths (1961-2002) ^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	7	9	10	10	1
Angola	10	4	-	-	-
Benin	-	-	-	4	1
Botswana	-	-	-	9	1
Burkina Faso	-	-	-	-	-
Burundi	-	-	-	1	-
Cameroon	-	-	-	-	-
Cape Verde	10	10	5	5	-
Central African Republic	-	-	1	-	-
Chad	-	-	-	-	1
Comoros	1	1	1	-	-
Congo	-	-	-	-	-
Côte d'Ivoire	-	-	-	2	-
Democratic Republic of the Congo	-	-	-	-	-
Djibouti	2	-	-	-	-
Egypt	10	10	10	9	-
Equatorial Guinea	7	-	-	-	-
Eritrea	-	-	-	-	-
Ethiopia	-	-	-	1	-
Gabon	-	-	-	-	-
Gambia	-	-	-	-	-
Ghana	10	5	-	-	-
Guinea	-	-	-	-	-
Guinea-Bissau	10	-	1	-	-
Kenya	7	8	2	2	-
Lesotho	-	1	-	-	-
Liberia	1	1	-	-	-
Libyan Arab Jamahiriya	8	10	8	7	1
Madagascar	10	2	1	-	-
Malawi	-	2	1	1	1
Mali	-	1	1	-	-
Mauritania	-	-	-	1	-
Mauritius	-	-	4	10	1
Morocco	1	-	9	8	-
Mozambique	10	4	1	1	-
Namibia	-	-	-	-	-
Niger	-	-	-	-	-
Nigeria	-	-	5	-	-
Rwanda	3	-	1	-	-
Réunion	10	10	10	9	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Saint Helena ex. dep.	10	9	9	10	1
Saint Helena: Ascension	-	9	1	-	-
Saint Helena: Tristan da Cunha	-	1	9	4	-
Sao Tome and Principe	10	8	9	1	-
Senegal	-	-	-	-	-
Seychelles	10	10	10	10	2
Sierra Leone	-	4	6	-	-
Somalia	-	-	-	-	-
South Africa	-	-	-	6	-
Sudan	-	-	-	-	-
Swaziland	-	1	-	1	-
Togo	1	-	-	-	-
Tunisia	10	10	10	9	1
Uganda	-	-	-	-	-
United Republic of Tanzania	-	-	-	-	-
Western Sahara	10	2	-	-	-
Zambia	-	-	-	-	-
Zimbabwe	-	-	-	2	-
America, North					
Anguilla	-	-	4	10	2
Antigua and Barbuda	10	10	10	10	-
Aruba	-	7	10	6	1
Bahamas	10	10	10	9	-
Barbados	10	10	10	7	-
Belize	10	10	10	10	2
Bermuda	10	10	10	9	-
British Virgin Islands	7	10	9	1	-
Canada	10	10	10	10	2
Cayman Islands	10	10	10	9	1
Costa Rica	10	10	10	10	2
Cuba	10	10	10	10	1
Dominica	10	10	10	10	-
Dominican Republic	10	10	10	5	-
El Salvador	10	10	10	10	1
Greenland	10	10	10	9	-
Grenada	10	9	10	10	1
Guadeloupe	10	10	6	4	-
Guatemala	10	10	10	10	1
Haiti	-	1	-	-	-
Honduras	10	10	7	-	-
Jamaica	10	10	10	10	1
Martinique	10	10	10	3	-
Mexico	10	10	10	10	1
Montserrat	10	10	6	-	-
Netherlands Antilles	10	10	7	9	-
Nicaragua	9	7	7	8	-
Panama	10	10	10	9	-
Puerto Rico	10	10	10	9	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Saint Kitts-Nevis	10	10	10	10	-
Saint Lucia	10	10	10	10	2
Saint Pierre and Miquelon	10	8	5	6	-
Saint Vincent and the Grenadines	10	7	6	9	1
Trinidad and Tobago	10	10	10	7	1
Turks Caicos Islands	9	10	3	-	-
United States	10	10	10	10	1
United States Virgin Islands	10	8	10	2	-
America, South					
Argentina	10	5	10	10	1
Bolivia	10	10	7	-	-
Brazil	-	7	10	9	1
Chile	10	10	10	9	-
Colombia	10	10	10	10	-
Ecuador	10	10	10	10	-
Falkland Islands (Malvinas)	10	10	10	10	-
French Guiana	10	9	6	8	-
Guyana	10	8	1	5	-
Paraguay	10	10	10	3	-
Peru	10	10	10	10	1
Suriname	6	3	5	10	-
Uruguay	10	10	10	10	-
Venezuela	10	10	10	10	-
Asia					
Afghanistan	-	1	-	-	-
Armenia	-	-	-	10	1
Azerbaijan	-	-	-	10	1
Bahrain	-	4	10	10	1
Bangladesh	-	1	7	1	-
Bhutan	-	-	-	-	-
Brunei Darussalam	10	10	10	8	-
Cambodia	-	-	-	-	-
China	10	10	10	9	-
China: Hong Kong SAR	10	10	10	10	2
China: Macao SAR	10	10	9	10	2
Cyprus	10	10	10	10	2
Georgia	-	-	-	10	1
India	4	-	-	-	-
Indonesia	3	1	2	-	-
Iran (Islamic Republic of)	10	10	9	3	-
Iraq	10	8	7	10	-
Israel	10	10	10	10	1
Japan	10	10	10	10	1
Jordan	10	10	10	10	-
Kazakhstan	-	2	10	10	1
Korea (Dem. People's Republic of)	-	-	-	1	-
Korea (Republic of)	7	6	10	10	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Kuwait	10	10	9	10	2
Kyrgyzstan	-	-	-	10	1
Lao Peoples Democratic Republic	-	-	-	-	-
Lebanon	10	2	1	10	-
Malaysia	-	-	1	10	-
Maldives	3	7	10	9	1
Mongolia	1	5	8	7	1
Myanmar	-	-	-	2	-
Nepal	-	-	-	-	1
Occupied Palestinian Territory	-	-	-	5	1
Oman	-	-	1	9	-
Pakistan	1	4	7	7	-
Philippines	10	10	10	8	-
Qatar	1	10	10	10	-
Saudi Arabia	-	-	-	2	-
Singapore	10	10	10	10	2
Sri Lanka	10	10	10	9	1
Syrian Arab Republic	10	10	10	10	1
Tajikistan	-	-	-	6	-
Thailand	10	10	10	9	1
Timor-Leste	8	1	-	-	-
Turkey	1	-	2	10	2
Turkmenistan	-	-	-	5	-
United Arab Emirates	-	-	-	4	-
Uzbekistan	-	-	-	9	1
Viet Nam	-	-	4	-	-
Yemen	-	-	1	-	-
Europe					
Albania	10	4	10	8	-
Andorra	1	9	10	8	2
Austria	10	10	10	10	1
Belarus	-	-	-	9	-
Belgium	10	10	10	10	1
Bosnia and Herzegovina	-	-	-	3	-
Bulgaria	10	10	10	10	1
Channel Islands: Guernsey	10	10	10	10	-
Channel Islands: Jersey	10	10	9	4	-
Croatia	-	-	-	10	1
Czech Republic	-	-	-	10	2
Denmark	10	10	10	10	2
Estonia	-	-	-	10	-
Faeroe Islands	10	10	10	6	-
Finland	10	10	10	10	2
France	10	10	10	10	1
Germany	-	-	-	10	1
Gibraltar	10	10	10	10	2
Greece	10	10	10	10	1
Holy See	1	8	1	1	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Hungary	10	10	10	10	2
Iceland	10	10	10	10	2
Ireland	10	10	10	10	2
Isle of Man	10	10	10	8	-
Italy	10	10	10	10	2
Latvia	-	-	-	10	2
Liechtenstein	10	10	10	7	-
Lithuania	-	-	-	10	1
Luxembourg	10	10	10	10	2
Malta	10	10	10	10	1
Monaco	8	10	3	7	-
Netherlands	10	10	10	10	2
Norway	10	10	10	10	2
Poland	10	10	10	10	2
Portugal	10	10	10	10	1
Republic of Moldova	-	-	-	10	1
Romania	10	10	10	10	1
Russian Federation	-	-	-	10	1
San Marino	10	9	9	9	-
Serbia and Montenegro	-	-	-	10	1
Slovakia	-	-	-	10	2
Slovenia	-	-	-	10	2
Spain	10	10	10	10	1
Sweden	10	10	10	10	1
Switzerland	10	10	10	10	2
The Former Yugoslav Rep. of Macedonia	-	-	-	9	1
Ukraine	-	-	-	10	2
United Kingdom	10	10	10	10	2
Oceania					
American Samoa	10	10	10	10	-
Australia	10	10	10	10	2
Christmas Islands	10	8	4	-	-
Cocos (Keeling) Islands	9	4	4	-	-
Cook Islands	10	10	8	7	-
Fiji	10	10	9	7	-
French Polynesia	10	10	10	10	-
Guam	10	10	9	8	-
Kiribati	5	1	-	-	-
Marshall Islands	-	-	5	7	1
Micronesia Federated States of	-	-	-	4	-
Nauru	8	3	1	-	-
New Caledonia	10	10	10	9	-
New Zealand	10	10	10	10	-
Niue	10	7	7	1	-
Norfolk Island	10	9	4	1	-
Northern Mariana Islands	-	-	7	9	-
Palau	-	6	10	9	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Papua New Guinea	-	-	-	-	-
Pitcairn	6	6	4	2	-
Samoa	10	9	3	4	-
Solomon Islands	-	-	-	-	-
Tokelau	1	10	3	-	-
Tonga	10	3	10	10	-
Tuvalu	-	-	-	1	-
Vanuatu	-	-	-	-	-
Wallis and Futuna Islands	6	-	-	-	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Deaths by sex

Annex 3. Frequency of reporting by National Statistical Authorities, among those that ever reported, on deaths by sex (1961-2002) ^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	-	3	4	6	1
Angola	10	3	-	-	-
Benin	-	-	-	4	1
Botswana	-	-	-	3	-
Cape Verde	10	6	4	5	-
Comoros	-	1	-	-	-
Egypt	10	10	10	9	-
Equatorial Guinea	7	-	-	-	-
Ghana	10	1	-	-	-
Guinea-Bissau	9	-	-	-	-
Kenya	4	4	-	-	-
Lesotho	-	1	-	-	-
Liberia	1	1	-	-	-
Libyan Arab Jamahiriya	8	10	8	7	-
Madagascar	8	2	-	-	-
Malawi	-	2	-	1	-
Mali	-	1	1	-	-
Mauritius	-	-	1	10	1
Morocco	-	-	2	8	-
Mozambique	9	3	-	1	1
Réunion	8	1	4	4	1
Saint Helena ex. dep.	8	8	9	10	1
Saint Helena: Ascension	-	8	1	-	-
Saint Helena: Tristan da Cunha	-	1	7	3	-
Sao Tome and Principe	10	7	1	-	-
Seychelles	10	10	10	8	1
Sierra Leone	-	-	1	-	-
South Africa	-	-	-	6	-
Swaziland	-	-	-	1	-
Togo	1	-	-	-	-
Tunisia	4	8	3	7	-
Western Sahara	5	-	-	-	-
Zimbabwe	-	-	-	2	-
America, North					
Anguilla	-	-	3	9	-
Antigua and Barbuda	5	7	6	-	-
Aruba	-	-	8	6	1
Bahamas	8	7	10	8	-
Barbados	10	9	10	3	-
Belize	10	10	10	8	-
Bermuda	10	10	10	8	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
British Virgin Islands	5	3	9	-	-
Canada	10	10	10	8	-
Cayman Islands	3	1	8	5	-
Costa Rica	10	10	8	7	-
Cuba	10	10	10	9	-
Dominica	9	-	5	-	-
Dominican Republic	10	9	9	3	-
El Salvador	10	10	10	10	1
Greenland	9	10	9	9	-
Grenada	9	9	10	10	1
Guadeloupe	10	-	6	2	-
Guatemala	10	10	10	9	-
Haiti	-	1	-	-	-
Honduras	10	10	3	-	-
Jamaica	-	-	1	1	-
Martinique	10	-	3	2	-
Mexico	10	10	10	10	1
Montserrat	10	10	6	-	-
Netherlands Antilles	7	3	2	-	-
Nicaragua	9	6	3	5	-
Panama	10	10	10	9	-
Puerto Rico	10	10	9	9	1
Saint Kitts-Nevis	10	10	10	10	-
Saint Lucia	10	10	10	10	1
Saint Pierre and Miquelon	9	1	1	-	-
Saint Vincent and the Grenadines	9	6	6	9	-
Trinidad and Tobago	10	10	10	7	-
Turks Caicos Islands	6	8	-	-	-
United States	9	10	9	10	1
United States Virgin Islands	10	3	10	1	-
America, South					
Argentina	10	4	10	8	1
Bolivia	10	10	-	-	-
Brazil	-	7	10	5	-
Chile	10	10	10	9	-
Colombia	10	10	10	6	-
Ecuador	10	10	10	6	-
Falkland Islands (Malvinas)	10	10	10	10	-
French Guiana	9	-	1	8	-
Guyana	8	6	1	3	-
Paraguay	10	9	8	1	-
Peru	5	6	-	-	-
Suriname	6	1	4	10	-
Uruguay	10	10	10	10	-
Venezuela	10	10	10	10	-
Asia					
Afghanistan	-	1	-	-	-
Armenia	-	-	-	10	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Azerbaijan	-	-	-	9	1
Bahrain	-	4	10	9	-
Bangladesh	-	1	7	-	-
Brunei Darussalam	10	10	10	7	-
China	-	-	1	1	-
China: Hong Kong SAR	2	9	10	10	2
China: Macao SAR	10	9	9	10	2
Cyprus	10	8	10	10	1
Georgia	-	-	-	7	1
India	4	-	-	-	-
Indonesia	1	-	-	-	-
Iran (Islamic Republic of)	6	10	9	2	-
Iraq	10	8	6	-	-
Israel	8	9	10	10	1
Japan	4	9	10	10	1
Jordan	10	10	9	8	-
Kazakhstan	-	-	4	9	-
Korea (Dem. People's Republic of)	-	-	-	1	-
Korea (Republic of)	3	6	10	10	1
Kuwait	9	10	9	9	-
Kyrgyzstan	-	-	-	10	1
Lebanon	8	2	-	-	-
Malaysia	-	-	1	8	-
Maldives	-	6	10	8	-
Mongolia	-	5	8	7	-
Myanmar	-	-	-	1	-
Nepal	-	-	-	-	1
Occupied Palestinian Territory	-	-	-	2	1
Pakistan	1	4	7	7	-
Philippines	10	8	10	8	-
Qatar	-	1	9	6	-
Saudi Arabia	-	-	-	2	-
Singapore	10	10	10	10	2
Sri Lanka	10	9	10	7	1
Syrian Arab Republic	10	10	10	8	-
Tajikistan	-	-	-	4	-
Thailand	10	10	10	8	-
Timor-Leste	8	-	-	-	-
Turkey	-	-	1	-	-
United Arab Emirates	-	-	-	3	-
Uzbekistan	-	-	-	7	-
Europe					
Albania	10	4	10	1	-
Andorra	-	3	10	8	1
Austria	10	10	10	10	1
Belarus	-	-	-	9	-
Belgium	10	10	10	9	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Bosnia and Herzegovina	-	-	-	3	-
Bulgaria	10	10	10	9	1
Channel Islands: Guernsey	9	10	9	10	-
Channel Islands: Jersey	10	10	9	4	-
Croatia	-	-	-	10	1
Czech Republic	-	-	-	10	1
Denmark	10	10	10	10	1
Estonia	-	-	-	9	-
Faeroe Islands	10	10	9	5	-
Finland	10	10	10	6	1
France	9	10	10	10	-
Germany	-	-	-	9	-
Gibraltar	9	10	10	10	2
Greece	10	10	6	9	1
Holy See	1	8	-	-	-
Hungary	10	10	10	10	1
Iceland	10	10	10	9	2
Ireland	10	10	10	9	1
Isle of Man	10	10	10	8	-
Italy	10	10	10	9	1
Latvia	-	-	-	10	1
Liechtenstein	8	10	7	5	-
Lithuania	-	-	-	10	1
Luxembourg	10	10	9	6	1
Malta	10	10	10	9	1
Monaco	7	-	3	6	-
Netherlands	10	10	10	10	1
Norway	10	10	10	9	1
Poland	10	10	10	9	1
Portugal	10	10	10	6	1
Republic of Moldova	-	-	-	7	1
Romania	10	10	10	10	1
Russian Federation	-	-	-	9	-
San Marino	10	9	9	8	-
Serbia and Montenegro	-	-	-	10	1
Slovakia	-	-	-	8	1
Slovenia	-	-	-	9	1
Spain	10	10	9	10	-
Sweden	10	10	10	9	1
Switzerland	10	10	10	10	1
The Former Yugoslav Rep. of Macedonia	-	-	-	7	1
Ukraine	-	-	-	8	2
United Kingdom	-	-	9	9	1
Oceania					
American Samoa	9	2	8	3	-
Australia	10	10	10	10	-
Christmas Islands	10	7	3	-	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Cocos (Keeling) Islands	5	3	4	-	-
Cook Islands	4	9	8	-	-
Fiji	10	10	6	-	-
French Polynesia	7	2	-	-	-
Guam	10	10	7	2	-
Kiribati	1	1	-	-	-
Marshall Islands	-	-	4	5	-
Nauru	5	1	-	-	-
New Caledonia	7	9	10	9	-
New Zealand	10	10	10	10	-
Niue	7	2	6	-	-
Norfolk Island	10	8	4	-	-
Northern Mariana Islands	-	-	3	-	-
Pitcairn	-	4	4	1	-
Samoa	10	9	-	-	-
Tokelau	1	9	2	-	-
Tonga	6	1	3	10	-
Wallis and Futuna Islands	1	-	-	-	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Deaths by sex and urban/rural residence

Annex 4. Frequency of reporting by National Statistical Authorities, among those ever reported, on deaths by sex and urban/rural residence (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Egypt	1	10	9	9	-
Ghana	1	-	-	-	-
Liberia	1	-	-	-	-
Malawi	-	2	-	1	-
Mali	-	1	1	-	-
Mauritius	-	-	1	10	1
Morocco	-	-	2	6	-
Mozambique	-	-	-	1	-
Seychelles	3	1	-	-	-
South Africa	-	-	-	3	-
Swaziland	-	-	-	1	-
Tunisia	2	6	3	2	-
Zimbabwe	-	-	-	1	-
America, North					
Antigua and Barbuda	-	5	-	-	-
Cuba	2	4	10	8	-
Dominican Republic	2	6	5	-	-
El Salvador	5	9	10	10	1
Greenland	-	-	-	8	-
Guatemala	7	8	8	-	-
Haiti	-	1	-	-	-
Mexico	3	9	6	10	1
Nicaragua	7	5	3	5	-
Panama	5	9	10	9	-
Puerto Rico	1	10	9	8	1
Saint Kitts-Nevis	-	8	4	-	-
Saint Lucia	-	-	-	5	-
Saint Vincent and the Grenadines	-	1	1	1	-
Turks Caicos Islands	-	8	-	-	-
America, South					
Bolivia	-	6	-	-	-
Chile	-	-	8	9	-
Colombia	3	-	9	6	-
Ecuador	3	10	10	6	-
Falkland Islands (Malvinas)	-	3	1	-	-
Paraguay	-	7	7	-	-
Suriname	-	-	2	9	-
Asia					
Afghanistan	-	1	-	-	-
Armenia	-	-	-	10	-
Azerbaijan	-	-	-	9	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Bangladesh	-	1	7	-	-
Brunei Darussalam	-	7	2	-	-
China	-	-	1	-	-
Cyprus	-	1	-	-	-
Georgia	-	-	-	7	1
Iran (Islamic Republic of)	3	10	9	2	-
Israel	1	6	8	10	1
Japan	-	5	10	10	1
Jordan	-	2	-	-	-
Kazakhstan	-	-	4	9	-
Korea (Republic of)	-	-	4	10	1
Kyrgyzstan	-	-	-	10	1
Maldives	-	1	8	7	-
Mongolia	-	1	7	2	-
Myanmar	-	-	-	1	-
Pakistan	1	4	7	7	-
Sri Lanka	-	2	8	3	-
Tajikistan	-	-	-	4	-
Thailand	-	3	8	5	-
Turkey	-	-	1	-	-
Uzbekistan	-	-	-	7	-
Europe					
Albania	6	4	10	1	-
Andorra	-	-	7	1	-
Austria	5	8	10	9	-
Belarus	-	-	-	9	-
Bulgaria	5	10	10	8	1
Croatia	-	-	-	9	1
Czech Republic	-	-	-	10	1
Denmark	4	-	-	-	-
Estonia	-	-	-	8	-
Faeroe Islands	4	6	-	-	-
Finland	5	10	10	5	1
France	-	3	10	9	-
Greece	4	10	6	8	-
Hungary	5	10	10	10	1
Iceland	-	-	-	5	-
Ireland	4	10	10	9	-
Isle of Man	3	-	-	-	-
Latvia	-	-	-	10	1
Lithuania	-	-	-	9	1
Luxembourg	5	9	-	-	-
Malta	1	-	-	-	-
Netherlands	4	10	6	1	1
Norway	6	10	-	-	-
Poland	6	10	10	9	-
Portugal	-	-	3	2	-
Republic of Moldova	-	-	-	7	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Romania	4	4	5	9	1
Russian Federation	-	-	-	8	-
San Marino	-	-	5	6	-
Serbia and Montenegro	-	-	-	10	-
Slovakia	-	-	-	7	1
Slovenia	-	-	-	9	1
Switzerland	-	2	9	10	1
The Former Yugoslav Rep. of Macedonia	-	-	-	5	1
Ukraine	-	-	-	8	2
Oceania					
Fiji	-	2	6	-	-
French Polynesia	-	2	-	-	-
Guam	-	8	7	2	-
New Zealand	5	9	10	10	-
Samoa	-	3	-	-	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Deaths by age and sex

Annex 5. Frequency of reporting by National Statistical Authorities, among those that ever reported, on deaths by age and sex (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	2	1	4	2	-
Angola	10	3	-	-	-
Cape Verde	5	6	4	1	-
Central African Republic	-	-	1	-	-
Egypt	10	10	9	9	-
Ghana	4	1	-	-	-
Guinea-Bissau	3	-	-	-	-
Kenya	6	3	-	-	-
Liberia	1	-	-	-	-
Libyan Arab Jamahiriya	-	5	1	2	-
Madagascar	6	2	-	-	-
Malawi	-	2	-	1	-
Mali	-	1	1	-	-
Mauritius	-	-	1	10	-
Morocco	-	-	-	7	-
Mozambique	9	3	1	-	-
Réunion	10	1	6	-	-
Saint Helena ex. dep.	5	9	5	4	-
Sao Tome and Principe	9	4	-	-	-
Seychelles	10	10	10	10	1
South Africa	-	-	-	4	-
Swaziland	-	-	-	1	-
Togo	1	-	-	-	-
Tunisia	3	9	3	6	-
America, North					
Antigua and Barbuda	5	3	2	5	-
Bahamas	5	10	10	8	-
Barbados	10	10	10	1	-
Belize	10	6	8	8	-
Bermuda	10	10	10	4	-
British Virgin Islands	6	6	8	-	-
Canada	10	10	10	9	-
Cayman Islands	-	6	6	3	-
Costa Rica	10	10	7	6	-
Cuba	8	9	10	8	-
Dominica	4	-	5	-	-
Dominican Republic	10	7	4	3	-
El Salvador	9	10	10	9	-
Greenland	9	10	8	7	-
Grenada	9	1	4	-	-
Guadeloupe	10	-	3	1	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Guatemala	10	7	7	8	-
Haiti	-	1	-	-	-
Honduras	10	9	3	-	-
Jamaica	9	1	4	1	-
Martinique	10	-	6	2	-
Mexico	10	10	10	10	-
Montserrat	10	6	5	-	-
Netherlands Antilles	9	3	2	2	-
Nicaragua	5	-	1	3	-
Panama	10	10	10	9	-
Puerto Rico	10	10	8	9	-
Saint Kitts-Nevis	10	9	10	5	-
Saint Lucia	2	5	7	5	-
Saint Pierre and Miquelon	7	1	-	-	-
Saint Vincent and the Grenadines	4	2	5	6	-
Trinidad and Tobago	10	10	8	6	-
Turks Caicos Islands	6	4	-	-	-
America, South					
Argentina	10	4	10	8	-
Bolivia	2	2	1	-	-
Brazil	-	7	10	6	-
Chile	10	10	10	9	-
Colombia	10	4	8	10	-
Ecuador	10	10	9	7	-
Falkland Islands (Malvinas)	7	9	3	2	-
French Guiana	10	-	2	1	-
Guyana	3	3	-	-	-
Paraguay	9	8	7	1	-
Peru	8	8	5	-	-
Suriname	6	2	3	10	-
Asia					
Afghanistan	-	1	-	-	-
Armenia	-	-	-	10	-
Azerbaijan	-	-	-	10	1
Bahrain	-	1	9	9	-
Bangladesh	-	1	5	-	-
Brunei Darussalam	7	8	9	5	-
China	-	-	1	1	-
China: Hong Kong SAR	10	10	10	10	-
China: Macao SAR	10	6	9	10	-
Cyprus	1	9	10	9	1
Georgia	-	-	-	6	1
India	4	-	-	-	-
Indonesia	1	-	-	-	-
Iran (Islamic Republic of)	-	-	3	1	-
Iraq	9	2	3	-	-
Israel	10	10	10	8	-
Japan	10	10	10	10	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Jordan	10	9	-	-	-
Kazakhstan	-	-	2	9	-
Korea (Dem. People's Republic of)	-	-	-	1	-
Korea (Republic of)	4	4	10	10	-
Kuwait	9	10	8	9	-
Kyrgyzstan	-	-	-	10	-
Malaysia	-	-	1	8	-
Maldives	-	3	10	4	-
Mongolia	-	-	3	5	-
Occupied Palestinian Territory	-	-	-	2	-
Pakistan	1	4	7	7	-
Philippines	10	8	10	6	-
Qatar	-	-	9	6	-
Saudi Arabia	-	-	-	2	-
Singapore	10	10	10	10	-
Sri Lanka	8	6	9	3	-
Syrian Arab Republic	7	7	2	-	-
Tajikistan	-	-	-	4	-
Thailand	10	10	10	7	-
Turkey	1	-	-	-	-
Europe					
Albania	4	-	7	1	-
Andorra	-	-	-	2	-
Austria	10	10	10	9	1
Belarus	-	-	-	9	-
Belgium	10	10	6	3	1
Bosnia and Herzegovina	-	-	-	1	-
Bulgaria	10	10	10	8	1
Channel Islands: Guernsey	10	10	9	10	-
Channel Islands: Jersey	10	10	8	4	-
Croatia	-	-	-	10	1
Czech Republic	-	-	-	10	1
Denmark	10	10	10	9	1
Estonia	-	-	-	9	-
Faeroe Islands	8	10	9	-	-
Finland	10	10	10	6	1
France	10	10	10	9	-
Germany	-	-	-	9	-
Gibraltar	10	5	2	-	-
Greece	10	10	6	9	1
Hungary	10	10	10	10	1
Iceland	10	10	10	9	1
Ireland	10	10	10	9	1
Isle of Man	10	9	10	7	-
Italy	10	10	10	7	-
Latvia	-	-	-	10	1
Liechtenstein	7	1	7	3	-
Lithuania	-	-	-	9	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Luxembourg	10	10	9	6	1
Malta	10	10	10	9	1
Monaco	3	-	3	-	-
Netherlands	10	10	10	9	1
Norway	10	10	10	7	1
Poland	10	10	10	9	1
Portugal	10	10	10	8	1
Republic of Moldova	-	-	-	7	1
Romania	10	10	9	10	1
Russian Federation	-	-	-	8	-
San Marino	8	9	9	8	-
Serbia and Montenegro	-	-	-	9	-
Slovakia	-	-	-	8	1
Slovenia	-	-	-	9	1
Spain	10	10	8	9	-
Sweden	10	10	10	8	1
Switzerland	10	10	10	10	1
The Former Yugoslav Rep. of Macedonia	-	-	-	7	1
Ukraine	-	-	-	7	1
United Kingdom	-	-	9	10	1
Oceania					
American Samoa	10	4	8	3	-
Australia	10	10	10	10	-
Christmas Islands	10	2	-	-	-
Cocos (Keeling) Islands	2	2	-	-	-
Cook Islands	2	8	8	-	-
Fiji	10	10	7	-	-
French Polynesia	5	-	-	-	-
Guam	10	10	7	2	-
Marshall Islands	-	-	5	7	-
Nauru	4	1	-	-	-
New Caledonia	7	7	10	7	-
New Zealand	10	10	10	10	-
Niue	5	2	-	-	-
Norfolk Island	10	8	4	-	-
Northern Mariana Islands	-	-	1	7	-
Palau	-	-	1	8	-
Samoa	10	6	-	-	-
Tokelau	-	9	1	-	-
Tonga	5	-	-	5	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)
a. "-" indicates that data are not available

Deaths by marital status, age and sex

Annex 6. Frequency of reporting by National Statistical Authorities, among those that ever reported, on deaths by marital status, age and sex (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Egypt	7	9	10	3	-
Libyan Arab Jamahiriya	-	1	1	1	-
Réunion	8	-	-	-	-
Tunisia	2	4	1	4	-
Zimbabwe	-	-	1	1	-
America, North					
Bahamas	2	5	8	3	-
Bermuda	1	-	6	1	-
Canada	7	10	10	4	-
Cayman Islands	-	-	2	-	-
Costa Rica	2	2	1	1	-
Cuba	1	7	10	3	-
Dominican Republic	8	5	1	-	-
El Salvador	5	9	8	2	-
Greenland	9	10	9	-	-
Guadeloupe	9	-	-	-	-
Guatemala	2	3	3	2	-
Jamaica	2	-	-	-	-
Martinique	9	-	-	-	-
Mexico	-	-	-	7	-
Puerto Rico	-	4	8	6	-
Saint Pierre and Miquelon	1	-	-	-	-
United States	1	2	6	3	-
United States Virgin Islands	-	1	1	1	-
America, South					
Bolivia	1	-	-	-	-
Brazil	-	1	10	4	-
Chile	9	6	10	7	-
Colombia	6	1	7	2	-
Ecuador	4	6	6	5	-
Falkland Islands (Malvinas)	4	1	1	1	-
French Guiana	8	-	-	-	-
Guyana	-	1	-	-	-
Paraguay	1	-	-	-	-
Peru	-	1	-	-	-
Uruguay	1	-	2	-	-
Venezuela	4	7	7	3	-
Asia					
China: Hong Kong SAR	1	10	10	7	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
China: Macao SAR	-	-	8	8	-
Cyprus	-	8	2	-	-
Georgia	-	-	-	1	-
Israel	6	9	5	-	-
Japan	9	10	10	8	-
Jordan	8	9	-	-	-
Korea (Republic of)	1	-	3	2	-
Kuwait	-	3	5	-	-
Pakistan	1	3	4	4	-
Philippines	4	6	10	3	-
Qatar	-	-	6	5	-
Singapore	3	10	10	7	-
Europe					
Albania	2	-	3	-	-
Austria	8	10	10	8	-
Belgium	7	9	4	1	-
Bulgaria	7	10	10	5	-
Croatia	-	-	-	5	-
Czech Republic	-	-	-	7	-
Denmark	8	10	10	5	-
Estonia	-	-	-	5	-
Faeroe Islands	6	10	7	-	-
Finland	8	10	10	5	-
France	7	8	9	5	-
Germany	-	-	-	7	-
Greece	8	9	6	8	-
Hungary	8	10	9	8	-
Iceland	7	10	10	6	-
Ireland	6	10	10	7	-
Italy	9	9	10	3	-
Latvia	-	-	-	5	-
Lithuania	-	-	-	7	-
Luxembourg	8	10	8	5	-
Malta	7	9	10	7	-
Netherlands	8	10	10	7	-
Norway	8	8	10	6	-
Poland	8	9	10	7	-
Portugal	8	7	10	6	-
Romania	5	4	2	8	-
San Marino	5	8	9	5	-
Serbia and Montenegro	-	-	-	2	-
Slovakia	-	-	-	4	-
Slovenia	-	-	-	6	-
Spain	6	8	7	5	-
Sweden	9	10	10	6	-
Switzerland	8	9	9	7	-
The Former Yugoslav Rep. of Macedonia	-	-	-	3	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
United Kingdom	-	-	9	7	-
Oceania					
American Samoa	3	1	-	-	-
Australia	9	8	9	6	-
Christmas Islands	7	-	-	-	-
Cocos (Keeling) Islands	1	1	-	-	-
Guam	3	9	4	1	-
Nauru	3	-	-	-	-
New Caledonia	-	2	9	-	-
New Zealand	8	10	10	4	-
Niue	-	1	-	-	-
Norfolk Island	6	6	4	-	-
Northern Mariana Islands	-	-	2	-	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Deaths by month of occurrence

Annex 7. Frequency of reporting by National Statistical Authorities, among those that ever reported, on the number of deaths by month of occurrence (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	-	1	1	1	-
Botswana	-	-	1	-	-
Cape Verde	-	1	5	-	-
Egypt	-	1	9	8	-
Libyan Arab Jamahiriya	-	1	3	6	-
Mali	-	-	1	-	-
Mauritius	-	-	1	8	-
Réunion	-	1	8	-	-
Saint Helena ex. dep.	-	-	3	5	-
Seychelles	-	-	5	1	-
South Africa	-	-	-	4	-
Tunisia	-	1	8	7	-
America, North					
Bahamas	-	1	10	6	-
Barbados	-	-	9	1	-
Bermuda	-	-	7	1	-
British Virgin Islands	-	1	6	-	-
Canada	-	1	10	4	-
Cayman Islands	-	-	10	4	-
Costa Rica	-	-	8	5	-
Cuba	-	1	10	8	-
Dominica	-	-	3	-	-
Dominican Republic	-	-	5	1	-
El Salvador	-	-	10	9	-
Greenland	-	1	8	7	-
Guadeloupe	-	1	5	1	-
Guatemala	-	1	8	-	-
Honduras	-	1	3	-	-
Jamaica	-	-	-	8	-
Martinique	-	1	10	2	-
Mexico	-	1	8	8	-
Montserrat	-	-	4	-	-
Nicaragua	-	-	3	3	-
Panama	-	1	10	7	-
Puerto Rico	-	1	8	7	-
Saint Kitts-Nevis	-	1	8	-	-
Saint Lucia	-	1	5	-	-
Saint Pierre and Miquelon	-	1	1	-	-
Saint Vincent and the Grenadines	-	1	4	7	-
Trinidad and Tobago	-	1	9	5	-

United States	-	1	10	6	-
United States Virgin Islands	-	-	10	1	-
America, South					
Brazil	-	1	10	5	-
Chile	-	1	10	8	-
Colombia	-	1	6	6	-
Ecuador	-	1	10	4	-
Falkland Islands (Malvinas)	-	1	1	2	-
French Guiana	-	-	6	-	-
Paraguay	-	1	7	2	-
Suriname	-	-	2	9	-
Uruguay	-	-	9	5	-
Venezuela	-	1	9	1	-
Asia					
Armenia	-	-	-	7	-
Azerbaijan	-	-	-	6	-
Brunei Darussalam	-	1	10	2	-
China	-	-	1	-	-
China: Hong Kong SAR	-	1	10	8	-
China: Macao SAR	-	1	8	9	-
Cyprus	-	1	9	8	-
Georgia	-	-	-	4	-
Iran (Islamic Republic of)	-	-	3	-	-
Israel	-	1	10	7	-
Japan	-	1	10	8	-
Kazakhstan	-	-	4	8	-
Korea (Republic of)	-	1	10	9	-
Kuwait	-	1	6	8	-
Kyrgyzstan	-	-	-	7	-
Malaysia	-	-	1	6	-
Maldives	-	1	10	4	-
Mongolia	-	-	-	5	-
Pakistan	-	-	7	4	-
Philippines	-	1	10	3	-
Qatar	-	1	8	4	-
Singapore	-	1	10	10	-
Sri Lanka	-	1	8	2	-
Syrian Arab Republic	-	-	10	-	-
Tajikistan	-	-	-	4	-
Thailand	-	1	8	6	-
Turkey	-	1	2	5	-
Uzbekistan	-	-	-	5	-
Europe					
Albania	-	-	10	1	-
Andorra	-	-	-	3	-
Austria	-	1	10	8	-
Belarus	-	-	-	9	-
Belgium	-	1	10	5	-
Bulgaria	-	1	10	6	-
Channel Islands: Guernsey	-	-	9	9	-

Channel Islands: Jersey	-	1	9	-	-
Croatia	-	-	-	9	-
Czech Republic	-	-	-	9	-
Denmark	-	1	10	9	-
Estonia	-	-	-	8	-
Faeroe Islands	-	1	9	-	-
Finland	-	1	9	5	-
France	-	1	8	8	-
Germany	-	-	-	9	-
Gibraltar	-	-	10	-	-
Greece	-	1	6	8	-
Hungary	-	1	10	7	-
Iceland	-	1	10	8	-
Ireland	-	1	10	9	-
Isle of Man	-	1	8	7	-
Italy	-	1	10	7	-
Latvia	-	-	-	8	-
Liechtenstein	-	1	7	5	-
Lithuania	-	-	-	7	-
Luxembourg	-	1	9	4	-
Malta	-	1	9	6	-
Netherlands	-	1	9	7	-
Norway	-	1	8	6	-
Poland	-	1	10	9	-
Portugal	-	1	10	7	-
Republic of Moldova	-	-	-	4	-
Romania	-	-	5	7	-
Russian Federation	-	-	-	5	-
San Marino	-	1	9	5	-
Serbia and Montenegro	-	-	-	8	-
Slovakia	-	-	-	7	-
Slovenia	-	-	-	7	-
Spain	-	1	8	9	-
Sweden	-	1	10	6	-
Switzerland	-	1	9	5	-
The Former Yugoslav Rep. of Macedonia	-	-	-	7	-
Ukraine	-	-	-	5	-
United Kingdom	-	-	8	8	-
<hr/>					
Oceania	<hr/>				
American Samoa	-	-	7	3	-
Australia	-	1	10	9	-
Cocos (Keeling) Islands	-	-	1	-	-
Cook Islands	-	1	7	-	-
Fiji	-	-	4	-	-
French Polynesia	-	-	6	2	-
Guam	-	1	7	2	-
New Caledonia	-	-	6	4	-
New Zealand	-	1	10	9	-
Niue	-	-	6	-	-

Norfolk Island	-	1	4	-	-
Northern Mariana Islands	-	-	2	-	-
Palau	-	-	1	-	-
Samoa	-	1	-	-	-
Tokelau	-	-	1	-	-
Tonga	-	-	-	5	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. “-” indicates that data are not available

Deaths by occupation, age and sex

Annex 8. Frequency of reporting by National Statistical Authorities, among those that ever reported, on the number of deaths by occupation, age and sex (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Egypt	8	9	8	3	-
Kenya	1	1	-	-	-
Libyan Arab Jamahiriya	-	1	-	1	-
Mali	-	-	1	-	-
Saint Helena: Ascension	-	1	-	-	-
South Africa	-	-	-	3	-
Tunisia	1	1	-	-	-
Zimbabwe	-	1	-	-	-
America, North					
Bahamas	1	3	8	2	-
Bermuda	1	-	-	-	-
British Virgin Islands	-	-	2	-	-
Cayman Islands	-	-	1	-	-
Costa Rica	2	2	2	2	-
Cuba	-	6	10	3	-
Dominican Republic	10	6	1	-	-
El Salvador	6	6	2	1	-
Guatemala	8	-	2	-	-
Jamaica	2	-	-	-	-
Mexico	1	-	-	6	-
Puerto Rico	-	2	8	5	-
Saint Pierre and Miquelon	1	-	-	-	-
United States Virgin Islands	-	1	-	-	-
America, South					
Chile	-	-	4	4	-
Falkland Islands (Malvinas)	2	2	-	1	-
Venezuela	6	4	1	-	-
Asia					
Brunei Darussalam	2	4	-	-	-
China: Hong Kong SAR	1	7	10	5	-
China: Macao SAR	1	-	-	-	-
Cyprus	-	7	-	-	-
Japan	7	1	1	-	-
Jordan	1	2	-	-	-
Korea (Republic of)	1	2	5	4	-
Kuwait	-	4	6	-	-
Maldives	-	-	1	-	-
Pakistan	1	2	3	-	-
Philippines	3	3	8	3	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Qatar	-	-	4	5	-
Singapore	3	10	9	7	-
Turkey	2	2	2	-	-
Europe					
Croatia	-	-	-	4	-
Estonia	-	-	-	4	-
Finland	8	5	-	-	-
Greece	10	9	5	7	-
Hungary	9	7	10	4	-
Iceland	1	-	-	-	-
Italy	6	-	-	-	-
Latvia	-	-	-	4	-
Malta	7	-	3	1	-
Poland	-	1	1	1	-
Portugal	-	1	8	5	-
San Marino	6	9	8	4	-
Slovenia	-	-	-	4	-
Spain	-	5	3	4	-
Sweden	1	-	-	-	-
The Former Yugoslav Rep. of Macedonia	-	-	-	2	-
United Kingdom	-	-	-	1	-
Oceania					
American Samoa	3	-	-	-	-
Australia	-	-	6	5	-
Christmas Islands	-	1	-	-	-
Fiji	-	1	1	-	-
Guam	7	8	4	1	-
Nauru	2	-	-	-	-
New Caledonia	-	1	-	-	-
New Zealand	6	9	10	2	-
Norfolk Island	-	-	2	-	-
Northern Mariana Islands	-	-	2	-	-
Palau	1	1	-	-	-
Tokelau	-	-	1	-	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Appendix C. Infant deaths

Total number of infant deaths

Annex 9. Frequency of reporting by National Statistical Authorities, among those that ever reported, on the total number of infant deaths (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	8	5	8	6	1
Angola	10	4	-	-	-
Benin	-	-	-	1	1
Botswana	-	2	6	1	-
Burundi	-	-	-	1	-
Cape Verde	10	10	4	5	-
Comoros	-	1	1	-	-
Côte d'Ivoire	-	-	-	2	-
Djibouti	5	-	-	-	-
Egypt	10	10	10	9	-
Equatorial Guinea	6	-	-	-	-
Ethiopia	-	-	-	1	-
Ghana	7	2	-	-	-
Guinea-Bissau	4	-	1	-	-
Kenya	1	3	-	-	-
Lesotho	-	1	-	-	-
Liberia	1	1	-	-	-
Libyan Arab Jamahiriya	-	9	1	2	1
Madagascar	8	2	-	-	-
Malawi	-	2	-	1	-
Mali	-	1	1	-	-
Mauritius	-	-	1	10	1
Morocco	-	-	2	8	-
Mozambique	7	3	1	-	-
Rwanda	1	-	1	-	-
Réunion	10	10	10	5	1
Saint Helena ex. dep.	10	9	9	8	1
Saint Helena: Ascension	-	5	1	-	-
Saint Helena: Tristan da Cunha	-	3	-	1	-
Sao Tome and Principe	10	8	9	1	-
Seychelles	10	10	10	10	2
South Africa	-	-	-	6	-
Swaziland	-	-	-	1	-
Togo	1	-	-	-	-
Tunisia	5	10	7	7	-
Western Sahara	2	1	-	-	-
Zimbabwe	-	-	-	1	-
America, North					
Anguilla	-	-	3	10	2
Antigua and Barbuda	5	8	5	5	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Aruba	-	-	-	-	1
Bahamas	10	10	10	7	-
Barbados	10	10	10	6	-
Belize	10	10	10	10	2
Bermuda	10	10	10	8	-
British Virgin Islands	7	6	8	1	-
Canada	10	10	10	9	1
Cayman Islands	3	4	10	5	-
Costa Rica	10	10	8	9	2
Cuba	10	10	10	10	1
Dominica	9	2	6	1	-
Dominican Republic	10	9	9	5	-
El Salvador	10	10	9	10	1
Greenland	9	10	9	9	-
Grenada	10	9	10	10	1
Guadeloupe	10	10	6	2	-
Guatemala	10	10	10	10	-
Honduras	10	10	7	-	-
Jamaica	10	10	6	4	-
Martinique	10	10	10	3	-
Mexico	10	10	10	10	1
Montserrat	10	10	6	-	-
Netherlands Antilles	8	3	3	-	-
Nicaragua	9	8	4	5	-
Panama	10	10	10	9	-
Puerto Rico	10	10	10	9	1
Saint Kitts-Nevis	10	9	10	8	-
Saint Lucia	10	10	10	10	2
Saint Pierre and Miquelon	8	3	1	-	-
Saint Vincent and the Grenadines	10	7	5	9	1
Trinidad and Tobago	10	10	10	7	-
Turks Caicos Islands	8	5	1	-	-
United States	10	10	10	10	1
United States Virgin Islands	10	7	10	2	-
America, South					
Argentina	10	5	10	10	1
Bolivia	6	-	-	6	-
Brazil	-	7	10	9	1
Chile	10	10	10	9	-
Colombia	10	9	10	10	-
Ecuador	10	10	10	10	-
Falkland Islands (Malvinas)	6	5	-	-	-
French Guiana	10	9	10	8	-
Guyana	10	4	-	-	-
Paraguay	10	9	9	2	-
Peru	10	8	9	10	1
Suriname	8	9	8	10	-
Uruguay	10	10	10	10	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Venezuela	10	10	10	9	-
Asia					
Afghanistan	-	1	-	-	-
Armenia	-	-	-	9	1
Azerbaijan	-	-	-	9	1
Bahrain	1	3	10	9	1
Bangladesh	-	1	7	1	-
Brunei Darussalam	10	10	10	8	-
China: Hong Kong SAR	10	10	10	10	2
China: Macao SAR	10	9	9	10	2
Cyprus	10	10	10	10	-
Georgia	-	-	-	10	1
India	4	-	2	-	-
Indonesia	3	-	2	-	-
Iran (Islamic Republic of)	-	-	-	3	-
Iraq	10	7	8	4	-
Israel	10	10	10	10	1
Japan	10	10	10	10	1
Jordan	10	10	1	-	-
Kazakhstan	-	-	4	10	1
Korea (Republic of)	-	-	7	10	1
Kuwait	8	10	8	10	2
Kyrgyzstan	-	-	-	10	1
Malaysia	-	-	8	10	-
Maldives	-	7	10	9	1
Mongolia	-	-	5	7	1
Myanmar	-	-	-	2	-
Nepal	-	-	-	-	1
Occupied Palestinian Territory	-	-	-	6	1
Oman	-	-	1	9	-
Pakistan	1	4	7	7	-
Philippines	10	10	10	8	-
Qatar	-	1	10	10	-
Saudi Arabia	-	-	-	2	-
Singapore	10	10	10	10	2
Sri Lanka	8	9	9	3	1
Syrian Arab Republic	9	7	5	1	-
Tajikistan	-	-	-	5	-
Thailand	10	10	10	9	1
Timor-Leste	5	1	-	-	-
Turkey	1	-	2	10	2
Turkmenistan	-	-	-	1	-
United Arab Emirates	-	-	-	2	-
Uzbekistan	-	-	-	8	1
Viet Nam	-	-	1	-	-
Yemen	-	-	1	-	-
Europe					
Albania	5	-	6	8	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Andorra	-	-	5	4	1
Austria	10	10	10	10	1
Belarus	-	-	-	9	-
Belgium	10	10	10	10	1
Bosnia and Herzegovina	-	-	-	3	-
Bulgaria	10	10	10	9	1
Channel Islands: Guernsey	10	10	10	10	-
Channel Islands: Jersey	10	10	9	4	-
Croatia	-	-	-	10	1
Czech Republic	-	-	-	10	2
Denmark	10	10	10	10	1
Estonia	-	-	-	10	1
Faeroe Islands	10	10	9	-	-
Finland	10	10	10	6	1
France	10	10	10	10	1
Germany	-	-	-	10	1
Gibraltar	10	6	-	-	-
Greece	10	10	9	10	1
Holy See	-	-	-	1	-
Hungary	10	10	10	10	2
Iceland	10	10	10	10	2
Ireland	10	10	10	10	2
Isle of Man	10	10	9	7	-
Italy	10	10	10	9	1
Latvia	-	-	-	10	2
Liechtenstein	9	10	8	4	-
Lithuania	-	-	-	10	1
Luxembourg	10	10	10	10	1
Malta	10	10	10	9	1
Monaco	9	2	-	-	-
Netherlands	10	10	10	10	1
Norway	10	10	10	9	2
Poland	10	10	10	10	2
Portugal	10	10	10	10	1
Republic of Moldova	-	-	-	8	1
Romania	10	10	10	10	1
Russian Federation	-	-	-	10	1
San Marino	10	8	9	8	-
Serbia and Montenegro	-	-	-	10	1
Slovakia	-	-	-	9	2
Slovenia	-	-	-	9	2
Spain	10	10	10	10	-
Sweden	10	10	10	10	1
Switzerland	10	10	9	10	2
The Former Yugoslav Rep. of Macedonia	-	-	-	9	1
Ukraine	-	-	-	9	2
United Kingdom	10	10	10	10	1
Oceania					

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
American Samoa	10	10	10	10	-
Australia	10	10	10	10	2
Christmas Islands	7	3	1	-	-
Cocos (Keeling) Islands	1	1	-	-	-
Cook Islands	9	10	8	7	-
Fiji	10	10	8	6	-
French Polynesia	6	9	10	9	-
Guam	10	10	9	8	-
Kiribati	2	-	-	-	-
Marshall Islands	-	-	1	6	1
Micronesia Federated States of	-	-	-	4	-
Nauru	8	2	1	-	-
New Caledonia	10	10	10	9	-
New Zealand	10	10	10	10	-
Niue	10	6	2	1	-
Norfolk Island	1	1	-	-	-
Northern Mariana Islands	-	-	7	9	-
Palau	-	6	10	9	-
Papua New Guinea	-	-	2	-	-
Pitcairn	-	-	1	-	-
Samoa	10	9	3	-	-
Tokelau	-	7	1	-	-
Tonga	8	3	9	10	-
Wallis and Futuna Islands	3	1	-	-	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Infant deaths by sex

Annex 10. Frequency of reporting by National Statistical Authorities, among those that ever reported, on infant deaths by sex (1961-2002) ^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	-	3	2	6	1
Angola	10	1	-	-	-
Benin	-	-	-	1	1
Botswana	-	2	3	-	-
Cape Verde	5	6	4	5	-
Comoros	-	1	-	-	-
Djibouti	4	-	-	-	-
Egypt	10	10	10	9	-
Equatorial Guinea	4	-	-	-	-
Ethiopia	-	-	-	1	-
Ghana	7	1	-	-	-
Guinea-Bissau	3	-	-	-	-
Kenya	1	3	-	-	-
Lesotho	-	1	-	-	-
Liberia	1	1	-	-	-
Libyan Arab Jamahiriya	-	9	1	1	-
Madagascar	6	2	-	-	-
Malawi	-	2	-	-	-
Mali	-	1	1	-	-
Mauritius	-	-	1	10	1
Morocco	-	-	-	7	-
Mozambique	7	3	1	-	-
Réunion	10	-	5	4	1
Saint Helena ex. dep.	8	8	3	2	-
Saint Helena: Ascension	-	1	-	-	-
Sao Tome and Principe	10	7	-	-	-
Seychelles	10	9	7	1	-
South Africa	-	-	-	6	-
Tunisia	4	10	5	6	-
Western Sahara	-	1	-	-	-
Zimbabwe	-	-	-	1	-
America, North					
Antigua and Barbuda	5	5	5	-	-
Aruba	-	-	-	-	1
Bahamas	4	7	10	6	-
Barbados	10	4	9	2	-
Belize	8	-	6	6	-
Bermuda	8	10	9	8	-
British Virgin Islands	7	6	8	-	-
Canada	10	9	10	8	-
Cayman Islands	-	-	9	4	-
Costa Rica	5	8	8	7	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Cuba	10	10	10	10	-
Dominica	9	-	5	-	-
Dominican Republic	10	8	5	3	-
El Salvador	10	10	9	10	1
Greenland	9	10	9	9	-
Grenada	10	8	10	10	1
Guadeloupe	10	-	6	1	-
Guatemala	10	10	10	9	-
Honduras	10	10	3	-	-
Jamaica	2	2	4	1	-
Martinique	9	-	-	-	-
Mexico	10	10	9	10	1
Montserrat	10	10	5	-	-
Netherlands Antilles	5	3	3	-	-
Nicaragua	6	5	3	4	-
Panama	10	10	10	9	-
Puerto Rico	10	10	9	8	1
Saint Kitts-Nevis	10	9	10	8	-
Saint Lucia	10	10	10	10	1
Saint Pierre and Miquelon	6	-	-	-	-
Saint Vincent and the Grenadines	9	1	3	9	-
Trinidad and Tobago	10	7	10	6	-
Turks Caicos Islands	6	4	1	-	-
United States	8	10	9	10	-
United States Virgin Islands	10	3	8	1	-
America, South					
Argentina	10	5	10	8	-
Bolivia	5	-	-	-	-
Brazil	-	7	10	5	-
Chile	10	10	10	9	-
Colombia	9	3	10	8	-
Ecuador	10	10	10	6	-
Falkland Islands (Malvinas)	-	1	-	-	-
French Guiana	10	-	-	1	-
Guyana	9	4	-	-	-
Paraguay	10	9	7	1	-
Peru	10	6	3	-	-
Suriname	7	-	2	4	-
Uruguay	10	10	10	10	-
Venezuela	10	10	10	9	-
Asia					
Afghanistan	-	1	-	-	-
Armenia	-	-	-	9	1
Azerbaijan	-	-	-	9	1
Bahrain	1	3	10	9	-
Bangladesh	-	1	7	-	-
Brunei Darussalam	10	10	10	7	-
China: Hong Kong SAR	10	10	10	10	2

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
China: Macao SAR	10	8	8	10	2
Cyprus	10	10	6	7	-
Georgia	-	-	-	6	1
India	3	-	-	-	-
Indonesia	1	-	-	-	-
Iran (Islamic Republic of)	-	-	-	2	-
Iraq	10	7	6	-	-
Israel	10	8	10	9	1
Japan	10	10	10	10	1
Jordan	10	10	1	-	-
Kazakhstan	-	-	4	9	-
Korea (Republic of)	-	-	7	10	1
Kuwait	8	10	8	9	-
Kyrgyzstan	-	-	-	10	1
Malaysia	-	-	1	8	-
Maldives	-	7	10	8	-
Mongolia	-	-	5	7	-
Myanmar	-	-	-	1	-
Nepal	-	-	-	-	1
Occupied Palestinian Territory	-	-	-	2	-
Pakistan	1	4	7	7	-
Philippines	9	8	10	8	-
Qatar	-	1	10	6	-
Saudi Arabia	-	-	-	2	-
Singapore	10	10	10	10	2
Sri Lanka	6	9	8	3	1
Syrian Arab Republic	5	7	4	1	-
Tajikistan	-	-	-	4	-
Thailand	10	10	10	7	-
Timor-Leste	5	-	-	-	-
Turkey	-	-	1	-	-
Uzbekistan	-	-	-	7	-
Europe					
Albania	4	-	5	1	-
Andorra	-	-	4	1	-
Austria	10	10	10	10	1
Belarus	-	-	-	9	-
Belgium	10	9	10	9	-
Bosnia and Herzegovina	-	-	-	1	-
Bulgaria	10	10	10	8	1
Channel Islands: Guernsey	10	10	8	10	-
Channel Islands: Jersey	10	10	8	3	-
Croatia	-	-	-	9	1
Czech Republic	-	-	-	10	1
Denmark	10	10	10	10	-
Estonia	-	-	-	9	-
Faeroe Islands	10	10	9	-	-
Finland	10	10	10	5	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
France	9	10	10	9	-
Germany	-	-	-	7	-
Gibraltar	9	6	-	-	-
Greece	10	10	6	8	-
Hungary	10	10	10	10	1
Iceland	10	10	10	9	1
Ireland	10	10	10	9	-
Isle of Man	10	10	9	7	-
Italy	8	10	9	6	1
Latvia	-	-	-	10	1
Liechtenstein	8	9	6	3	-
Lithuania	-	-	-	10	1
Luxembourg	9	10	9	4	1
Malta	8	10	10	9	1
Monaco	4	-	-	-	-
Netherlands	10	10	10	10	1
Norway	10	10	10	9	1
Poland	10	10	10	9	-
Portugal	10	10	10	7	1
Republic of Moldova	-	-	-	7	1
Romania	10	4	5	10	1
Russian Federation	-	-	-	7	-
San Marino	6	5	5	5	-
Serbia and Montenegro	-	-	-	10	1
Slovakia	-	-	-	7	1
Slovenia	-	-	-	9	1
Spain	9	6	7	4	-
Sweden	10	10	9	9	1
Switzerland	10	10	9	10	1
The Former Yugoslav Rep. of Macedonia	-	-	-	6	1
Ukraine	-	-	-	8	1
United Kingdom	-	-	9	10	1
Oceania					
American Samoa	10	3	4	3	-
Australia	10	10	10	10	-
Christmas Islands	4	-	-	-	-
Cocos (Keeling) Islands	-	1	-	-	-
Cook Islands	2	4	7	-	-
Fiji	10	10	6	-	-
French Polynesia	5	-	-	-	-
Guam	10	10	7	2	-
Marshall Islands	-	-	-	5	-
Nauru	6	-	-	-	-
New Caledonia	2	8	5	9	-
New Zealand	10	10	10	10	-
Niue	8	1	-	-	-
Norfolk Island	-	1	-	-	-
Northern Mariana Islands	-	-	3	-	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Pitcairn	-	-	1	-	-
Samoa	9	8	-	-	-
Tokelau	-	4	-	-	-
Tonga	4	1	1	10	-
Wallis and Futuna Islands	1	-	-	-	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Infant deaths by sex and urban/rural residence

Annex 11. Frequency of reporting by National Statistical Authorities, among those that ever reported, on infant deaths by sex and urban/rural residence (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Benin	-	-	-	1	-
Egypt	1	10	9	9	-
Ghana	1	1	-	-	-
Malawi	-	2	-	-	-
Mali	-	1	1	-	-
Mauritius	-	-	1	10	1
Morocco	-	-	-	6	-
Seychelles	3	1	-	-	-
Tunisia	2	6	3	-	-
Zimbabwe	-	-	-	1	-
America, North					
Antigua and Barbuda	-	5	-	-	-
Canada	5	-	-	-	-
Cuba	10	6	10	6	-
Dominican Republic	1	5	5	-	-
El Salvador	6	9	9	10	1
Greenland	-	-	-	8	-
Guatemala	-	6	8	-	-
Mexico	-	7	6	10	1
Nicaragua	-	5	-	4	-
Panama	4	9	10	9	-
Puerto Rico	1	9	5	4	1
Saint Kitts-Nevis	-	8	4	-	-
Saint Lucia	-	-	-	5	-
Saint Vincent and the Grenadines	-	-	1	1	-
Turks Caicos Islands	-	4	-	-	-
America, South					
Bolivia	5	-	-	-	-
Chile	-	-	8	9	-
Colombia	2	-	7	8	-
Ecuador	3	10	9	5	-
Paraguay	-	2	7	-	-
Suriname	-	-	2	1	-
Asia					
Armenia	-	-	-	9	-
Azerbaijan	-	-	-	9	1
Bangladesh	-	1	7	-	-
Brunei Darussalam	-	6	2	-	-
Georgia	-	-	-	6	1
Iran (Islamic Republic of)	-	-	-	2	-
Israel	2	7	7	8	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Japan	4	10	10	10	1
Kazakhstan	-	-	4	9	-
Kyrgyzstan	-	-	-	10	1
Maldives	-	4	10	8	-
Mongolia	-	-	5	2	-
Myanmar	-	-	-	1	-
Pakistan	1	4	7	7	-
Singapore	2	-	-	-	-
Sri Lanka	-	5	8	3	-
Tajikistan	-	-	-	4	-
Thailand	-	3	7	5	-
Turkey	-	-	1	-	-
Uzbekistan	-	-	-	7	-
Europe					
Albania	1	-	4	1	-
Andorra	-	-	4	-	-
Austria	3	8	5	7	-
Belarus	-	-	-	9	-
Bulgaria	5	10	10	6	1
Channel Islands: Guernsey	1	-	-	-	-
Croatia	-	-	-	9	1
Czech Republic	-	-	-	10	1
Denmark	5	-	-	-	-
Estonia	-	-	-	8	-
Faeroe Islands	4	5	-	-	-
Finland	5	10	10	4	1
France	-	3	9	9	-
Greece	4	10	6	8	-
Hungary	5	10	10	10	1
Ireland	5	9	8	6	-
Isle of Man	2	-	-	-	-
Latvia	-	-	-	10	1
Lithuania	-	-	-	10	1
Luxembourg	4	9	-	-	-
Netherlands	4	10	6	1	-
Norway	6	10	-	-	-
Poland	6	10	10	9	-
Portugal	-	-	3	2	-
Republic of Moldova	-	-	-	7	-
Romania	4	4	5	9	1
Russian Federation	-	-	-	6	-
San Marino	-	-	3	3	-
Serbia and Montenegro	-	-	-	10	-
Slovakia	-	-	-	6	1
Slovenia	-	-	-	9	1
Switzerland	-	-	6	10	1
The Former Yugoslav Rep. of Macedonia	-	-	-	6	1
Ukraine	-	-	-	8	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Oceania					
Australia	4	-	-	-	-
Guam	-	7	1	-	-
New Zealand	5	5	10	10	-
Samoa	-	1	-	-	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)
a. “-” indicates that data are not available

Infant deaths by age and sex

Annex 12. Frequency of reporting by National Statistical Authorities, among those that ever reported, on infant deaths by age and sex of the child (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Angola	1	-	-	-	-
Egypt	1	9	8	9	-
Ghana	1	-	-	-	-
Kenya	1	-	-	-	-
Madagascar	-	1	-	-	-
Malawi	-	1	-	-	-
Mali	-	1	-	-	-
Mauritius	-	-	1	9	-
Morocco	-	-	-	5	-
Réunion	1	-	8	-	-
Saint Helena ex. dep.	1	9	6	5	-
Sao Tome and Principe	-	2	-	-	-
Seychelles	1	6	4	-	-
South Africa	-	-	-	4	-
Tunisia	1	10	2	3	-
Zimbabwe	-	-	1	-	-
America, North					
Antigua and Barbuda	-	2	-	3	-
Bahamas	1	8	10	5	-
Barbados	1	6	9	1	-
Belize	-	-	-	1	-
Bermuda	1	10	10	2	-
British Virgin Islands	-	5	8	-	-
Canada	1	9	9	7	-
Cayman Islands	-	-	8	5	-
Costa Rica	1	5	6	4	-
Cuba	-	4	10	6	-
Dominica	-	-	3	-	-
Dominican Republic	-	-	2	-	-
El Salvador	1	10	9	9	-
Greenland	1	10	9	6	-
Guadeloupe	1	-	3	1	-
Guatemala	1	7	7	6	-
Honduras	-	8	-	-	-
Jamaica	-	1	2	-	-
Martinique	1	-	4	2	-
Mexico	1	10	10	9	-
Montserrat	1	2	1	-	-
Netherlands Antilles	1	3	-	-	-
Nicaragua	-	-	-	3	-
Panama	1	10	10	8	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Puerto Rico	1	9	8	8	-
Saint Kitts-Nevis	1	7	8	-	-
Saint Lucia	-	2	6	3	-
Saint Vincent and the Grenadines	-	-	1	6	-
Trinidad and Tobago	1	10	8	5	-
United States	1	8	8	9	-
United States Virgin Islands	-	2	5	1	-
America, South					
Argentina	1	4	10	5	-
Brazil	-	5	10	5	-
Chile	1	10	10	9	-
Colombia	-	5	2	5	-
Ecuador	-	9	8	4	-
Falkland Islands (Malvinas)	1	3	-	-	-
French Guiana	1	-	-	1	-
Guyana	-	4	-	-	-
Paraguay	1	4	3	1	-
Peru	1	2	1	-	-
Suriname	-	4	3	1	-
Uruguay	1	9	8	4	-
Venezuela	1	8	9	8	-
Asia					
Armenia	-	-	-	9	-
Azerbaijan	-	-	-	7	1
Bahrain	-	-	-	4	-
Brunei Darussalam	1	6	2	2	-
China: Hong Kong SAR	1	10	10	10	-
China: Macao SAR	1	4	8	10	-
Cyprus	-	1	-	-	-
Georgia	-	-	-	2	1
Iraq	-	2	-	-	-
Israel	1	10	10	8	-
Japan	1	10	10	9	-
Jordan	1	8	-	-	-
Kazakhstan	-	-	2	9	-
Kuwait	-	10	8	8	-
Kyrgyzstan	-	-	-	9	-
Malaysia	-	-	1	6	-
Maldives	-	3	9	2	-
Myanmar	-	-	-	1	-
Occupied Palestinian Territory	-	-	-	2	-
Pakistan	-	4	7	6	-
Philippines	-	9	10	5	-
Qatar	-	-	6	6	-
Singapore	1	10	10	8	-
Sri Lanka	-	5	9	3	-
Tajikistan	-	-	-	3	-
Thailand	1	10	10	5	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Timor-Leste	1	-	-	-	-
Turkey	-	-	-	2	-
Uzbekistan	-	-	-	5	-
Europe					
Albania	-	-	1	-	-
Austria	1	10	10	9	1
Belarus	-	-	-	8	-
Belgium	1	9	5	2	-
Bulgaria	1	10	10	5	1
Channel Islands: Guernsey	1	9	9	1	-
Channel Islands: Jersey	1	9	8	4	-
Croatia	-	-	-	9	1
Czech Republic	-	-	-	10	1
Denmark	1	10	10	4	-
Estonia	-	-	-	7	-
Faeroe Islands	1	10	9	-	-
Finland	1	10	10	5	1
France	1	9	10	8	-
Germany	-	-	-	6	-
Gibraltar	1	1	-	-	-
Greece	1	10	6	7	-
Hungary	1	10	10	9	1
Iceland	1	10	10	7	-
Ireland	1	10	10	9	-
Isle of Man	1	9	9	1	-
Italy	1	9	8	7	-
Latvia	-	-	-	9	1
Lithuania	-	-	-	7	1
Luxembourg	1	10	8	4	1
Malta	1	9	4	4	1
Netherlands	1	10	10	7	1
Norway	1	10	10	8	1
Poland	1	10	10	9	-
Portugal	1	10	10	5	1
Republic of Moldova	-	-	-	6	1
Romania	1	5	4	7	1
Russian Federation	-	-	-	6	-
San Marino	1	8	9	4	-
Serbia and Montenegro	-	-	-	6	-
Slovakia	-	-	-	7	1
Slovenia	-	-	-	8	1
Spain	-	6	7	5	-
Sweden	1	10	10	7	1
Switzerland	1	10	9	8	1
The Former Yugoslav Rep. of Macedonia	-	-	-	6	1
Ukraine	-	-	-	6	1
United Kingdom	-	-	9	9	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Oceania					
American Samoa	1	4	-	-	-
Australia	1	9	10	10	-
Cocos (Keeling) Islands	-	1	-	-	-
Cook Islands	-	3	-	-	-
Fiji	1	9	7	-	-
Guam	1	10	5	2	-
New Caledonia	-	2	10	7	-
New Zealand	1	9	10	10	-
Niue	-	-	1	-	-
Northern Mariana Islands	-	-	2	-	-
Samoa	1	7	-	-	-
Tokelau	-	1	-	-	-
Tonga	-	-	-	4	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Infant deaths by month of occurrence

Annex 13. Frequency of reporting by National Statistical Authorities, among those that ever reported, on infant deaths by month of occurrence (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	-	1	-	-	-
Egypt	-	1	9	5	-
Mauritius	-	-	1	6	-
Morocco	-	-	-	1	-
Réunion	-	-	7	-	-
Saint Helena ex. dep.	-	1	5	3	-
Seychelles	-	-	5	1	-
South Africa	-	-	-	3	-
Tunisia	-	1	5	3	-
Zimbabwe	-	-	1	1	-
America, North					
Bahamas	-	1	10	6	-
Barbados	-	-	9	1	-
Bermuda	-	-	6	1	-
British Virgin Islands	-	1	6	-	-
Canada	-	-	10	4	-
Cayman Islands	-	-	4	1	-
Costa Rica	-	-	3	2	-
Cuba	-	1	10	5	-
Dominica	-	-	3	-	-
Dominican Republic	-	-	5	-	-
El Salvador	-	1	8	7	-
Greenland	-	1	8	6	-
Guadeloupe	-	1	6	1	-
Guatemala	-	1	8	-	-
Martinique	-	1	10	1	-
Mexico	-	1	2	3	-
Nicaragua	-	-	3	-	-
Panama	-	1	10	6	-
Puerto Rico	-	1	8	4	-
Saint Kitts-Nevis	-	1	8	-	-
Saint Lucia	-	1	3	-	-
Saint Vincent and the Grenadines	-	-	4	4	-
United States	-	1	9	5	-
United States Virgin Islands	-	-	10	1	-
America, South					
Argentina	-	1	1	-	-
Brazil	-	1	10	4	-
Chile	-	1	10	7	-
Colombia	-	-	5	4	-
Ecuador	-	1	10	4	-
French Guiana	-	1	6	-	-
Uruguay	-	-	9	6	-
Venezuela	-	1	9	6	-
Asia					
Armenia	-	-	-	6	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Azerbaijan	-	-	-	4	-
Brunei Darussalam	-	-	8	2	-
China: Hong Kong SAR	-	1	10	7	-
China: Macao SAR	-	-	8	7	-
Georgia	-	-	-	3	-
Iran (Islamic Republic of)	-	-	2	-	-
Israel	-	1	10	6	-
Japan	-	1	10	7	-
Kazakhstan	-	-	3	7	-
Korea (Republic of)	-	-	-	1	-
Kuwait	-	1	6	6	-
Kyrgyzstan	-	-	-	6	-
Malaysia	-	-	1	6	-
Maldives	-	1	8	3	-
Mongolia	-	-	-	4	-
Pakistan	-	-	7	4	-
Philippines	-	1	10	3	-
Qatar	-	1	8	5	-
Singapore	-	1	10	8	-
Sri Lanka	-	1	8	2	-
Tajikistan	-	-	-	4	-
Thailand	-	1	8	4	-
Uzbekistan	-	-	-	5	-
Europe					
Albania	-	-	4	1	-
Austria	-	1	10	7	-
Belarus	-	-	-	8	-
Belgium	-	1	10	5	-
Bulgaria	-	1	10	5	-
Channel Islands: Guernsey	-	1	9	6	-
Channel Islands: Jersey	-	1	6	-	-
Croatia	-	-	-	7	-
Czech Republic	-	-	-	7	-
Denmark	-	1	10	6	-
Estonia	-	-	-	6	-
Faeroe Islands	-	1	9	-	-
Finland	-	1	8	4	-
France	-	1	9	5	-
Germany	-	-	-	7	-
Greece	-	1	6	7	-
Hungary	-	1	10	5	-
Iceland	-	1	10	4	-
Ireland	-	1	10	7	-
Isle of Man	-	1	8	-	-
Italy	-	1	10	4	-
Latvia	-	-	-	7	-
Lithuania	-	-	-	5	-
Luxembourg	-	1	9	3	-
Malta	-	1	9	5	-
Netherlands	-	1	9	6	-
Norway	-	1	8	5	-
Poland	-	1	10	7	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Portugal	-	1	9	6	-
Republic of Moldova	-	-	-	3	-
Romania	-	-	5	6	-
Russian Federation	-	-	-	4	-
San Marino	-	1	9	3	-
Serbia and Montenegro	-	-	-	5	-
Slovakia	-	-	-	5	-
Slovenia	-	-	-	6	-
Spain	-	-	5	6	-
Sweden	-	1	10	2	-
Switzerland	-	1	9	4	-
The Former Yugoslav Rep. of Macedonia	-	-	-	5	-
Ukraine	-	-	-	5	-
United Kingdom	-	-	8	7	-
Oceania					
American Samoa	-	-	1	3	-
Australia	-	1	10	6	-
Christmas Islands	-	-	1	-	-
Cook Islands	-	1	7	-	-
French Polynesia	-	-	6	2	-
Guam	-	1	7	2	-
New Zealand	-	1	10	5	-
Niue	-	-	2	-	-
Northern Mariana Islands	-	-	2	-	-
Palau	-	-	1	-	-
Samoa	-	1	-	-	-
Tonga	-	-	-	1	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Appendix D. Life tables

Abridged life table, Life expectancy by sex

Annex 14. Frequency of reporting by National Statistical Authorities, among those that ever reported, on abridged life expectancy by sex (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	-	1	3	1	-
Benin	-	-	-	1	-
Botswana	-	1	1	9	-
Burundi	1	-	-	-	-
Cape Verde	-	1	1	-	-
Egypt	-	-	-	2	1
Equatorial Guinea	-	-	1	-	-
Kenya	1	1	-	-	-
Liberia	-	1	-	-	-
Madagascar	1	-	-	-	-
Malawi	1	1	1	3	1
Mali	-	1	1	-	-
Mauritius	-	-	1	7	-
Nigeria	1	-	1	-	-
Rwanda	-	1	-	-	-
Réunion	1	-	-	-	-
Saint Helena ex. dep.	-	-	1	-	-
Seychelles	1	2	1	-	-
South Africa	-	-	1	-	-
Swaziland	-	1	-	1	-
Togo	1	-	-	-	-
Tunisia	-	-	-	1	-
United Republic of Tanzania	-	-	1	-	-
Zambia	-	1	-	-	-
Zimbabwe	-	-	1	-	-
America, North					
Aruba	-	1	1	1	-
Bahamas	2	-	1	-	-
Barbados	1	1	-	-	-
Belize	-	1	-	1	-
Bermuda	1	1	-	1	-
Canada	1	1	2	3	-
Costa Rica	1	1	1	-	-
Cuba	1	1	-	1	-
Dominican Republic	-	-	-	1	-
El Salvador	-	-	1	2	-
Greenland	2	2	1	4	-
Guadeloupe	1	1	-	-	-
Guatemala	1	2	1	1	-
Jamaica	-	1	1	-	-
Martinique	1	1	-	-	-
Mexico	1	2	-	-	-
Netherlands Antilles	1	-	1	-	-
Nicaragua	-	-	-	1	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Panama	1	2	2	2	-
Puerto Rico	1	7	6	1	-
Saint Kitts-Nevis	-	-	2	6	-
Saint Lucia	-	-	4	5	-
Trinidad and Tobago	1	1	1	-	-
United States	6	8	3	4	1
America, South					
Argentina	2	2	1	-	-
Bolivia	-	-	-	1	-
Brazil	-	-	-	5	-
Chile	2	2	2	1	-
Colombia	-	1	2	1	1
Ecuador	4	3	2	1	-
French Guiana	-	-	1	6	-
Paraguay	2	2	2	2	-
Peru	1	1	1	1	-
Suriname	1	1	-	-	-
Uruguay	1	1	1	1	-
Venezuela	-	2	1	1	-
Asia					
Armenia	-	-	-	7	-
Azerbaijan	-	-	-	8	1
Bahrain	-	1	2	-	-
Bangladesh	-	1	4	4	-
Bhutan	-	-	1	1	-
Brunei Darussalam	1	-	1	-	-
China	-	-	-	1	-
China: Hong Kong SAR	2	2	-	-	-
China: Macao SAR	-	-	1	-	-
Cyprus	-	4	3	4	-
India	2	1	6	3	-
Indonesia	2	2	2	-	-
Iran (Islamic Republic of)	1	3	2	-	-
Iraq	2	2	2	-	-
Israel	6	8	10	5	-
Japan	10	10	10	8	-
Jordan	2	2	2	-	-
Kazakhstan	2	2	1	-	-
Korea (Dem. People's Republic of)	2	2	2	-	-
Korea (Republic of)	2	2	1	-	-
Kuwait	2	2	2	1	-
Kyrgyzstan	-	-	-	1	-
Malaysia	-	-	-	8	-
Maldives	-	-	3	3	-
Myanmar	-	2	2	-	-
Nepal	-	-	1	-	-
Occupied Palestinian Territory	-	-	-	-	1
Pakistan	1	1	-	-	-
Philippines	-	-	5	1	-
Singapore	1	1	1	10	-
Sri Lanka	5	-	1	-	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Syrian Arab Republic	1	3	1	-	-
Tajikistan	-	-	-	1	-
Thailand	-	1	1	-	-
Turkey	-	-	1	-	-
Europe					
Albania	2	-	3	-	-
Austria	-	10	9	2	1
Belarus	-	-	-	1	-
Belgium	1	-	1	1	-
Bulgaria	1	1	-	1	-
Channel Islands: Jersey	-	1	-	-	-
Czech Republic	-	-	-	4	1
Denmark	3	8	-	2	-
Estonia	-	-	-	4	-
Faeroe Islands	-	2	1	-	-
Finland	2	5	-	1	1
France	4	7	5	5	-
Germany	-	-	-	1	-
Greece	-	-	1	-	-
Hungary	2	2	-	-	1
Iceland	2	4	1	1	-
Ireland	2	-	-	1	-
Italy	2	1	-	1	-
Latvia	-	-	-	3	1
Lithuania	-	-	-	7	1
Luxembourg	-	4	-	1	-
Malta	2	3	9	8	1
Netherlands	1	7	-	2	-
Norway	1	6	1	3	1
Poland	2	2	9	2	-
Portugal	1	3	2	5	-
Republic of Moldova	-	-	-	3	-
Romania	4	2	-	4	-
Russian Federation	-	-	-	1	-
San Marino	-	-	-	1	-
Serbia and Montenegro	-	-	-	4	-
Slovakia	-	-	-	4	-
Slovenia	-	-	-	7	-
Spain	1	2	-	1	-
Sweden	4	10	-	3	1
Switzerland	1	1	9	7	-
The Former Yugoslav Rep. of Macedonia	-	-	-	1	-
Ukraine	-	-	-	3	-
United Kingdom	-	-	1	1	-
Oceania					
American Samoa	1	-	-	-	-
Australia	1	2	-	3	-
Cook Islands	-	1	-	-	-
Fiji	-	1	-	-	-
Guam	-	1	-	-	-
Marshall Islands	-	-	1	-	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Micronesia Federated States of	-	-	-	1	-
New Caledonia	-	-	10	5	-
New Zealand	2	1	9	3	-
Samoa	-	2	-	-	-
Solomon Islands	-	1	-	-	-
Tonga	-	-	-	2	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Abridged life table, Probability of dying by sex

Annex 15. Frequency of reporting by National Statistical Authorities, among those that ever reported, on abridged probability of dying by sex (1961-2002) ^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	-	2	3	1	-
Botswana	-	1	-	-	-
Burundi	1	-	-	-	-
Cape Verde	-	1	-	-	-
Egypt	-	-	-	2	1
Equatorial Guinea	-	-	1	-	-
Former Ethiopia	-	-	1	-	-
Kenya	1	1	-	-	-
Liberia	-	1	-	-	-
Madagascar	1	2	-	-	-
Malawi	1	1	1	1	-
Mali	-	1	1	-	-
Mauritius	-	-	1	6	-
Nigeria	1	-	1	-	-
Rwanda	-	1	-	-	-
Réunion	1	1	-	-	-
Seychelles	-	1	1	-	-
Swaziland	-	1	-	-	-
Togo	1	-	-	-	-
Tunisia	-	-	-	1	-
Zambia	-	1	-	-	-
Zimbabwe	-	-	1	-	-
America, North					
Aruba	-	1	1	1	-
Bahamas	1	-	-	1	-
Belize	-	1	-	1	-
Bermuda	1	1	-	1	-
Canada	2	1	2	1	-
Cayman Islands	-	-	1	-	-
Costa Rica	1	1	-	1	-
Cuba	-	1	2	1	-
Dominican Republic	-	-	-	1	-
El Salvador	-	-	1	1	-
Greenland	1	2	1	4	-
Guadeloupe	1	1	-	-	-
Guatemala	-	2	1	1	-
Jamaica	-	-	1	-	-
Martinique	1	-	-	-	-
Mexico	1	1	-	-	-
Netherlands Antilles	-	-	1	-	-
Nicaragua	-	-	1	1	-
Panama	1	2	2	2	-
Puerto Rico	1	4	6	-	-
Saint Kitts-Nevis	-	-	2	3	-
Saint Lucia	-	-	3	3	-
Trinidad and Tobago	1	1	1	-	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
United States	1	6	3	3	-
America, South					
Argentina	1	2	1	-	-
Bolivia	-	-	-	1	-
Brazil	-	-	-	4	-
Chile	1	1	2	2	-
Colombia	-	1	2	2	-
Ecuador	3	3	2	1	-
Paraguay	-	1	1	-	-
Peru	-	1	1	1	-
Suriname	-	1	-	-	-
Uruguay	-	1	1	1	-
Venezuela	2	2	1	1	-
Asia					
Armenia	-	-	-	1	-
Bahrain	-	1	2	-	-
Bangladesh	-	1	4	2	-
Brunei Darussalam	1	-	1	-	-
China: Hong Kong SAR	2	2	-	-	-
China: Macao SAR	-	-	1	-	-
Cyprus	-	4	2	4	-
India	1	1	4	3	-
Iran (Islamic Republic of)	-	1	1	-	-
Iraq	-	-	1	-	-
Israel	-	5	10	4	-
Japan	2	3	9	8	-
Korea (Republic of)	2	1	1	1	-
Kuwait	1	-	-	1	-
Kyrgyzstan	-	-	-	2	-
Malaysia	-	-	-	8	-
Maldives	-	-	2	-	-
Myanmar	-	1	1	-	-
Nepal	-	-	1	-	-
Pakistan	-	1	-	-	-
Philippines	-	-	5	1	-
Singapore	1	1	1	10	-
Sri Lanka	-	-	1	-	-
Syrian Arab Republic	1	3	1	-	-
Tajikistan	-	-	-	1	-
Thailand	-	-	1	-	-
Turkey	-	-	1	-	-
Europe					
Austria	-	5	10	1	-
Belarus	-	-	-	2	-
Belgium	1	-	1	1	-
Bulgaria	1	1	-	-	-
Czech Republic	-	-	-	5	-
Denmark	-	-	1	2	-
Estonia	-	-	-	4	-
Faeroe Islands	-	2	1	-	-
Finland	-	1	4	3	-
France	-	3	4	4	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Germany	-	-	-	1	-
Greece	-	-	1	1	-
Hungary	1	3	-	3	-
Iceland	2	3	5	2	-
Ireland	2	-	-	1	-
Isle of Man	-	-	-	1	-
Italy	2	-	-	1	-
Latvia	-	-	-	4	-
Lithuania	-	-	-	2	-
Luxembourg	-	2	-	1	-
Netherlands	1	3	-	2	-
Norway	1	4	1	2	-
Poland	1	-	9	3	-
Portugal	1	4	2	5	-
Republic of Moldova	-	-	-	2	-
Romania	1	-	-	3	-
Russian Federation	-	-	-	2	-
Serbia and Montenegro	-	-	-	3	-
Slovakia	-	-	-	5	-
Slovenia	-	-	-	5	-
Spain	-	1	-	1	-
Sweden	2	3	1	4	-
Switzerland	-	1	8	6	-
Ukraine	-	-	-	3	-
United Kingdom	-	-	-	2	-
Oceania					
Australia	-	-	2	2	-
Marshall Islands	-	-	2	-	-
Micronesia Federated States of	-	-	-	1	-
New Caledonia	-	-	10	4	-
New Zealand	-	-	6	3	-
Tonga	-	-	-	2	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Abridged life table, Number of surviving by sex

Annex 16. Frequency of reporting by National Statistical Authorities, among those that ever reported, on abridged number of surviving by sex (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	-	2	3	1	-
Botswana	-	1	-	-	-
Burundi	1	-	-	-	-
Cape Verde	-	1	1	-	-
Egypt	-	-	-	2	1
Equatorial Guinea	-	-	1	-	-
Former Ethiopia	-	-	1	-	-
Kenya	1	1	-	-	-
Liberia	-	1	-	-	-
Madagascar	1	2	-	-	-
Malawi	1	2	1	1	-
Mali	-	1	1	-	-
Mauritius	-	-	1	7	-
Nigeria	1	-	1	-	-
Rwanda	-	1	-	-	-
Réunion	1	1	-	-	-
Saint Helena ex. dep.	-	-	1	-	-
Seychelles	-	1	1	-	-
Swaziland	-	1	-	-	-
Togo	1	-	-	-	-
Tunisia	-	-	-	1	-
Zambia	-	1	-	-	-
Zimbabwe	-	-	1	-	-
America, North					
Aruba	-	1	1	1	-
Bahamas	1	-	-	1	-
Belize	-	1	-	1	-
Bermuda	1	1	-	1	-
British Virgin Islands	-	1	-	-	-
Canada	2	1	2	1	-
Cayman Islands	-	-	1	-	-
Costa Rica	1	1	-	-	-
Cuba	-	1	1	1	-
Dominican Republic	-	-	-	1	-
El Salvador	-	-	1	1	-
Greenland	2	2	1	4	-
Guadeloupe	1	1	-	-	-
Guatemala	-	2	1	1	-
Jamaica	-	-	1	-	-
Martinique	1	-	-	-	-
Mexico	1	1	-	-	-
Netherlands Antilles	1	-	1	-	-
Nicaragua	-	-	1	1	-
Panama	1	2	2	2	-
Puerto Rico	1	4	6	-	-
Saint Kitts-Nevis	-	-	2	4	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Saint Lucia	-	-	4	3	-
Trinidad and Tobago	1	1	1	-	-
United States	1	8	3	2	-
America, South					
Argentina	1	2	1	-	-
Bolivia	-	-	-	1	-
Brazil	-	-	-	4	-
Chile	1	2	2	1	-
Colombia	-	1	2	2	-
Ecuador	3	3	2	1	-
Paraguay	-	1	1	-	-
Peru	-	1	1	1	-
Suriname	-	1	-	-	-
Uruguay	-	-	1	1	-
Venezuela	2	2	1	1	-
Asia					
Armenia	-	-	-	1	-
Bahrain	-	1	2	-	-
Bangladesh	-	1	4	2	-
Brunei Darussalam	1	-	1	-	-
China: Hong Kong SAR	2	2	-	-	-
China: Macao SAR	-	-	1	-	-
Cyprus	-	4	2	4	-
India	2	1	5	3	-
Iran (Islamic Republic of)	-	1	-	-	-
Iraq	-	-	1	-	-
Israel	-	5	10	5	-
Japan	1	3	10	8	-
Kazakhstan	-	-	-	1	-
Korea (Republic of)	2	-	1	-	-
Kuwait	1	-	-	1	-
Kyrgyzstan	-	-	-	1	-
Malaysia	-	-	-	8	-
Maldives	-	-	3	2	-
Myanmar	-	1	1	-	-
Nepal	-	-	1	-	-
Pakistan	-	1	-	-	-
Philippines	-	-	5	1	-
Singapore	1	1	1	10	-
Sri Lanka	2	-	1	-	-
Syrian Arab Republic	1	3	1	-	-
Tajikistan	-	-	-	1	-
Thailand	-	-	1	-	-
Turkey	-	-	1	-	-
Europe					
Austria	-	5	8	-	-
Belarus	-	-	-	2	-
Belgium	1	1	1	-	-
Bulgaria	1	1	-	-	-
Czech Republic	-	-	-	5	-
Denmark	3	4	-	1	-
Estonia	-	-	-	4	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Faeroe Islands	-	2	1	-	-
Finland	2	5	4	1	-
France	1	5	4	4	-
Greece	-	-	-	1	-
Hungary	1	4	-	2	-
Iceland	2	4	-	-	-
Ireland	2	1	-	-	-
Isle of Man	-	-	-	1	-
Italy	2	1	-	-	-
Latvia	-	-	-	3	-
Lithuania	-	-	-	2	-
Luxembourg	-	1	-	-	-
Malta	1	2	8	-	-
Netherlands	1	6	-	1	-
Norway	1	5	-	1	-
Poland	1	-	9	2	-
Portugal	1	4	2	4	-
Republic of Moldova	-	-	-	2	-
Romania	1	-	-	3	-
Russian Federation	-	-	-	1	-
Serbia and Montenegro	-	-	-	3	-
Slovakia	-	-	-	5	-
Slovenia	-	-	-	5	-
Spain	1	1	-	1	-
Sweden	3	9	-	3	-
Switzerland	2	2	9	4	-
Ukraine	-	-	-	2	-
United Kingdom	-	-	-	1	-
Oceania					
Australia	1	2	-	2	-
Cook Islands	-	1	-	-	-
Marshall Islands	-	-	2	-	-
Micronesia Federated States of	-	-	-	1	-
New Zealand	1	-	8	3	-
Samoa	2	1	-	-	-
Tonga	-	-	-	2	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Complete life table, life expectancy by sex

Annex 17. Frequency of reporting by National Statistical Authorities, among those that ever reported, on complete life expectancy by sex (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	-	-	1	-	-
Seychelles	-	1	-	-	-
America, North					
Canada	1	1	1	2	-
Cuba	-	1	5	1	-
Greenland	-	-	-	4	-
United States	-	1	2	9	-
America, South					
Argentina	-	-	1	-	-
Chile	-	-	-	5	-
Peru	-	-	1	-	-
Uruguay	-	1	1	1	-
Asia					
Armenia	-	-	-	7	-
Azerbaijan	-	-	-	5	1
China	-	-	1	-	-
China: Hong Kong SAR	-	-	6	10	-
China: Macao SAR	-	-	-	1	-
Israel	-	-	4	4	-
Japan	-	1	2	3	-
Kazakhstan	-	-	1	2	-
Korea (Republic of)	-	1	1	4	-
Kyrgyzstan	-	-	-	8	-
Tajikistan	-	-	-	1	-
Turkey	-	-	-	1	-
Viet Nam	-	1	-	-	-
Europe					
Austria	-	1	-	9	-
Belarus	-	-	-	9	-
Belgium	-	2	-	3	-
Bulgaria	-	1	1	7	-
Czech Republic	-	-	-	10	1
Denmark	-	1	7	8	-
Estonia	-	-	-	6	-
Finland	-	3	5	6	1
France	-	2	4	6	-
Germany	-	-	-	6	-
Greece	1	1	1	4	-
Hungary	-	2	5	10	1
Iceland	-	-	4	8	-
Ireland	-	2	2	2	-
Isle of Man	-	-	-	2	-
Italy	-	2	6	6	-
Latvia	-	-	-	10	1
Liechtenstein	-	1	-	-	-
Lithuania	-	-	-	4	1

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Luxembourg	-	-	1	2	-
Netherlands	-	1	6	8	1
Norway	-	1	3	8	1
Poland	-	1	2	6	-
Portugal	-	1	1	4	-
Republic of Moldova	-	-	-	6	-
Romania	-	-	1	7	-
Russian Federation	-	-	-	6	-
San Marino	-	1	-	1	-
Serbia and Montenegro	-	-	-	1	-
Slovakia	-	-	-	6	-
Slovenia	-	-	-	2	-
Spain	-	1	2	3	-
Sweden	-	-	5	8	1
Switzerland	-	1	-	2	-
The Former Yugoslav Rep. of Macedonia	-	-	-	3	-
Ukraine	-	-	-	5	-
United Kingdom	-	-	6	7	-
Oceania					
Australia	-	-	5	6	-
Fiji	-	1	-	-	-
New Zealand	-	2	1	1	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Complete life table, probability of dying by sex

Annex 18. Frequency of reporting by National Statistical Authorities, among those that ever reported, on complete probability of dying by sex (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	-	-	1	-	-
Seychelles	-	1	-	-	-
America, North					
Canada	-	-	1	1	-
Cuba	-	1	4	1	-
Greenland	-	-	-	4	-
United States	-	1	5	7	-
America, South					
Argentina	-	-	1	-	-
Chile	-	-	-	5	-
Peru	-	-	1	-	-
Uruguay	-	1	1	1	-
Asia					
Armenia	-	-	-	5	-
Azerbaijan	-	-	-	3	-
China	-	-	1	-	-
China: Hong Kong SAR	-	-	10	9	-
China: Macao SAR	-	-	-	1	-
Israel	-	-	4	4	-
Japan	-	1	4	3	-
Kazakhstan	-	-	1	2	-
Korea (Republic of)	-	1	1	3	-
Kyrgyzstan	-	-	-	7	-
Tajikistan	-	-	-	1	-
Europe					
Austria	-	1	2	9	-
Belarus	-	-	-	9	-
Belgium	-	2	-	2	-
Bulgaria	-	1	2	4	-
Czech Republic	-	-	-	9	-
Denmark	-	1	10	6	-
Estonia	-	-	-	5	-
Finland	-	-	5	6	-
France	-	2	6	5	-
Germany	-	-	-	6	-
Greece	1	1	1	3	-
Hungary	-	-	10	8	-
Iceland	-	-	8	7	-
Ireland	-	-	2	1	-
Isle of Man	-	-	-	1	-
Italy	-	2	8	5	-
Latvia	-	-	-	9	-
Liechtenstein	-	1	-	-	-
Lithuania	-	-	-	2	-
Luxembourg	-	1	1	1	-
Netherlands	-	1	8	8	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Norway	-	1	5	7	-
Poland	-	1	2	5	-
Portugal	-	1	1	3	-
Republic of Moldova	-	-	-	6	-
Romania	-	-	2	3	-
Russian Federation	-	-	-	5	-
San Marino	-	1	-	-	-
Slovakia	-	-	-	5	-
Slovenia	-	-	-	1	-
Spain	-	1	1	2	-
Sweden	-	-	10	6	-
Switzerland	-	1	-	1	-
The Former Yugoslav Rep. of Macedonia	-	-	-	2	-
Ukraine	-	-	-	4	-
United Kingdom	-	-	7	5	-
Oceania					
Australia	-	2	9	4	-
Fiji	-	1	-	-	-
New Zealand	-	2	2	1	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Complete life table, number of surviving by sex

Annex 19. Frequency of reporting by National Statistical Authorities, among those that ever reported, on complete number of surviving by sex (1961-2002)^a

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Africa					
Algeria	-	-	1	-	-
Seychelles	-	1	-	-	-
America, North					
Canada	1	1	1	1	-
Cuba	-	1	4	1	-
Greenland	-	-	-	4	-
United States	-	1	4	7	-
America, South					
Argentina	-	-	1	-	-
Chile	-	-	-	5	-
Peru	-	-	1	-	-
Uruguay	-	1	1	1	-
Asia					
Armenia	-	-	-	5	-
Azerbaijan	-	-	-	3	-
China	-	-	1	-	-
China: Hong Kong SAR	-	-	9	9	-
China: Macao SAR	-	-	-	1	-
India	1	-	-	-	-
Israel	-	-	4	4	-
Japan	-	2	2	3	-
Kazakhstan	-	-	1	2	-
Korea (Republic of)	-	1	1	3	-
Kyrgyzstan	-	-	-	7	-
Tajikistan	-	-	-	1	-
Europe					
Austria	-	1	2	9	-
Belarus	-	-	-	9	-
Belgium	-	2	-	1	-
Bulgaria	-	1	2	4	-
Czech Republic	-	-	-	9	-
Denmark	-	1	10	6	-
Estonia	-	-	-	5	-
Finland	-	-	5	6	-
France	-	2	6	5	-
Germany	-	-	-	5	-
Greece	1	1	1	4	-
Hungary	-	-	10	8	-
Iceland	-	-	8	6	-
Ireland	-	2	2	-	-
Isle of Man	-	-	-	2	-
Italy	-	2	7	5	-
Latvia	-	-	-	9	-
Liechtenstein	-	1	-	-	-
Lithuania	-	-	-	2	-
Luxembourg	-	1	1	-	-

Geographic regions and countries/areas	1961-1970	1971-1980	1981-1990	1991-2000	2001-2002
Netherlands	-	1	8	7	-
Norway	-	1	6	7	-
Poland	-	1	2	5	-
Portugal	-	1	1	2	-
Republic of Moldova	-	-	-	6	-
Romania	-	-	3	3	-
Russian Federation	-	-	-	5	-
San Marino	-	1	-	-	-
Slovakia	-	-	-	5	-
Slovenia	-	-	-	1	-
Spain	-	-	1	2	-
Sweden	-	-	10	6	-
Switzerland	-	1	-	-	-
The Former Yugoslav Rep. of Macedonia	-	-	-	2	-
Ukraine	-	-	-	4	-
United Kingdom	-	-	7	3	-
Oceania					
Australia	-	-	9	4	-
Fiji	-	1	-	-	-
New Zealand	-	2	2	1	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Appendix E. Female population by children living

Annex 20. Frequency of reporting by National Statistical Authorities, among those that ever reported, on female population by age and number of children living (1961-2002)^a

Geographic regions and countries/areas	1945-1954	1955-1964	1965-1974	1975-1984	1985-1994	1995-2004
Africa						
Benin	-	-	-	-	1	-
Botswana	-	-	-	-	1	-
Burkina Faso	-	-	-	-	1	-
Burundi	-	-	-	-	1	-
Central African Republic	-	-	-	1	-	-
Egypt	-	-	-	1	-	-
Former Ethiopia	-	-	-	1	-	-
Gambia	-	-	1	-	-	-
Kenya	-	-	1	-	-	-
Liberia	-	-	1	-	-	-
Libyan Arab Jamahiriya	-	-	1	-	-	-
Malawi	-	-	-	2	2	-
Mali	-	-	-	-	1	-
Morocco	-	1	-	-	1	-
Mozambique	1	-	-	-	-	-
Namibia	-	-	-	-	1	-
Rwanda	-	-	1	1	-	-
Saint Helena ex. dep.	-	-	-	-	1	1
Sao Tome and Principe	-	-	-	1	1	-
Seychelles	-	1	1	-	-	-
Sudan	-	-	-	1	-	-
Togo	-	1	-	-	-	-
Tunisia	-	-	-	1	-	-
Uganda	-	-	-	-	1	-
Zambia	-	-	-	1	1	-
Zimbabwe	-	-	-	-	1	-
America, North						
Bermuda	1	1	-	-	-	-
Costa Rica	-	-	1	1	-	-
Cuba	-	-	1	1	-	-
Dominican Republic	-	-	1	-	-	-
El Salvador	-	-	1	-	-	-
Guatemala	-	-	1	1	-	-
Jamaica	-	1	-	1	-	-
Mexico	-	-	-	1	-	1
Nicaragua	-	-	1	-	-	-
Panama	-	-	-	1	1	-
Puerto Rico	-	-	-	-	1	-
America, South						
Argentina	-	-	-	1	1	-
Bolivia	-	-	-	1	2	-
Brazil	1	-	1	1	1	-
Chile	-	-	-	1	-	-
Colombia	-	-	1	-	1	-
Ecuador	-	-	1	1	1	1

Geographic regions and countries/areas	1945-1954	1955-1964	1965-1974	1975-1984	1985-1994	1995-2004
Paraguay	-	-	1	1	-	-
Peru	-	-	1	1	1	-
Uruguay	-	-	-	1	1	1
Venezuela	-	-	-	1	1	-
Asia						
Azerbaijan	-	-	-	-	-	1
Bahrain	-	-	2	-	1	-
Brunei Darussalam	-	1	-	-	-	-
Cambodia	-	1	-	-	-	1
China	-	-	-	1	1	-
China: Hong Kong SAR	-	1	2	-	-	-
China: Macao SAR	-	-	-	-	1	-
Cyprus	-	1	1	-	1	-
India	-	-	-	1	1	-
Indonesia	-	1	1	1	1	1
Iran (Islamic Republic of)	-	-	-	-	1	-
Iraq	-	1	1	-	1	-
Japan	-	-	-	1	1	-
Jordan	-	-	-	1	-	-
Kazakhstan	-	-	-	-	1	1
Korea (Republic of)	-	-	1	2	2	-
Kuwait	-	1	-	2	-	-
Maldives	-	-	-	1	1	1
Myanmar	-	-	-	1	-	-
Nepal	-	-	1	1	1	-
Occupied Palestinian Territory	-	-	-	-	-	1
Philippines	-	1	1	1	1	-
Singapore	-	-	1	-	-	-
Sri Lanka	-	-	1	-	-	-
Syrian Arab Republic	-	1	1	-	-	-
Tajikistan	-	-	-	-	1	-
Thailand	-	-	-	1	1	1
Turkey	-	-	1	1	2	-
United Arab Emirates	-	-	-	1	-	-
Viet Nam	-	-	-	-	-	1
Yemen	-	-	-	-	1	-
Europe						
Belarus	-	-	-	-	1	1
Belgium	-	1	1	-	-	-
Bulgaria	-	-	1	1	-	-
Channel Islands:						
Guernsey	-	1	-	-	-	-
Czech Republic	-	-	-	-	1	-
Estonia	-	-	-	-	1	-
Hungary	1	1	-	-	-	-
Latvia	-	-	-	-	1	-
Lithuania	-	-	-	-	1	-
Malta	1	-	-	-	-	-
Poland	-	-	1	-	-	-
Portugal	1	-	-	-	-	-
Republic of Moldova	-	-	-	-	1	-
Romania	-	-	1	1	1	-

Geographic regions and countries/areas	1945-1954	1955-1964	1965-1974	1975-1984	1985-1994	1995-2004
Russian Federation	-	-	-	-	1	-
Sweden	-	-	2	1	2	-
Switzerland	-	1	-	-	-	-
Ukraine	-	-	-	-	1	-
Oceania						
American Samoa	-	-	1	1	1	-
Cook Islands	-	-	2	2	-	1
Fiji	-	1	1	1	1	-
Guam	-	-	-	1	-	-
Kiribati	-	1	2	1	-	-
Marshall Islands	-	-	-	-	-	1
Micronesia Federated States of	-	-	-	-	1	-
Niue	-	1	-	1	-	-
Papua New Guinea	-	-	-	1	-	-
Samoa	-	2	1	2	-	-
Solomon Islands	-	-	1	1	-	-
Tokelau	-	1	-	-	-	-
Tonga	-	-	1	1	1	-
Vanuatu	-	-	1	-	-	-

Source: United Nations *Demographic Yearbook* database (Date of extraction: 1 January 2004)

a. "-" indicates that data are not available

Appendix F. Dissemination

Annex 21. Data coverage in the Demographic Yearbook (1948 – 2000)

	Tables	1948	1949/50	1951 ¹⁸	1952	1953	1954	1955	1956	1957 ¹⁸	1958	1959	1960
General Mortality	Deaths	1932-47	1934-49	1935-50	1936-51	1950-52	1946-53	1946-54	1947-55	1940-56	1948-57	1949-58	1950-59
	Deaths by urban/rural residence												
	Crude death rates	1932-47	1932-49	1905-50	1936-51	1920-52	1920-39	1946-54	1947-55	1930-56	1948-57	1949-58	1950-59
	Crude death rates by urban/rural residence												
	Deaths by age and sex	1936-47		1936-50				Latest	Latest	1948-56	Latest	Latest	Latest
	Deaths by age, sex and urban/rural residence												
	Death rates specific for age and sex	1936-47	X	1936-50	1936-51		1946-53	Latest	Latest	1948-56			
	Death rates specific for age and sex, by urban/rural residence												
	Deaths by marital status, age and sex										Latest		
	Death rates specific for marital status, age and sex												
	Deaths of males by age and occupation									Latest			
	Mortality rates specific for occupation, age and sex									Latest			
	Deaths by month of occurrence			1946-50									
	Deaths by cause			1947-49	1947-51	Latest	1945-53	Latest	Latest	1952-56	Latest	Latest	Latest
	Death rates by cause			1947-49	1947-51	1947-52	1945-53	Latest	Latest	1952-56	Latest	Latest	Latest
	Deaths by cause, specific for sex												
	Death rates by cause, specific for sex												
	Deaths by cause, specific for age												
	Deaths rates by cause, specific for age												
	Death by cause, age and sex			1947-49						Latest			
Death rates by cause, specific for age and sex									Latest				
Deaths by cause and medical certification									Latest				
Maternal deaths													
Maternal death rates													
Infant Mortality	Infant deaths	1932-47	1934-49	1935-50	1936-51	1950-52	1946-53	1946-54	1947-55	1948-56	1948-57	1949-58	1950-59
	Infant deaths by urban/rural residence												
	Infant mortality rates	1932-47	1932-49	1930-50	1920-51	1920-52	1946-53	1946-54	1947-55	1948-56	1948-57	1949-58	1950-59
	Infant mortality rates by urban/rural residence												
	Infant deaths by age and sex	1936-47		1936-49									
	Infant deaths by age, sex and urban/rural residence												

¹⁸ DYB special topic on mortality

	Tables	1948	1949/50	1951¹⁸	1952	1953	1954	1955	1956	1957¹⁸	1958	1959	1960
	Infant mortality rates by age and sex	1936-47		1936-49									
	Infant mortality rates by age, sex and urban/rural residence												
	Infant deaths by month of occurrence												

Perinatal Mortality	Perinatal deaths												
	Perinatal deaths by urban/rural residence												
	Perinatal death ratio												
	Perinatal death ratio by urban/rural residence												
Life tables	Death rates at specified ages for each sex (abrg.)	X		X	X	X	X			1900-56			
	Survivors at specified ages for each sex (abrg.)	X		X	X	X	X			1900-56			
	Life expectancy at specified ages for each sex (abrg.)	X		X	X	X	X	X	Latest	1900-56	Latest	Latest	Latest
Census tables	Female population by age and number of children born alive												
	Female population by age and number of children born alive and urban/rural residence												
	Female population by age and number of children born living												
	Female population by age and number of children born living and urban/rural residence												

	Tables	1961¹⁸	1962	1963	1964	1965¹⁹	1966¹⁸	1967¹⁸	1968	1969¹⁹	1970	
General Mortality	Deaths	1952-61	1953-62	1954-63		1961-65	1947-66	1963-67				
	Deaths by urban/rural residence							Latest		1965-69	1966-70	
	Crude death rates	1945-61	1945-62	1945-63		1961-65	1920-66	1963-67				
	Crude death rates by urban/rural residence							Latest		1965-69	1966-70	
	Deaths by age and sex	1955-60	Latest	Latest		Latest	1961-65					
	Deaths by age, sex and urban/rural residence							Latest		Latest	Latest	
	Death rates specific for age and sex	1952-60					1960-65					
	Death rates specific for age and sex, by urban/rural residence							Latest		Latest		
	Deaths by marital status, age and sex	Latest						Latest				
	Death rates specific for marital status, age and sex	Latest						Latest				
	Deaths of males by age and occupation	1957-60						1962-66				
	Mortality rates specific for occupation, age and sex	Latest						Latest				
	Deaths by month of occurrence							Latest				
	Deaths by cause		Latest	Latest			Latest				Latest	Latest
	Death rates by cause		Latest	Latest			Latest				Latest	Latest
	Deaths by cause, specific for sex							Latest				
	Death rates by cause, specific for sex							Latest				
	Deaths by cause, specific for age											
	Deaths rates by cause, specific for age											
	Death by cause, age and sex	Latest						Latest				
	Death rates by cause, specific for age and sex	Latest										
	Deaths by cause and medical certification	1955-60						1960-65				
Maternal deaths												
Maternal death rates												
Infant Mortality	Infant deaths	1952-61	1953-62	1954-63		1961-65	1947-66	1963-67				
	Infant deaths by urban/rural residence							Latest		1965-69	1966-70	
	Infant mortality rates	1945-61	1945-62	1945-63		1961-65	1920-66	1963-67				
	Infant mortality rates by urban/rural residence							Latest		1965-69	1966-70	
	Infant deaths by age and sex	1952-60						1962-66				
	Infant deaths by age, sex and urban/rural residence											
	Infant mortality rates by age and sex						1956-65	1962-66				
Infant mortality rates by age, sex and urban/rural residence												

¹⁹ DYB special topic on natality

	Tables	1961¹⁸	1962	1963	1964	1965¹⁹	1966¹⁸	1967¹⁸	1968	1969¹⁹	1970
Perinatal mortality	Infant deaths by month of occurrence							1962-66			
	Perinatal deaths	1952-60					1956-65				
	Perinatal deaths by urban/rural residence										
	Perinatal death ratio	1952-60					1956-65				
	Perinatal death ratio by urban/rural residence										
Life table	Death rates at specified ages for each sex (abrg.)	1940-60					Latest				
	Survivors at specified ages for each sex (abrg.)	1940-60					Latest				
	Life expectancy at specified ages for each sex (abrg)	1940-60	Latest	Latest		Latest	Latest	1900-66		Latest	Latest
Census table	Female population by age and number of children born alive			1955-63						1960-67	
	Female population by age and number of children born alive and urban/rural residence										
	Female population by age and number of children born living			1955-63						1960-67	
	Female population by age and number of children born living and urban/rural residence										

	Tables	1971²⁰	1972²⁰	1973²⁰	1974¹⁸	1975¹⁹	1976	1977	1978²¹	1979²⁰	1980¹⁸
General Mortality	Deaths										
	Deaths by urban/rural residence	1967-71	1968-72	1969-73	1965-74	1971-75	1972-76	1973-77	1974-78	1975-79	1971-80
	Crude death rates										
	Crude death rates by urban/rural residence	1967-71	1968-72	1969-73	1965-74	1971-75	1972-76	1973-77	1974-78	1975-79	1971-80
	Deaths by age and sex										
	Deaths by age, sex and urban/rural residence	Latest	Latest	Latest	1965-73	Latest	Latest	Latest	1948-77	Latest	1971-79
	Death rates specific for age and sex										
	Death rates specific for age and sex, by urban/rural residence	Latest	Latest	Latest	1965-73	Latest	Latest	Latest	1948-77	Latest	1971-79
	Deaths by marital status, age and sex				Latest						Latest
	Death rates specific for marital status, age and sex				Latest						Latest
	Deaths of males by age and occupation										
	Mortality rates specific for occupation, age and sex										
	Deaths by month of occurrence				Latest						1971-79
	Deaths by cause	Latest	Latest	Latest		Latest	Latest	Latest	Latest	Latest	Latest
	Death rates by cause	Latest	Latest	Latest		Latest	Latest	Latest	Latest	Latest	
	Deaths by cause, specific for sex				Latest						Latest
	Death rates by cause, specific for sex				Latest						Latest
	Deaths by cause, specific for age										
	Deaths rates by cause, specific for age										
	Death by cause, age and sex				Latest						Latest
Death rates by cause, specific for age and sex											
Deaths by cause and medical certification				1965-73						1971-79	
Maternal deaths					1966-74	1966-75	1967-76	1968-77	1969-78	1971-79	
Maternal death rates					1966-74	1966-75	1967-76	1968-77	1969-78	1971-79	
Infant Mortality	Infant deaths										
	Infant deaths by urban/rural residence	1967-71	1968-72	1969-73	1965-74	1971-75	1972-76	1973-77	1974-78	1975-79	1971-80
	Infant mortality rates										
	Infant mortality rates by urban/rural residence	1967-71	1968-72	1969-73	1965-74	1971-75	1972-76	1973-77	1974-78	1975-79	1971-80
	Infant deaths by age and sex										
	Infant deaths by age, sex and urban/rural residence	Latest	Latest	Latest	1965-73	Latest	Latest	Latest	Latest	Latest	1971-79
	Infant mortality rates by age and sex										
	Infant mortality rates by age, sex and urban/rural residence	Latest	Latest	Latest	1965-73	Latest	Latest	Latest	Latest	Latest	1971-79
Infant deaths by month of occurrence				1965-73						1971-79	

²⁰ DYB special topic on censuses

²¹ DYB historical supplement

	Tables	1971 ²⁰	1972 ²⁰	1973 ²⁰	1974 ¹⁸	1975 ¹⁹	1976	1977	1978 ²¹	1979 ²⁰	1980 ¹⁸
Perinatal mortality	Perinatal deaths										
	Perinatal deaths by urban/rural residence	1966-70			1965-73						1971-79
	Perinatal death ratio										
	Perinatal death ratio by urban/rural residence	1966-70			1965-73						1971-79
Life table	Death rates at specified ages for each sex (abrg.)				Latest						Latest
	Survivors at specified ages for each sex (abrg.)				Latest						Latest
	Life expectancy at specified ages for each sex (abrg)	Latest	Latest	Latest	Latest	Latest	Latest	Latest	1948-77	Latest	Latest
Census tables	Female population by age and number of children born alive										
	Female population by age and number of children born alive and urban/rural residence	1962-71		1965-73					1948-77		
	Female population by age and number of children born living										
	Female population by age and number of children born living and urban/rural residence	1962-71		1965-73					1948-77		

	Tables	1981¹⁹	1982	1983²⁰	1984²¹	1985¹⁸	1986¹⁹	1987	1988²⁰	1989	1990
General Mortality	Deaths										
	Deaths by urban/rural residence	1977-81	1978-82	1979-83	1980-84	1976-85	1982-86	1983-87	1984-88	1985-89	1986-90
	Crude death rates										
	Crude death rates by urban/rural residence	1977-81	1978-82	1979-83	1980-84	1976-85	1982-86	1983-87	1984-88	1985-89	1986-90
	Deaths by age and sex										
	Deaths by age, sex and urban/rural residence	Latest	Latest	Latest	Latest	1976-84	Latest	Latest	Latest	Latest	Latest
	Death rates specific for age and sex										
	Death rates specific for age and sex, by urban/rural residence	Latest	Latest	Latest	Latest	1976-84	Latest	Latest	Latest	Latest	Latest
	Deaths by marital status, age and sex					Latest					
	Death rates specific for marital status, age and sex					Latest					
	Deaths of males by age and occupation										
	Mortality rates specific for occupation, age and sex										
	Deaths by month of occurrence					1976-84					
	Deaths by cause	Latest	Latest	Latest	Latest		Latest	Latest	Latest	Latest	Latest
	Death rates by cause	Latest	Latest	Latest	Latest		Latest	Latest	Latest	Latest	Latest
	Deaths by cause, specific for sex					Latest					
	Death rates by cause, specific for sex					Latest					
	Deaths by cause, specific for age										
	Deaths rates by cause, specific for age										
	Death by cause, age and sex					Latest					
Death rates by cause, specific for age and sex											
Deaths by cause and medical certification					1976-84						
Maternal deaths	1971-80	1972-81	1973-82	1974-83	1975-84	1976-85	1977-86	1978-87	1979-88	1980-89	
Maternal death rates	1971-80	1972-81	1973-82	1974-83	1975-84	1976-85	1977-86	1978-87	1979-88	1980-89	
Infant Mortality	Infant deaths										
	Infant deaths by urban/rural residence	1977-81	1978-82	1979-83	1980-84	1976-85	1982-86	1983-87	1984-88	1985-89	1986-90
	Infant mortality rates										
	Infant mortality rates by urban/rural residence	1977-81	1978-82	1979-83	1980-84	1976-85	1982-86	1983-87	1984-88	1985-89	1986-90
	Infant deaths by age and sex										
	Infant deaths by age, sex and urban/rural residence	Latest	Latest	Latest	Latest	1976-84	Latest	Latest	Latest	Latest	Latest
	Infant mortality rates by age and sex										
	Infant mortality rates by age, sex and urban/rural residence	Latest	Latest	Latest	Latest	1976-84	Latest	Latest	Latest	Latest	Latest
Perinatal mortality	Infant deaths by month of occurrence					1976-84					
	Perinatal deaths										
	Perinatal deaths by urban/rural residence					1976-84					
	Perinatal death ratio										
	Perinatal death ratio by urban/rural residence					1976-84					

	Tables	1981¹⁹	1982	1983²⁰	1984²¹	1985¹⁸	1986¹⁹	1987	1988²⁰	1989	1990
Life table	Death rates at specified ages for each sex (abrg.)					Latest					
	Survivors at specified ages for each sex (abrg.)					Latest					
	Life expectancy at specified ages for each sex (abrg.)	Latest	Latest	Latest	Latest	Latest	Latest	Latest	Latest	Latest	Latest
Census tables	Female population by age and number of children born alive										
	Female population by age and number of children born alive and urban/rural residence	1972-80					1977-85				
	Female population by age and number of children born living										
	Female population by age and number of children born living and urban/rural residence	1972-80					1977-85				

	Tables	1991	1992^{18, 19}	1993²⁰	1994²⁰	1995	1996¹⁸	1997²¹	1998	1999¹⁹	2000
General Mortality	Deaths										
	Deaths by urban/rural residence	1987-91	1983-92	1989-93	1990-94	1991-95	1987-96	1993-97	1994-98	1995-98	1996-00
	Crude death rates										
	Crude death rates by urban/rural residence	1987-91	1983-92	1989-93	1990-94	1991-95	1987-96	1993-97	1994-98	1995-98	1996-00
	Deaths by age and sex										
	Deaths by age, sex and urban/rural residence	Latest	1983-92	Latest	Latest	Latest	1987-95	1948-97	Latest	Latest	Latest
	Death rates specific for age and sex										
	Death rates specific for age and sex, by urban/rural residence	Latest	1983-92	Latest	Latest	Latest	1987-95	1948-97	Latest	Latest	Latest
	Deaths by marital status, age and sex						Latest				
	Death rates specific for marital status, age and sex						Latest				
	Deaths of males by age and occupation										
	Mortality rates specific for occupation, age and sex										
	Deaths by month of occurrence										
	Deaths by cause	Latest	Latest	Latest	Latest	Latest	1987-95	Latest	Latest	Latest	Latest
	Death rates by cause	Latest	Latest	Latest	Latest	Latest	1987-95	Latest	Latest	Latest	Latest
	Deaths by cause, specific for sex						Latest				
	Death rates by cause, specific for sex						Latest				
	Deaths by cause, specific for age										
	Deaths rates by cause, specific for age										
	Death by cause, age and sex						Latest				
Death rates by cause, specific for age and sex											
Deaths by cause and medical certification											
Maternal deaths	1981-90	1982-91	1983-92	1984-93	1985-94	1986-95	1987-96	1988-97	1989-98	1991-00	
Maternal death rates	1981-90	1982-91	1983-92	1984-93	1985-94	1986-95	1987-96	1988-97	1989-98	1991-00	
Infant Mortality	Infant deaths										
	Infant deaths by urban/rural residence	1987-91	1983-92	1989-93	1990-94	1991-95	1987-96	1993-97	1994-98	1995-99	1996-00
	Infant mortality rates										
	Infant mortality rates by urban/rural residence	1987-91	1983-92	1989-93	1990-94	1991-95	1987-96	1993-97	1994-98	1995-99	1996-00
	Infant deaths by age and sex										
	Infant deaths by age, sex and urban/rural residence	Latest	1983-92	Latest	Latest	Latest	1987-95	Latest	Latest	Latest	Latest
	Infant mortality rates by age and sex										
	Infant mortality rates by age, sex and urban/rural residence	Latest	1983-92	Latest	Latest	Latest	1987-95	Latest	Latest	Latest	Latest
Infant deaths by month of occurrence											
Perinatal mortality	Perinatal deaths										
	Perinatal deaths by urban/rural residence						1987-95				
	Perinatal death ratio										
	Perinatal death ratio by urban/rural residence						1987-95				

	Tables	1991	1992 ^{18,19}	1993 ²⁰	1994 ²⁰	1995	1996 ¹⁸	1997 ²¹	1998	1999 ¹⁹	2000
Life table	Death rates at specified ages for each sex (abrg.)						Latest				
	Survivors at specified ages for each sex (abrg.)						Latest				
	Life expectancy at specified ages for each sex (abrg)	Latest	Latest	Latest	Latest	Latest	Latest	Latest	Latest	Latest	Latest
Census tables	Female population by age and number of children born alive										
	Female population by age and number of children born alive and urban/rural residence							1948-97			
	Female population by age and number of children born living										
	Female population by age and number of children born living and urban/rural residence							1948-97			

Source: *Demographic Yearbook, 1948-2000*

¹ *Principles and Recommendations for a Vital Statistics System*, Sales No. E.01.XVII.10, United Nations, New York, 2001

² *Principles and Recommendations for Population and Housing Censuses, Revision 1*, Sales No. E.98.XVII.8, United Nations, 1998

³ *Principles for a Vital Statistics System*, Sales No. 1953.XVII.8, United Nations, New York, 1953

⁴ *Principles and Recommendations for a Vital Statistics System*, Sales No. E.73.XVII.9, United Nations, New York, 1973