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# World Population 1979

Recent Demographic  
Estimates for the Countries and  
Regions of the World

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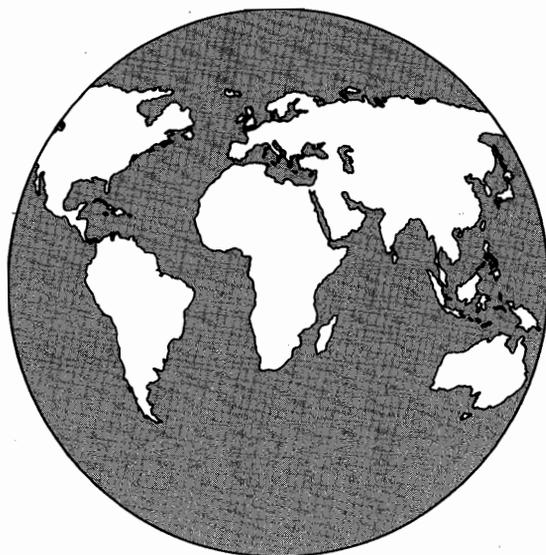
U.S. Department of Commerce  
BUREAU OF THE CENSUS

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Issued October 1980



**U.S. Department of Commerce**  
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# **Introduction**

## General Information

This report presents summary demographic information for the 200 countries and territories of the world, and aggregated data for the world regions and subregions. These data are presented for use by U.S. and foreign government agencies, foreign missions, private organizations, businesses, universities, researchers, students, and others with a requirement for a consistent, annotated body of recent international population statistics. Some of the individual country data were published earlier this year in a report that contained data for the 87 largest countries, those with a population of 5 million or more.<sup>1</sup> The data are based on the latest information available for each country, which often supersedes or offers new insights into the information previously available. This report replaces those previously issued in this publication series,<sup>2</sup> and it should not be used in conjunction with the earlier reports to derive time series of vital rates or other measures presented.

All of the data presented in this publication are annotated to indicate to the user both the source of the base information and, wherever possible, the methods used to derive the estimates, whether they were derived by the staff of the U.S. Bureau of the Census, by an agency in the countries themselves, or by other researchers. The recency and quality of base data vary among the countries, and in many instances the estimates are derived by indirect techniques from incomplete data. These techniques are mentioned in the source notes for each item, and the associated terms are defined in the glossary. The definitions usually include the kinds of base data (e.g., children ever born) used in applying the technique, and a source reference where the technique has been described in the literature.

Of the world's 200 countries and territories with a population of at least 5,000, for which demographic estimates are provided in this volume, 156 are classified as "less developed" and 44 as "more developed" (see section on Composition of Subregions). For most of the less developed countries of Africa, Asia, and Latin America, as well as for the more developed countries of Australia, New Zealand, St. Pierre and Miquelon, and Bermuda, estimates are made by the staff of the International Demographic Data Center. For all of the European countries, as well as Canada, Greenland,

Japan, the Soviet Union, Cuba, Mongolia, the Democratic People's Republic of Korea, and Mainland China, reported and estimated data are provided by the staff of the Foreign Demographic Analysis Division. For the United States and its outlying areas (American Samoa, Guam, Pacific Islands, Puerto Rico, and the Virgin Islands), data are provided by staff members of the Population Division.

### Benchmark data

"Benchmark data" in this report, as in the previous ones, represent those reported and estimated figures which are based on reliable<sup>3</sup> population censuses, vital registration systems, and/or sample surveys. In the presentation of the benchmark data for the various countries, a range of estimates instead of a single figure is sometimes shown, when alternative estimates may be derived by applying different methods to the same census or survey data, or when single methods yield multiple results. The techniques used to derive both the lower and the upper bounds of the range are explained in the notes.

In the case of total population estimates, the benchmark is usually the latest census. As shown in table 1, there are only five countries that still have never taken a census (Chad, Ethiopia, and Guinea in Africa; Laos and Oman in Asia), and these countries make up only 1 percent of the world's population. Nine out of ten countries have taken a census in 1970 or later, though these countries account for less than three quarters (73.4 percent) of the world's population, principally because Mainland China is not counted among them.<sup>4</sup> If we delete Mainland China from the calculations, then 95 percent of the world's and 98 percent of Asia's population were covered by a census during the 1970's. In Africa, an estimated 9 percent of the population lives in the three countries that have never taken a census, and 18 percent in the five countries whose latest census was taken prior to 1970. In Latin America, Oceania, and the developed regions, virtually the entire population has been included in a census during the past decade. Furthermore, at least 123 countries are known to be anticipating their next census during the years

<sup>1</sup> U.S. Bureau of the Census, *International Population Dynamics 1950-79, Demographic Estimates for Countries With a Population of 5 Million or More*, Washington, D.C., 1980. This report included a table for each country with available data on "Benchmark Vital Rates for Selected Years Since 1950," which is not repeated in the present report.

<sup>2</sup> U.S. Bureau of the Census, *World Population 1977, Recent Demographic Estimates for the Countries and Regions of the World*, Washington, D.C., 1978; and similar reports for 1975 and 1973.

<sup>3</sup> In general, these data are judged to be reliable with respect to internal consistency and conformance to other known demographic facts for the country.

<sup>4</sup> Mainland China took a census in 1953 which is used as a benchmark for the estimates in this report. Another census was taken in 1964, but the results of that enumeration have not yet been reconciled with other available data.

Table 1. Population Census Data: Number of Countries and Percent of Population, by Region and Year of Latest Census

| Region   | Year of latest census |               |             |         |       |               |             |      |
|--|-----------------------|---------------|-------------|---------|-------|---------------|-------------|------|
|  | Total                 | 1970 or later | Before 1970 | None    | Total | 1970 or later | Before 1970 | None |
|  |                       |               |             |         |       |               |             |      |
| Number   |                       |               |             | Percent |       |               |             |      |
| World . . . . .                                      | 200                   | 180           | 15          | 5       | 100.0 | 90.0          | 7.5         | 2.5  |
| Africa . . . . .                                     | 55                    | 47            | 5           | 3       | 100.0 | 85.5          | 9.1         | 5.5  |
| Asia . . . . .                                       | 43                    | 34            | 7           | 2       | 100.0 | 79.1          | 16.3        | 4.7  |
| Latin America . . . . .                              | 43                    | 43            | —           | —       | 100.0 | 100.0         | —           | —    |
| Northern America, Europe, and Soviet Union . . . . . | 41                    | 38            | 3           | —       | 100.0 | 92.7          | 7.3         | —    |
| Oceania . . . . .                                    | 18                    | 18            | —           | —       | 100.0 | 100.0         | —           | —    |
| Population: 1979 (midyear)                           |                       |               |             |         |       |               |             |      |
| Number in millions                                   |                       |               |             | Percent |       |               |             |      |
| World . . . . .                                      | 4,406                 | 3,233         | 1,128       | 46      | 100.0 | 73.4          | 25.6        | 1.0  |
| (Excluding China) . . . . .                          | 3,394                 | 3,233         | 116         | 46      | 100.0 | 95.2          | 3.4         | 1.4  |
| Africa . . . . .                                     | 458                   | 334           | 83          | 42      | 100.0 | 72.8          | 18.1        | 9.1  |
| Asia . . . . .                                       | 2,583                 | 1,534         | 1,045       | 4       | 100.0 | 59.4          | 40.4        | 0.2  |
| (Excluding China) . . . . .                          | 1,571                 | 1,534         | 32          | 4       | 100.0 | 97.7          | 2.1         | 0.3  |
| Latin America . . . . .                              | 353                   | 353           | —           | —       | 100.0 | 100.0         | —           | —    |
| Northern America, Europe, and Soviet Union . . . . . | 990                   | 990           | (Z)         | —       | 100.0 | 100.0         | (Z)         | —    |
| Oceania . . . . .                                    | 22                    | 22            | —           | —       | 100.0 | 100.0         | —           | —    |

— Represents zero.

Z Less than 500,000 or less than 0.05 percent.

1980 to 1984, in addition to several whose 1980 census has already been taken (see table 2).

Of particular importance among the planned enumerations is the one scheduled for Mainland China in 1981. Other countries with forthcoming enumerations include Laos (1980), Oman (1981), Ethiopia (1982-83), and Guinea (1980), each of which has never taken a census before. Anticipating success in all the 1980 round of censuses, it is possible during the next few years that we may know the size of the world population more precisely than ever before.

The situation is somewhat different with regard to data on

crude birth and death rates (tables 3 and 4). Here especially, it is important to consider both the number of countries and the proportion of population in each category. Worldwide, there are 32 countries with no benchmark data from which to calculate a crude birth rate, and 36 in the case of the crude death rate. This means that these measures do not exist for about one in six countries overall, for one in four countries of Africa, and for about one in three countries of Asia. Even if most of these countries are small in population size (as in fact they are), a very large effort will be required if it is desired to institute a system of regular data collection in so many countries. To some extent the World Fertility

Table 2. Population Census Data: Number of Countries Having Taken a Census in 1980 and Having Scheduled a Census for 1980-84, by Region

| Region   | All countries | Census taken in 1980 <sup>1</sup> | Census scheduled 1980-84 |
|--|---------------|-----------------------------------|--------------------------|
| World . . . . .                                      | 200           | 10                                | 123                      |
| Africa . . . . .                                     | 55            | 1                                 | 25                       |
| Asia . . . . .                                       | 43            | 2                                 | 25                       |
| Latin America . . . . .                              | 43            | 2                                 | 38                       |
| Northern America, Europe, and Soviet Union . . . . . | 41            | 2                                 | 30                       |
| Oceania . . . . .                                    | 18            | 3                                 | 5                        |

<sup>1</sup> Information as of April 1980.

Survey<sup>5</sup> may assist in the effort to make available new benchmark data, but the regular collection of vital statistics through a registration system would require a more sustained effort.

As already noted, the effect of data availability on the reliability of estimates of the world's vital rates depends not only on the number of countries in each category but more particularly on the proportion of population found in these countries. Considering the world aggregate, the tally shows that reliable birth and death rates during the 1970's are available for only 70 percent of the world's population; this would imply that some 30 percent of the base information from which to derive a world population growth rate is perhaps educated guesswork. However, if China is excluded from the tally, it becomes apparent that—with the notable exception of Africa—benchmark estimates of crude birth and death rates are available for 90 percent or more of the population of every continent; and even though such estimates are available for only 66 percent of the population of Africa, the virtually complete registration in the developed countries brings the overall world proportion to 90 percent. Thus, although 16-18 percent of the countries have no benchmark vital rates and 10-12 percent of the countries have such data that relate only to years prior to 1970, these are primarily the very small nations that fail to make a substantial impact on the world rates. Once the data availability is improved in Africa, and when the data for China become a bit more comprehensible, the situation with respect to vital rates will not lag far behind the population census data.

<sup>5</sup>The World Fertility Survey is a project of the International Statistical Institute with the collaboration of the United Nations and in cooperation with the International Union for the Scientific Study of Population, designed to assist developing countries to carry out nationally representative, internationally comparable and scientifically designed and conducted surveys of human fertility behavior. As of February 1980, 40 developing countries (10 in Africa, 16 in Asia, 13 in Latin America, and 1 in Oceania) had reached or passed the stage of obtaining a firm agreement to participate. Actual survey work was in various stages of completion, with 19 countries already having published their first results.

When the availability and recency of benchmark data from which to calculate estimates of infant mortality rates and life expectancy at birth (tables 5 and 6) are considered, an interesting pattern emerges. First, it is noted as expected that because these measures require more data to calculate than crude birth and death rates do, such data are available for fewer countries. Worldwide, only 124 countries have benchmark data on infant mortality pertaining to the 1970's, and only 101, or half of the world's countries, have benchmark life expectancy estimates for this period. The data situation is poorer for these measures in all continents than for the census data and vital rates already discussed, although it should be noted in the case of the developed nations that the nine countries without recent data have a combined population of less than 0.5 percent of the developed nations' total.

In terms of the number of countries with or without recent data, the tally shows that (except for Asia) all regions have more information on infant mortality than on life expectancy. This is not unexpected, since more detailed data are required for calculating life expectancy. Nevertheless, it is interesting to note that for most regions the proportion of population in each of the categories is remarkably similar for both measures. Thus, about half of the world's population can be represented by benchmark estimates of life expectancy and infant mortality for some date in the 1970s, or about two-thirds of the population if Mainland China is excluded. For about 28 percent of the world's population, there are no benchmark estimates of life expectancy or infant mortality.

Finally, data on net international migration, the third component of demographic change, are by far the most difficult to assess because of the paucity of data for many countries and a noticeable lack of international comparability in the available data. The estimates and projections of net international migration presented throughout this report have drawn upon various types of information including official data on immigration and emigration; data

Table 3. Crude Birth Rate Data: Number of Countries and Percent of Population, by Region and Year of Benchmark Data

| Region  | Year of benchmark data     |               |             |       |         |               |             |      |
|---|----------------------------|---------------|-------------|-------|---------|---------------|-------------|------|
|   | Total                      | 1970 or later | Before 1970 | None  | Total   | 1970 or later | Before 1970 | None |
|   | Countries                  |               |             |       |         |               |             |      |
|   | Number                     |               |             |       | Percent |               |             |      |
| World . . . . .   | 200                        | 148           | 20          | 32    | 100.0   | 74.0          | 10.0        | 16.0 |
| Africa . . . . .  | 55                         | 28            | 14          | 13    | 100.0   | 50.9          | 25.5        | 23.6 |
| Asia . . . . .  | 43                         | 25            | 2           | 16    | 100.0   | 58.1          | 4.7         | 37.2 |
| Latin America . . . . .                                 | 43                         | 40            | 2           | 1     | 100.0   | 93.0          | 4.7         | 2.3  |
| Northern America, Europe,<br>and Soviet Union . . . . . | 41                         | 41            | —           | —     | 100.0   | 100.0         | —           | —    |
| Oceania . . . . .                                       | 18                         | 14            | 2           | 2     | 100.0   | 77.8          | 11.1        | 11.1 |
|   | Population: 1979 (midyear) |               |             |       |         |               |             |      |
|   | Number in millions         |               |             |       | Percent |               |             |      |
| World . . . . .   | 4,406                      | 3,073         | 135         | 1,198 | 100.0   | 69.7          | 3.1         | 27.2 |
| (Excluding China) . . . . .                             | 3,394                      | 3,073         | 135         | 186   | 100.0   | 90.5          | 4.0         | 5.5  |
| Africa . . . . .  | 458                        | 304           | 112         | 42    | 100.0   | 66.3          | 24.5        | 9.2  |
| Asia . . . . .  | 2,583                      | 1,418         | 9           | 1,156 | 100.0   | 54.9          | 0.3         | 44.8 |
| (Excluding China) . . . . .                             | 1,571                      | 1,418         | 9           | 144   | 100.0   | 90.3          | 0.6         | 9.1  |
| Latin America . . . . .                                 | 353                        | 339           | 13          | (Z)   | 100.0   | 96.1          | 3.8         | 0.1  |
| Northern America, Europe,<br>and Soviet Union . . . . . | 990                        | 990           | —           | —     | 100.0   | 100.0         | —           | —    |
| Oceania . . . . .                                       | 22                         | 22            | (Z)         | (Z)   | 100.0   | 98.8          | 0.7         | 0.5  |

— Represents zero.

Z Less than 500,000.

on arrivals and departures; estimates of refugee and labor movements; and statistics on foreign-born populations. In many cases, the residual method (the difference between the estimated rate of natural increase and the rate of growth) was utilized to estimate the migration component indirectly, or to calculate implied migration, because of the lack of direct evidence or the unknown or poor quality of available data. Direct or indirect evidence of net international migration in 1978 is presented for over half of the countries of the world, and this migration is reflected in the midyear population estimates of the countries concerned.

### Projected estimates

Based on the benchmark data for whatever years they are available for each country, "projected estimates" for a common date are shown in this report for total population (midyear 1979), and crude birth rates, crude death rates, and growth rates (1978). Although the notes are generally rather brief for these items, often referring to "assumed trends," detailed notes on factors considered in deriving the projected estimates are maintained in the files of the International Demographic Data Center, U.S. Bureau of the

Table 4. Crude Death Rate Data: Number of Countries and Percent of Population, by Region and Year of Benchmark Data

| Region  | Year of benchmark data     |               |             |       |                            |               |             |      |
|---|----------------------------|---------------|-------------|-------|----------------------------|---------------|-------------|------|
|   | Total                      | 1970 or later | Before 1970 | None  | Total                      | 1970 or later | Before 1970 | None |
|   | Countries                  |               |             |       | Population: 1979 (midyear) |               |             |      |
|   | Number                     |               |             |       | Percent                    |               |             |      |
| World . . . . .   | 200                        | 141           | 23          | 36    | 100.0                      | 70.5          | 11.5        | 18.0 |
| Africa . . . . .  | 55                         | 24            | 16          | 15    | 100.0                      | 43.6          | 29.1        | 27.3 |
| Asia . . . . .  | 43                         | 25            | 2           | 16    | 100.0                      | 58.1          | 4.7         | 37.2 |
| Latin America . . . . .                                 | 43                         | 38            | 3           | 2     | 100.0                      | 88.4          | 7.0         | 4.7  |
| Northern America, Europe,<br>and Soviet Union . . . . . | 41                         | 41            | —           | —     | 100.0                      | 100.0         | —           | —    |
| Oceania . . . . .                                       | 18                         | 13            | 2           | 3     | 100.0                      | 72.2          | 11.1        | 16.7 |
|   | Population: 1979 (midyear) |               |             |       |                            |               |             |      |
|   | Number in millions         |               |             |       | Percent                    |               |             |      |
| World . . . . .   | 4,406                      | 3,044         | 147         | 1,215 | 100.0                      | 69.1          | 3.3         | 27.6 |
| (Excluding China) . . . . .                             | 3,394                      | 3,044         | 147         | 202   | 100.0                      | 89.7          | 4.3         | 6.0  |
| Africa . . . . .  | 458                        | 286           | 116         | 55    | 100.0                      | 62.5          | 25.4        | 12.1 |
| Asia . . . . .  | 2,583                      | 1,412         | 12          | 1,159 | 100.0                      | 54.7          | 0.5         | 44.9 |
| (Excluding China) . . . . .                             | 1,571                      | 1,412         | 12          | 146   | 100.0                      | 89.9          | 0.7         | 9.3  |
| Latin America . . . . .                                 | 353                        | 333           | 19          | (Z)   | 100.0                      | 94.5          | 5.4         | 0.1  |
| Northern America, Europe,<br>and Soviet Union . . . . . | 990                        | 990           | —           | —     | 100.0                      | 100.0         | —           | —    |
| Oceania . . . . .                                       | 22                         | 22            | (Z)         | (Z)   | 100.0                      | 98.2          | 0.7         | 0.1  |

— Represents zero.

Z Less than 500,000.

Census. According to each country's data situation, these factors may include objective information on past trends, or more subjective notions based on the probable effects of factors such as the general level of development, health conditions, or the level of contraceptive use. In a few cases where the information is particularly sparse, it was necessary to use as a proxy the estimated trends for "similar" countries in the region. Probably the best indicator of the reliability of the projected estimates, particularly in the case of the birth and death rates, is the length of time elapsed since the reference date of the benchmark data.

#### Notes on the tables

Following are some explanatory notes relating specifically to the data sheets for each country. The numbers correspond to the numbered items in the data for each country.

1. **Enumerated population.** The reported census figure is shown. The figure presented is a de facto count unless the note states it to be de jure (see glossary for definitions of "de facto" and "de jure"). For a few countries, only an

Table 5. Infant Mortality Data: Number of Countries and Percent of Population, by Region and Year of Benchmark Data

| Region  | Year of benchmark data |               |             |       |                            |               |             |      |
|---|------------------------|---------------|-------------|-------|----------------------------|---------------|-------------|------|
|   | Total                  | 1970 or later | Before 1970 | None  | Total                      | 1970 or later | Before 1970 | None |
|   | Countries              |               |             |       | Population: 1979 (midyear) |               |             |      |
|   | Number                 |               |             |       | Percent                    |               |             |      |
| World . . . . .   | 200                    | 124           | 29          | 47    | 100.0                      | 62.0          | 14.5        | 23.5 |
| Africa . . . . .  | 55                     | 21            | 16          | 18    | 100.0                      | 38.2          | 29.1        | 32.7 |
| Asia . . . . .  | 43                     | 20            | 4           | 19    | 100.0                      | 46.5          | 9.3         | 44.2 |
| Latin America . . . . .                                 | 43                     | 37            | 4           | 2     | 100.0                      | 86.0          | 9.3         | 4.7  |
| Northern America, Europe,<br>and Soviet Union . . . . . | 41                     | 38            | 1           | 2     | 100.0                      | 92.7          | 2.4         | 4.9  |
| Oceania . . . . .                                       | 18                     | 8             | 4           | 6     | 100.0                      | 44.4          | 22.2        | 33.3 |
|   | Number in millions     |               |             |       | Percent                    |               |             |      |
| World . . . . .   | 4,406                  | 2,264         | 892         | 1,251 | 100.0                      | 51.4          | 20.2        | 28.4 |
| (Excluding China) . . . . .                             | 3,394                  | 2,264         | 892         | 239   | 100.0                      | 66.7          | 26.3        | 7.0  |
| Africa . . . . .  | 458                    | 197           | 187         | 74    | 100.0                      | 43.0          | 40.7        | 16.3 |
| Asia . . . . .  | 2,583                  | 728           | 679         | 1,176 | 100.0                      | 28.2          | 26.3        | 45.5 |
| (Excluding China) . . . . .                             | 1,571                  | 728           | 679         | 164   | 100.0                      | 46.3          | 43.3        | 10.4 |
| Latin America . . . . .                                 | 353                    | 333           | 19          | (Z)   | 100.0                      | 94.4          | 5.5         | 0.1  |
| Northern America, Europe,<br>and Soviet Union . . . . . | 990                    | 987           | 3           | (Z)   | 100.0                      | 99.7          | 0.3         | (Z)  |
| Oceania . . . . .                                       | 22                     | 19            | 3           | (Z)   | 100.0                      | 83.1          | 15.5        | 1.4  |

Z Less than 500,000 or less than 0.05 percent.

adjusted census figure was ever released; in such cases, the figure is shown in item 2.

**2. Adjusted population.** Whenever available, an adjusted census figure based on an evaluation of the reported data is presented. The source note indicates the overall magnitude of the adjustment and whether the estimated adjustment was made officially by the country, by the U.S. Bureau of the Census, or by another organization.

**3-4. Crude birth and death rates.** Whenever possible, these rates are based on figures taken from the registration of vital events. However, in a large number of developing

countries, vital registration either is too incomplete to serve as a basis for vital rates estimates or is nonexistent. In such cases, the data should be interpreted in the context of the source notes, which briefly explain their derivation.

**5. Annual rate of growth.** For many countries, where international migration is not a significant factor in population change, the growth rate is equivalent to the rate of natural increase (see glossary). Where migration is significant, an attempt is made to mention in the note the rate of net immigration or emigration, and whether this is based on actual information relating specifically to migration, or whether it is just implied by independent estimates of the rates of growth and natural increase. In cases where the

Table 6. Life Expectancy Data: Number of Countries and Percent of Population, by Region and Year of Benchmark Data

| Region  | Year of benchmark data |               |             |       |                            |               |             |      |
|---|------------------------|---------------|-------------|-------|----------------------------|---------------|-------------|------|
|   | Total                  | 1970 or later | Before 1970 | None  | Total                      | 1970 or later | Before 1970 | None |
|   | Countries              |               |             |       | Population: 1979 (midyear) |               |             |      |
|   | Number                 |               |             |       | Percent                    |               |             |      |
| World . . . . .   | 200                    | 101           | 40          | 59    | 100.0                      | 50.5          | 20.0        | 29.5 |
| Africa . . . . .  | 55                     | 17            | 17          | 21    | 100.0                      | 30.9          | 30.9        | 38.2 |
| Asia . . . . .  | 43                     | 21            | 4           | 18    | 100.0                      | 48.8          | 9.3         | 41.9 |
| Latin America . . . . .                                 | 43                     | 27            | 12          | 4     | 100.0                      | 62.8          | 27.9        | 9.3  |
| Northern America, Europe,<br>and Soviet Union . . . . . | 41                     | 32            | 1           | 8     | 100.0                      | 78.0          | 2.4         | 19.5 |
| Oceania . . . . .                                       | 18                     | 4             | 6           | 8     | 100.0                      | 22.2          | 33.3        | 44.4 |
|   | Number in millions     |               |             |       | Percent                    |               |             |      |
| World . . . . .   | 4,406                  | 2,201         | 961         | 1,245 | 100.0                      | 49.9          | 21.8        | 28.3 |
| (Excluding China) . . . . .                             | 3,394                  | 2,201         | 961         | 233   | 100.0                      | 64.8          | 28.3        | 6.9  |
| Africa . . . . .  | 458                    | 201           | 181         | 76    | 100.0                      | 43.9          | 39.5        | 16.6 |
| Asia . . . . .  | 2,583                  | 660           | 755         | 1,168 | 100.0                      | 25.6          | 29.2        | 45.2 |
| (Excluding China) . . . . .                             | 1,571                  | 660           | 755         | 155   | 100.0                      | 42.0          | 48.1        | 9.9  |
| Latin America . . . . .                                 | 353                    | 332           | 21          | (Z)   | 100.0                      | 94.1          | 5.8         | 0.1  |
| Northern America, Europe,<br>and Soviet Union . . . . . | 990                    | 990           | (Z)         | (Z)   | 100.0                      | 100.0         | (Z)         | (Z)  |
| Oceania . . . . .                                       | 22                     | 18            | 4           | 1     | 100.0                      | 78.8          | 18.3        | 2.9  |

Z Less than 500,000 or less than 0.05 percent.

growth rate is shown for a time period longer than 1 year (usually an intercensal period) based on the average annual growth implied by reported population figures, the rate is calculated exponentially (see "growth rate" in the glossary).

**6. Life expectancy at birth.** As shown, this measure relates to both sexes combined, although it is sometimes derived by combining separate data for each sex. Where adequate data are not available to construct an empirical life table from which to derive the life expectancy at birth, a rough estimate is sometimes given in the note based on the selection of a seemingly appropriate model life table.

**7. Infant mortality rate.** As in the case of the life expectancy at birth, a rough estimate based on model life tables

is sometimes shown in the note when more direct information is not available. This is done for the benefit of the user who can make do with a rough approximation in the absence of reliable data.

**8. Population, July 1, 1979.** This item is generally shown in italics to indicate that it is a projection beyond the date of the benchmark population data. The same figure is shown for 1979 in the population time series for 1950 to 1979, where the note on its derivation appears.

**9-10. Birth and death rates, 1978.** In most cases these are projected beyond the year of the benchmark data. For countries where reliable registered or derived rates for 1978

are presented as benchmarks in items 3 and 4, the same rates appear in items 9 and 10, and italics are not used.

**11. Annual rate of growth.** As in item 5, net international migration is taken into account for this item whenever it is a significant component of population change in a given country. This is a rate for calendar year 1978, as opposed to the average annual rates shown in the population time series, which are calculated based on midyear population estimates for each fifth year.

### Midyear population estimates

Depending upon the availability of base data for the particular countries, one, several, or many point estimates of total population are used as a basis for constructing the population time series. These point estimates, as well as the availability of supplementary information on growth rates, are indicated in the notes. Although population figures are shown in thousands and growth rates to one decimal place, calculations were performed on unrounded numbers. Occasionally a rate is shown as "0.0" or "-0.0" to indicate a small positive or negative growth rate that rounds to zero. Average annual rates of growth were calculated exponentially (see "growth rate" in glossary) based on the July 1 population estimates for each fifth year.

### List of censuses

Following the midyear population estimates, most censuses taken since 1950 (and occasionally those taken in the late 1940's) are listed in the data sheets for each country. In a few cases, a census is omitted from this listing if, after analysis, the results were not deemed adequate for use as a base in making population estimates, usually because the figures are grossly inconsistent with other known demographic facts available for the country, or occasionally because the country's government itself has rejected the results. A few of the newer census totals (shown in item 1) have been received too recently to allow time for analysis, or are so preliminary that their present use in the population time series would have been premature. The listing of censuses is omitted if there has been only one in the country, since it is already shown in item 1 of the benchmark data.

Whenever adjusted census figures are available as a result of an evaluation of the census data, these are also presented. In the case of some censuses for which no evaluation has been made, an "inflated" figure is shown. This represents an adjustment of a total census figure assuming the same percent net coverage error found as a result of evaluating the results of another census taken in the same country at a different date. In some other instances, a de jure census figure may be adjusted to represent a de facto count if other censuses in the country were enumerated on a de facto basis. These procedures are followed in order to have a consistent set of census figures (adjusted data for all years or de facto data for all years) upon which to base the population time series.

### Major sources

Generally only those sources actually used in preparing the estimates for each country are listed here, though many other sources are also reviewed. Some readily available, standard sources (**PVSR**, **UNDY**; see list of Abbreviations) are referenced in the notes but not listed in the Major Sources. For many official government publications, the agency name is shown as the author; it is preceded by the name of the country only in ambiguous cases, that is, where an agency of one country publishes data relating to another country.

### Regional totals

Data for individual countries have been aggregated into totals, or weighted averages, for the world and for regions, subregions, and more developed and less developed categories according to the United Nations classification. This was done for those items where data refer to the same year for all countries, namely population totals and growth rates for 1950 to 1979 and birth and death rates for 1978.

Data aggregations for areas that include Mainland China are shown both including and excluding the estimates for China. Thus, aggregations with these two alternatives are shown for the East Asia subregion, the Asia region, the less developed region as a whole, and the world aggregate. A fair amount of official information on the population of China has become available in recent years, so that the demographic situation there is not as uncertain as it once was. The data shown for Mainland China in this report represent new series derived by the Foreign Demographic Analysis Division (FDAD) considering the various facts and figures that are being released. Much of the official data are internally inconsistent or of uncertain statistical origin, and considerable study remains to be undertaken before definitive conclusions can be drawn. Nevertheless, calculations show that substitution of the official data for the FDAD estimates used in this report would reduce the estimated size of the 1979 world population by only 1 percent, and would reduce the estimated 1978 global crude birth and death rates by only 0.5 per 1,000 population and the 1978 world population growth rate by about 0.1 of a percentage point.

### Further information

In general, information used in preparing this publication is derived from materials available as of January 1980. A considerable amount of additional information is available for each country that may be reflected only indirectly or not at all in the present report. Published documents for most of the countries are available at the Bureau of the Census library, and many unpublished documents and computer printouts (and sometimes data tapes) are included in the data files of the International Demographic Data Center. In addition, the Center staff maintains a regular

correspondence with many of the national statistical offices worldwide, as well as with many other persons doing international demographic research, both in this country and abroad. Access to these data, as well as to the detailed notes describing derivation of any of the estimates published in this volume, is available by addressing specific questions to the Chief, International Demographic Data Center, Bureau of the Census, Washington, D.C. 20233. Comments on the estimates are invited.

### **Related reports**

In addition to the *World Population* series, the International Demographic Data Center publishes a series of *Country Demographic Profiles* which bring together in a single report a variety of demographic data for selected individual coun-

tries. Each country profile presents an evaluated age-sex distribution for the latest census year and projected to a current year, as well as various estimates of fertility, mortality, and migration. Selected tables of social and economic data are also given. To date, profiles have been published or are in preparation for 25 developing countries.

Other reports on various international demographic topics are published in the International Research Documents series or as special reports. Two recent Bureau of the Census reports of interest are *A Compilation of Age-Specific Fertility Rates for Developing Countries*, International Research Document no. 7, Washington, D.C., 1979, and *Illustrative Projections of World Populations to the 21st Century*, Special Studies, series P-23, no. 79, Washington, D.C., 1979. A complete list of the Center's publications is available on request.

## Abbreviations

Acronyms and abbreviated forms as used for some source references in this report are shown below. Abbreviations used on the data sheets of a single country are explained in the major sources for that country and are not repeated here. Also see the separate glossary for definitions of technical terms.

**CELADE:** United Nations. Centro Latinoamericano de Demografía. Santiago and San José.

**CICRED:** Committee for International Coordination of National Research in Demography. Paris.

**CMEA:** Council of Mutual Economic Aid. Moscow.

**ECA:** United Nations. Economic Commission for Africa. Addis Ababa.

**ECWA:** United Nations. Economic Commission for Western Asia. Beirut.

**ESCAP:** United Nations. Economic and Social Commission for Asia and the Pacific. Bangkok.

**FDAD:** U.S. Bureau of the Census. Foreign Demographic Analysis Division. Washington.

**INSEE:** Institut National de la Statistique et des Etudes Economiques. Paris.

**IUSSP:** International Union for the Scientific Study of Population. Liège.

**NA:** Data not available.

**OECD:** Organization for Economic Cooperation and Development. Paris.

**PVSR:** United Nations. Statistical Office. *Population and Vital Statistics Report*. Statistical Papers. Series A. Various issues. New York.

**U.N.:** United Nations.

**UNDY:** United Nations. Statistical Office. *Demographic Yearbook*. Various issues. New York.

## Glossary

Definitions in this glossary refer to terms as they are used in the present publication. Terms that are in **bold type** within a definition are also defined elsewhere in the glossary. For more technical definitions of these and other terms, see United Nations, *Multilingual Demographic Dictionary, English Section*, New York, 1958. A new version of the demographic dictionary is currently being prepared by the International Union for the Scientific Study of Population.

A number of the estimation techniques defined below (e.g., child survivorship, logit, stable and quasi-stable population) generate multiple estimates. In such cases specific information concerning the basis of the estimate(s) reported in this publication may be obtained by writing the Chief, International Demographic Data Center, Bureau of the Census, Washington, D.C. 20233.

**Age-sex-specific mortality rate.** The number of deaths during 1 year to a given sex in a given age group per 1,000 persons in the same sex and age group (based on midyear population).

**Age-specific fertility rate.** The number of births during 1 year to women in a given 5-year age group per 1,000 women in the same age group (based on midyear population).

**Age-specific marital fertility rate.** The number of births during 1 year to married women in a given age group per 1,000 married women in the same age group (based on midyear population).

**Arretx fertility technique.** A method of estimating age-specific fertility rates for an intercensal period based on the observed change in the number of children ever born to each 5-year age cohort of women during the period. See Carmen Arretx, *Fertility Estimates Derived from Information on Children Ever Born Using Data from Successive Censuses*, Laboratories for Population Statistics, reprint series, no. 16, Chapel Hill, 1975.

## Glossary (Continued)

- Arriaga fertility technique.** A method of estimating **age-specific fertility rates** based on the observed change in the number of **children ever born** by age of mother, pertaining to two or more dates. See Eduardo E. Arriaga and Patricia Anderson, "An Approach for Estimating Fertility from Census and/or Survey Information on Children Ever Born by Age of Mother," revised version of an unpublished paper presented at the annual meeting of the Population Association of America, Montreal, 1976.
- Benchmark data.** A term used to describe those reported and estimated figures which are based on reliable population censuses, vital registration systems, and/or sample surveys.
- Birth rate.** The number of births during 1 year per 1,000 persons (based on midyear population).
- Brass fertility technique.** A method of adjusting **age-specific fertility rates** based on an assumed relationship between the number of children born during a recent specified period (usually 1 year) and the average number of **children ever born** per woman in 5-year age groups. See William Brass, *Methods of Estimating Fertility and Mortality from Limited and Defective Data*, Laboratories for Population Statistics, occasional publication, Chapel Hill, 1975.
- Brass growth balance equation method.** A procedure for estimating the completeness of death registration based on the relationship between the age-sex distributions of registered deaths and of the population. See William Brass, *Methods of Estimating Fertility and Mortality from Limited and Defective Data*, Laboratories for Population Statistics, occasional publication, Chapel Hill, 1975.
- Brass mortality technique.** A method of estimating the level of infant and **child mortality** based on information provided by women in 5-year age groups, and on an assumed relationship between certain **life table** values and proportion of **children ever born** who are still surviving. See William Brass, *Methods of Estimating Fertility and Mortality from Limited and Defective Data*, Laboratories for Population Statistics, occasional publication, Chapel Hill, 1975.
- Chandrasekaran-Deming technique.** A statistical procedure used to estimate the number of **vital events** missed by the two independent data gathering operations of a **dual record system**. See U.S. Bureau of the Census, *The Methods and Materials of Demography*, by Henry S. Shryock, Jacob S. Siegel, and Associates, Washington, D.C., 1971, pp. 834-836.
- Child(hood) mortality.** Mortality during the early childhood years, sometimes up to age 10 or 15.
- Child survivorship techniques.** Various techniques used to estimate the level of infant and child mortality based on data on **children ever born** and **children surviving**. See **Brass, Feeney, Sullivan, and Trussell mortality techniques**.
- Children ever born.** The number of live births a woman has had, regardless of whether the children are now living or dead, or living with or away from the mother. At times data may be collected or reported only for women of a specific group, e.g., ever-married women.
- Children surviving.** The number of children a woman has who are still alive at the time of the inquiry, regardless of whether the children are now living with or away from the mother. At times data may be collected or reported only for women of a specific group, e.g., ever-married women.
- Coale-Demeny regional model life tables.** See **model life table**.
- Coale-Trussell model fertility schedules.** A set of model age-specific fertility schedules that can be used to estimate patterns of fertility. See Ansley J. Coale and T. James Trussell, "Model Fertility Schedules: Variations in the Age Structure of Childbearing in Human Populations," *Population Index*, vol. 40, no. 2, 1974, pp. 185-258.
- Cohort.** A group of individuals who experience the same event in the same time period, such as birth or marriage in the same year.
- Component method.** A method of projecting a population by age and sex, in which separate assumptions are made, by age and sex, concerning the future fertility, mortality, and migration components of the population. Sometimes called the "cohort component method."
- Courbage-Fargues mortality technique.** A method of estimating the completeness of death registration by comparing registered or reported deaths, by age and sex, with expected deaths based on central death rates from selected **model life tables** and reported population, by age and sex. See Youssef Courbage and Philippe Fargues, 1979, "A Method for Deriving Mortality Estimates from Incomplete Vital Statistics," *Population Studies*, vol. 33, no. 1, pp. 165-180.
- Coverage error.** A measure of the extent to which a census or survey fails to enumerate persons who properly fall within

## Glossary (Continued)

its scope, expressed as a percentage of the adjusted population. See **overenumeration** and **underenumeration**.

**Death rate.** The number of deaths during 1 year per 1,000 persons (based on midyear population).

**De facto population.** A concept under which individuals are attributed to the geographic area where they were actually located at the time of the enumeration.

**De jure population.** A concept under which individuals are attributed to a geographic area by virtue of their usual place of residence, whether or not they were actually located in that area at the time of the enumeration.

**Dual record system.** A method of obtaining estimates of vital statistics which employs the simultaneous collection of reports of **vital events** by two independent data gathering operations. See **matched and unmatched events**.

**Empirical life table.** A **life table** derived from the observed frequency of death in an actual population.

**Feeney mortality technique.** A method of estimating the trend in infant mortality based on information provided by women in 5-year age groups, and on assumed relationships between certain **life table** values and the proportion of **children ever born** who are still surviving without specific knowledge of the rate of change in infant mortality during the period. See Griffith Feeney, "Estimating Infant Mortality Trends from Child Survivorship Data," *Population Studies*, forthcoming, 1980.

**Growth rate.** The average annual percent change in the population, resulting from a surplus (or deficit) of births over deaths and the balance of migrants entering and leaving the country. In cases where the average annual growth rate ( $r$ ) is implied by reported or estimated population figures, it is computed by the exponential formula,

$$r = \frac{1}{n} \ln \frac{p^{t+n}}{p^t}$$

where  $\ln$  indicates the natural logarithm,  $p^{t+n}$  = the population at the end of the period,  $p^t$  = the population at the beginning of the period, and  $n$  = time (number of years in the period).

**Incomplete registration.** A term used to indicate that registered data represent less than 90 percent coverage of all **vital events**.

**Infant mortality rate.** A measure of the frequency of death between birth and age 1 during a specified period of time.

Usually calculated as the number of deaths to infants under 1 year of age per 1,000 live births occurring in the same calendar year.

**Life expectancy at birth.** The average number of years to be lived by a birth **cohort**, if mortality at each age remains constant in the future.

**Life table.** A statistical table representing the life history of a hypothetical **cohort** exposed to a constant pattern of mortality by age.

**Life table central death rates.** The annual number of deaths occurring between age  $x$  and  $x+n$  per 1,000 persons living between age  $x$  and  $x+n$  in a **life table** population.

**Logit mortality technique.** A method of adjusting a specific function in an **empirical life table** based on an assumed relationship with the same function in a standard (**model**) **life table**. See William Brass, *Methods of Estimating Fertility and Mortality from Limited and Defective Data*, Laboratories for Population Statistics, occasional publication, Chapel Hill, 1975.

**Longitudinal survey.** A survey which follows the same group of individuals (or households) over time by means of repeated visits.

**Matched and unmatched events.** The total number of **vital events** recorded in a **dual record system** derived as the sum of events recorded by both systems (matched events) plus events recorded only by the first system and those recorded only by the second system (unmatched events).

**Model life table.** A **life table** not derived from the observed mortality of an actual population. Well known sets of model life tables include United Nations model life tables and Coale-Demeny regional model life tables.

**Mortara fertility technique.** A method of estimating age-specific fertility rates based on the difference between the average number of children ever born per woman at each consecutive age. See Giorgio Mortara, *Methods of Using Census Statistics*, Population Studies, no. 7, United Nations, Department of Social Affairs, New York, 1949.

**Net emigration rate.** See **net migration rate**.

**Net immigration rate.** See **net migration rate**.

**Net migration rate.** The balance between the number of persons entering and leaving a country during 1 year per 1,000 persons (based on midyear population). An excess of persons entering the country is referred to as net im-

## Glossary (Continued)

- migration; an excess of persons leaving the country as net emigration.
- Orphanhood technique.** A method of estimating the level of adult mortality based on the proportion of persons at each age whose mothers or fathers are no longer living at the time of the census or survey. See William Brass, *Methods for Estimating Fertility and Mortality from Limited and Defective Data*, Laboratories for Population Statistics, occasional publication, Chapel Hill, 1975.
- Overenumeration.** An enumeration of the population which erroneously counts more persons than actually belong to it.
- Own-children method.** A reverse survival technique for estimating age-specific fertility rates based on a procedure for matching or allocating children under certain ages to their respective mothers. See Lee-Jay Cho and Griffith Feeney, *Fertility by the Own-Children Method: A Methodological Elaboration*, Laboratories for Population Statistics, reprint series no. 20, Chapel Hill, 1978.
- Possible combinations of vital rates.** A range of growth rates which allows for all combinations among given birth, death, and net migration rates.
- Post enumeration survey.** A survey used for checking the coverage and accuracy of a population census by independently re-enumerating a sample of the population after the census.
- Projected estimates.** A term used to describe projections of total population and vital rates for years since the date of availability of the latest reliable population census figures, complete vital registration data, or sample survey data. In instances where benchmark data on vital rates for 1978 are shown in this report, the benchmark data are repeated under the heading of "Projected Estimates."
- Quasi-stable population analysis.** A method of demographic analysis based on a model population which has not been subjected to migration, where fertility has remained constant over a long period of time, and where mortality has been declining.
- Rate of natural increase.** The average annual percent change in the population during a specified period of time resulting from a surplus (or deficit) of births over deaths. The natural increase of the population does not include an allowance for net migration. (See growth rate.)
- Registration.** A method of continuously recording information on vital events as they occur, through either a civil or a special recording system.
- Retrospective question.** A question asked in a census or survey which attempts to obtain information about past actions or events rather than about the present status of the respondent or his/her family.
- Reverse survival technique.** A backward projection (sometimes called "rejuvenation") of the population by age and sex in order to estimate the size and distribution of the population  $n$  years ago, using age-sex-specific survival ratios for the projection period. Reverse survival may also be used to estimate the number of births in the past.
- Selected combinations of vital rates.** A range of growth rates which allows for only selected combinations among given sets of birth, death, and net migration rates. This range is generally narrower than the range allowing for all possible combinations of vital rates.
- Sex ratio at birth.** The number of male births for each female birth during a specified period of time.
- Stable population analysis.** A method of demographic analysis based on a model population which has not been subject to migration, and where fertility and mortality have remained constant over a long period of time.
- Sullivan mortality technique.** A modification of the Brass mortality technique to incorporate results from a regression analysis of empirically based fertility and mortality schedules into the procedure of converting to precise life table measures the proportion of children ever born who are still surviving per woman in given 5-year age groups. See Jeremiah M. Sullivan, "Models for the Estimation of the Probability of Dying between Birth and Exact Ages of Early Childhood," *Population Studies*, vol. 26, no. 1, 1972, pp. 79-97.
- Survival ratios.** The proportion of persons in a given age group who will be alive  $n$  years later.
- Total fertility rate.** The average number of children that would be born per woman if all women lived to the end of their childbearing years and bore children according to a given set of age-specific fertility rates.
- Trussell mortality technique.** A refinement of the Brass and Sullivan mortality techniques to include additional independent variables in the regression analysis and to substitute Coale-Trussell model fertility schedules in place of empirical fertility schedules. See T. James Trussell,

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**Glossary** (Continued)

"A Re-estimation of the Multiplying Factors for the Brass Technique for Determining Childhood Survivorship Rates," *Population Studies*, vol. 29, no. 1, 1975, pp. 97-107.

**Underenumeration.** An enumeration of the population which erroneously counts fewer persons than actually belong to it.

**Underregistration.** The failure to record all vital events

which occur during a specified time period in a given population.

**Vital event.** A general term referring to birth and death.

**Widowhood technique.** A method of estimating the level of adult mortality based on the proportion widowed at each age at the time of the census or survey. See Kenneth Hill, "Estimating Adult Mortality Levels from Information on Widowhood," *Population Studies*, vol. 31, no. 1, 1977, pp. 75-84.

# Composition of Subregions

The countries listed in italics are less developed countries; the remainder are more developed countries. Assignment of countries into more developed and less developed categories is done according to the United Nations classification.

## AFRICA

### EASTERN AFRICA

*Burundi*  
*Comoros*  
*Djibouti*  
*Ethiopia*  
*Kenya*  
*Madagascar*  
*Malawi*  
*Mauritius*  
*Mozambique*  
*Reunion*  
*Rwanda*  
*Seychelles*  
*Somalia*  
*Tanzania*  
*Uganda*  
*Zambia*  
*Zimbabwe*

### MIDDLE AFRICA

*Angola*  
*Cameroon*  
*Central African Republic*  
*Chad*  
*Congo*  
*Equatorial Guinea*  
*Gabon*  
*Sao Tome and Principe*  
*Zaire*

### NORTHERN AFRICA

*Algeria*  
*Egypt*  
*Libya*  
*Morocco*  
*Sudan*  
*Tunisia*  
*Western Sahara*

### SOUTHERN AFRICA

*Botswana*  
*Lesotho*  
*Namibia*  
*South Africa*  
*Swaziland*

### WESTERN AFRICA

*Benin*  
*Cape Verde*  
*Gambia, The*  
*Ghana*  
*Guinea*  
*Guinea-Bissau*  
*Ivory Coast*  
*Liberia*  
*Mali*  
*Mauritania*  
*Niger*  
*Nigeria*  
*Saint Helena*  
*Senegal*  
*Sierra Leone*  
*Togo*  
*Upper Volta*

## ASIA

### EAST ASIA

*China*  
*Mainland*  
*Taiwan*  
*Hong Kong*  
 Japan  
*Korea, Democratic People's Republic of*  
*Korea, Republic of*  
*Macao*  
*Mongolia*

### EASTERN SOUTH ASIA

*Brunei*  
*Burma*  
*Indonesia*  
*Kampuchea*  
*Laos*  
*Malaysia*  
*Philippines*  
*Singapore*  
*Thailand*  
*Vietnam*

### MIDDLE SOUTH ASIA

*Afghanistan*  
*Bangladesh*  
*Bhutan*  
*India*  
*Iran*  
*Maldives*  
*Nepal*  
*Pakistan*  
*Sri Lanka*

### WESTERN SOUTH ASIA

*Bahrain*  
*Cyprus*  
*Gaza Strip*  
*Iraq*  
*Israel*  
*Jordan*  
*Kuwait*  
*Lebanon*  
*Oman*  
*Qatar*  
*Saudi Arabia*  
*Syria*  
*Turkey*  
*United Arab Emirates*  
*Yemen (Aden)*  
*Yemen (Sana)*

## Composition of Subregions – (Continued)

### LATIN AMERICA

#### CARIBBEAN

*Antigua*  
*Bahamas, The*  
*Barbados*  
*British Virgin Islands*  
*Cayman Islands*  
*Cuba*  
*Dominica*  
*Dominican Republic*  
*Grenada*  
*Guadeloupe*  
*Haiti*  
*Jamaica*  
*Martinique*  
*Montserrat*  
*Netherlands Antilles*  
*Puerto Rico*  
*Saint Christopher-Nevis-Anguilla*  
*Saint Lucia*  
*Saint Vincent and the Grenadines*  
*Trinidad and Tobago*  
*Turks and Caicos Islands*  
*Virgin Islands*

#### MIDDLE AMERICA

*Belize*  
*Costa Rica*  
*El Salvador*  
*Guatemala*  
*Honduras*  
*Mexico*  
*Nicaragua*  
*Panama*

#### TEMPERATE SOUTH AMERICA

*Argentina*  
*Chile*  
*Uruguay*

#### TROPICAL SOUTH AMERICA

*Bolivia*  
*Brazil*  
*Colombia*  
*Ecuador*  
*French Guiana*  
*Guyana*  
*Paraguay*  
*Peru*  
*Suriname*  
*Venezuela*

### NORTHERN AMERICA, EUROPE, SOVIET UNION

#### NORTHERN AMERICA

Bermuda  
 Canada  
 Greenland  
 Saint Pierre and Miquelon  
 United States

#### EASTERN EUROPE

Bulgaria  
 Czechoslovakia  
 German Democratic Republic  
 Hungary  
 Poland  
 Romania

#### NORTHERN EUROPE

Channel Islands  
 Denmark  
 Faroe Islands  
 Finland  
 Iceland  
 Ireland  
 Isle of Man  
 Norway  
 Sweden  
 United Kingdom

#### SOUTHERN EUROPE

Albania  
 Andorra  
 Gibraltar  
 Greece  
 Italy  
 Malta  
 Portugal  
 San Marino  
 Spain  
 Yugoslavia

#### WESTERN EUROPE

Austria  
 Belgium  
 France  
 Germany, Federal Republic of  
 Liechtenstein  
 Luxembourg  
 Monaco  
 Netherlands  
 Switzerland

#### SOVIET UNION

### OCEANIA

#### AUSTRALIA-NEW ZEALAND

Australia  
 New Zealand

#### MELANESIA

*New Caledonia*  
*New Hebrides*  
*Papua New Guinea*  
*Solomon Islands*

#### MICRONESIA

*Guam*  
*Kiribati*  
*Nauru*  
*Pacific Islands*  
*Tuvalu*

#### POLYNESIA

*American Samoa*  
*Cook Islands*  
*Fiji*  
*French Polynesia*  
*Samoa*  
*Tonga*  
*Wallis and Futuna*



# **Data for the World and for Continents, by Type of Region**

Table 1. **World Population, 1979, and Vital Rates, 1978, by Continent and Development Category**

| Region                                     | Estimated<br>population<br>July 1, 1979<br>(thousands) | 1978                              |                                   |                                |
|--|--|-----------------------------------|-----------------------------------|--------------------------------|
|  |  | Births<br>per 1,000<br>population | Deaths<br>per 1,000<br>population | Rate of<br>growth<br>(percent) |
| World <sup>1</sup> .....                   | 4,406,347  | 27-29                             | 11-12                             | 1.7-1.8                        |
| More developed.....                        | 1,123,382  | 15                                | 10                                | 0.7                            |
| Less developed <sup>1</sup> .....          | 3,282,965  | 32-34                             | 12-13                             | 2.0-2.2                        |
| Africa <sup>2</sup> .....                  | 458,231  | 45-47                             | 17-18                             | 2.7-3.0                        |
| Asia <sup>1</sup> .....                    | 2,582,861  | 28-31                             | 11-12                             | 1.8-2.0                        |
| More developed.....                        | 115,880  | 15                                | 6                                 | 0.9                            |
| Less developed <sup>1</sup> .....          | 2,466,981  | 29-32                             | 11-12                             | 1.8-2.0                        |
| Latin America <sup>2</sup> .....           | 352,821  | 32-33                             | 9                                 | 2.3-2.4                        |
| Northern America <sup>3</sup> .....        | 244,391  | 15                                | 9                                 | 0.8                            |
| Europe and Soviet Union <sup>3</sup> ..... | 745,587  | 15                                | 10                                | 0.6                            |
| Oceania.....                               | 22,457   | 21                                | 9                                 | 1.3                            |
| More developed.....                        | 17,524   | 16                                | 8                                 | 1.0                            |
| Less developed.....                        | 4,932  | 40                                | 12-13                             | 2.4                            |
| <b>Excluding Mainland China:</b>           |  |                                   |                                   |                                |
| World <sup>1</sup> .....                   | 3,394,150  | 29-30                             | 12-13                             | 1.7-1.8                        |
| Less developed <sup>1</sup> .....          | 2,270,768  | 36-38                             | 14                                | 2.3-2.4                        |
| Asia <sup>1</sup> .....                    | 1,570,664  | 33-35                             | 13-14                             | 2.0-2.1                        |
| Less developed <sup>1</sup> .....          | 1,454,784  | 35-37                             | 14                                | 2.1-2.3                        |

<sup>1</sup>The base population used in calculating the 1978 vital rates excludes the populations of Kampuchea and Vietnam, for which no estimates of 1978 vital rates were available.

<sup>2</sup>Less developed.

<sup>3</sup>More developed.

Note: For a list of countries by development category, see pp. 18 and 19.

Table 2. **World Population and Average Annual Rates of Growth, by Continent and Development Category: 1950 to 1979**

| Region                                     | Midyear population (thousands) |           |           |           |           |           |           |
|--|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|  | 1979                           | 1975      | 1970      | 1965      | 1960      | 1955      | 1950      |
| World.....                                 | 4,406,347                      | 4,108,736 | 3,727,288 | 3,357,687 | 3,059,498 | 2,772,766 | 2,527,168 |
| More developed.....                        | 1,123,382                      | 1,093,157 | 1,048,665 | 1,002,307 | 945,098   | 887,178   | 832,416   |
| Less developed.....                        | 3,282,965                      | 3,015,579 | 2,678,622 | 2,355,380 | 2,114,399 | 1,885,588 | 1,694,752 |
| Africa <sup>1</sup> .....                  | 458,231                        | 408,508   | 356,130   | 312,074   | 275,224   | 244,984   | 219,709   |
| Asia.....                                  | 2,582,861                      | 2,393,255 | 2,139,993 | 1,890,958 | 1,714,583 | 1,540,275 | 1,392,089 |
| More developed.....                        | 115,880                        | 111,573   | 104,345   | 98,883    | 94,092    | 89,815    | 83,805    |
| Less developed.....                        | 2,466,981                      | 2,281,682 | 2,035,648 | 1,792,075 | 1,620,491 | 1,450,460 | 1,308,284 |
| Latin America <sup>1</sup> .....           | 352,821                        | 320,906   | 282,895   | 247,760   | 215,651   | 187,480   | 164,416   |
| Northern America <sup>2</sup> .....        | 244,391                        | 236,401   | 226,309   | 214,075   | 198,662   | 181,740   | 166,075   |
| Europe and Soviet Union <sup>2</sup> ..... | 745,587                        | 728,340   | 702,541   | 675,281   | 639,612   | 604,210   | 572,360   |
| Oceania.....                               | 22,457                         | 21,325    | 19,420    | 17,538    | 15,767    | 14,078    | 12,518    |
| More developed.....                        | 17,524                         | 16,842    | 15,471    | 14,068    | 12,733    | 11,413    | 10,176    |
| Less developed.....                        | 4,932                          | 4,483     | 3,949     | 3,470     | 3,034     | 2,665     | 2,343     |
| Excluding Mainland China:                  |                                |           |           |           |           |           |           |
| World.....                                 | 3,394,150                      | 3,159,025 | 2,878,940 | 2,621,633 | 2,377,939 | 2,161,181 | 1,979,804 |
| Less developed.....                        | 2,270,768                      | 2,065,868 | 1,830,274 | 1,619,326 | 1,432,840 | 1,274,003 | 1,147,388 |
| Asia.....                                  | 1,570,664                      | 1,443,544 | 1,291,645 | 1,154,904 | 1,033,024 | 928,690   | 844,725   |
| Less developed.....                        | 1,454,784                      | 1,331,971 | 1,187,300 | 1,056,021 | 938,932   | 838,875   | 760,920   |

| Region                                     | Average annual rate of growth (percent) |         |         |         |         |         |
|--|---|---------|---------|---------|---------|---------|
|  | 1975-79                                 | 1970-75 | 1965-70 | 1960-65 | 1955-60 | 1950-55 |
| World.....                                 | 1.7                                     | 1.9     | 2.1     | 1.9     | 2.0     | 1.9     |
| More developed.....                        | 0.7                                     | 0.8     | 0.9     | 1.2     | 1.3     | 1.3     |
| Less developed.....                        | 2.1                                     | 2.4     | 2.6     | 2.2     | 2.3     | 2.1     |
| Africa <sup>1</sup> .....                  | 2.9                                     | 2.7     | 2.6     | 2.5     | 2.3     | 2.2     |
| Asia.....                                  | 1.9                                     | 2.2     | 2.5     | 2.0     | 2.1     | 2.0     |
| More developed.....                        | 0.9                                     | 1.3     | 1.1     | 1.0     | 0.9     | 1.4     |
| Less developed.....                        | 2.0                                     | 2.3     | 2.5     | 2.0     | 2.2     | 2.1     |
| Latin America <sup>1</sup> .....           | 2.4                                     | 2.5     | 2.7     | 2.8     | 2.8     | 2.6     |
| Northern America <sup>2</sup> .....        | 0.8                                     | 0.9     | 1.1     | 1.5     | 1.8     | 1.8     |
| Europe and Soviet Union <sup>2</sup> ..... | 0.6                                     | 0.7     | 0.8     | 1.1     | 1.1     | 1.1     |
| Oceania.....                               | 1.3                                     | 1.9     | 2.0     | 2.1     | 2.3     | 2.3     |
| More developed.....                        | 1.0                                     | 1.7     | 1.9     | 2.0     | 2.2     | 2.3     |
| Less developed.....                        | 2.4                                     | 2.5     | 2.6     | 2.7     | 2.6     | 2.6     |
| Excluding Mainland China:                  |   |         |         |         |         |         |
| World.....                                 | 1.8                                     | 1.9     | 1.9     | 2.0     | 1.9     | 1.8     |
| Less developed.....                        | 2.4                                     | 2.4     | 2.4     | 2.4     | 2.3     | 2.1     |
| Asia.....                                  | 2.1                                     | 2.2     | 2.2     | 2.2     | 2.1     | 1.9     |
| Less developed.....                        | 2.2                                     | 2.3     | 2.3     | 2.4     | 2.3     | 2.0     |

<sup>1</sup>Less developed.

<sup>2</sup>More developed.

Note: For a list of countries by development category, see pp. 18 and 19.

Table 3. **Countries Ranked by Population Size: 1979**  
(Population in thousands)

|  |           |                        |        |
|--|-----------|------------------------|--------|
| 1. China, <i>Mainland</i>                    | 1,012,197 | 42. Kenya              | 15,778 |
| 2. India                                     | 667,326   | 43. Czechoslovakia     | 15,239 |
| 3. Soviet Union                              | 263,400   | 44. Afghanistan        | 14,699 |
| 4. United States                             | 220,584   | 45. Nepal              | 14,608 |
| 5. Indonesia                                 | 148,085   | 46. Sri Lanka          | 14,594 |
| 6. Brazil                                    | 119,175   | 47. Venezuela          | 14,539 |
| 7. Japan                                     | 115,880   | 48. Australia          | 14,417 |
| 8. Bangladesh                                | 88,092    | 49. Netherlands        | 14,029 |
| 9. Pakistan                                  | 84,075    | 50. Malaysia           | 13,674 |
| 10. Nigeria                                  | 74,595    | 51. Uganda             | 13,225 |
| 11. Mexico                                   | 65,770    | 52. Iraq               | 12,908 |
| 12. Federal Republic of<br>Germany           | 61,302    | 53. Ghana              | 11,742 |
| 13. Italy                                    | 56,877    | 54. Chile              | 10,848 |
| 14. United Kingdom                           | 55,901    | 55. Hungary            | 10,710 |
| 15. France                                   | 53,478    | 56. Mozambique         | 10,030 |
| 16. Vietnam                                  | 52,127    | 57. Belgium            | 9,849  |
| 17. Philippines                              | 47,678    | 58. Portugal           | 9,843  |
| 18. Thailand                                 | 46,687    | 59. Cuba               | 9,824  |
| 19. Turkey                                   | 44,561    | 60. Greece             | 9,444  |
| 20. Egypt                                    | 40,993    | 61. Saudi Arabia       | 9,292  |
| 21. Republic of Korea                        | 39,140    | 62. Bulgaria           | 8,827  |
| 22. Iran                                     | 37,430    | 63. Syria              | 8,506  |
| 23. Spain                                    | 37,077    | 64. Madagascar         | 8,349  |
| 24. Poland                                   | 35,227    | 65. Cameroon           | 8,323  |
| 25. Burma                                    | 33,590    | 66. Sweden             | 8,296  |
| 26. Ethiopia                                 | 31,780    | 67. Ecuador            | 7,763  |
| 27. Zaire                                    | 28,090    | 68. Ivory Coast        | 7,761  |
| 28. South Africa                             | 27,799    | 69. Austria            | 7,506  |
| 29. Argentina                                | 27,210    | 70. Zimbabwe           | 7,254  |
| 30. Colombia                                 | 26,205    | 71. Guatemala          | 6,849  |
| 31. Canada                                   | 23,688    | 72. Upper Volta        | 6,661  |
| 32. Yugoslavia                               | 22,174    | 73. Angola             | 6,543  |
| 33. Romania                                  | 22,057    | 74. Mali               | 6,464  |
| 34. Morocco                                  | 20,368    | 75. Switzerland        | 6,343  |
| 35. Democratic People's<br>Republic of Korea | 18,717    | 76. Tunisia            | 6,312  |
| 36. Sudan                                    | 18,167    | 77. Malawi             | 5,862  |
| 37. Algeria                                  | 18,145    | 78. Kampuchea          | 5,767  |
| 38. China, <i>Taiwan</i>                     | 17,456    | 79. Haiti              | 5,670  |
| 39. Tanzania                                 | 17,364    | 80. Zambia             | 5,649  |
| 40. Peru                                     | 17,164    | 81. Dominican Republic | 5,551  |
| 41. German Democratic<br>Republic            | 16,758    | 82. Senegal            | 5,532  |
|  |           | 83. Niger              | 5,346  |
|  |           | 84. Guinea             | 5,275  |
|  |           | 85. Bolivia            | 5,213  |

Table 3. **Countries Ranked by Population Size: 1979** —(Continued)  
(Population in thousands)

|                               |       |  |     |
|-------------------------------|-------|--|-----|
| 86. Yemen (Sana)              | 5,126 | 131. Guyana                              | 832 |
| 87. Denmark                   | 5,118 | 132. Botswana                            | 764 |
| 88. Rwanda                    | 4,955 | 133. Guinea-Bissau                       | 638 |
| 89. Hong Kong                 | 4,900 | 134. Gabon                               | 637 |
| 90. Finland                   | 4,764 | 135. Cyprus                              | 620 |
| 91. El Salvador               | 4,662 | 136. Fiji                                | 618 |
| 92. Chad                      | 4,528 | 137. The Gambia                          | 585 |
| 93. Burundi                   | 4,192 | 138. Swaziland                           | 541 |
| 94. Norway                    | 4,074 | 139. Reunion                             | 503 |
| 95. Israel                    | 3,783 | 140. Gaza Strip                          | 420 |
| 96. Honduras                  | 3,645 | 141. Suriname                            | 404 |
| 97. Somalia                   | 3,474 | 142. Djibouti                            | 386 |
| 98. Laos                      | 3,440 | 143. Bahrain                             | 370 |
| 99. Puerto Rico               | 3,395 | 144. Comoros                             | 359 |
| 100. Benin                    | 3,379 | 145. Luxembourg                          | 358 |
| 101. Ireland                  | 3,365 | 146. Malta                               | 347 |
| 102. Sierra Leone             | 3,309 | 147. Cape Verde                          | 328 |
| 103. Jordan                   | 3,189 | 148. Guadeloupe                          | 312 |
| 104. Paraguay                 | 3,117 | 149. Martinique                          | 310 |
| 105. New Zealand              | 3,107 | 150. Macao                               | 282 |
| 106. Papua New Guinea         | 3,067 | 151. Barbados                            | 279 |
| 107. Lebanon                  | 2,943 | 152. Equatorial Guinea                   | 244 |
| 108. Libya                    | 2,920 | 153. Netherlands Antilles                | 240 |
| 109. Uruguay                  | 2,910 | 154. The Bahamas                         | 236 |
| 110. Albania                  | 2,626 | 155. Iceland                             | 226 |
| 111. Togo                     | 2,544 | 156. Solomon Islands                     | 222 |
| 112. Nicaragua                | 2,365 | 157. Brunei                              | 213 |
| 113. Singapore                | 2,363 | 158. Qatar                               | 210 |
| 114. Central African Republic | 2,284 | 159. Samoa                               | 155 |
| 115. Jamaica                  | 2,215 | 160. Belize                              | 152 |
| 116. Costa Rica               | 2,184 | 161. Maldives                            | 150 |
| 117. Panama                   | 1,876 | 162. French Polynesia                    | 144 |
| 118. Yemen (Aden)             | 1,863 | 163. New Caledonia                       | 136 |
| 119. Liberia                  | 1,788 | 164. Pacific Islands                     | 131 |
| 120. Mongolia                 | 1,616 | 165. Channel Islands                     | 130 |
| 121. Congo                    | 1,508 | 166. Saint Lucia                         | 121 |
| 122. Mauritania               | 1,474 | 167. Guam                                | 117 |
| 123. Lesotho                  | 1,305 | 168. New Hebrides                        | 114 |
| 124. Kuwait                   | 1,277 | 169. Saint Vincent and<br>the Grenadines | 111 |
| 125. Bhutan                   | 1,273 | 170. Grenada                             | 105 |
| 126. Trinidad and Tobago      | 1,150 | 171. Virgin Islands                      | 99  |
| 127. Namibia                  | 994   | 172. Tonga                               | 96  |
| 128. Mauritius                | 941   | 173. Western Sahara                      | 94  |
| 129. United Arab Emirates     | 871   | 174. Sao Tome and Principe               | 82  |
| 130. Oman                     | 864   |  |     |

Table 3. **Countries Ranked by Population Size: 1979**—(Continued)  
(Population in thousands)

|   |    |                                |    |
|---|----|--------------------------------|----|
| 175. Dominica                             | 78 | 187. Gibraltar                 | 29 |
|   |    | 188. Monaco                    | 26 |
| 176. Antigua                              | 74 | 189. Liechtenstein             | 26 |
| 177. Isle of Man                          | 64 | 190. San Marino                | 21 |
| 178. Seychelles                           | 64 |                                |    |
| 179. French Guiana                        | 63 | 191. Cook Islands              | 19 |
| 180. Bermuda                              | 63 | 192. Cayman Islands            | 17 |
|   |    | 193. British Virgin Islands    | 12 |
| 181. Saint Christopher-<br>Nevis-Anguilla | 57 | 194. Montserrat                | 11 |
|   |    | 195. Wallis and Futuna         | 10 |
| 182. Kiribati                             | 57 |                                |    |
| 183. Greenland                            | 49 | 196. Nauru                     | 8  |
| 184. Faroe Islands                        | 43 | 197. Tuvalu                    | 7  |
| 185. Andorra                              | 34 | 198. Turks and Caicos Islands  | 7  |
|   |    | 199. Saint Helena              | 6  |
| 186. American Samoa                       | 32 | 200. Saint Pierre and Miquelon | 6  |

# Population Growth in the World and the Major Regions: 1950 to 1979

Recent demographic estimates for the countries of the world, when aggregated to regional and world totals, confirm the trends of declining population growth rates that have been observed in the world as a whole and in many regions during the past few years. Nevertheless, substantial absolute increases in population size are still occurring all over the world, and not all regions have yet experienced a deceleration in their rates of growth.

With an estimated 4.4 billion inhabitants, the world population at midyear 1979 was 44 percent larger than in 1960 and 74 percent larger than in 1950. The world's people are unevenly distributed among the various nations, with half of the population located in only 4 countries (see figure 1), and a fourth in the next 16 largest countries. Differential growth rates among the regions have resulted in a gradually shifting distribution of population over the last three decades (figure 2), so that the share of the world's population in Africa, Asia, and Latin America has been growing and the share in Northern America, Europe, and the Soviet Union has been diminishing.

By far the largest population is found in Asia, with an estimated 2.6 billion in 1979, up from 1.4 billion in 1950 (figure 3). The populations of both Africa and Latin America have more than doubled since 1950. Africa's population increased from 220 million in 1950 to 458 million in 1979, and Latin America's from 164 million to 353 million during the same period.

Wide variation in crude birth and death rates are evident among the regions, as shown in figure 4. The estimated average rates for the world in 1978 were about 28 births and 11 deaths per 1,000 population, resulting in a rate of natural increase of about 1.7 percent. The crude birth rate in Africa (46 per 1,000 population) is still very much above the world average, and nearly 40 percent above the average for less developed countries. The crude birth rate in Latin America (33 per 1,000) is slightly above and that in Asia (30 per 1,000) is close to the world average. The crude death rate shows a similar pattern for Africa and Asia—considerably above and close to the world average, respectively. However, in Latin America the death rate is somewhat lower than the world average, resembling more closely the crude death rates in the more developed than the less developed regions.

Considering some more detailed measures of mortality, namely life expectancy at birth and infant mortality, it has been noted that data are not available for many countries. Nevertheless, it is possible to make cross-country comparisons for countries with available data for some date in the 1970's. Figure 5 shows, as do the data on crude death rates, that mortality is still very high in Africa where life expectancies

are below 45 years in several countries and where infant mortality rates above 100 are more the norm than the exception. Figure 6 shows similar data for Asia, where there is greater diversity among the countries. In general, the data are more recent for Asia than for Africa, which may account in part for the generally better mortality situation. Nevertheless, there are some countries, particularly Afghanistan, where life expectancy is very low and infant mortality is higher than in any African country with data in the 1970's. Finally, in figure 7 one notes that in Latin America mortality is generally lower and the life expectancy figures and infant mortality rates, just as the crude death rates, resemble more closely those of the more developed than the typical less developed country.

Turning to a consideration of recent international migration, several distinct population movements can be identified in each of the major regions of the world. The most dominant feature of migration in Africa during recent years is the large-scale movement of refugees between countries within the region. Additionally, several of the newly independent nations have witnessed an emigration of segments of their foreign-born populations after independence. Migration in Asia is characterized by the large-scale movement of refugees from Laos, Kampuchea, and Vietnam to other countries of first asylum in Eastern South Asia, as well as by permanent relocation of refugees in various countries of Europe and North America. Labor migration remains an important aspect of population movement within Western South Asia. Although there are intraregional population movements within Latin America, emigration to Europe and North America is more typical. The European and North American regions may be characterized as regions of destination, even though there is considerable intraregional migration in both. In the case of Oceania, migration is dominated by immigration to Australia.

The differing levels of fertility, mortality, and migration among the various world regions combine to produce regional growth rates that vary considerably as well. In spite of the high death rate in Africa, the growth rate has been increasing steadily (figure 8), to become, at 2.9 percent in 1978, the highest of any continent. In Latin America, on the other hand, the population growth rate has been declining, particularly during the last decade, but it still remains fairly high, about 2.3 percent in 1978. In Asia, the trend of population growth is heavily influenced by the situation in Mainland China, about which little is known for certain. The population loss in Mainland China during the early 1960's, as portrayed by the official data, causes a reversal of the Asian trend for that period. In general, there has been a downward trend in

Asian population growth rates since about the mid-1960's, with the 1978 rate having reached a moderate level in world terms, about 1.8 percent, or the lowest rate among the developing regions. Among the more developed regions, population growth rates have been below 1.0 percent in Europe and the Soviet Union since the mid-1960's and in Northern America since the early 1970's.

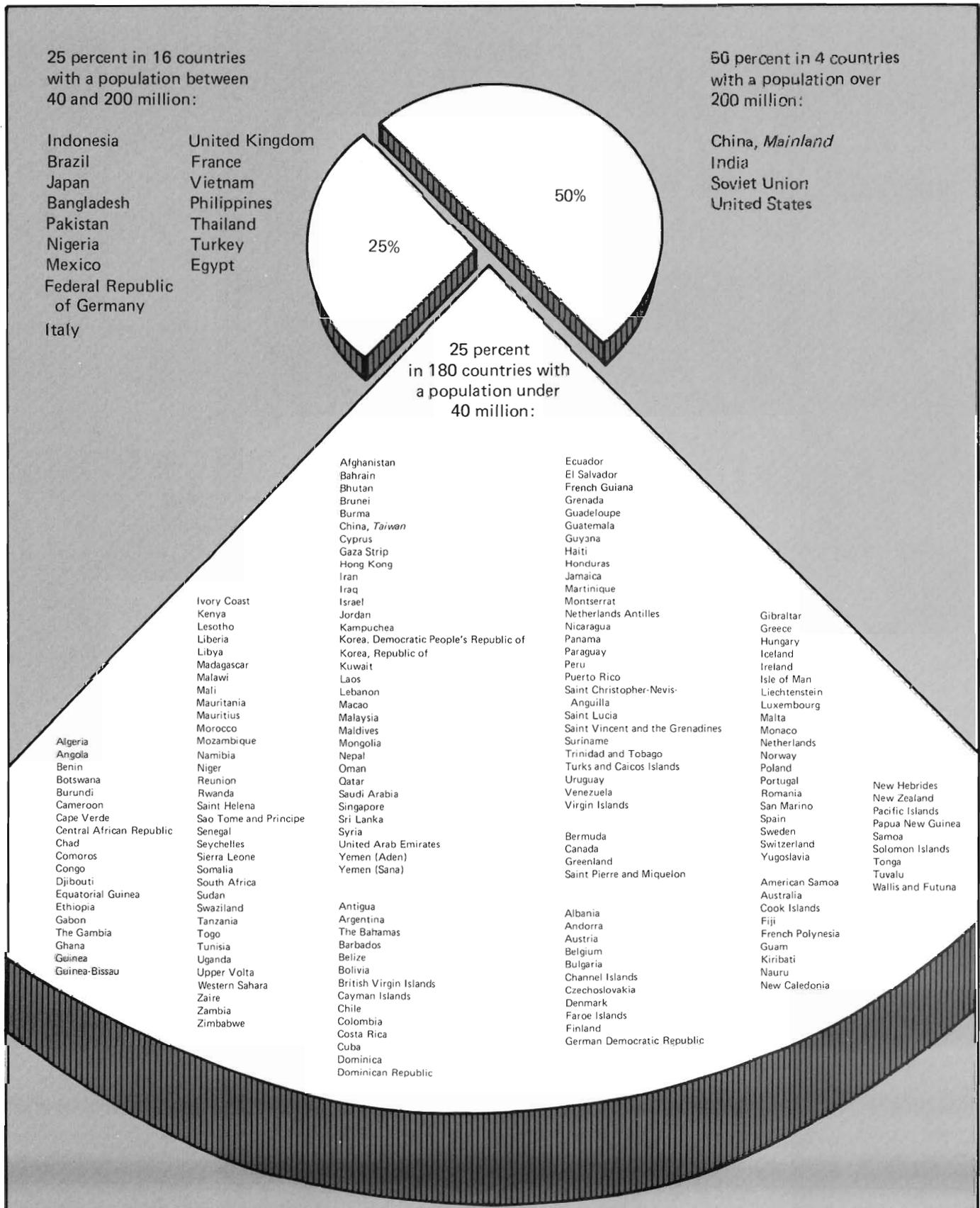
In considering the generally declining population growth rates during recent years, the distinction should be made between these rates and the absolute increases in numbers of people. As shown below with actual estimates from this report, a declining growth rate, if applied to an increasingly large population, does not necessarily lead to smaller numbers of people added to the population each year:

| Region and time period from midyear               | Population (millions) |               | Absolute increase (millions) | Population growth rate (percent) |
|---|-----------------------|---------------|------------------------------|----------------------------------|
|   | Beginning of period   | End of period |                              |                                  |
| <b>World</b>                                      |                       |               |                              |                                  |
| 1968 to 1969 .....                                | 3,576                 | 3,651         | 74.6                         | 2.1                              |
| 1978 to 1979 .....                                | 4,331                 | 4,406         | 74.9                         | 1.7                              |
| <b>Africa</b>                                     |                       |               |                              |                                  |
| 1968 to 1969 .....                                | 338                   | 347           | 9.1                          | 2.7                              |
| 1978 to 1979 .....                                | 445                   | 458           | 13.1                         | 2.9                              |
| <b>Asia</b>                                       |                       |               |                              |                                  |
| 1968 to 1969 .....                                | 2,037                 | 2,088         | 50.3                         | 2.4                              |
| 1978 to 1979 .....                                | 2,536                 | 2,583         | 47.2                         | 1.8                              |
| <b>Latin America</b>                              |                       |               |                              |                                  |
| 1968 to 1969 .....                                | 269                   | 276           | 7.1                          | 2.6                              |
| 1978 to 1979 .....                                | 345                   | 353           | 8.0                          | 2.3                              |
| <b>Northern America, Europe, and Soviet Union</b> |                       |               |                              |                                  |
| 1968 to 1969 .....                                | 913                   | 921           | 7.7                          | 0.8                              |
| 1978 to 1979 .....                                | 984                   | 990           | 6.3                          | 0.6                              |
| <b>Oceania</b>                                    |                       |               |                              |                                  |
| 1968 to 1969 .....                                | 18.6                  | 19.0          | 0.4                          | 2.1                              |
| 1978 to 1979 .....                                | 22.2                  | 22.5          | 0.3                          | 1.3                              |

Thus, although the estimated annual world population growth rate of 1.7 percent for midyear 1978 to 1979 was a fifth lower than the rate (2.1 percent) for a comparable period 10 years earlier, the absolute annual increase of the population was essentially the same, 75 million. In the case of Africa, the combination of an increasing growth rate and a growing base population has led to a sharp rise in the annual absolute growth of the population; the absolute increase

during 1978 to 1979 was 44 percent larger than the increase during 1968 to 1969. Asia was unique among the developing regions in that the absolute annual increment, as well as the population growth rate, was smaller during 1978-79 than 1968-69. In Latin America, although the growth rate declined from 2.6 percent in 1968-69 to 2.3 percent in 1978-79, the absolute increment during the latter period was nearly a million larger.

Figure 1.  
**Distribution of World Population: 1979**



**Figure 2.**  
**Distribution of World Population by**  
**Region: 1950 to 1979**

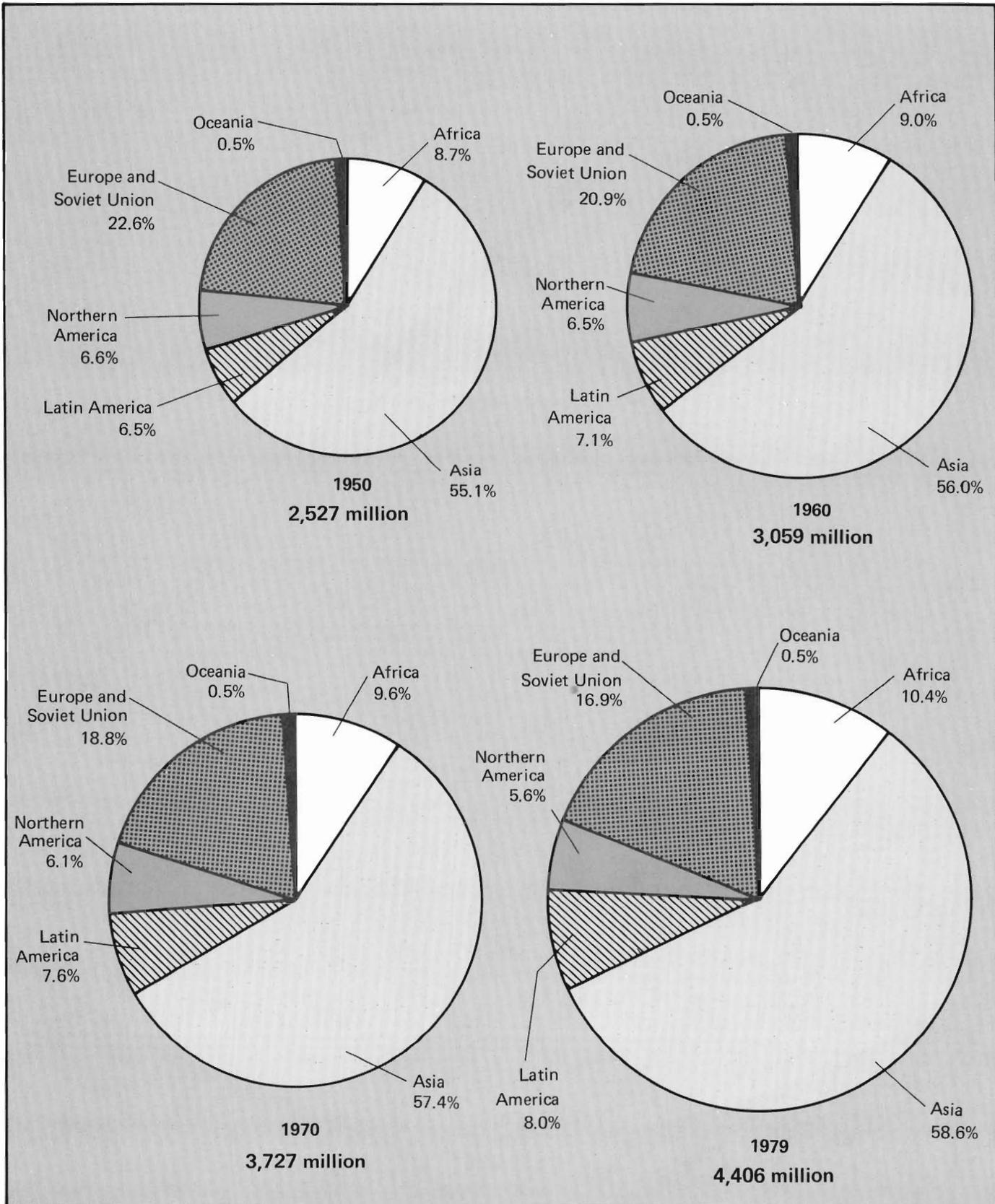
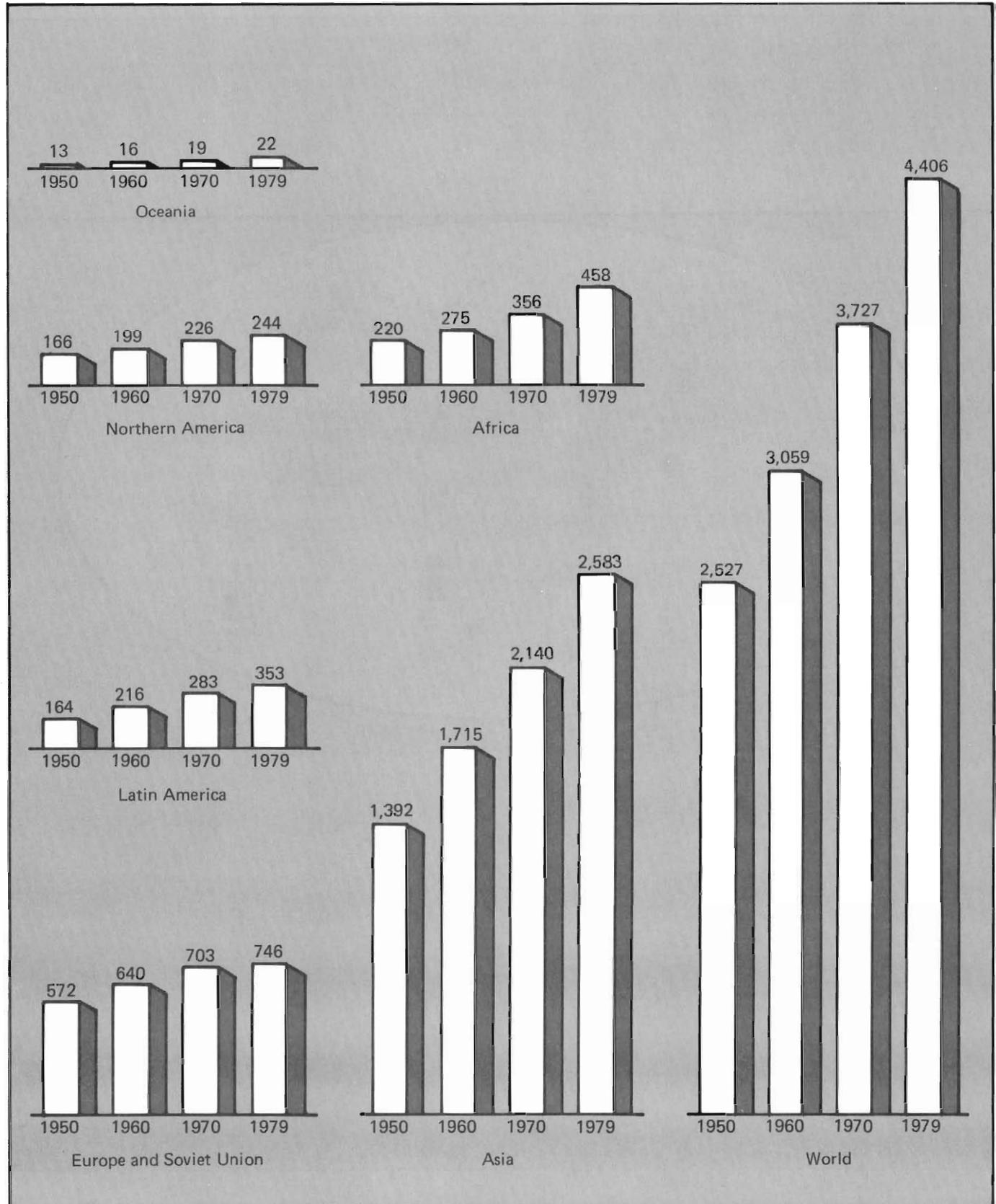


Figure 3.  
**Population of the World and  
 Regions: 1950 to 1979**

(Population in millions)



**Figure 4.**  
**Birth Rates, Death Rates, and Rates of Natural Increase**  
**for the World and Regions: 1978**

(Rate per 1,000 population)

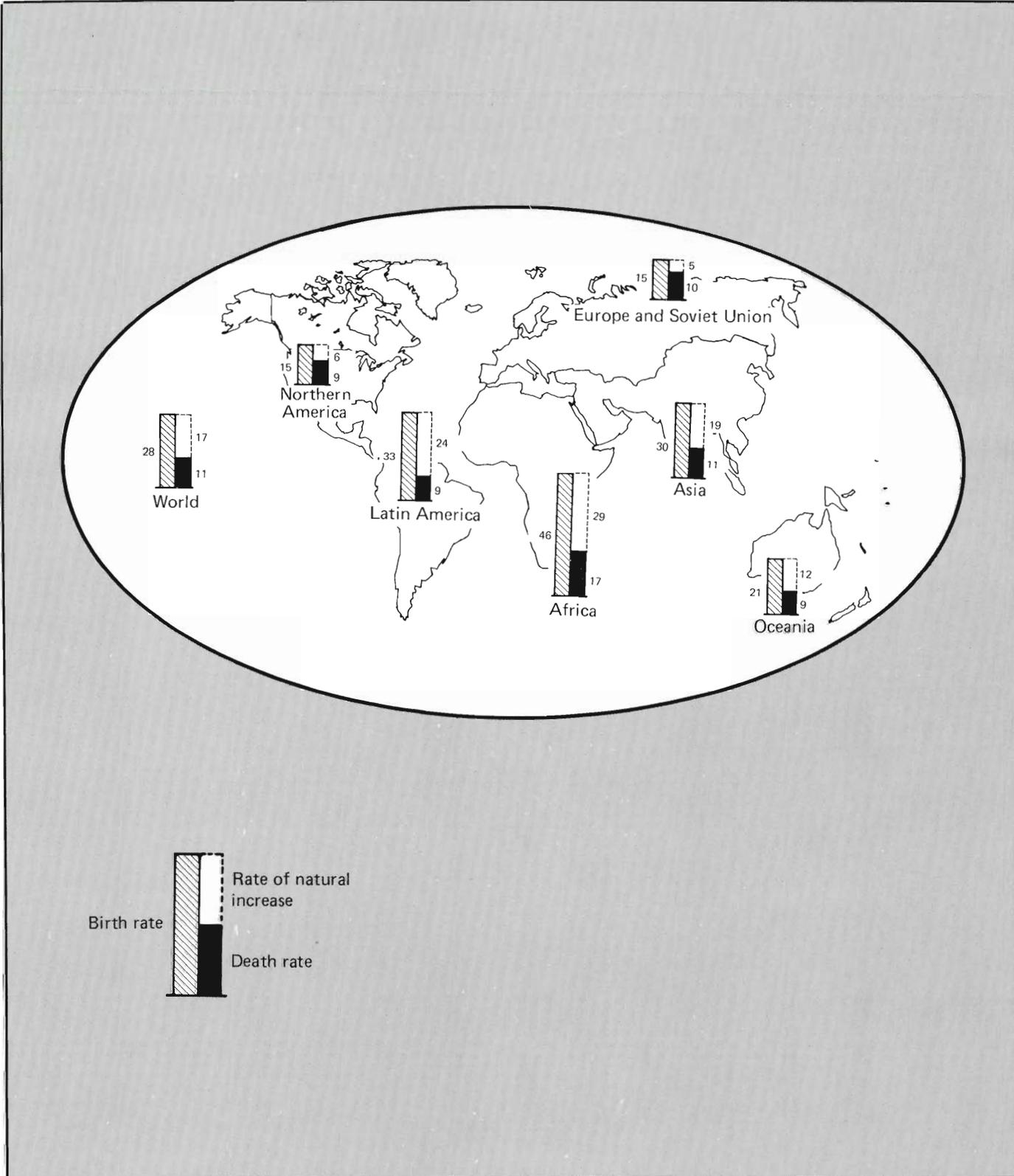
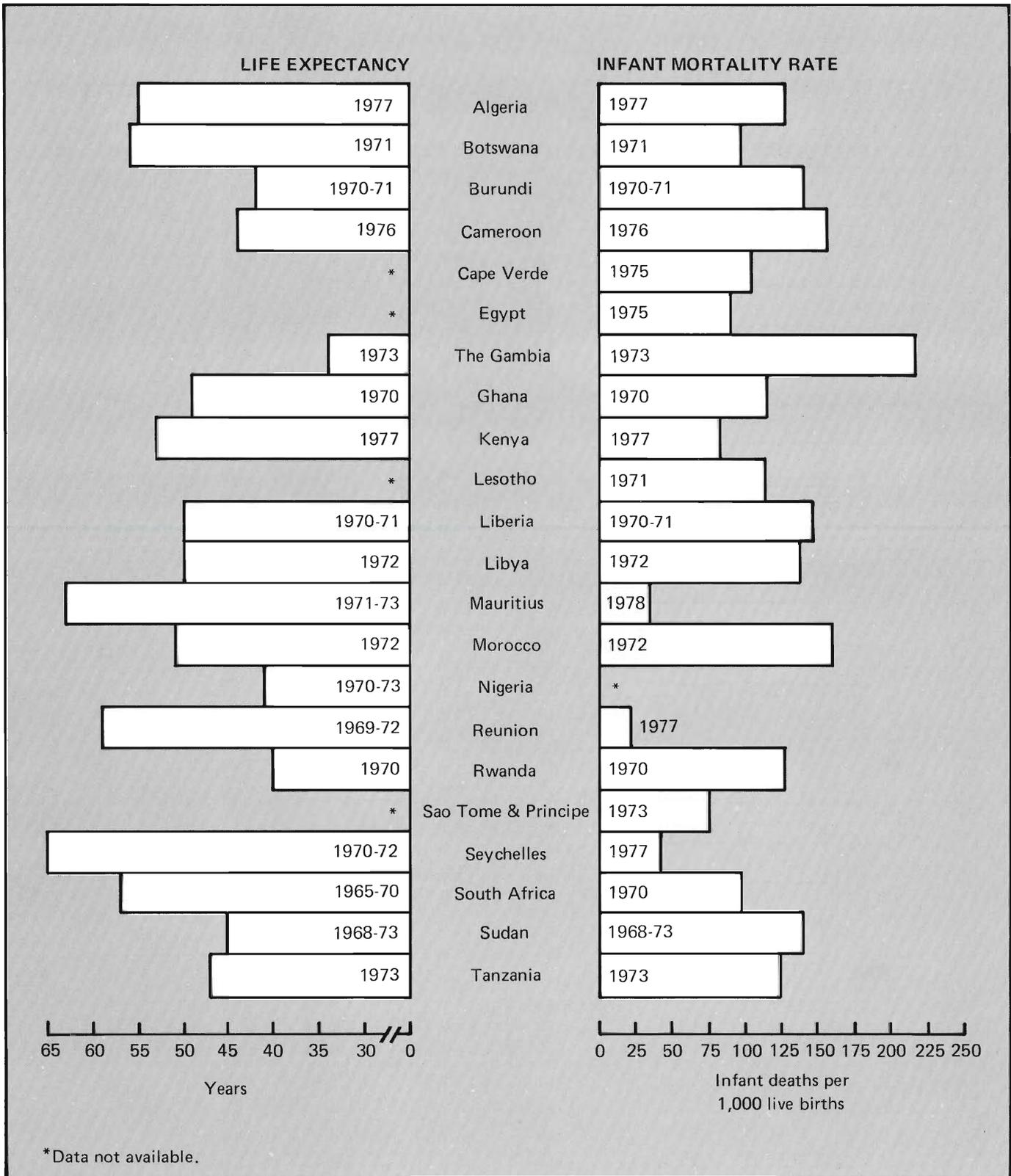


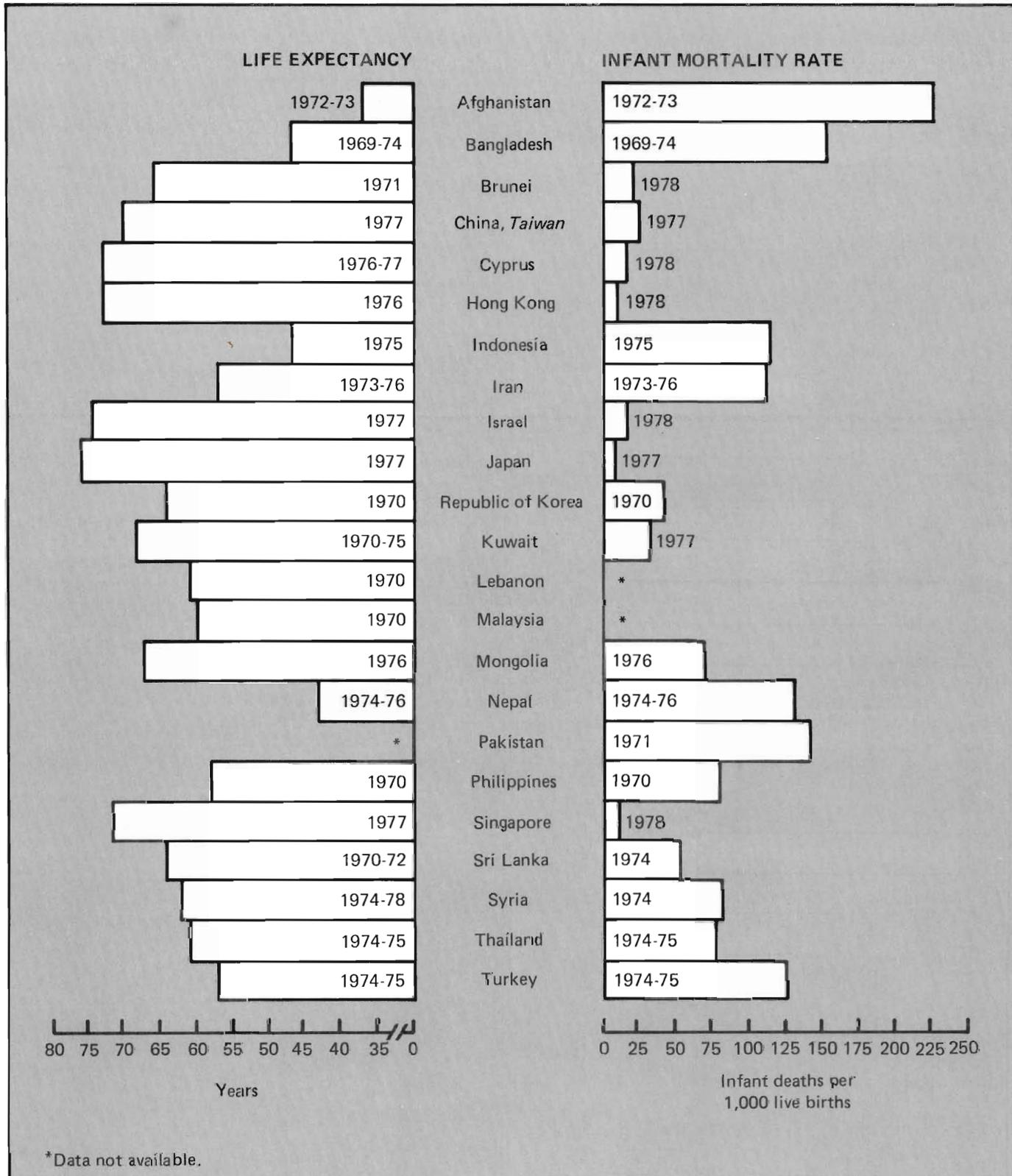
Figure 5.

**Life Expectancy at Birth and Infant Mortality Rates for Africa**



Note: Figure shows most recent year for countries with benchmark data in the 1970's.

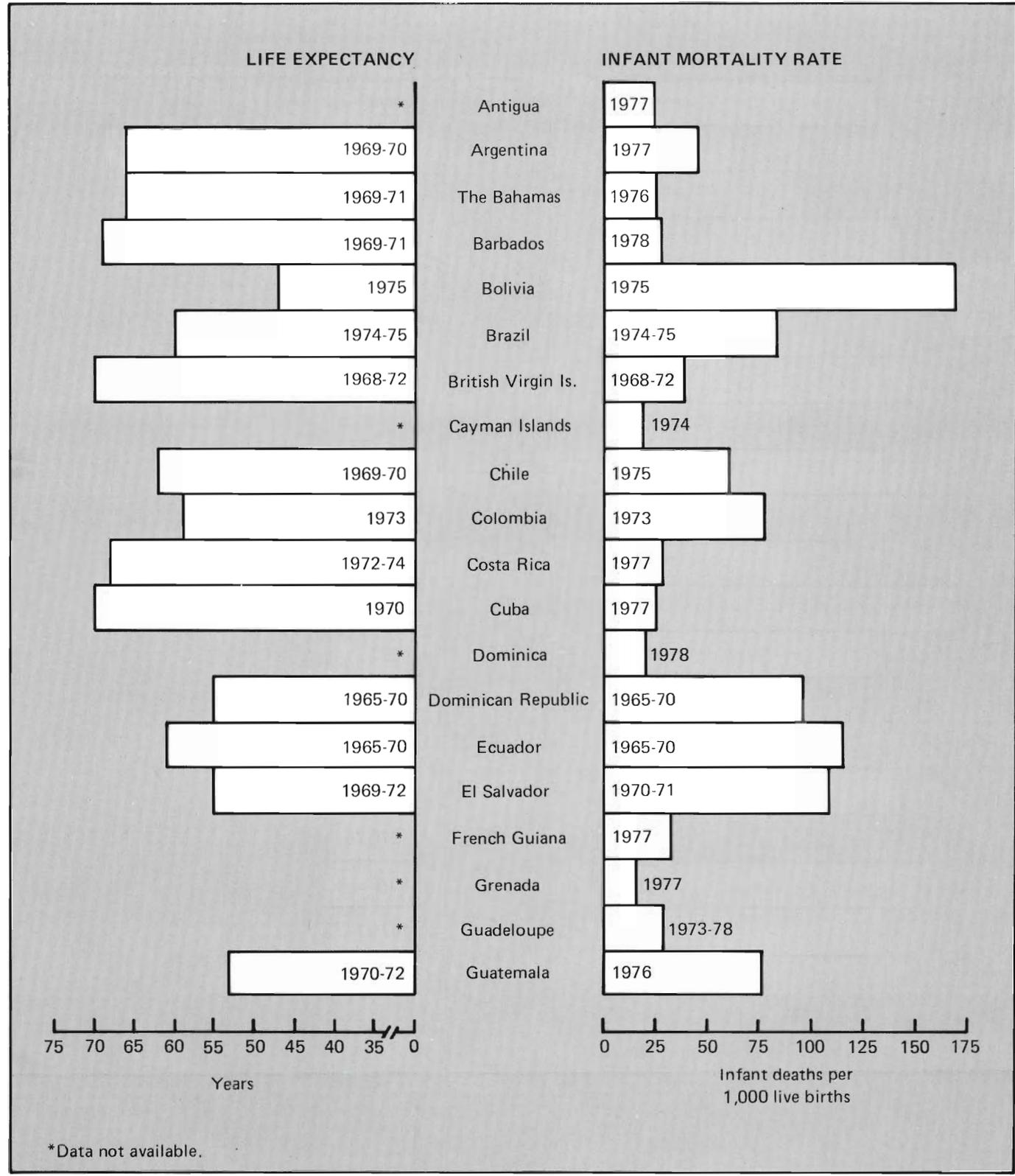
Figure 6.  
**Life Expectancy at Birth and Infant Mortality Rates for Asia**



Note: Figure shows most recent year for countries with benchmark data in the 1970's.

Figure 7.

### Life Expectancy at Birth and Infant Mortality Rates for Latin America

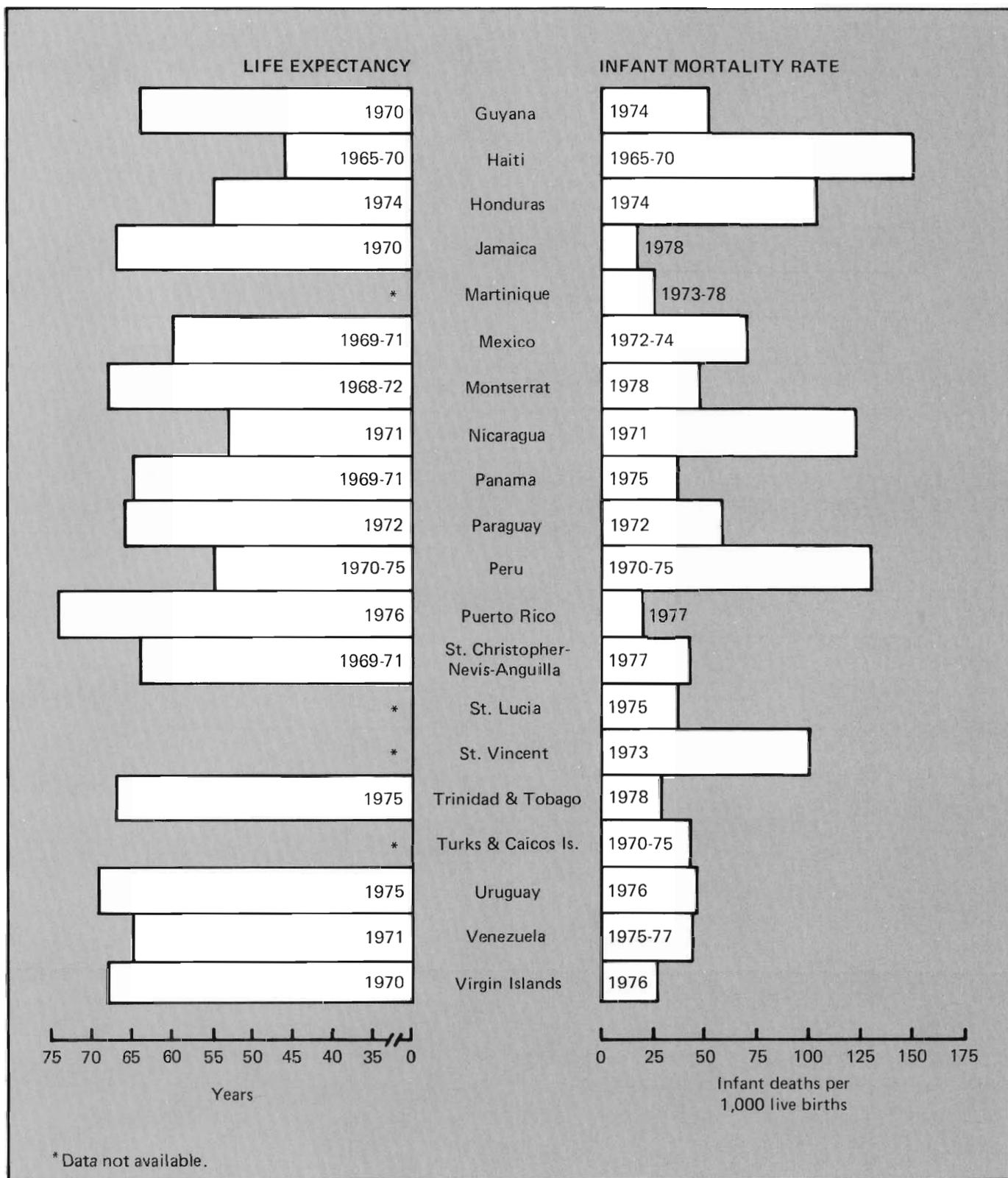


\*Data not available.

Note: Figure shows most recent year for countries with benchmark data in the 1970's.

Figure 7.

**Life Expectancy at Birth and Infant Mortality Rates for Latin America—(Continued)**

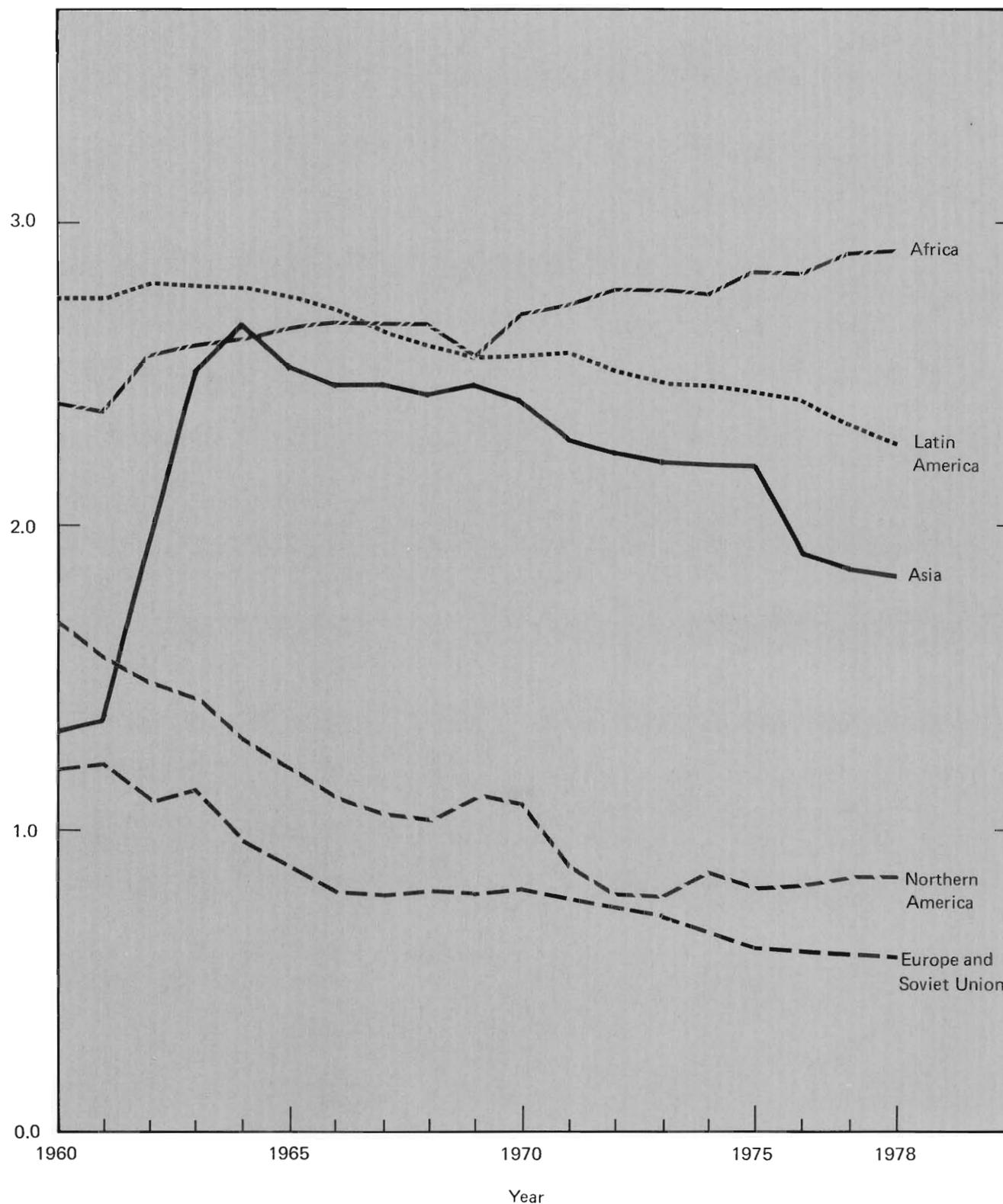


Note: Figure shows most recent year for countries with benchmark data in the 1970's.

Figure 8.

## Annual Population Growth Rates for Regions of the World: 1960 to 1978

Percent



Note: Growth rates for Australia and New Zealand are combined with those for Europe and the Soviet Union; growth rates for the remainder of Oceania are combined with those for Asia.



# **Data for Continents by Subregions and Countries**

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# AFRICA



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Table A-1. **Population of Africa, 1979, and Vital Rates, 1978, by Subregion**

| Subregion            | Estimated population<br>July 1, 1979<br>(thousands) | 1978                              |                                   |                                |
|----------------------|---|-----------------------------------|-----------------------------------|--------------------------------|
|                      |   | Births<br>per 1,000<br>population | Deaths<br>per 1,000<br>population | Rate of<br>growth<br>(percent) |
| Africa.....          | 458,231   | 45-47                             | 17-18                             | 2.7-3.0                        |
| Eastern Africa.....  | 130,165   | 46-50                             | 18-20                             | 2.7-3.0                        |
| Middle Africa.....   | 52,238  | 44-48                             | 19-21                             | 2.6-3.1                        |
| Northern Africa..... | 106,999   | 42-43                             | 13                                | 3.0                            |
| Southern Africa..... | 31,402  | 36-38                             | 12-13                             | 2.1-2.2                        |
| Western Africa.....  | 137,427   | 48-51                             | 18-21                             | 2.8-3.2                        |

Table A-2. **Population of Africa and Average Annual Rates of Growth, by Subregion: 1950 to 1979**

| Subregion            | Midyear population (thousands) |         |         |         |         |         |         |
|----------------------|--------------------------------|---------|---------|---------|---------|---------|---------|
|                      | 1979                           | 1975    | 1970    | 1965    | 1960    | 1955    | 1950    |
| Africa.....          | 458,231                        | 408,508 | 356,130 | 312,074 | 275,224 | 244,984 | 219,709 |
| Eastern Africa.....  | 130,165                        | 115,888 | 100,875 | 88,383  | 78,096  | 69,495  | 62,413  |
| Middle Africa.....   | 52,238                         | 46,926  | 41,540  | 36,716  | 32,746  | 29,761  | 27,289  |
| Northern Africa..... | 106,999                        | 95,258  | 83,440  | 73,452  | 65,219  | 57,901  | 51,434  |
| Southern Africa..... | 31,402                         | 28,714  | 25,347  | 22,169  | 19,399  | 17,234  | 15,387  |
| Western Africa.....  | 137,427                        | 121,723 | 104,928 | 91,354  | 79,764  | 70,592  | 63,186  |

| Subregion            | Average annual rate of growth (percent) |         |         |         |         |         |
|----------------------|---|---------|---------|---------|---------|---------|
|                      | 1975-79                                 | 1970-75 | 1965-70 | 1960-65 | 1955-60 | 1950-55 |
| Africa.....          | 2.9                                     | 2.7     | 2.6     | 2.5     | 2.3     | 2.2     |
| Eastern Africa.....  | 2.9                                     | 2.8     | 2.6     | 2.5     | 2.3     | 2.1     |
| Middle Africa.....   | 2.7                                     | 2.4     | 2.5     | 2.3     | 1.9     | 1.7     |
| Northern Africa..... | 2.9                                     | 2.6     | 2.5     | 2.4     | 2.4     | 2.4     |
| Southern Africa..... | 2.2                                     | 2.5     | 2.7     | 2.7     | 2.4     | 2.3     |
| Western Africa.....  | 3.0                                     | 3.0     | 2.8     | 2.7     | 2.4     | 2.2     |

Note: For a list of countries comprising each subregion, see Composition of Subregions, pp. 18 and 19.

## Population Growth in Africa: 1950 to 1979

The African continent is a less developed region with a combination of vital rates unique in today's world—a very high fertility level and a moderately high mortality level. This combination has produced an exceedingly high population growth rate, which is estimated to have increased steadily from 2.2 percent annually in the 1950-55 period to 2.9 percent annually in the 1975-79 period. Since 1970, Africa has had the highest population growth rate of any region of the world. The African share of world population increased from less than 9 percent in 1950 to more than 10 percent in 1979. With the exception of Southern Africa, all the subregions of Africa exhibit a pattern of accelerating growth rates during the 1950-79 period.

Southern Africa has the lowest crude birth rate in Africa as well as a relatively low crude death rate. Southern Africa's average annual population growth rate increased from 2.3 percent in the 1950-55 period to 2.7 percent in the 1960-70 period. Since that time, however, the growth rate has been decreasing due to fertility reductions during 1970-79 and net international emigration during the 1975-79 period, including emigration of European and other non-African populations. The average annual population growth rate of Southern Africa reached 2.2 percent in 1975-79, nearly one-fourth lower than the African average. The trends for this subregion reflect population dynamics in the nation of South Africa, which constitutes nearly 90 percent of the subregion's population.

Northern Africa has the second lowest fertility rate among Africa's regions and relatively low mortality rates. Northern Africa's growth rate increased gradually from 2.4 percent in the 1950-65 period to 2.9 percent in the 1975-79 period. The estimated 1978 annual growth rate for Northern Africa was 3.0 percent, with higher rates in a number of countries, including Algeria, Libya, Sudan, and Western Sahara. In Algeria, the growth rate was higher in 1978 than in the 1965-75 period due to the cessation of the former heavy emigration to France. Libya's growth rate in recent years would have been even higher except for emigration of a reported 100,000 Egyptians between mid-1977 and mid-1979. The growth rate in the Sudan estimated for 1978 (3.6-3.8 percent) reflects a high rate of natural increase combined with significant net immigration. An influx of refugees from Ethiopia and other countries has brought the reported total number of refugees in the Sudan to over 400,000. Tunisia had the lowest crude birth rate, crude death rate, and growth rate (2.5 percent) of any country in the Northern Africa subregion in 1978. Egypt's 1978 population growth rate is estimated at 2.7 percent, lower than for most other

Northern Africa countries but representing an increase from Egypt's 1970-75 growth rate of 2.2 percent. Egypt by itself encompasses nearly 40 percent of the population of the Northern Africa subregion and is the second most populous nation in Africa.

The Eastern and Western Africa subregions, which together constitute over half of the population of Africa, have high crude birth rates and moderately high crude death rates. Growth rates have increased rapidly in both of these subregions in the past three decades and by similar magnitudes (from 2.1-2.2 percent in 1950-55 to 2.9-3.0 percent in 1975-79).

Many countries of Eastern Africa have very high population growth rates. Kenya's estimated 1978 growth rate of 4 percent is the product of very high fertility and declining mortality; if this rate were to continue unchanged, the population would double in less than 20 years. Recent estimates indicate an increase in the fertility of Kenyan women, attributable largely to improvements in health conditions. Mozambique's recent growth includes a significant number of refugees from Zimbabwe (formerly Southern Rhodesia). Ethiopia, Eastern Africa's most populous country and the third largest nation in Africa, had a 1978 estimated growth rate of 2.2-2.6 percent. Refugees from Ethiopia continue to enter the Sudan, Somalia, and other countries. Currently over 600,000 refugees are located in Somali camps, with official reports indicating an even greater number outside these camps.

Countries of Western Africa with very high growth rates in 1978 include Ghana, Ivory Coast, and Nigeria. Growth of the Ivory Coast labor market has led to an influx of immigrants from neighboring countries, particularly from Upper Volta, Mali, and Guinea. Nigeria, the most populous nation in Africa, had an estimated population growth rate of 2.9-3.4 percent in 1978.

Middle Africa has a fairly high crude birth rate and a moderately high crude death rate. Its population growth rate increased more rapidly than that of any other subregion of Africa between 1950-55 and 1975-79, from 1.7 percent to 2.7 percent, or by nearly 60 percent. Over half of the subregion's population lives in Zaire. In 1978, Zaire had an estimated population growth rate of 3.1-3.9 percent (including an estimated net immigration rate of 7 per 1,000 population), higher than the growth rate for any other nation of Middle Africa. Zaire has a large refugee population, coming mainly from Angola. Sizable movements of refugees have also occurred among other nations of Middle Africa.

**BENCHMARK DATA**

|  |            |
|--|------------|
| 1. Enumerated population, census of February 12, 1977..... | 16,260,491 |
| 2. Adjusted population, census of February 12, 1977.....   | 16,830,638 |
| 3. Births per 1,000 population, 1977.....                  | 46         |
| 4. Deaths per 1,000 population, 1977.....                  | 14         |
| 5. Annual rate of growth, 1977 (percent).....              | 3.2        |
| 6. Life expectancy at birth, 1977.....                     | 55         |
| 7. Infant deaths per 1,000 live births, 1977.....          | 127        |

**PROJECTED ESTIMATES**

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 18,145,000 |
| 9. Births per 1,000 population, 1978.....      | 46         |
| 10. Deaths per 1,000 population, 1978.....     | 14         |
| 11. Annual rate of growth, 1978 (percent)..... | 3.2        |

**NOTES:**

1. Preliminary census figure as reported by Direction des Statistiques et de la Comptabilité Nationale (DSCN), 1979, p. 6.
2. Preliminary census figure officially adjusted for 3.4 percent net underenumeration based on a post enumeration survey (DSCN, 1979, p. 6).
- 3-4. Based on registered births adjusted for 7.2 percent underregistration and registered deaths adjusted for 36.2 percent underregistration (Mokaddem, 1979, pp. 2-3; and DSCN, 1979, pp. 13, 15, 19, and 24).
5. Difference between crude birth and death rates. Official arrival and departure data (DSCN, 1977, no. 4, p. 8) suggest that net migration was negligible.
- 6-7. Official estimates based on adjusted registered deaths by age and sex and taking into consideration Coale-Demeny south region model life tables (DSCN, 1979, pp. 15-24).
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming no significant change in the 1977 growth rate.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 9,063      | 1970 | 13,832     | 1950-55 | 1.9                        |
| 1955                       | 9,958      | 1971 | 14,233     | 1955-60 | 1.9                        |
| 1960                       | 10,945     | 1972 | 14,657     | 1960-65 | 1.7                        |
| 1961                       | 11,139     | 1973 | 15,092     | 1965-70 | 2.9                        |
| 1962                       | 11,032     | 1974 | 15,546     | 1970-75 | 2.9                        |
| 1963                       | 11,321     | 1975 | 16,030     | 1975-79 | 3.1                        |
| 1964                       | 11,624     | 1976 | 16,521     |         |                            |
| 1965                       | 11,942     | 1977 | 17,036     |         |                            |
| 1966                       | 12,277     |      |            |         |                            |
| 1967                       | 12,667     |      |            |         |                            |
| <b>PROJECTED ESTIMATES</b> |            |      |            |         |                            |
| 1968                       | 13,052     | 1978 | 17,582     |         |                            |
| 1969                       | 13,431     | 1979 | 18,145     |         |                            |

**NOTES:** 1950-65—Based on the inflated censuses of 1948, 1954, and 1960, the adjusted 1966 census, and assumed trends in fertility, mortality, and migration since 1950.

1966-77—Based on the adjusted censuses of 1966 and 1977, estimated declines in fertility and mortality (Mokaddem, 1979, pp. 2-3; and DSCN, 1979, pp. 13, 15, 19, 24, and 40), estimated net migration which considers reported data on Algerians abroad in 1966 and 1977, and net migration to France and other countries (Institut National d'Etudes Démographiques, 1976, table 10; 1977, table 8; 1978, table 8; DSCN, 1977, nos. 2-4; 1979, p. 41; and Mokaddem, 1979, p. 2).

1978-79—Projected assuming a continuation of the 1977 calendar-year growth rate.

The following censuses were used in deriving the population time series:

| Census date                       | Enumerated population | Adjusted population | Source   |
|-----------------------------------|-----------------------|---------------------|--|
| October 31, 1948                  | 8,524,100             | 8,788,000           | Enumerated populations for 1948, 1954, 1960, and 1966 as reported in <i>UNDY 1970</i> , table 7; and for 1977 in DSCN, 1979, p. 6.   |
| October 31, 1954                  | 9,529,726             | 9,824,000           |  |
| February 1-<br>September 15, 1960 | 10,784,309            | 11,118,000          |  |
| April 4, 1966                     | 11,821,679            | 12,187,000          | The enumerated population for 1977 was adjusted for 3.4 percent net underenumeration based on a post enumeration survey as reported by DSCN, 1979, p. 6. The 1966 adjusted population figure is implied by the adjusted mid-year population data for 1977 and growth rates for 1966 to 1977 based on adjusted registered births and deaths (Mokaddem, 1979, pp. 2-3; and DSCN, 1979, pp. 13, 15, 19, 24, and 40) and estimated net migration during the period (Institut National d'Etudes Démographiques, 1976, table 10; 1977, table 8; 1978, table 8; DSCN, 1977, p. 8; 1979, p. 41; and Mokaddem, 1979, p. 2). The 1948, 1954, and 1960 enumerated populations were inflated for the same percent underenumeration (3.0 percent) as implied for the 1966 census. |
| February 12, 1977                 | 16,260,491            | 16,830,638          |  |

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## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of December 15, 1970..... | 5,646,166 |
| 2. Adjusted population.....                                | NA        |
| 3. Births per 1,000 population.....                        | NA        |
| 4. Deaths per 1,000 population.....                        | NA        |
| 5. Annual rate of growth, 1960-70 (percent).....           | 1.5       |
| 6. Life expectancy at birth.....                           | NA        |
| 7. Infant deaths per 1,000 live births.....                | NA        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 6,543,000 |
| 9. Births per 1,000 population, 1978.....      | 46-48     |
| 10. Deaths per 1,000 population, 1978.....     | 23        |
| 11. Annual rate of growth, 1978 (percent)..... | 1.2-1.4   |

## NOTES:

1. Provisional census figures as reported in *PVSR October 1979*.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Data not available.
5. Intercensal growth rate based on 1960 and 1970 census populations.
- 6-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Derived by interpolation of 1975-80 and 1980-85 projected rates from U.N. high, medium, and low variant projections (U.N., 1979, tables 7 and 9). Deaths per 1,000 population round to the same number for all three variants.
11. Range of variation given selected combinations of unrounded crude birth, death, and net migration rates (46.0, 23.1, and 10.5 per 1,000 population; and 47.6, 22.7, and 10.5 per 1,000 population, respectively).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |     |
|------|------------|----------------------------|------------|---------|----------------------------|-----|
| 1950 | 4,118      | 1970                       | 5,573      | 1950-55 | 1.4                        |     |
| 1955 | 4,423      | <b>PROJECTED ESTIMATES</b> |            |         | 1955-60                    | 1.6 |
| 1960 | 4,797      | 1971                       | 5,732      | 1960-65 | 1.3                        |     |
| 1961 | 4,752      | 1972                       | 5,890      | 1965-70 | 1.7                        |     |
| 1962 | 4,824      |                            |            | 1970-75 | 1.3                        |     |
| 1963 | 4,915      | 1973                       | 6,042      | 1975-79 | 2.4                        |     |
| 1964 | 5,019      | 1974                       | 6,023      |         |                            |     |
| 1965 | 5,125      | 1975                       | 5,950      |         |                            |     |
| 1966 | 5,188      | 1976                       | 6,037      |         |                            |     |
| 1967 | 5,232      | 1977                       | 6,264      |         |                            |     |
| 1968 | 5,332      | 1978                       | 6,470      |         |                            |     |
| 1969 | 5,450      | 1979                       | 6,543      |         |                            |     |

**NOTES:** 1950-69—Based on the 1950, 1960, and 1970 censuses, an assumed trend in the rate of natural increase, and an estimated trend in net migration. Estimated net migration was based on Portuguese intercensal immigration (based on growth of the white population between the censuses as reported in *UNDY 1956*, table 7; *Repartição de Estatística Geral*, 1964, p. 16; and Paxton, 1977, p. 757), and an estimated refugee movement of Angolans to Zaire (U.N., General Assembly, various issues, 1962 to 1971).

1970-79—Based on the 1970 census, an assumed trend in the rate of natural increase (which takes into consideration U.N. estimates), and an estimated trend in net migration. Annual estimates of net migration take into account the size of the Portuguese and Cape Verdean populations before and after independence in 1975 (Paxton, 1977, p. 757; and U.S. Department of State, 1976, p. 3) and trends in refugee movements, primarily Angolan refugees into Zaire, Zambia, and Botswana between 1970 and 1979 and Zairian refugees into Angola between 1977 and 1979 (U.N., General Assembly, various issues, 1971 to 1978; and U.N., High Commissioner for Refugees, various sources).

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| December 30, 1950 | 4,145,266             |                     | The 1950, 1960, and 1970 enumerated populations as reported in <i>UNDY 1970</i> , table 7; <i>Repartição de Estatística Geral</i> , 1964, p. 10; and <i>PVSR April 1979</i> , respectively. |
| December 30, 1960 | 4,840,719             |                     |   |
| December 15, 1970 | 5,646,166             |                     |   |

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**MAJOR SOURCES** (Continued)

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## BENCHMARK DATA

|    |   |           |
|----|---|-----------|
| 1. | Estimated population, survey of May-October 1961..... | 2,106,000 |
| 2. | Adjusted population survey of May-October 1961.....   | NA        |
| 3. | Births per 1,000 population, 1961.....                | 49-54     |
| 4. | Deaths per 1,000 population, 1961.....                | 26-28     |
| 5. | Annual rate of growth, 1961 (percent).....            | 2.3-2.6   |
| 6. | Life expectancy at birth.....                         | NA        |
| 7. | Infant deaths per 1,000 live births.....              | NA        |

## PROJECTED ESTIMATES

|     |  |           |
|-----|--|-----------|
| 8.  | Population, July 1, 1979.....              | 3,379,000 |
| 9.  | Births per 1,000 population, 1978.....     | 49-54     |
| 10. | Deaths per 1,000 population, 1978.....     | 24-26     |
| 11. | Annual rate of growth, 1978 (percent)..... | 2.5-2.8   |

## NOTES:

- Estimated population from the 1961 survey, including an estimate for the city of Abomey-Bohicon and Canton of Tchi (Ministère de la Coopération and France, 1964, p. 22). A census was taken in 1979 but no results are yet available.
- Data not available. The 1961 survey report estimated the total population in the approximate range of 2.0 to 2.2 million persons (Ministère de la Coopération and France, 1964, p. 22).
- Range as suggested in 1961 survey report. Lower bound of range is based on data on children ever born. Upper bound is based on data on births in the 12 months preceding the survey (Ministère de la Coopération and France, 1964, p. 141). An estimate of 53.5 per thousand was made by Van de Walle (1975, pp. 623-624) on the basis of stable population analysis.
- Lower bound of range is based on deaths in the 12 months preceding the 1961 survey (Ministère de la Coopération and France, 1964, p. 143). Upper bound is an estimate based on stable population analysis of survey data (Van de Walle, 1975, pp. 623-624).
- Range of variation given selected combinations of crude birth and death rates (49.0 and 26.0 per 1,000 and 54.0 and 28.4 per 1,000, respectively).
- Data not available. Using stable population analysis and Coale-Demeny west region model life tables, a life expectancy at birth for both sexes of 35 years and an infant mortality rate of 217 per 1,000 live births can be estimated for 1961.
- See notes for Midyear Population Estimates.
- Projected range of variation assuming no significant change in fertility since 1961.
- Projected range of variation based on slightly declining mortality as suggested by Van de Walle, 1975, p. 624.
- Range of variation given selected combinations of crude birth and death rates (49.0 and 24.0 per 1,000 and 54.0 and 26.0 per 1,000, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 1,611      | 1969 | 2,584      | 1950-55 | 2.4                        |
| 1955                       | 1,812      | 1970 | 2,653      | 1955-60 | 2.5                        |
| 1960                       | 2,049      | 1971 | 2,724      | 1960-65 | 2.5                        |
| 1961                       | 2,102      | 1972 | 2,796      | 1965-70 | 2.6                        |
| <b>PROJECTED ESTIMATES</b> |            | 1973 | 2,871      | 1970-75 | 2.6                        |
| 1962                       | 2,155      | 1974 | 2,948      | 1975-79 | 2.7                        |
| 1963                       | 2,210      | 1975 | 3,028      |         |                            |
| 1964                       | 2,268      | 1976 | 3,111      |         |                            |
| 1965                       | 2,327      | 1977 | 3,198      |         |                            |
| 1966                       | 2,389      | 1978 | 3,287      |         |                            |
| 1967                       | 2,452      | 1979 | 3,379      |         |                            |
| 1968                       | 2,517      |      |            |         |                            |

**NOTES:** 1950-79—Based on the 1961 survey population and assumed trends in fertility and mortality as suggested by Van de Walle (1975, p. 625).

**MAJOR SOURCES**

Benin, Ministère de la Coopération; and France, INSEE, Service de Coopération. 1964. *Enquête Démographique au Dahomey, 1961: Résultats Définitifs*. Paris.

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## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of August 31, 1971..... | 608,656 |
| 2. Adjusted population, census of August 31, 1971.....   | 641,106 |
| 3. Births per 1,000 population, 1971.....                | 42-45   |
| 4. Deaths per 1,000 population, 1971.....                | 14-15   |
| 5. Annual rate of growth, 1964-71 (percent).....         | 1.5     |
| 6. Life expectancy at birth, 1971.....                   | 56      |
| 7. Infant deaths per 1,000 live births, 1971.....        | 97      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 764,000 |
| 9. Births per 1,000 population, 1978.....      | 38-42   |
| 10. Deaths per 1,000 population, 1978.....     | 12-13   |
| 11. Annual rate of growth, 1978 (percent)..... | 2.5-3.0 |

## NOTES:

- Final census figure comprised of an enumerated settled population of 574,094, an estimated nomadic population of 10,550, and 24,012 persons reported as absent for less than one year (Central Statistics Office, 1972a, p. 95). Population is de jure. Persons reported as absent for more than one year were not included as part of the de jure population defined for the present analysis.
- Adjusted de jure census figure derived at the U.S. Bureau of the Census based on official estimates of underenumeration. The net underenumeration implied by the adjusted and unadjusted de jure census populations is 5.1 percent.
- Lower bound of range is an official estimate reported for the 1971 census based on a reverse survival of the graduated census age distribution for the enumerated settled population (Central Statistics Office, 1972a, p. 186). Upper bound of range is an official estimate based on the graduated census age distribution and estimated age-specific fertility rates (Central Statistics Office, 1972a, p. 186).
- Official range reported for 1971 (Central Statistics Office, 1972a, p. 169). Lower bound of range is based on the application of official life table age-specific central death rates to the adjusted age distribution for the enumerated settled population and absentees combined. Upper bound of range is based on the application of official life table age-specific central death rates to the adjusted age distribution for the enumerated settled population only.
- Intercensal rate of growth based on the unadjusted 1964 and 1971 de jure census populations. Given selected combinations of the unrounded crude birth and death rates, the intercensal growth rate implies an average annual net emigration rate of between 16.2 and 22.2 per 1,000 population for the intercensal period.
- 6-7. Derived at the U.S. Bureau of the Census from official life tables based on an analysis of results from an application of the Brass and Sullivan mortality techniques, and the orphanhood technique to data from the 1971 census (Central Statistics Office, 1972a, table 17.8, p. 170).
- See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1971.
- Range of variation given possible combinations of unrounded crude birth and death rates.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |     |
|------|------------|----------------------------|------------|---------|----------------------------|-----|
| 1950 | 408        | 1970                       | 630        | 1950-55 | 2.5                        |     |
| 1955 | 462        | 1971                       | 639        | 1955-60 | 2.7                        |     |
| 1960 | 528        | <b>PROJECTED ESTIMATES</b> |            |         | 1960-65                    | 2.0 |
| 1961 | 542        | 1972                       | 649        | 1965-70 | 1.6                        |     |
| 1962 | 554        | 1973                       | 661        | 1970-75 | 1.8                        |     |
| 1963 | 565        | 1974                       | 674        | 1975-79 | 2.6                        |     |
| 1964 | 574        | 1975                       | 689        |         |                            |     |
| 1965 | 583        | 1976                       | 706        |         |                            |     |
| 1966 | 592        | 1977                       | 725        |         |                            |     |
| 1967 | 601        |                            |            |         |                            |     |
| 1968 | 611        | 1978                       | 744        |         |                            |     |
| 1969 | 620        | 1979                       | 764        |         |                            |     |

**NOTES:** 1950-71—Based on the adjusted 1964 and 1971 de jure census populations and assumed trends in fertility, mortality, and migration.

1972-79—Projected by the component method based on the adjusted 1971 de jure census population, official projections of fertility and mortality (Central Statistics Office, 1972a, Appendix 12), and assumed declining annual net emigration rates during 1972-75. No emigration is assumed after 1976.

The following censuses were used in deriving the population time series:

| Census date     | Enumerated population | Adjusted population | Source  |
|-----------------|-----------------------|---------------------|---|
| April 1, 1964   | 543,105               | 572,000             | Enumerated populations as reported in Central Statistics Office, 1972a, p. 95 and table 17.22, footnote 3. The 1964 and 1971 enumerated de jure census populations included the settled population, the estimated nomadic population, and persons reported as absent for less than one year. Persons reported as absent for more than one year were not included as part of the de jure population defined for the present analysis.<br><br>The 1971 adjusted de jure population was derived at the U.S. Bureau of the Census as the sum of the combined total of the settled and nomadic populations adjusted by an official estimate of 3.8 percent underenumeration for both groups; and the total number of persons reported as absent for less than one year, adjusted by an official estimate of 28.2 percent underenumeration for all persons reported as absent at the time of the census (Central Statistics Office, 1972b, table 3). The 1964 enumerated de jure population was inflated at the U.S. Bureau of the Census using the ratio of the 1971 enumerated to adjusted populations. |
| August 31, 1971 | 608,656               | 641,000             |   |

**MAJOR SOURCES**

Central Statistics Office. 1972a. *Report on the Population Census 1971*. Gaborone.  
\_\_\_\_\_. 1972b. *Statistical Abstract 1972*. Gaborone.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of August 16-30, 1979..... | 4,110,000 |
| 2. Adjusted population, census of August 16-30, 1979.....   | NA        |
| 3. Births per 1,000 population, 1970-71.....                | 42-45     |
| 4. Deaths per 1,000 population, 1970-71.....                | 20        |
| 5. Annual rate of growth, 1970-71 (percent).....            | 1.7-1.9   |
| 6. Life expectancy at birth, 1970-71.....                   | 42        |
| 7. Infant deaths per 1,000 live births, 1970-71.....        | 140       |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 4,192,000 |
| 9. Births per 1,000 population, 1978.....      | 41-43     |
| 10. Deaths per 1,000 population, 1978.....     | 16-18     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3-2.6   |

## NOTES:

1. Preliminary census figure (U.S. Department of State, 1979).
2. The 1979 census has not been evaluated for possible coverage error.
3. Range of variation based on data from the 1970-71 survey. The lower bound is an unadjusted estimate based on births registered during the survey period and the total sample population from the 1970-71 survey (France, INSEE, 1974a, p. 262). The upper bound is an adjusted estimate derived at the U.S. Bureau of the Census based on an application of the Mortara fertility technique to data from the 1970-71 survey.
4. Estimate based on deaths registered during the survey period and the total sample population from the 1970-71 survey (France, INSEE, 1974a, p. 295).
5. Range of variation based on unrounded crude birth and death rates and an estimated net emigration rate of 4.8 per 1,000 population. The estimated net emigration rate is based on refugee data as reported in U.N., General Assembly, 1962 to 1978.
6. Estimate based on registered deaths, by age and sex, and sample population from the 1970-71 survey (France, 1974a, p. 309).
7. Reported estimate based on births and infant deaths registered during the survey period and estimated births for the year prior to the survey (France, INSEE, 1974a, p. 296).
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming a slight to moderate decline in fertility and mortality since 1970-71 considering past trends.
11. Range of variation given possible combinations of unrounded crude birth and death rates. According to the U.N., General Assembly, 1978, and U.N., High Commissioner for Refugees, 1979, little or no refugee movement occurred during 1978.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 2,393      | 1969 | 3,522      | 1950-55 | 1.8                        |
| 1955                       | 2,616      | 1970 | 3,589      | 1955-60 | 1.8                        |
| 1960                       | 2,864      | 1971 | 3,659      | 1960-65 | 2.3                        |
| 1961                       | 2,942      | 1972 | 3,621      | 1965-70 | 2.2                        |
| 1962                       | 3,012      | 1973 | 3,663      | 1970-75 | 1.2                        |
| 1963                       | 3,063      | 1974 | 3,725      | 1975-79 | 2.4                        |
| 1964                       | 3,139      | 1975 | 3,814      |         |                            |
| 1965                       | 3,221      | 1976 | 3,894      |         |                            |
|                            |            | 1977 | 3,987      |         |                            |
|                            |            | 1978 | 4,088      |         |                            |
|                            |            | 1979 | 4,192      |         |                            |
| <b>PROJECTED ESTIMATES</b> |            |      |            |         |                            |
| 1966                       | 3,305      |      |            |         |                            |
| 1967                       | 3,385      |      |            |         |                            |
| 1968                       | 3,458      |      |            |         |                            |

**NOTES:** 1950-65—Based on the 1965 Demographic Sample Survey population, and estimated fertility, mortality and migration trends during the period. Fertility and mortality trends were based on estimated vital rates from the 1965 survey (France, Secrétariat d'Etat aux Affaires Etrangères, 1969, pp. 9, 11 and 52) and the 1970-71 Demographic Sample Survey (France, INSEE, 1974a, pp. 263 and 357). Migration is based on the number of refugees entering and leaving Burundi as reported in U.N., General Assembly, various issues, 1962 to 1966.

1966-77—Projected based on the 1965 Demographic Sample Survey population and estimated and projected rates from the 1965 and 1970-71 surveys. Migration is based on the number of refugees entering and leaving Burundi as reported in U.N., General Assembly, various issues, 1967 to 1978, and U.N., High Commissioner for Refugees, 1979.

The following survey was used to derive the population time series:

| Survey date                    | Estimated population | Adjusted population | Source   |
|--------------------------------|----------------------|---------------------|--|
| February 25 -<br>July 31, 1965 | 3,210,000            |                     | Estimated population from the 1965 Demographic Sample Survey ( <i>UNDY 1970</i> , table 7). The April 1970 - July 1971 Rural Demographic Survey gave an estimated rural population of 3,090,000 with an estimated margin of error of plus or minus 760,000 persons (population range of 2,330,000-3,850,000. An official estimate of the urban population is 150,000 for 1970-71. An official estimate of the total population for 1970, 3,350,000, is based on results of agricultural surveys conducted during 1967-68 and 1969 (France, INSEE, 1974a, p. 37; and 1974b, p. 45). |

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- United Nations. High Commissioner for Refugees. 1979. *UNHCR Spring 1979*. Geneva.
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## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of April 9, 1976..... | 7,131,833 |
| 2. Adjusted population, census of April 9, 1976.....   | 7,663,246 |
| 3. Births per 1,000 population, 1976.....              | 45        |
| 4. Deaths per 1,000 population, 1976.....              | 20        |
| 5. Annual rate of growth, 1976 (percent).....          | 2.5       |
| 6. Life expectancy at birth, 1976.....                 | 44        |
| 7. Infant deaths per 1,000 live births, 1976.....      | 157       |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 8,323,000 |
| 9. Births per 1,000 population, 1978.....      | 45-46     |
| 10. Deaths per 1,000 population, 1978.....     | 20        |
| 11. Annual rate of growth, 1978 (percent)..... | 2.5-2.6   |

## NOTES:

1. Final census figure as reported in Bureau Central du Recensement, 1979, p. 7.
2. Official adjustment for 6.9 percent net underenumeration (Bureau Central du Recensement, 1979, p. 7).
- 3-5. Official estimates based on a stable population analysis of the 1976 census data as reported in Bureau Central du Recensement, 1979, p. 88.
- 6-7. Official estimates based on the application of the Courbage-Fargues mortality technique to data from the 1976 census (Bureau Central du Recensement, 1979, pp. 83 and 85).
8. See notes for Midyear Population Estimates.
- 9-10. Projected based on assumed trends in fertility and mortality since 1976 taking into consideration results from the 1960-65 subregional surveys and the 1976 census.
11. Range of variation given selected combinations of unrounded crude birth and death rates (45.3 and 20.0 per 1,000 population and 45.5 and 19.8 per 1,000 population, respectively).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 4,888      | 1970                       | 6,727      | 1950-55 | 1.3                        |
| 1955 | 5,211      | 1971                       | 6,870      | 1955-60 | 1.5                        |
| 1960 | 5,609      | 1972                       | 7,021      | 1960-65 | 1.7                        |
| 1961 | 5,699      | 1973                       | 7,179      | 1965-70 | 1.9                        |
| 1962 | 5,794      | 1974                       | 7,346      | 1970-75 | 2.2                        |
| 1963 | 5,892      | 1975                       | 7,522      | 1975-79 | 2.5                        |
| 1964 | 5,966      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 6,104      | 1976                       | 7,706      |         |                            |
| 1966 | 6,217      | 1977                       | 7,901      |         |                            |
| 1967 | 6,336      |                            |            |         |                            |
| 1968 | 6,460      | 1978                       | 8,106      |         |                            |
| 1969 | 6,590      | 1979                       | 8,323      |         |                            |

**NOTES:** 1950-76—Based on the 1976 adjusted census population and assumed trends in fertility and mortality. Fertility and mortality trends are based on estimates of crude birth and death rates for 1960-65 and 1976 based on results from the 1960-65 subregional surveys (SSG and France, 1968a, table II-233; 1968b, p. 90; 1969, p. 249; and Page and Coale, 1972, table 9.1(b) and the 1976 census (Bureau Central du Recensement, 1979, p. 88).

1977-79—Based on the 1976 adjusted census population and projected trends in fertility and mortality based on past trends.

#### MAJOR SOURCES

Bureau Central du Recensement. 1979. *Recensement Général de la Population et de l'Habitat d'Avril 1976*, vol. II, part 1. Yaoundé.

Cameroon, Service de la Statistique Générale (SSG); and France, INSEE, Service de Coopération. 1968a. *Enquête Démographique au Cameroun. Résultats Définitifs pour la Région Nord, 1962-1964*. Paris.

\_\_\_\_\_. 1968b. *Enquête Démographique au Cameroun. Résultats Définitifs pour la Région Sud-Est, 1962-1964*. Paris.

\_\_\_\_\_. 1969. *La Population du Cameroun Occidental. Résultat de l'Enquête Démographique de 1964*. Paris.

Page, H. J. and A. J. Coale. 1972. "Fertility and Child Mortality South of the Sahara." *Population Growth and Economic Development in Africa*, eds. S. H. Ominde and C. N. Ejiogu. Heinemann Educational Books. London.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of December 15, 1970..... | 272,072 |
| 2. Adjusted population, census of December 15, 1970.....   | NA      |
| 3. Births per 1,000 population, 1976.....                  | 29      |
| 4. Deaths per 1,000 population, 1976.....                  | 8       |
| 5. Annual rate of growth, 1976 (percent).....              | 2.1     |
| 6. Life expectancy at birth.....                           | NA      |
| 7. Infant deaths per 1,000 live births, 1975.....          | 105     |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 328,000 |
| 9. Births per 1,000 population, 1978.....      | 28-29   |
| 10. Deaths per 1,000 population, 1978.....     | 7-8     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.0-2.2 |

## NOTES:

1. Provisional census figure (Portugal, 1975, p. 11).
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Official rates based on 1976 registered births and deaths as reported by Direcção Geral de Estatística, 1977.
5. Difference between crude birth and death rates.
6. Data not available. Using a provisional registered infant mortality rate of 105 as reported in *PVSR October 1979* and Coale-Demeny south region model life tables, a life expectancy at birth of 57 years can be estimated for 1975.
7. Registered rate as reported in *PVSR October 1979*.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1976.
11. Range of variation given possible combinations of unrounded crude birth and death rates (27.8 and 8.2 per 1,000 population and 28.8 and 7.2 per 1,000 population, respectively).

## CAPE VERDE

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |     |
|------|------------|----------------------------|------------|---------|----------------------------|-----|
| 1950 | 146        | 1970                       | 269        | 1950-55 | 2.9                        |     |
| 1955 | 169        | <b>PROJECTED ESTIMATES</b> |            | 1955-60 | 3.0                        |     |
| 1960 | 197        |                            | 1971       | 276     | 1960-65                    | 3.3 |
| 1961 | 203        |                            | 1972       | 283     | 1965-70                    | 3.0 |
| 1962 | 210        |                            | 1973       | 289     | 1970-75                    | 2.3 |
| 1963 | 217        |                            | 1974       | 296     | 1975-79                    | 2.1 |
| 1964 | 224        |                            | 1975       | 302     |                            |     |
| 1965 | 232        |                            | 1976       | 309     |                            |     |
| 1966 | 239        |                            | 1977       | 315     |                            |     |
| 1967 | 247        |                            |            |         |                            |     |
| 1968 | 254        |                            | 1978       | 322     |                            |     |
| 1969 | 262        | 1979                       | 328        |         |                            |     |

**NOTES:** 1950-70—Based on the 1950, 1960, and 1970 censuses and intercensal growth rates.

1971-79—Projected based on the 1970 census and assumed trends in fertility and mortality since 1970, which take into consideration the 1976 vital rates reported by Direcção Geral de Estatística, 1977.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| December 15, 1950 | 148,331               |                     | Enumerated populations for 1950 and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in Portugal, 1975, p. 11. |
| December 15, 1960 | 199,661               |                     |  |
| December 15, 1970 | 272,072               |                     |  |

**MAJOR SOURCES**

Cape Verde. Direcção Geral de Estatística. 1977. Personal communication.

Portugal. Instituto Nacional de Estatística. 1975. *Anuário Estatístico, Territórios Ultramarinos 1973*, vol. II. Lisbon.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of December 8-22, 1975..... | 2,086,000 |
| 2. Adjusted population, census of December 8-22, 1975.....   | NA        |
| 3. Births per 1,000 population, 1959-60.....                 | 46-48     |
| 4. Deaths per 1,000 population, 1959-60.....                 | 26-30     |
| 5. Annual rate of growth, 1959-60 (percent).....             | 1.6-2.2   |
| 6. Life expectancy at birth, 1959-60.....                    | 34        |
| 7. Infant deaths per 1,000 live births, 1959-60.....         | 190       |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 2,284,000 |
| 9. Births per 1,000 population, 1978.....      | 45-48     |
| 10. Deaths per 1,000 population, 1978.....     | 19-21     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.4-2.9   |

## NOTES:

1. Provisional census figure (U.N., 1979b).
2. The 1975 census has not been evaluated for possible coverage error.
3. Lower bound of range is based on stable population analysis of 1959-60 Demographic Survey data by Adegbola (1977, p. 481). The survey covered about 85 percent of the population of the country (*UNDY 1965*, table 3). Upper bound of range is based on births during the 12 months preceding the 1959-60 Demographic Survey and the total population from the survey (*UNDY 1965*, tables 6 and 13).
4. Lower bound of range is based on deaths during the 12 months preceding the 1959-60 Demographic Survey and the total population from the survey (*UNDY 1965*, tables 6 and 43). The upper bound is an adjusted rate based on an official analysis of deaths reported for the 12 months preceding the survey (France, 1961, p. 23).
5. Range of variation given possible combinations of crude birth and death rates.
- 6-7. Based on official estimates derived from the 1959-60 Demographic Survey as reported in *UNDY 1977*, tables 4 and 22.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1959-60, which take into consideration alternative U.N. projections (U.N., 1979, annex tables 2-A, 7, and 9).
11. Range of variation given possible combinations of unrounded crude birth and death rates.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 1,279      | 1970                       | 1,855      | 1950-55 | 1.4                        |
| 1955 | 1,369      | 1971                       | 1,898      | 1955-60 | 1.7                        |
| 1960 | 1,490      | 1972                       | 1,939      | 1960-65 | 2.1                        |
| 1961 | 1,518      | 1973                       | 1,974      | 1965-70 | 2.3                        |
| 1962 | 1,547      | 1974                       | 2,013      | 1970-75 | 2.1                        |
| 1963 | 1,577      | 1975                       | 2,063      | 1975-79 | 2.5                        |
| 1964 | 1,609      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 1,652      | 1976                       | 2,114      |         |                            |
| 1966 | 1,708      | 1977                       | 2,168      |         |                            |
| 1967 | 1,755      |                            |            |         |                            |
| 1968 | 1,783      | 1978                       | 2,225      |         |                            |
| 1969 | 1,812      | 1979                       | 2,284      |         |                            |

**NOTES:** 1950-79—Estimated and projected based on the 1975 census population and estimated and projected fertility, mortality, and migration trends. Fertility and mortality trends were based on estimated vital rates from the 1959-60 survey (*UNDP 1965*, tables 6 and 13; and France, 1961, p. 23) and estimated and projected trends in vital rates from the U.N. (1979a, pp. 47 and 52). Migration was estimated based on the number of refugees entering and leaving the Central African Republic as reported in U.N., General Assembly, various issues, 1962 to 1979. Migration was assumed to be insignificant after 1975.

#### MAJOR SOURCES

Adegbola, O. 1977. "New Estimates of Fertility and Child Mortality in Africa South of the Sahara." *Population Studies*, vol. 31, no. 3, Nov.

France. Secrétariat d'Etat aux relations avec les Etats de la Communauté. 1961. *Données de Base sur la Situation Démographique*. Paris.

Page, H. J. and A. J. Coale. 1972. "Fertility and Child Mortality South of the Sahara." *Population Growth and Economic Development in Africa*, eds. S. H. Ominde and C. N. Ejiogu, Heinemann Educational Books. London.

United Nations. 1979a. *World Population Trends and Prospects by Country 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

\_\_\_\_\_. 1979b. Personal communication.

United Nations. General Assembly. Various issues 1962 to 1978a. *Report of the United Nations High Commissioner for Refugees*. New York.

\_\_\_\_\_. 1978b. *Report on UNHCR Assistance Activities in 1977-78 and Proposed Voluntary Funds, Programmes and Budget for 1979*. A/AC.96/553. New York.

United Nations. High Commissioner for Refugees. 1979. *UNHCR*. Spring. Geneva.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Estimated population, survey of December 1963-August 1964..... | 3,254,000 |
| 2. Adjusted population, survey of December 1963-August 1964.....  | NA        |
| 3. Births per 1,000 population, 1963-64.....                      | 45-54     |
| 4. Deaths per 1,000 population, 1963-64.....                      | 31        |
| 5. Annual rate of growth, 1963-64 (percent).....                  | 1.4-2.3   |
| 6. Life expectancy at birth, 1963-64.....                         | 31        |
| 7. Infant deaths per 1,000 live births, 1963-64.....              | 180-200   |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 4,528,000 |
| 9. Births per 1,000 population, 1978.....      | 45-54     |
| 10. Deaths per 1,000 population, 1978.....     | 24-28     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.1-2.6   |

## NOTES:

1. Estimated de jure population as reported in the 1963-64 survey. Includes the survey population of 2,524,000 and estimates of 100,000 for N'Djamena (formerly Fort-Lamy) and 630,000 for six areas not covered by the survey (Chad and France, 1966, pp. 24-25).
2. The 1963-64 survey has not been evaluated for possible coverage error.
3. Lower bound of range is from the 1963-64 survey report (Chad and France, 1966, p. 146). Upper bound of range estimated by Adegbola (1977, p. 481) based on a stable population technique using the Trussell mortality estimate of  $l_2$  and the proportion of population under age 15 from the 1963-64 survey.
4. Estimate as reported in the 1963-64 survey (Chad and France, 1966, p. 157).
5. Range of variation given possible combinations of crude birth and death rates.
6. Estimate as reported in life table for the 1963-64 survey population by Chad and France (1966, table 112, p. 161).
7. Estimated range of variation based on infant deaths in the 12 months preceding the 1963-64 survey as reported by Chad and France (1977, p. 156).
8. See notes for Midyear Population Estimates.
9. Projected range of variation assuming no significant change in fertility since 1963-64.
10. Projected range of variation based on assumed trend of mortality since 1963-64, which takes into consideration alternative U.N. estimates.
11. Projected range of variation given selected combinations of unrounded crude birth and death rates (45.0 and 24.0 per 1,000 population and 54.0 and 28.0 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 2,495      | 1968 | 3,555      | 1950-55 | 1.8                        |
| 1955                       | 2,735      | 1969 | 3,630      | 1955-60 | 1.9                        |
| 1960                       | 3,014      | 1970 | 3,707      | 1960-65 | 2.0                        |
| 1961                       | 3,075      | 1971 | 3,788      | 1965-70 | 2.1                        |
| 1962                       | 3,137      | 1972 | 3,870      | 1970-75 | 2.2                        |
| 1963                       | 3,200      | 1973 | 3,956      | 1975-79 | 2.3                        |
| 1964                       | 3,268      | 1974 | 4,044      |         |                            |
| <b>PROJECTED ESTIMATES</b> |            | 1975 | 4,134      |         |                            |
| 1965                       | 3,338      | 1976 | 4,228      |         |                            |
| 1966                       | 3,408      | 1977 | 4,324      |         |                            |
| 1967                       | 3,481      | 1978 | 4,425      |         |                            |
|                            |            | 1979 | 4,528      |         |                            |

**NOTES:** 1950-79--Estimated and projected based on the 1963-64 survey and assumed trends in fertility and mortality.

#### MAJOR SOURCES

Adegbola, O. 1977. "New Estimates of Fertility and Child Mortality in Africa, South of the Sahara." *Population Studies*, vol. 31, no. 3 (November).

Chad, Service de Statistique; and France, INSEE, Service de Coopération. 1966. *Enquête Démographique au Tchad, 1964. Résultats Définitifs*. Tome 1, *Analyse des Résultats*. Tome 2, *Tableaux Statistiques Détaillés*. Paris.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of July-September 1966..... | 244,905 |
| 2. Adjusted population, census of July-September 1966.....   | NA      |
| 3. Births per 1,000 population, 1966.....                    | 45      |
| 4. Deaths per 1,000 population, 1966.....                    | 20      |
| 5. Annual rate of growth, 1966 (percent).....                | 2.5     |
| 6. Life expectancy at birth, 1966.....                       | 46      |
| 7. Infant deaths per 1,000 live births, 1966.....            | NA      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 359,000 |
| 9. Births per 1,000 population, 1978.....      | 41-44   |
| 10. Deaths per 1,000 population, 1978.....     | 17-19   |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3-2.7 |

## NOTES:

1. Census population derived from the 100 percent enumeration as reported in France, 1968, table 1. A population figure of 259,235 is available from a 20 percent sample enumeration. The census report states that the complete count figure should be taken as a minimum and the sample count figure should be considered slightly overestimated (France, 1968, p. 2).
2. The 1966 census has not been evaluated for possible coverage error.
- 3-4. Adjusted rates based on 1966 census data as reported in France, no date, p. 71.
5. Difference between crude birth and death rates.
6. Official estimate as reported by France (no date, p. 74).
7. Data not available. Using a life expectancy at birth of 46 and Coale-Demeny south region model life tables, an infant mortality rate of 148 can be estimated for 1966.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1966.
11. Range of variation given selected combinations of unrounded crude birth and death rates (41.3 and 18.5 per 1,000 population and 44.2 and 17.3 per 1,000 population, respectively). The average annual growth rate (3.8 percent) for the 1975-79 period is much higher than the 1978 calendar-year growth rate due to the repatriation of 15,000 Comorans from Madagascar in early 1977.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 171        | 1968 | 257        | 1950-55 | 2.1                        |
| 1955                       | 189        | 1969 | 263        | 1955-60 | 2.2                        |
| 1960                       | 212        | 1970 | 270        | 1960-65 | 2.4                        |
| 1961                       | 217        | 1971 | 277        | 1965-70 | 2.5                        |
| 1962                       | 222        | 1972 | 285        | 1970-75 | 2.6                        |
| 1963                       | 227        | 1973 | 292        | 1975-79 | 3.8                        |
| 1964                       | 232        | 1974 | 300        |         |                            |
| 1965                       | 238        | 1975 | 308        |         |                            |
| 1966                       | 244        | 1976 | 316        |         |                            |
|                            |            | 1977 | 340        |         |                            |
| <b>PROJECTED ESTIMATES</b> |            |      |            |         |                            |
|                            |            | 1978 | 349        |         |                            |
| 1967                       | 250        | 1979 | 359        |         |                            |

**NOTES:** 1950-66—Based on the 1966 census figure (complete count) and estimated trends in fertility and mortality based on vital rates for 1958 and 1966 adjusted by France (no date, p. 71).

1967-79—Projected by the component method based on the 1966 census. Fertility was assumed to be constant, mortality to be gradually declining, and migration to be nil except in early 1977 when 15,000 Comorans were repatriated from Madagascar (U.N., 1977).

#### MAJOR SOURCES

France. INSEE. 1967. *Recensement de la Population des Comores 1966 (Principaux Résultats)*. Paris.

\_\_\_\_\_. 1968. *Résultats Statistiques du Recensement Général de la Population des Comores Effectué en Juillet-Septembre 1966*. Paris.

\_\_\_\_\_. [1978]. *Recensement Général de la Population de Mayotte du 15 Juillet 1978. Répartition Géographique de la Population et des Logements*. Paris.

\_\_\_\_\_. no date. *Annuaire des Territoires d'Outre-Mer 1969-1971*. Paris.

United Nations. High Commissioner for Refugees. 1977. *UNHCR*, no. 1, February. Geneva.

**BENCHMARK DATA**

|   |           |
|---|-----------|
| 1. Enumerated population, census of February 7, 1974..... | 1,300,120 |
| 2. Adjusted population, census of February 7, 1974.....   | NA        |
| 3. Births per 1,000 population, 1973-74.....              | 43-46     |
| 4. Deaths per 1,000 population, 1960-61.....              | 24        |
| 5. Annual rate of growth, 1960-61 (percent).....          | 2.0-2.2   |
| 6. Life expectancy at birth, 1954-55.....                 | 37-40     |
| 7. Infant deaths per 1,000 live births, 1954-55.....      | 180       |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 1,508,000 |
| 9. Births per 1,000 population, 1978.....      | 43-46     |
| 10. Deaths per 1,000 population, 1978.....     | 17-18     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.5-2.8   |

**NOTES:**

1. Provisional census figure as reported in *PVSR October 1979*.
2. The 1974 census has not been evaluated for possible coverage error.
3. Based on data from the 1974 census as reported in Randretsa and Razafimandimby, 1979, table 15. The lower bound is based on an adjustment by applying Coale-Trussell model fertility schedules to data from the 1974 census. The upper bound is based on an application of the Brass fertility technique ( $P_3/F_3$  ratio) to data from the 1974 census.
4. Estimated rate as reported for the 1960-61 survey (Congo and France, 1965, p. 55). The 1960-61 survey data excluded the cities of Pointe-Noire and Brazzaville, which together contained approximately 24 percent of the total population (Congo and France, 1965, table 4).
5. Difference between unrounded crude birth and death rates for 1960-61 (44.2 and 24.4 per 1,000 population and 46.5 and 24.4 per 1,000 population, respectively). The lower bound of the range in crude birth rates is based on an estimated crude birth rate of 44 per 1,000 from a stable population analysis of the 1960-61 survey data (excluding Brazzaville and Pointe-Noire) by Page and Coale (1972, table 9.1-b), a rate of 52 per 1,000 reported for the 1961 census of Brazzaville (France, 1967, Part II, table 23), and a rate of 58 per 1,000 reported for the 1962 sample survey of Pointe-Noire (France, 1967, Part II, table 23). Upper bound of the range is based on a reported rate of 41 for the 1960-61 survey (Congo and France, 1965, table I-28), and on the rates of 52 and 58 per 1,000 for Brazzaville and Pointe-Noire, respectively.
6. Based on an estimated infant mortality rate (see note 7) and corresponding Coale-Demeny north and west region model life tables. The 1960-61 survey data exclude the cities of Pointe-Noire and Brazzaville.
7. Based on an application of the Feeney mortality technique applied to the 1960-61 survey data (Congo and France, 1965, tables 22 and 25). The 1960-61 survey data exclude the cities of Pointe-Noire and Brazzaville.
8. See notes for Midyear Population Estimates.
9. Projected range of variation assuming no significant change in fertility since 1973-74.
10. Projected range of variation based on assumed trend of mortality since 1960-61 taking into consideration trends in mortality estimated and projected by the U.N. (1979, annex tables 2-A, 7, and 9).
11. Range of variation given possible combinations of unrounded crude birth and death rates.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 768        | 1970                       | 1,183      | 1950-55 | 1.8                        |
| 1955 | 840        | 1971                       | 1,214      | 1955-60 | 2.1                        |
| 1960 | 931        | 1972                       | 1,246      | 1960-65 | 2.3                        |
| 1961 | 952        | 1973                       | 1,279      | 1965-70 | 2.5                        |
| 1962 | 974        |                            |            | 1970-75 | 2.6                        |
|      |            |                            |            | 1975-79 | 2.8                        |
| 1963 | 996        | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1964 | 1,020      | 1974                       | 1,314      |         |                            |
| 1965 | 1,044      | 1975                       | 1,349      |         |                            |
| 1966 | 1,070      | 1976                       | 1,386      |         |                            |
| 1967 | 1,096      | 1977                       | 1,425      |         |                            |
| 1968 | 1,124      | 1978                       | 1,466      |         |                            |
| 1969 | 1,153      | 1979                       | 1,508      |         |                            |

**NOTES:** 1950-73—Based on the 1974 census population and assumed fertility and mortality trends since 1950. The trend in fertility was based on crude birth rates from the 1960-61 survey and the 1974 census. The trend in mortality was based on the trend of crude death rates estimated and projected by the U.N. (1979, pp. 47, 52, 83, and 94) and the estimated crude death rate based on the 1960-61 survey.

1974-79—Projected assuming a continuation of the assumed trend in fertility and mortality since 1973.

#### MAJOR SOURCES

Congo, Service de Statistique; and France, INSEE, Service de Coopération. 1965. *Enquête Démographique 1960-61. Résultats Définitifs*. Paris.

France. INSEE. 1967. *Afrique Noire, Madagascar, Comores, Démographie Comparée*. Tome I. Paris.

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Randretsa, Iarivony and Razafimandimby, A. Claude. 1979. "La Fécondité du Congo d'après les Résultats du Recensement de Février 1974." Paper presented at the National Academy of Sciences Workshop of the Tropical Africa panel in Yaoundé, Cameroon.

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## BENCHMARK DATA

|  |        |
|--|--------|
| 1. Enumerated population, census of 1960-61..... | 81,200 |
| 2. Adjusted population, census of 1960-61.....   | NA     |
| 3. Births per 1,000 population.....              | NA     |
| 4. Deaths per 1,000 population.....              | NA     |
| 5. Annual rate of growth.....                    | NA     |
| 6. Life expectancy at birth.....                 | NA     |
| 7. Infant deaths per 1,000 live births.....      | NA     |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 386,000 |
| 9. Births per 1,000 population, 1978.....      | 48-50   |
| 10. Deaths per 1,000 population, 1978.....     | 20-25   |
| 11. Annual rate of growth, 1978 (percent)..... | 8.5-9.8 |

## NOTES:

1. Final census figure as reported in *PVSR July 1979*.
2. The 1960-61 census has not been evaluated for possible coverage error.
- 3-4. Data not available. Based on incomplete registration for 1970, a crude birth rate of 42 and a crude death rate of 8 per 1,000 population are reported in *PVSR July 1979*.
- 5-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Range of variation considering U.N. projected vital rates (high, medium, and low variants) for Somalia and Ethiopia as reported in U.N., 1979.
11. Range of variation given selected combinations of unrounded crude birth, death, and net immigration rates (49.7, 24.7, and 60 per 1,000 population and 48.3, 19.8, and 70 per 1,000 population, respectively).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 62         | 1968 | 135        | 1950-55 | 2.4                        |
| 1955                       | 70         | 1969 | 147        | 1955-60 | 3.1                        |
| 1960                       | 81         | 1970 | 160        | 1960-65 | 5.6                        |
|                            |            | 1971 | 175        | 1965-70 | 8.0                        |
|                            |            | 1972 | 190        | 1970-75 | 9.3                        |
| <b>PROJECTED ESTIMATES</b> |            |      |            |         |                            |
| 1961                       | 85         | 1973 | 208        | 1975-79 | 10.4                       |
| 1962                       | 89         | 1974 | 228        |         |                            |
| 1963                       | 94         | 1975 | 254        |         |                            |
| 1964                       | 100        | 1976 | 286        |         |                            |
| 1965                       | 107        | 1977 | 320        |         |                            |
| 1966                       | 116        | 1978 | 351        |         |                            |
| 1967                       | 125        | 1979 | 386        |         |                            |

**NOTES:** 1950-60—Based on the 1960-61 census and assumed trends in fertility, mortality, and migration.

1961-79—Projected based on the 1960-61 census, official population estimates for 1967 (INSEE, no date, p. 41) and 1977 (U.N., 1978, p. 6), and an assumed trend in growth rates during the period. The 1977 official estimate was adjusted to include an estimated 20,000 refugees in the country (U.N., High Commissioner for Refugees, 1979).

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Baisset, Claire. 1979. "Reportage on Refugees in the Horn of Africa." *Translations on Sub-Saharan Africa*. U.S. Joint Publications Research Service, no. 2111, May 25. [Washington, D.C.]

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\_\_\_\_\_. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

United Nations. High Commissioner for Refugees. 1979. *UNHCR*. Spring. Geneva.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of November 22, 1976..... | 38,228,180 |
| 2. Adjusted population, census of November 22, 1976.....   | NA         |
| 3. Births per 1,000 population, 1978.....                  | 39         |
| 4. Deaths per 1,000 population, 1978.....                  | 11         |
| 5. Annual rate of growth, 1978 (percent).....              | 2.7        |
| 6. Life expectancy at birth, 1965-67.....                  | 53         |
| 7. Infant deaths per 1,000 live births, 1975.....          | 90         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 40,993,000 |
| 9. Births per 1,000 population, 1978.....      | 39         |
| 10. Deaths per 1,000 population, 1978.....     | 11         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.7        |

## NOTES:

1. Preliminary de jure census figure as reported in Central Agency for Public Mobilisation and Statistics, no date, table 10.
2. The 1976 census has not been evaluated for possible coverage error.
3. Based on registered births (*PVSR October 1979*) adjusted at the U.S. Bureau of the Census for 3 percent underregistration and estimated midyear population. Underregistration was estimated by extrapolating to 1978 levels of underregistration derived by Valaoras (1972) for 1956-60, Hollingsworth (1972) for 1960, Acsadi and Issa (1975) for 1966-70, and CAPMAS (1979) for 1974-75.
4. Based on registered deaths (*PVSR October 1979*) adjusted at the U.S. Bureau of the Census for 8 percent underregistration and estimated midyear population. The adjustment of deaths was based on a trend derived from estimates of underregistration by El-Badry (1965), Valaoras (1972), and Hollingsworth (1972) for the late 1950's and CAPMAS (1979) for the 1974-75 period, extrapolated to 1978.
5. Difference between unrounded crude birth and death rates.
6. Estimated by Acsadi and Issa (1975, tables 15 and 16) based on registered deaths by age and sex.
7. Based on registered infant deaths and births as reported in *PVSR October 1979*. Registered births and deaths were adjusted at the U.S. Bureau of the Census for 4 and 10 percent underregistration, respectively. Estimated underregistration was based on estimates derived by Valaoras (1972) for 1956-60, Hollingsworth (1972) for 1960 and Issa (1972) for 1969, extrapolated to 1978.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 20,480     | 1970                       | 33,011     | 1950-55 | 2.3                        |
| 1955 | 23,033     | 1971                       | 33,703     | 1955-60 | 2.4                        |
| 1960 | 25,944     | 1972                       | 34,411     | 1960-65 | 2.5                        |
| 1961 | 26,587     | 1973                       | 35,149     | 1965-70 | 2.3                        |
| 1962 | 27,252     | 1974                       | 35,966     | 1970-75 | 2.2                        |
| 1963 | 27,939     | 1975                       | 36,861     | 1975-79 | 2.7                        |
| 1964 | 28,649     | 1976                       | 37,835     |         |                            |
| 1965 | 29,384     | 1977                       | 38,838     |         |                            |
| 1966 | 30,130     | 1978                       | 39,889     |         |                            |
| 1967 | 30,897     |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 31,622     | 1979                       | 40,993     |         |                            |
| 1969 | 32,325     |                            |            |         |                            |

**NOTES:** 1950-65—Estimated at the U.S. Bureau of the Census based on the 1947, 1960, and 1966 censuses and assumed trends in fertility and mortality.

1966-78—Estimated based on the 1966 and 1976 censuses and adjusted registered births and deaths.

1979—Projected assuming a continuation of the 1978 growth rate.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source   |
|--------------------|-----------------------|---------------------|--|
| March 26, 1947     | 18,966,767            |                     | The 1947 enumerated population as reported in <i>UNDY 1970</i> , table 7. The 1960, 1966, and 1976 enumerated populations as reported in CAPMAS, no date, table 2. The 1976 population is de jure. |
| September 20, 1960 | 26,085,326            |                     |  |
| May 30, 1966       | 30,075,858            |                     |  |
| November 22, 1976  | 38,228,180            |                     |  |

#### MAJOR SOURCES

Acsadi, G. and M. S. Issa. 1975. "Considerations on Arabic Model Life Tables and Egyptian Mortality." Paper presented at the Cairo Demographic Centre Seminar on Mortality Trends and Differentials in Some Arab and African Countries, December 17-23. Cairo.

Central Agency for Public Mobilisation and Statistics (CAPMAS). 1979. "A Statement on the Population of the Arab Republic of Egypt." Mimeo. June 9. Cairo.

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El-Badry, M. A. 1965. "Trends in the Components of Population Growth in the Arab Countries of the Middle East: A Survey of Present Information." *Demography*, vol. 2, pp. 140-186.

Hollingsworth, Thomas H. 1972. "The Egyptian Birth Rate and Its Sex Ratio." *Egyptian Population and Family Planning Review*, vol. 5, no. 2, Dec., pp. 115-130.

Issa, Mahmoud S. 1972. "An Analysis of Exogenous and Endogenous Infant Mortality in Egypt." *Population Researches and Studies*, vol. 1, no. 2, Jan., pp. 1-24.

Valaoras, V. G. 1972. "Population Analysis of Egypt (1935-1970) with Special Reference to Mortality." Occasional Paper no. 1. Cairo Demographic Centre. Cairo.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of December 31, 1960..... | 245,989 |
| 2. Adjusted population, census of December 31, 1960.....   | NA      |
| 3. Births per 1,000 population.....                        | NA      |
| 4. Deaths per 1,000 population.....                        | NA      |
| 5. Annual rate of growth.....                              | NA      |
| 6. Life expectancy at birth.....                           | NA      |
| 7. Infant deaths per 1,000 live births.....                | NA      |

## PROJECTED ESTIMATES \*

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 244,000 |
| 9. Births per 1,000 population, 1978.....      | 41-42   |
| 10. Deaths per 1,000 population, 1978.....     | 19      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.2-2.3 |

## NOTES:

1. Final census figure as reported in *PVSR October 1979*. A census was taken in July-Oct. 1971, but no results are yet available.
2. The 1960 census has not been evaluated for possible coverage error.
- 3-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-11. Derived by interpolation of 1975-80 and 1980-85 projected rates from U.N. low, medium, and high variant projections (U.N., 1979, annex tables 2-A, 7, and 9).

\*Estimates do not take into account an unknown number of deaths resulting from irregular events which occurred in Equatorial Guinea after the change of government in 1968.

## EQUATORIAL GUINEA

**Midyear Population Estimates and Average Annual Period Growth Rates:  
 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | *Population | Year | *Population | Period  | * Average annual growth rate |
|----------------------------|-------------|------|-------------|---------|------------------------------|
| 1950                       | 211         | 1968 | 280         | 1950-55 | 1.4                          |
| 1955                       | 226         | 1969 | 285         | 1955-60 | 1.5                          |
| 1960                       | 244         | 1970 | 291         | 1960-65 | 1.7                          |
|                            |             | 1971 | 297         | 1965-70 | 1.9                          |
|                            |             | 1972 | 303         | 1970-75 | -1.3                         |
| <b>PROJECTED ESTIMATES</b> |             |      |             | 1975-79 | -2.7                         |
| 1961                       | 248         | 1973 | 309         |         |                              |
| 1962                       | 252         | 1974 | 296         |         |                              |
| 1963                       | 256         | 1975 | 272         |         |                              |
| 1964                       | 260         | 1976 | 228         |         |                              |
| 1965                       | 265         | 1977 | 233         |         |                              |
| 1966                       | 270         | 1978 | 239         |         |                              |
| 1967                       | 275         | 1979 | 244         |         |                              |

**NOTES:** 1950-73—Based on U.N. (1979, annex table 1-C) population estimates which take into account the 1960 census.

1974-79—Projected from the 1973 population estimate taking into consideration trends in the growth rate as indicated by alternative U.N. projections (1979). Estimates reflect emigration from Equatorial Guinea during 1973 to 1976.

**MAJOR SOURCES**

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

\*Estimates do not take into account an unknown number of deaths resulting from irregular events which occurred in Equatorial Guinea after the change of government in 1968.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population.....                        | NA      |
| 2. Adjusted population.....                          | NA      |
| 3. Births per 1,000 population, 1964-70.....         | 43-52   |
| 4. Deaths per 1,000 population, 1964-70.....         | 20-26   |
| 5. Annual rate of growth, 1964-70 (percent).....     | 2.2-2.6 |
| 6. Life expectancy at birth, 1964-70.....            | 36-44   |
| 7. Infant deaths per 1,000 live births, 1964-70..... | 155-200 |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 31,780,000 |
| 9. Births per 1,000 population, 1978.....      | 43-52      |
| 10. Deaths per 1,000 population, 1978.....     | 20-26      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.2-2.6    |

## NOTES:

- No census has been taken in Ethiopia. An official estimate for January 1, 1970, of 24,068,800 persons was reported in Central Statistical Office, 1974, p. 1. The estimate is based primarily on the second round of the National Sample Survey (NSS), 1968-71, and supplemented by the first round of the NSS for areas not covered in the second round and by the 1956 population head count by the Ministry of Interior for areas not covered in either round of the survey.
- The population data from the second round of the National Sample Survey have not been evaluated for possible coverage error.
- The lower bound of the range is an adjusted rate derived by applying the Brass fertility technique to data from the second round (1968-71) of the National Sample Survey (Central Statistical Office, 1974, p. 67). The upper bound is an adjusted rate derived using stable population analysis and data from the first round (1964-67) of the National Sample Survey (U.N., ECA, 1972, table 2C).
- The lower bound of the range is an adjusted rate derived by applying the Brass mortality technique and stable population analysis to data from the second round of the NSS (Central Statistical Office, 1974, p. 71). The upper bound is an adjusted rate derived using stable population analysis and data from the first round (1964-67) of the National Sample Survey (U.N., ECA, 1973, table II).
- Difference between selected combinations of unrounded crude birth and death rates which fall within the ranges given in items 3 and 4 (i.e., 44.0 and 22.0 per 1,000 population and 50.0 and 24.5 per 1,000 population, respectively).
- The lower and upper bounds of the range are from official life tables based on results from the second and first rounds, respectively, of the National Sample Survey (Central Statistical Office, 1974, pp. 95-97; and U.N., ESOB and WHO, 1972, p. 5). These life tables were derived using adjusted infant and childhood mortality rates and stable population analysis.
- The lower and upper bounds of the range are adjusted rates from the second and first rounds, respectively, of the National Sample Survey (U.N., ECA, 1973, table II). Both rates were derived using the Brass mortality technique.
- See notes for Midyear Population Estimates.
- 9-10. Projected range of variation assuming no significant change in fertility or mortality since 1964-70.
11. Projected assuming no significant change in the 1964-70 growth rate.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 16,251     | 1970                       | 25,450     | 1950-55 | 2.1                        |
| 1955 | 18,009     | <b>PROJECTED ESTIMATES</b> |            | 1955-60 | 2.2                        |
| 1960 | 20,093     | 1971                       | 26,078     | 1960-65 | 2.3                        |
| 1961 | 20,552     | 1972                       | 26,725     | 1965-70 | 2.4                        |
| 1962 | 21,025     | 1973                       | 27,387     | 1970-75 | 2.5                        |
| 1963 | 21,516     | 1974                       | 28,069     | 1975-79 | 2.5                        |
| 1964 | 22,025     | 1975                       | 28,770     |         |                            |
| 1965 | 22,550     | 1976                       | 29,490     |         |                            |
| 1966 | 23,096     | 1977                       | 30,230     |         |                            |
| 1967 | 23,660     |                            |            |         |                            |
| 1968 | 24,239     | 1978                       | 30,992     |         |                            |
| 1969 | 24,836     | 1979                       | 31,780     |         |                            |

**NOTES:** 1950-70—Based on U.N. (1979) estimates for 1950, 1955, 1960, 1965, and 1970 and assumed trends in annual growth rates. The U.N. estimates are consistent with a January 1970 official population estimate of 25,046,000 (reported to the U.N. Statistical Office in 1978).

1971-79—Based on U.N. (1979) estimates and projections for 1970, 1975, and 1980 (medium variant) and assumed trends in annual growth rates.

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Central Statistical Office. 1974. *Results of the National Sample Survey Second Round*, vol. 1. *The Demography of Ethiopia*. Statistical Bulletin 10. Addis Ababa.

\_\_\_\_\_. [1975]. *Statistical Abstract of Ethiopia 1975*. Addis Ababa.

\_\_\_\_\_. no date. *Statistical Abstract 1971*. Addis Ababa.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

\_\_\_\_\_. Economic Commission for Africa (ECA). 1972. *Levels and Trends of Fertility in the Countries of Africa*. E/CN.14/POP/75. New York.

\_\_\_\_\_. ECA. 1973. *Country Statement: Ethiopia*. POP/INF/132. Accra.

\_\_\_\_\_. ECA; and France, INSEE. 1971. *Macro-Case Study: Ethiopia*, by Maaza Bekele and Lars Bondestam. Pop. Conf. 1/4. African Population Conference. Accra.

\_\_\_\_\_. Economic and Social Office in Beirut (ESOB); and World Health Organization (WHO). 1972. *The Mortality Situation in Ethiopia*, by Abdulahi Hasan. ESOB-WHO EMR/MORT/CP.4. Beirut.

## BENCHMARK DATA

|   |         |
|---|---------|
| 1. Enumerated population, census of October 8, 1960-May 1961..... | 448,564 |
| 2. Adjusted population, census of October 8, 1960-May 1961.....   | NA      |
| 3. Births per 1,000 population, 1960-61.....                      | 31-36   |
| 4. Deaths per 1,000 population, 1960-61.....                      | 25-30   |
| 5. Annual rate of growth, 1960-61 (percent).....                  | 0.1-1.1 |
| 6. Life expectancy at birth, 1960-61.....                         | 32      |
| 7. Infant deaths per 1,000 live births, 1960-61.....              | 229     |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 637,000 |
| 9. Births per 1,000 population, 1978.....      | 31-36   |
| 10. Deaths per 1,000 population, 1978.....     | 21-22   |
| 11. Annual rate of growth, 1978 (percent)..... | 0.9-1.4 |

## NOTES:

- Final census figure as reported in *PVSR October 1979*. A census was taken in 1969-70 but results were never officially published. However, a population figure of 950,000 has been cited (e.g., see U.S., JPRS, 1977, p. 27).
- The 1960-61 census has not been evaluated for possible coverage error.
- Lower bound of range was estimated by U.N. (1972, table 2B) "from [1960-61] survey data on reported births [and] the number of children ever born." Upper bound of range was derived at the U.S. Bureau of the Census based on officially adjusted age-specific fertility rates and adjusted female population by age from the 1960-61 survey (SS and France, 1965, tables 112 and 116, respectively).
- Lower bound of range is an INSEE adjusted estimate of the 1960-61 survey crude death rate as reported in U.N., 1968, table 3. Upper bound of range is the official unadjusted estimate of the crude death rate for the 1960-61 survey (SS and France, 1965, table 67).
- Range of variation given possible combinations of unrounded crude birth and death rates.
- 6-7. Derived from official life tables based on an analysis of age-specific mortality rates from the 1960-61 survey (SS and France, 1965, table 61). These estimates correspond to the upper bound of the estimated crude death rate range for 1960-61. Corresponding estimates were not available for the lower bound.
- See notes for Midyear Population Estimates.
- Projected range of variation assuming no significant change in fertility since 1960-61.
- Projected range of variation based on assumed trend of mortality since 1960-61.
- Range of variation given possible combinations of unrounded crude birth and death rates. The average annual growth rate (3.7 percent) for the 1975-79 period is much higher than the 1978 calendar year growth rate due to the movement of refugees into Gabon from 1973 to 1977.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 416        | 1968 | 483        | 1950-55 | 0.6                        |
| 1955                       | 429        | 1969 | 488        | 1955-60 | 0.8                        |
| 1960                       | 446        | 1970 | 493        | 1960-65 | 1.0                        |
|                            |            | 1971 | 498        | 1965-70 | 1.0                        |
|                            |            | 1972 | 503        | 1970-75 | 2.2                        |
| <b>PROJECTED ESTIMATES</b> |            |      |            | 1975-79 | 3.7                        |
| 1961                       | 450        | 1973 | 508        |         |                            |
| 1962                       | 455        | 1974 | 515        |         |                            |
| 1963                       | 460        | 1975 | 550        |         |                            |
| 1964                       | 464        | 1976 | 586        |         |                            |
| 1965                       | 469        | 1977 | 622        |         |                            |
| 1966                       | 474        | 1978 | 629        |         |                            |
| 1967                       | 478        | 1979 | 637        |         |                            |

**NOTES:** 1950-60—Based on the 1960-61 census and assumed trends in fertility and mortality.  
1961-79—Projected based on the 1960-61 census and assumed trends in fertility, mortality, and migration. Estimates reflect refugees entering Gabon from 1973 to 1977.

#### MAJOR SOURCES

Gabon, Service National de la Statistique (SNS). 1964. *Recensement de la Population 1960-61*, vol. 1. *Données d'Ensemble*. Libreville.

Gabon, Service de Statistique (SS); and France, INSEE, Service de Coopération. 1965. *Recensement et Enquête Démographique 1960-61. Résultats Définitifs. Ensemble du Gabon*. Paris.

United Nations. 1968. *Evaluation of Basic Demographic Data in Some French-Speaking African Countries*. Working Paper No. 16. New York.

United Nations. Economic and Social Council. 1972. *Levels and Trends of Fertility in the Countries of Africa*. Paper prepared by the U.N. Population Division for the Economic Commission for Africa, Working Group on Fertility Levels and Differentials, and Prospects for the Future. Addis Ababa, December 18-22. E/CN.14/POP/75. [New York.]

United States. Joint Publications Research Service (JPRS). 1977. *Translations on Sub-Saharan Africa*. GUO No. 535. February 22. Arlington.

## BENCHMARK DATA

|   |         |
|---|---------|
| 1. Enumerated population, census of April 22, 1973..... | 493,499 |
| 2. Adjusted population, census of April 22, 1973.....   | NA      |
| 3. Births per 1,000 population, 1973.....               | 49      |
| 4. Deaths per 1,000 population, 1973.....               | 29      |
| 5. Annual rate of growth, 1973 (percent).....           | 2.7     |
| 6. Life expectancy at birth, 1973.....                  | 34      |
| 7. Infant deaths per 1,000 live births, 1973.....       | 217     |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 585,000 |
| 9. Births per 1,000 population, 1978.....      | 48-50   |
| 10. Deaths per 1,000 population, 1978.....     | 28      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.7-2.9 |

## NOTES:

1. Final census figure as reported by the Central Statistics Division (1976, p. 26).
2. The 1973 census has not been evaluated for possible coverage error.
3. Estimated based on an application of the Brass fertility technique (average of  $P_1/F_1$  and  $P_2/F_2$  ratios) to 1973 census data, and the female population adjusted for age misstatement (Blacker, 1974; and Central Statistics Division, pp. 67 and 704-705).
4. Estimated based on life table central death rates (see note 6) and the 1973 census age-sex distribution adjusted for age misstatement.
5. Based on the difference between unrounded crude birth, death, and net migration rates. The net immigration rate of 7 per 1,000 was estimated from the foreign-born population for the 1963-73 intercensal period (Central Statistics Division, 1976, pp. 67-70).
- 6-7. From life tables derived at the U.S. Bureau of the Census from probabilities of dying, by age and sex, based on estimates of infant and child mortality using the Brass mortality technique; adult mortality based on the orphanhood technique; and logits of the Brass African standard life tables (Central Statistics Division, 1976, p. 61), and assuming a sex ratio at birth of 1.05.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1973.
11. Range of variation given selected combinations of crude birth and death rates and net immigration rates (48.3, 27.8, and 6.9 per 1,000 population and 50.0, 28.2, and 6.9 per 1,000 population, respectively). The net immigration rate was estimated by the Central Statistics Division (1976, pp. 67-70) from the foreign-born population for the 1963-73 intercensal period.

## THE GAMBIA

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 282        | 1970                       | 458        | 1950-55 | 2.3                        |
| 1955 | 317        | 1971                       | 470        | 1955-60 | 2.4                        |
| 1960 | 357        | 1972                       | 483        | 1960-65 | 2.5                        |
| 1961 | 365        | 1973                       | 496        | 1965-70 | 2.5                        |
| 1962 | 375        |                            |            | 1970-75 | 2.7                        |
| 1963 | 384        | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 2.8                        |
| 1964 | 394        | 1974                       | 510        |         |                            |
| 1965 | 404        | 1975                       | 524        |         |                            |
| 1966 | 414        | 1976                       | 538        |         |                            |
| 1967 | 425        | 1977                       | 554        |         |                            |
| 1968 | 436        | 1978                       | 569        |         |                            |
| 1969 | 447        | 1979                       | 585        |         |                            |

**NOTES:** 1950-73—Based on the adjusted 1963 census and unadjusted 1973 census populations and assumed trends in fertility, mortality, and migration. The Central Statistics Division (1976, p. 68) estimates that net average annual immigration for the 1963-73 intercensal period was approximately 7 per 1,000 population.

1974-79—Projected based on assumed trends in fertility, mortality, and migration since 1973.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| April 17-18, 1963 | 315,486               | 382,242             | The 1963 enumerated and adjusted census populations as reported in Central Statistics Division (1976, pp. 26 and 68-69, respectively). The adjustment was made by applying the reverse survival technique to the 1973 census population, implying 17.5 percent underenumeration in 1963. The 1973 enumerated census population as reported in Central Statistics Division (1976, p. 26). |
| April 22, 1973    | 493,499               |                     |  |

#### MAJOR SOURCES

Blacker, J. G. C. 1974. "Population Growth in the Gambia." Unpublished paper.

Central Statistics Division. 1976. *Population Census 1973: Statistics for Local Government Areas and Districts*, vol. III. Banjul.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of March 1, 1970..... | 8,559,313 |
| 2. Adjusted population, census of March 1, 1970.....   | 8,697,000 |
| 3. Births per 1,000 population, 1970.....              | 48        |
| 4. Deaths per 1,000 population, 1970.....              | 17        |
| 5. Annual rate of growth, 1970 (percent).....          | 1.8       |
| 6. Life expectancy at birth, 1970.....                 | 49        |
| 7. Infant deaths per 1,000 live births, 1970.....      | 115       |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 11,742,000 |
| 9. Births per 1,000 population, 1978.....      | 44-48      |
| 10. Deaths per 1,000 population, 1978.....     | 13-14      |
| 11. Annual rate of growth, 1978 (percent)..... | 3.1-3.4    |

## NOTES:

1. Final census figure as reported in Census Office, 1975c.
2. Census population adjusted for 1.6 percent net underenumeration (U.S. Bureau of the Census, 1977).
3. Based on 1970 estimated age-specific fertility rates and adjusted population, by age and sex (U.S. Bureau of the Census, 1977).
4. Based on 1970 estimated age-specific central death rates and adjusted population, by age and sex (U.S. Bureau of the Census, 1977).
5. Difference between unrounded crude birth and death rates and a net emigration rate of 13.9 per 1,000 population (see notes for Midyear Population Estimates).
- 6-7. Derived from 1970 estimated life tables (U.S. Bureau of the Census, 1977).
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1970.
11. Range of variation given selected combinations of unrounded crude birth and death rates (44.5 and 13.4 per 1,000 population; and 47.8 and 13.7 per 1,000 population, respectively).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 5,297      |                            |            | 1950-55 | 2.7                        |
| 1955 | 6,049      | <b>PROJECTED ESTIMATES</b> |            | 1955-60 | 2.8                        |
| 1960 | 6,958      | 1970                       | 8,789      | 1960-65 | 2.8                        |
| 1961 | 7,154      | 1971                       | 9,068      | 1965-70 | 1.9                        |
| 1962 | 7,355      | 1972                       | 9,360      | 1970-75 | 3.2                        |
| 1963 | 7,564      | 1973                       | 9,663      | 1975-79 | 3.3                        |
| 1964 | 7,782      | 1974                       | 9,979      |         |                            |
| 1965 | 8,010      | 1975                       | 10,308     |         |                            |
| 1966 | 8,245      | 1976                       | 10,650     |         |                            |
| 1967 | 8,490      | 1977                       | 11,002     |         |                            |
| 1968 | 8,744      | 1978                       | 11,366     |         |                            |
| 1969 | 9,009      | 1979                       | 11,742     |         |                            |

**NOTES:** 1950-70—Based on the 1960 and 1970 adjusted censuses and estimated fertility, mortality, and migration trends since 1950. On Nov. 18, 1969, the "Aliens Compliance Order" gave all aliens two weeks to leave the country or obtain a residence permit (see Peil, 1974, p. 367). Estimates of the number of aliens leaving Ghana are based on assumed trends in fertility, mortality, and migration during the 1960-70 decade. It was estimated by the U.S. Bureau of the Census (1977) that approximately 500,000 aliens left the country between Nov. 1969 and Mar. 1970.

1971-79—Projected by the component method based on the 1970 adjusted midyear population (U.S. Bureau of the Census, 1977).

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source   |
|----------------|-----------------------|---------------------|--|
| March 20, 1960 | 6,726,815             | 6,903,000           | Enumerated populations for 1960 and 1970 as reported in <i>UNDY 1970</i> , table 7; and Ghana, 1975b, table C1 respectively. |
| March 1, 1970  | 8,559,313             | 8,697,000           |  |

The 1960 and 1970 enumerated populations were adjusted at the U.S. Bureau of the Census (1977) for 2.5 percent and 1.6 percent net underenumeration, respectively.

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Peil, Margaret. 1974. "Ghana's Aliens." *International Migration Review*, vol. 8, pp. 367-381.

U.S. Bureau of the Census. 1977. *Country Demographic Profiles—Ghana*. Washington, D.C.

**BENCHMARK DATA**

|   |    |
|---|----|
| 1. Enumerated population.....               | NA |
| 2. Adjusted population.....                 | NA |
| 3. Births per 1,000 population.....         | NA |
| 4. Deaths per 1,000 population.....         | NA |
| 5. Annual rate of growth.....               | NA |
| 6. Life expectancy at birth.....            | NA |
| 7. Infant deaths per 1,000 live births..... | NA |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 5,275,000 |
| 9. Births per 1,000 population, 1978.....      | 43-60     |
| 10. Deaths per 1,000 population, 1978.....     | 21-30     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.2-3.0   |

**NOTES:**

1. No census has been taken in Guinea. An estimated population of 2,570,000 persons is reported from the October 1954-April 1955 survey (France, 1959, p. 1).
2. Data not available.
- 3-7. Data not available. Applying various techniques to the 1954-55 survey data results in a wide range in estimated crude birth and death rates, life expectancy at birth, and infant mortality rates. Estimates of the crude birth rate are 62 per 1,000 population, based on reported births during the 12 months preceding the survey (France, 1959, p. 39); 52 per 1,000 population as derived by Adegbola (1977, p. 482) based on a stable population technique using the Trussell mortality estimate of  $l_2$  and the proportion of population under age 15 from the survey; and 45 per 1,000 population derived at the U.S. Bureau of the Census by applying the Brass fertility technique ( $P_2/E_2$  ratio) to the survey data. The estimates of the crude death rate vary from a high of 40 per 1,000 population based on deaths in the 12 months preceding the survey (op. cit., p. 55) to a low of 31 per 1,000 population derived at the U.S. Bureau of the Census based on the application of stable population analysis, the Brass mortality technique, and Coale-Demeny south region model life tables (by matching  $l_2$  and  $q_2$  values). Estimated life expectancy at birth varies from 32 years, derived at the U.S. Bureau of the Census by applying the Brass mortality technique ( $l_2$ ) to the survey data, to 27 years reported in an empirical life table based on deaths in the 12 months preceding the survey (France, p. 55). Estimates of infant mortality vary from a reported 216 infant deaths per 1,000 live births based on births and deaths in the 12 months preceding the survey (France, table 33, p. 52), to 224 infant deaths per 1,000 live births derived at the U.S. Bureau of the Census by applying the Brass mortality technique ( $l_2$ ) to the survey data. A growth rate of 2.2 percent can be estimated based on births and deaths in the 12 months preceding the survey.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality, which take into consideration various results from the 1954-55 survey, and U.N. medium variant projections (U.N., 1979).
11. Range of variation given selected combinations of crude birth and death rates.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| <b>PROJECTED ESTIMATES</b> |            | 1968 | 3,831      | 1950-55 | 2.1                        |
| 1950                       | 2,466      | 1969 | 3,947      | 1955-60 | 2.3                        |
| 1955                       | 2,734      | 1970 | 4,069      | 1960-65 | 2.7                        |
| 1960                       | 3,067      | 1971 | 4,195      | 1965-70 | 3.0                        |
| 1961                       | 3,148      | 1972 | 4,322      | 1970-75 | 2.9                        |
| 1962                       | 3,230      | 1973 | 4,451      | 1975-79 | 2.8                        |
| 1963                       | 3,319      | 1974 | 4,582      |         |                            |
| 1964                       | 3,413      | 1975 | 4,714      |         |                            |
| 1965                       | 3,510      | 1976 | 4,850      |         |                            |
| 1966                       | 3,613      | 1977 | 4,988      |         |                            |
| 1967                       | 3,720      | 1978 | 5,130      |         |                            |
|                            |            | 1979 | 5,275      |         |                            |

**NOTES:** 1950-79—Projected based on assumed trends in fertility and mortality since the 1954-55 survey which take into consideration alternative U.N. projections (U.N., 1979) and projections made by Condé (1976, p. 125). The 1954-55 stated population figure was not used because it is considered to be underestimated.

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Adegbola, O. 1977. "New Estimates of Fertility and Child Mortality in Africa, South of the Sahara." *Population Studies*, vol. 31, no. 3, Nov.

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**BENCHMARK DATA**

|   |         |
|---|---------|
| 1. Enumerated population, census of April 1979..... | 777,000 |
| 2. Adjusted population, census of April 1979.....   | NA      |
| 3. Births per 1,000 population.....                 | NA      |
| 4. Deaths per 1,000 population.....                 | NA      |
| 5. Annual rate of growth.....                       | NA      |
| 6. Life expectancy at birth.....                    | NA      |
| 7. Infant deaths per 1,000 live births.....         | NA      |

**PROJECTED ESTIMATES**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 638,000 |
| 9. Births per 1,000 population, 1978.....      | 39-41   |
| 10. Deaths per 1,000 population, 1978.....     | 23      |
| 11. Annual rate of growth, 1978 (percent)..... | 1.6-1.8 |

**NOTES:**

1. Provisional census figure as reported in U.S. Department of State, 1980.
2. The 1979 census has not been evaluated for possible coverage error.
3. Data not available. Heisel (1968, p. 461) estimates a crude birth rate of 37 per 1,000 population based on stable population analysis of the age composition of the 1950 census.
4. Data not available. Heisel (1968, p. 461) estimates a crude death rate of 31 per 1,000 population based on the number of children surviving to age 5 and stable population analysis of the 1950 census data.
5. Data not available.
- 6-7. Data not available. Based on an application of the Brass mortality technique to 1950 census data and Coale-Demeny north region model life tables, Heisel (1968, p. 461) estimated a life expectancy at birth of 32 years; and Coale and Lorimer (1968, p. 158) estimated an infant mortality rate of 211 for 1950.
8. See notes for Midyear Population Estimates.
- 9-11. Derived by interpolation of 1970-75 and 1975-80 projected rates from U.N. (1979, annex tables 2-A, 7, and 9) high and low variant projections. The death rate rounds to the same number for both variants.

## GUINEA-BISSAU

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |     |
|------|------------|----------------------------|------------|---------|----------------------------|-----|
| 1950 | 511        | 1970                       | 487        | 1950-55 | 0.1                        |     |
| 1955 | 513        | <b>PROJECTED ESTIMATES</b> |            |         | 1955-60                    | 0.3 |
| 1960 | 520        | 1971                       | 490        | 1960-65 | -1.1                       |     |
| 1961 | 516        | 1972                       | 495        | 1965-70 | -0.2                       |     |
| 1962 | 511        | 1973                       | 502        | 1970-75 | 2.2                        |     |
| 1963 | 504        | 1974                       | 509        | 1975-79 | 3.9                        |     |
| 1964 | 497        | 1975                       | 545        |         |                            |     |
| 1965 | 492        | 1976                       | 591        |         |                            |     |
| 1966 | 488        | 1977                       | 616        |         |                            |     |
| 1967 | 485        |                            |            |         |                            |     |
| 1968 | 484        | 1978                       | 627        |         |                            |     |
| 1969 | 484        | 1979                       | 638        |         |                            |     |

**NOTES:** 1950-70—U.N. estimates as reported in U.N. (1979, annex table 1.6), based on the 1950, 1960, and 1970 censuses.

1971-77—Projected based on interpolations of U.N. (1979, annex tables 1-A and 1-B) medium variant 5-year growth rates. Data were adjusted to account for refugees returning during 1975 and 1976 as reported by the Guinea-Bissau Embassy in the United States (1977) and the U.N. High Commissioner for Refugees (1976a, 1976b, and 1976c).

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| June 15, 1950     | 510,777               |                     | Enumerated populations for 1950 and 1960 as reported in <i>UNDY 1970</i> , table 7; provisional enumerated population for 1970 as reported in <i>PVSR October 1979</i> . |
| December 30, 1960 | 521,336               |                     |  |
| December 15, 1970 | 487,448               |                     |  |

#### MAJOR SOURCES

Coale, Ansley J. and Frank Lorimer. 1968. "Summary of Estimates of Fertility and Mortality." In *The Demography of Tropical Africa*, ed. by William Brass, et al. Princeton University Press. Princeton.

Guinea-Bissau Embassy in the United States. 1977. Personal communication.

Heisel, Don F. 1968. "The Demography of the Portuguese Territories: Angola, Mozambique and Portuguese Guinea." In *The Demography of Tropical Africa*, ed. by William Brass, et al. Princeton University Press. Princeton.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

\_\_\_\_\_. High Commissioner for Refugees. 1976a. "Returnees Bolster National Development." *UNHCR*, no. 1, February. Geneva.

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\_\_\_\_\_. 1976c. "Guinea-Bissau: 70,000 Former Refugees." *UNHCR*, no. 4, July. Geneva.

U.S. Department of State. 1980. Telegram no. BISSAU 0597. Apr.

**BENCHMARK DATA**

|  |           |
|--|-----------|
| 1. Enumerated population, census of April 14-May 15, 1975..... | 6,709,600 |
| 2. Adjusted population.....                                    | NA        |
| 3. Births per 1,000 population.....                            | NA        |
| 4. Deaths per 1,000 population.....                            | NA        |
| 5. Annual rate of growth.....                                  | NA        |
| 6. Life expectancy at birth.....                               | NA        |
| 7. Infant deaths per 1,000 live births.....                    | NA        |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 7,761,000 |
| 9. Births per 1,000 population, 1978.....      | 46-48     |
| 10. Deaths per 1,000 population, 1978.....     | 18        |
| 11. Annual rate of growth, 1978 (percent)..... | 3.3-3.5   |

**NOTES:**

1. Final census figure (*PVSR October 1979*).
2. The 1975 census has not been evaluated for possible coverage error.
3. Data not available. Six rural areas surveyed in 1957-58 are reported in *Ministère du Plan* (1967, p. 129) to have crude birth rates in the range of 45 to 52 per 1,000. Four urban areas surveyed in 1962-63 are reported in the same source to have crude birth rates in the range of 47 to 58 per 1,000.
4. Data not available. Five areas surveyed in 1958 are reported in *Ministère du Plan* (1967, p. 137) to have crude death rates in the range of 26 to 35 per 1,000. A crude death rate for all Ivory Coast of about 29 per 1,000 is estimated for 1962-64 in the same source.
5. Data not available.
6. Data not available. Considering the results of the 1958 survey, a life expectancy at birth of about 33 years was reported in *Ministère du Plan* (1967, p. 137); a life expectancy at birth for all Ivory Coast between 35 and 40 years for 1962-64 was estimated in the same publication.
7. Data not available. Five areas surveyed in 1958 are reported in *Ministère du Plan* (1967, p. 137) to have infant mortality rates in the range of 109 to 210 infant deaths per 1,000 live births.
8. See notes for Midyear Population Estimates.
- 9-11. Based on the 1975-80 projected rates from the U.N. high, medium, and low variant projections and assumed trends in fertility, mortality and migration (U.N., 1979). Death rate figures round to the same number for all three variants.

## IVORY COAST

**Midyear Population Estimates and Average Annual Period Growth Rates:  
 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,860      | 1970                       | 5,424      | 1950-55 | 2.0                        |
| 1955 | 3,164      | 1971                       | 5,697      | 1955-60 | 2.4                        |
| 1960 | 3,564      | 1972                       | 5,971      | 1960-65 | 3.7                        |
| 1961 | 3,684      | 1973                       | 6,240      | 1965-70 | 4.7                        |
| 1962 | 3,811      | 1974                       | 6,497      | 1970-75 | 4.4                        |
| 1963 | 3,959      | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 3.5                        |
| 1964 | 4,116      | 1975                       | 6,754      |         |                            |
| 1965 | 4,288      | 1976                       | 7,008      |         |                            |
| 1966 | 4,481      | 1977                       | 7,258      |         |                            |
| 1967 | 4,692      |                            |            |         |                            |
| 1968 | 4,923      | 1978                       | 7,509      |         |                            |
| 1969 | 5,165      | 1979                       | 7,761      |         |                            |

**NOTES:** 1950-79—Estimated and projected based on the 1975 census and assumed trends in fertility, mortality and migration, which take into consideration results from the 1955-58 survey, and alternative U.N. projections.

**MAJOR SOURCES**

Ministère du Plan. 1967. *Côte d'Ivoire 1965, Population: Etudes Régionales 1962-1965, Synthèse*. Abidjan.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of August 1979..... | 15,322,000 |
| 2. Adjusted population, census of August 1979.....   | NA         |
| 3. Births per 1,000 population, 1977.....            | 54         |
| 4. Deaths per 1,000 population, 1977.....            | 14         |
| 5. Annual rate of growth, 1977 (percent).....        | 4.0        |
| 6. Life expectancy at birth, 1977.....               | 53         |
| 7. Infant deaths per 1,000 live births, 1977.....    | 83         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 15,778,000 |
| 9. Births per 1,000 population, 1978.....      | 53-54      |
| 10. Deaths per 1,000 population, 1978.....     | 14         |
| 11. Annual rate of growth, 1978 (percent)..... | 4.0        |

## NOTES:

1. Preliminary census figure as reported in the *Nairobi Daily Nation*, Nov. 27, 1979.
2. The 1979 census has not been evaluated for possible coverage error.
3. Based on 1977 age-specific fertility rates (average of ASFR's from the 1977 National Demographic Survey (NDS) and the 1977-78 Kenya Fertility Survey (KFS) as reported in Central Bureau of Statistics (1979) and estimated midyear population, by age and sex.
4. Based on 1977 empirical age-sex-specific life table central death rates (Blacker, et al., 1979b) and estimated midyear population, by age and sex.
5. Difference between crude birth and death rates.
- 6-7. Derived from 1977 empirical life tables based on data from the 1977 National Demographic Survey (Blacker, et al., 1979b). Infant and childhood mortality estimates were based on an application of the Brass mortality technique. Adult mortality estimates for males were based on widowhood data, and for females on orphanhood data.
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trend of fertility since 1977.
10. Projected assuming no significant change in mortality since 1977.
11. Projected assuming no significant change in the 1977 growth rate.

## KENYA

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 6,121      | 1970                       | 11,256     | 1950-55 | 2.8                        |
| 1955 | 7,034      | 1971                       | 11,649     | 1955-60 | 3.0                        |
| 1960 | 8,157      | 1972                       | 12,068     | 1960-65 | 3.2                        |
| 1961 | 8,412      | 1973                       | 12,513     | 1965-70 | 3.3                        |
| 1962 | 8,679      | 1974                       | 12,983     | 1970-75 | 3.6                        |
| 1963 | 8,957      | 1975                       | 13,481     | 1975-79 | 3.9                        |
| 1964 | 9,248      | 1976                       | 14,008     |         |                            |
| 1965 | 9,549      | 1977                       | 14,568     |         |                            |
| 1966 | 9,864      |                            |            |         |                            |
| 1967 | 10,192     |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 10,532     | 1978                       | 15,158     |         |                            |
| 1969 | 10,888     | 1979                       | 15,778     |         |                            |

**NOTES:** 1950-69—Based on the reported 1969 census figure and estimated growth rates considering the 1948-62 and 1962-69 intercensal growth rates (*UNDY 1970*, table 7) and estimated fertility and mortality trends from 1950 to 1969.

1970-77—Estimated by the component method based on the 1969 census and estimated fertility and mortality trends from 1969 to 1977. Fertility and mortality levels and trends were based on data from the 1969 census (U.S. Bureau of the Census, 1978), the 1977 National Demographic Survey (Blackler, et al., 1979b), and the 1977-78 Kenya Fertility Survey (Central Bureau of Statistics, 1979).

1978-79—Projected by the component method on the basis of assumed trends in fertility and mortality. The base of the projections was the 1977 midyear population, by age and sex.

The following census was used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source  |
|--------------------|-----------------------|---------------------|---|
| August 24-25, 1969 | NA                    | 10,942,705          | Census figure as reported in Ministry of Finance and Economic Planning, 1970, table 1, including an official adjustment for net underenumeration (Mwaniki, 1977). |

## MAJOR SOURCES

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- U.S. Bureau of the Census. 1978. *Country Demographic Profiles—Kenya*. Washington, D.C.

**BENCHMARK DATA**

|   |           |
|---|-----------|
| 1. Enumerated population, census of April 12, 1976..... | 1,213,960 |
| 2. Adjusted population, census of April 12, 1976.....   | NA        |
| 3. Births per 1,000 population, 1971.....               | 37        |
| 4. Deaths per 1,000 population, 1971.....               | 14        |
| 5. Annual rate of growth, 1966-76 (percent).....        | 2.3       |
| 6. Life expectancy at birth.....                        | NA        |
| 7. Infant deaths per 1,000 live births, 1971.....       | 114       |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 1,305,000 |
| 9. Births per 1,000 population, 1978 .....     | 36-37     |
| 10. Deaths per 1,000 population, 1978 .....    | 13-14     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.1-2.4   |

**NOTES:**

1. Provisional census figure as reported in *PVSR July 1979*. Population is de jure.
2. The 1976 census has not been evaluated for possible coverage error.
- 3-4. Estimated rates from the demographic component of the Rural Household Consumption and Expenditure Survey as reported in *UNDY 1977*, table 4.
5. Intercensal growth rate based on the 1966 and 1976 de jure censuses.
6. Data not available.
7. Estimated rate from the demographic component of the Rural Household Consumption and Expenditure Survey as reported in *UNDY 1977*, table 4.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1971.
11. Range of variation given selected combinations of unrounded crude birth and death rates.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 726        | 1970                       | 1,066      | 1950-55 | 1.6                        |
| 1955 | 786        | 1971                       | 1,090      | 1955-60 | 1.8                        |
| 1960 | 859        | 1972                       | 1,115      | 1960-65 | 2.1                        |
| 1961 | 875        | 1973                       | 1,141      | 1965-70 | 2.2                        |
| 1962 | 893        | 1974                       | 1,166      | 1970-75 | 2.2                        |
| 1963 | 912        | 1975                       | 1,193      | 1975-79 | 2.2                        |
| 1964 | 932        | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 952        | 1976                       | 1,220      |         |                            |
| 1966 | 974        | 1977                       | 1,248      |         |                            |
| 1967 | 996        |                            |            |         |                            |
| 1968 | 1,019      | 1978                       | 1,276      |         |                            |
| 1969 | 1,042      | 1979                       | 1,305      |         |                            |

**NOTES:** 1950-75—Based on 1956, 1966 and 1976 de jure census populations, crude birth and death rates from the 1956 sample survey (Som, 1972, tables 13.5 and 13.6); a crude birth rate for 1966 estimated from the 1966 census (Okonjo, 1973, table I); crude birth and death rates for 1971 (see items 3 and 4); and assumed trends in fertility and mortality since 1950.

1976-79—Projected based on the 1976 census and assumed trends in fertility and mortality.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| April 8, 1956     | 796,426               |                     | The 1956, 1966, and 1976 enumerated populations as reported in <i>UNDY 1970</i> , table 6; Bureau of Statistics, no date, table 1; and <i>PVSR July 1979</i> , respectively. The 1956 figure includes 154,752 persons temporarily outside of the country. The 1966 figure includes 117,273 persons absent for less than 5 years. An estimate of the absentee population included in the 1976 figure is not available. |
| April 14-24, 1966 | 969,634               |                     |   |
| April 12, 1976    | 1,213,960             |                     |   |

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Bureau of Statistics. no date. *1966 Population Census Report*, vol. I. Maseru.

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Som, R. K. 1972. "Population Prospects in Africa." *Population Growth and Economic Development in Africa*, eds. S. H. Ominde and G. N. Ejiogu. Heinemann Educational Books. London.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of February 1, 1974..... | NA        |
| 2. Adjusted population, census of February 1, 1974.....   | 1,503,368 |
| 3. Births per 1,000 population, 1978.....                 | 50        |
| 4. Deaths per 1,000 population, 1978.....                 | 20        |
| 5. Annual rate of growth, 1978 (percent).....             | 3.1       |
| 6. Life expectancy at birth, 1970-71.....                 | 45-54     |
| 7. Infant deaths per 1,000 live births, 1970-71.....      | 137-159   |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 1,788,000 |
| 9. Births per 1,000 population, 1978.....      | 50        |
| 10. Deaths per 1,000 population, 1978.....     | 20        |
| 11. Annual rate of growth, 1978 (percent)..... | 3.1       |

## NOTES:

1. Data not available.
2. Census population officially adjusted for 11.0 percent underenumeration based on the 1974 Post Enumeration Survey (Ministry of Planning and Economic Affairs, 1977, pp. 18 and 60). Population is de jure.
- 3-4. Officially reported provisional rates based on results from the 1978 National Demographic Survey (Ministry of Planning and Economic Affairs, 1979, p. 10).
5. Difference between unrounded crude birth and death rates.
6. Life expectancy of 54 years for 1970 and 45 years for 1971 based on empirical life tables from Population Growth Survey reports (Ministry of Planning and Economic Affairs, 1972, table 17; and 1973, table 15, respectively). Applying stable population analysis to the results of the 1978 survey and Coale-Demeny south region model life tables, a life expectancy of 46 years can be estimated for 1978.
7. Reported rates from the Population Growth Survey of 137 for 1970 and 159 for 1971. Using stable population analysis and Coale-Demeny south region model life tables, an infant mortality rate of 150 per 1,000 can be estimated for 1978.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 694        | 1970                       | 1,335      | 1950-55 | 3.3                        |
| 1955 | 816        | 1971                       | 1,380      | 1955-60 | 3.3                        |
| 1960 | 960        | 1972                       | 1,427      | 1960-65 | 3.3                        |
| 1961 | 992        | 1973                       | 1,474      | 1965-70 | 3.3                        |
| 1962 | 1,025      |                            |            | 1970-75 | 3.3                        |
|      |            | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 3.2                        |
| 1963 | 1,059      | 1974                       | 1,523      |         |                            |
| 1964 | 1,095      | 1975                       | 1,573      |         |                            |
| 1965 | 1,132      | 1976                       | 1,625      |         |                            |
| 1966 | 1,170      | 1977                       | 1,678      |         |                            |
| 1967 | 1,209      |                            |            |         |                            |
| 1968 | 1,250      | 1978                       | 1,734      |         |                            |
| 1969 | 1,292      | 1979                       | 1,788      |         |                            |

**NOTES:** 1950-61—Based on the implied growth rate between a 1960 estimate and the 1962 unadjusted census figure from an official time series (Ministry of Agriculture, 1976, table 1.2). The 1960-62 growth rate was assumed to be constant and to apply to the years 1950-61.

1962-73—Based on the intercensal growth rate between the unadjusted 1962 census and the adjusted 1974 census.

1974-79—Projected based on trends in projected growth rates from official time series (Ministry of Agriculture, 1976, table 1.2), and the provisional results from the 1978 National Demographic Survey reported by Ministry of Planning and Economic Affairs (1979, p. 10).

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source  |
|------------------|-----------------------|---------------------|---|
| April 2, 1962    | 1,016,443             | NA                  | Enumerated population for 1962 as reported in Office of National Planning (1965, table 1). The 1974 enumerated population before adjustment is not available.                       |
| February 1, 1974 | NA                    | 1,503,368           |   |
|                  |                       |                     | The 1974 enumerated population was officially adjusted for 11 percent underenumeration based on a post enumeration survey (Ministry of Planning and Economic Affairs, 1977, p. 21). |

**MAJOR SOURCES**

Ministry of Agriculture. 1976. *Statistical Handbook*. Monrovia.

Ministry of Planning and Economic Affairs. 1972. *Demographic Annual of the Population Growth Survey 1970. Demographic Patterns in Liberia, 1970. Series S-1*. Monrovia.

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**BENCHMARK DATA**

|  |           |
|--|-----------|
| 1. Enumerated population, census of July 31, 1973..... | 2,249,222 |
| 2. Adjusted population, census of July 31, 1973.....   | NA        |
| 3. Births per 1,000 population.....                    | NA        |
| 4. Deaths per 1,000 population.....                    | NA        |
| 5. Annual rate of growth, 1964-73 (percent).....       | 4.0       |
| 6. Life expectancy at birth, 1972.....                 | 50        |
| 7. Infant deaths per 1,000 live births, 1972.....      | 139       |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 2,920,000 |
| 9. Births per 1,000 population, 1978.....      | 47-48     |
| 10. Deaths per 1,000 population, 1978.....     | 13        |
| 11. Annual rate of growth, 1978 (percent)..... | 3.4-3.5   |

**NOTES:**

1. Final census figure as reported in Census and Statistics Department, 1977b, annex table 1. Population is de jure.
2. The 1973 census has not been evaluated for possible coverage error.
- 3-4. Data not available.
5. Intercensal growth rate based on the 1964 and 1973 censuses (Census and Statistics Department, 1977b, table 1).
- 6-7. Estimates from empirical life table (Issa, 1975) based on registered deaths in 1972 by age and by sex adjusted by the Brass logit technique using the south region model life table as a standard.
8. See notes for Midyear Population Estimates.
- 9-11. Derived by interpolation of 1975-80 and 1980-85 projected rates from the U.N. high, medium, and low variant projections (1979b, annex tables 2-A, 7, and 9). Death rates round to the same number for all three variants.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 961        | 1970                       | 1,956      | 1950-55 | 3.1                        |
| 1955 | 1,122      | 1971                       | 2,025      | 1955-60 | 3.5                        |
| 1960 | 1,338      | 1972                       | 2,121      | 1960-65 | 3.8                        |
| 1961 | 1,389      | 1973                       | 2,243      | 1965-70 | 3.8                        |
| 1962 | 1,442      |                            |            | 1970-75 | 4.9                        |
|      |            | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 3.9                        |
| 1963 | 1,499      | 1974                       | 2,382      |         |                            |
| 1964 | 1,560      | 1975                       | 2,497      |         |                            |
| 1965 | 1,618      | 1976                       | 2,603      |         |                            |
| 1966 | 1,682      | 1977                       | 2,729      |         |                            |
| 1967 | 1,740      |                            |            |         |                            |
| 1968 | 1,807      | 1978                       | 2,821      |         |                            |
| 1969 | 1,888      | 1979                       | 2,920      |         |                            |

**NOTES:** 1950-73—Based on the 1954, 1964, and 1973 censuses and estimated trends in fertility, mortality, and migration since 1950. Estimated migration is based on official arrival and departure data (*UNDY 1970*, table 24; and Census and Statistics Department, 1977a, table 3, p. 43).

1974-79—Projected based on the 1973 census and estimated trends in fertility, mortality, and migration which take into consideration official projected immigration and reported emigration of Tunisians during 1976 (Taamallah, 1977), of Egyptians during the period July 1977 to July 1979 (*The Washington Post*, July 30, 1979), and various reported data indicating changes in the number of foreigners working in Libya (Census and Statistics Department, 1976, tables 10 and 16; International Labour Office, 1976, pp. 88-91 and 105; *The New York Times*, Sept. 20, 1976; U.N., 1979a, table 16; 1979c, table 4.2; and *The Washington Post*, July 31, 1979).

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| July 31, 1954 | 1,088,873             |                     | Enumerated de jure populations as reported in Census and Statistics Department, 1977b, table 1. |
| July 31, 1964 | 1,564,369             |                     |   |
| July 31, 1973 | 2,249,222             |                     |   |

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\_\_\_\_\_. 1979b. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

\_\_\_\_\_. Population Commission. 1979c. *Report on Monitoring of Population Trends*. E/CN.9/XX/CRP.1. New York.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of January–August 1975..... | 7,568,577 |
| 2. Adjusted population, census of January–August 1975.....   | NA        |
| 3. Births per 1,000 population.....                          | NA        |
| 4. Deaths per 1,000 population.....                          | NA        |
| 5. Annual rate of growth.....                                | NA        |
| 6. Life expectancy at birth.....                             | NA        |
| 7. Infant deaths per 1,000 live births.....                  | NA        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 8,349,000 |
| 9. Births per 1,000 population, 1978.....      | 47–48     |
| 10. Deaths per 1,000 population, 1978.....     | 22        |
| 11. Annual rate of growth, 1978 (percent)..... | 2.5–2.6   |

## NOTES:

1. Provisional census figure (Direction du Recensement, 1978).
2. The 1975 census has not been evaluated for possible coverage error.
- 3–7. Data not available. Applying various techniques to data from the 1966 Demographic Survey results in a wide range in estimated crude birth and death rates, life expectancies at birth, and infant mortality rates. The estimates for the crude birth rate vary from a low of 45 per 1,000 population, based on reported births during the 12 months preceding the survey (INSRE, 1967, p. 78), to a high of 55 per 1,000 population, estimated at the U.S. Bureau of the Census based on stable population analysis using south region model life tables (north region model life tables result in a crude birth rate of 50 per 1,000 population). The estimates for the crude death rate vary from a low of 25 per 1,000 population, based on deaths during the 12 months preceding the survey (INSRE, 1967, p. 70), to a high of 34 per 1,000 population, estimated at the U.S. Bureau of the Census based on stable population analysis using south region model life tables (north region model life tables result in a crude death rate of 29 per 1,000 population). Estimated life expectancy at birth varies from 32 years, a U.S. Bureau of the Census estimate based on stable population analysis using south region model life tables (north region model life tables result in a life expectancy at birth of 35 years), to 38 years, derived from official life tables based on deaths during the 12 months preceding the survey (INSRE, 1967, p. 72). The estimates of the infant mortality rate vary from a low of 102 infant deaths per 1,000 live births, based on births and infant deaths during the 12 months preceding the survey (INSRE, 1967, p. 72), to a high of 228 infant deaths per 1,000 live births, estimated at the U.S. Bureau of the Census based on stable population analysis using south region model life tables (north region model life tables result in an infant mortality rate of 194 per 1,000 live births). A growth rate of 2.3 percent can be estimated based on the 1966 Demographic Survey population and the 1975 provisional census population.
8. See notes for Midyear Population Estimates.
- 9–11. Projected range of variation based on assumed trends in fertility and mortality, which incorporate assumptions from the official population projection series (INSRE, 1967, p. 128).

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 4,620      | 1968 | 6,470      | 1950-55 | 1.6                        |
| 1955                       | 5,003      | 1969 | 6,611      | 1955-60 | 1.8                        |
| 1960                       | 5,482      | 1970 | 6,759      | 1960-65 | 2.0                        |
| 1961                       | 5,590      | 1971 | 6,912      | 1965-70 | 2.2                        |
| 1962                       | 5,703      | 1972 | 7,072      | 1970-75 | 2.3                        |
| 1963                       | 5,821      | 1973 | 7,238      | 1975-79 | 2.4                        |
| 1964                       | 5,944      | 1974 | 7,409      |         |                            |
| 1965                       | 6,070      | 1975 | 7,587      |         |                            |
| 1966                       | 6,200      | 1976 | 7,771      |         |                            |
|                            |            | 1977 | 7,947      |         |                            |
| <b>PROJECTED ESTIMATES</b> |            |      |            |         |                            |
|                            |            | 1978 | 8,145      |         |                            |
| 1967                       | 6,333      | 1979 | 8,349      |         |                            |

**NOTES:** 1950-66—Based on the 1966 Demographic Survey, official population estimates for 1951, 1956, and 1961 (INSRE, 1967, p. 125), and estimated growth rates based on official population estimates.

1967-79—Projected at the U.S. Bureau of the Census by the component method based on the 1966 Demographic Survey, incorporating official fertility and mortality assumptions (INSRE, 1967, p. 128), and emigration in 1977 of 15,000 people (U.N., 1977, p. 3). The projections are consistent with the provisional results from the 1975 census.

The following survey was used in deriving the population time series:

| Survey date             | Estimated population | Adjusted population | Source   |
|-------------------------|----------------------|---------------------|--|
| May 9–November 11, 1966 | 6,200,000            |                     | Survey population as reported in INSRE, 1967, p. 22. |

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United Nations. High Commissioner for Refugees. 1977. *UNHCR*, no. 1, Feb. [Geneva.]

World Bank. 1979. Personal communication.

**BENCHMARK DATA**

|  |           |
|--|-----------|
| 1. Enumerated population, census of September 20-October 10, 1977..... | 5,561,821 |
| 2. Adjusted population, census of September 20-October 10, 1977.....   | NA        |
| 3. Births per 1,000 population, 1971-72.....                           | 51-54     |
| 4. Deaths per 1,000 population, 1971-72.....                           | 27-28     |
| 5. Annual rate of growth, 1966-77 (percent).....                       | 2.9       |
| 6. Life expectancy at birth.....                                       | NA        |
| 7. Infant deaths per 1,000 live births.....                            | NA        |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 5,862,000 |
| 9. Births per 1,000 population, 1978.....      | 51-54     |
| 10. Deaths per 1,000 population, 1978.....     | 25-26     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.6-3.0   |

**NOTES:**

1. Preliminary census figure as reported by National Statistical Office, 1978.
2. The 1977 census has not been evaluated for possible coverage error.
- 3-4. The lower bounds of the ranges are reported rates from the 1971-72 round of the 1970-72 Population Change Survey. The upper bounds of the ranges are based on the reported survey data adjusted by the Chandrasekaran-Deming technique. See National Statistical Office, 1973, pp. 20 and 29.
5. Intercensal growth rate based on the 1966 final and 1977 preliminary census figures.
6. Data not available. Using unadjusted age-specific death rates from the 1970-72 Population Change Survey, 1971-72 life tables were derived showing a life expectancy at birth of 42 for both sexes (National Statistical Office, 1973, p. 41). This estimate may be too high to the extent that deaths, particularly infant deaths, were underreported.
7. Data not available. An unadjusted infant mortality rate of 142 per 1,000 live births for 1971-72 was obtained from the 1970-72 Population Change Survey data (National Statistical Office, 1973, p. 30). According to the survey report, this rate "appears low and it is likely that the actual infant mortality rate is higher than this."
8. See notes for Midyear Population Estimates.
9. Projected range of variation assuming no significant change in fertility since 1971-72.
10. Projected range of variation assuming a moderate to slight decline in mortality since 1971-72.
11. Range of variation given selected combinations of unrounded crude birth and death rates (50.5 and 25.5 per 1,000 population and 54.0 and 25.4 per 1,000 population) and an assumed net immigration rate of 1 per 1,000 population. The 1978 calendar-year growth rate implied by the estimated midyear populations for 1977, 1978, and 1979 is 2.95 percent. The average annual growth rate (3.2 percent) for the 1975-79 period is much higher than the 1978 calendar year rate due to the heavy influx of labor migrants returning home in 1975 and 1976.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,817      | 1970                       | 4,450      | 1950-55 | 1.8                        |
| 1955 | 3,088      | 1971                       | 4,556      | 1955-60 | 2.2                        |
| 1960 | 3,450      | 1972                       | 4,669      | 1960-65 | 2.5                        |
| 1961 | 3,532      | 1973                       | 4,789      | 1965-70 | 2.6                        |
| 1962 | 3,629      | 1974                       | 4,938      | 1970-75 | 2.9                        |
| 1963 | 3,726      | 1975                       | 5,156      | 1975-79 | 3.2                        |
| 1964 | 3,816      | 1976                       | 5,344      |         |                            |
| 1965 | 3,914      | 1977                       | 5,526      |         |                            |
| 1966 | 4,023      |                            |            |         |                            |
| 1967 | 4,138      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 4,245      | 1978                       | 5,690      |         |                            |
| 1969 | 4,350      | 1979                       | 5,862      |         |                            |

**NOTES:** 1950-65—Based on the 1966 official population estimate and assumed fertility, mortality, and migration trends since 1950. Migration trends were based on reported movements of labor migrants between Malawi and Southern Rhodesia and South Africa (Wilson, 1976, table 3; and Southern Rhodesia, 1976, table 4).

1966—Official estimate based on the 1966 census (Carter, 1977).

1967-76—Based on the 1966 and 1977 official population estimates and assumed fertility, mortality, and migration trends during the period. Fertility and mortality were estimated considering the 1971-72 adjusted vital rates from the 1970-72 Population Change Survey. Migration trends were based on reported movements of labor migrants between Malawi and Southern Rhodesia and South Africa (Wilson, 1976, table 3; and Southern Rhodesia, 1976, table 4). During the period 1974 to 1976 there was a heavy influx of labor migrants returning to Malawi.

1977-79—Based on the 1977 official population estimate (*PVSR January 1979*) and assumed fertility, mortality, and migration trends since 1977.

The following censuses were used in deriving the population time series:

| Census date                       | Enumerated population | Adjusted population | Source  |
|-----------------------------------|-----------------------|---------------------|---|
| August 9, 1966                    | 4,039,583             |                     | Enumerated populations as reported in National Statistical Office, 1969 and 1978. |
| September 20-<br>October 10, 1977 | 5,561,821             |                     |   |

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## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of December 1976..... | 6,035,272 |
| 2. Adjusted population, census of December 1976.....   | NA        |
| 3. Births per 1,000 population, 1960-61.....           | 49-55     |
| 4. Deaths per 1,000 population, 1960-61.....           | 29-30     |
| 5. Annual rate of growth, 1960-61 (percent).....       | 2.0-2.5   |
| 6. Life expectancy at birth, 1960-61.....              | 35        |
| 7. Infant deaths per 1,000 live births, 1960-61.....   | 210       |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 6,464,000 |
| 9. Births per 1,000 population, 1978.....      | 49-55     |
| 10. Deaths per 1,000 population, 1978.....     | 23-24     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.6-3.1   |

## NOTES:

1. Provisional census figure (Bureau Central de Recensement, 1977).
2. The 1976 census has not been evaluated for possible coverage error.
3. Lower bound of range was derived at the U.S. Bureau of the Census from age-specific fertility rates obtained by applying the Brass fertility technique ( $P_2/F_2$  ratio) to 1960-61 survey data (Mali and France, no date, p. 107 and table 52) and the survey population adjusted for age misstatement. Upper bound is an estimate from the survey report based on a graphical adjustment of data on children ever born and births in the 12 months preceding the survey (Mali and France, no date, pp. 107-109).
4. Lower bound of range estimated at the U.S. Bureau of the Census based on results of analysis of reported infant and childhood mortality for 1960-61 using Brass techniques and stable population analysis (Mali and France, no date, table 65). Upper bound is an estimated rate for 1960-61 shown in the survey report based on adjusted data on children surviving (Mali and France, no date, p. 123).
5. Range of variation given selected combinations of crude birth and death rates (49.0 and 29.0 per 1,000 and 55.0 and 30.0 per 1,000 population, respectively).
6. From life table from 1960-61 survey report based on deaths by age and sex as reported for the 12 months preceding the survey (Mali and France, no date, p. 137).
7. Calculated at the U.S. Bureau of the Census based on the application of Brass mortality techniques to results of the 1960-61 survey.
8. See notes for Midyear Population Estimates.
9. Projected range of variation assuming no significant change in fertility since 1960-61.
10. Projected range of variation based on an assumed decline in mortality, which takes into consideration alternative U.N. projections.
11. Projected range of variation given selected combinations of crude birth and death rates (49.0 and 23.0 per 1,000 and 55.0 and 24.0 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 3,277      | 1970                       | 5,143      | 1950-55 | 2.0                        |
| 1955 | 3,622      | 1971                       | 5,266      | 1955-60 | 2.2                        |
| 1960 | 4,050      | 1972                       | 5,393      | 1960-65 | 2.4                        |
| 1961 | 4,146      | 1973                       | 5,525      | 1965-70 | 2.4                        |
| 1962 | 4,248      | 1974                       | 5,662      | 1970-75 | 2.4                        |
| 1963 | 4,353      | 1975                       | 5,807      | 1975-79 | 2.7                        |
| 1964 | 4,460      | 1976                       | 5,963      |         |                            |
| 1965 | 4,571      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1966 | 4,683      | 1977                       | 6,123      |         |                            |
| 1967 | 4,796      |                            |            |         |                            |
| 1968 | 4,910      | 1978                       | 6,290      |         |                            |
| 1969 | 5,026      | 1979                       | 6,464      |         |                            |

**NOTES:** 1950-76—Based on U.N. estimates for 1950, 1955, 1960, 1965, 1970, and 1975 (U.N., 1979), the 1976 census and assumed trends in growth rates.

1977-79—Projected based on the 1976 census and assumed trends in fertility and mortality, which take into consideration alternative U.N. estimates.

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United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment.* ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of December 22, 1976-March 1977..... | 1,407,042 |
| 2. Adjusted population, census of December 22, 1976-March 1977.....   | NA        |
| 3. Births per 1,000 population, 1964-65.....                          | 43-47     |
| 4. Deaths per 1,000 population, 1964-65.....                          | 28-31     |
| 5. Annual rate of growth, 1964-65 (percent).....                      | 1.2-1.9   |
| 6. Life expectancy at birth, 1964-65.....                             | 32-34     |
| 7. Infant deaths per 1,000 live births, 1964-65.....                  | 162-193   |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 1,474,000 |
| 9. Births per 1,000 population, 1978.....      | 43-47     |
| 10. Deaths per 1,000 population, 1978.....     | 25-28     |
| 11. Annual rate of growth, 1978 (percent)..... | 1.5-2.2   |

## NOTES:

- Provisional census figure including an estimate of 512,511 nomads as reported by Bureau Central du Recensement de la Population (1977, table 2). This figure excludes the population of Tiris-el-Gharbia (12,897) which is counted in Western Sahara.
- The 1976-77 census has not been evaluated for possible coverage error.
- Lower bound of range is an adjusted rate from the 1964-65 survey based on reported births in the 12 months preceding the survey adjusted to correct an abnormal sex ratio at birth, and the de jure survey population adjusted for the underestimation of females (Service de la Statistique and France, 1972b, pp. 201-203). The upper bound was estimated at the U.S. Bureau of the Census based on stable population analysis using data on births in the 12 months before the survey adjusted for the abnormal sex ratio at birth.
- Range is based on stable population analysis using life tables with different assumptions regarding infant mortality (see notes 6 and 7), and fertility based on adjusted and unadjusted births in the 12 months preceding the survey.
- Range of variation given selected combinations of unrounded crude birth and death rates (43.2 and 31.0 per 1,000 and 47.5 and 28.3 per 1,000, respectively).
- 6-7. Upper bound of life expectancy and lower bound of infant mortality rate are based on life tables derived by applying the logit technique with the Brass African standard to a life table based on deaths in the 12 months preceding the 1964-65 survey (Service de la Statistique and France, 1972b, table 121). The lower bound of life expectancy and upper bound of infant mortality rate are based on the same method except that the initial estimate of infant mortality was based on births in the 12 months preceding the 1964-65 survey and deaths to those births (Service de la Statistique and France, 1972a, pp. 123 and 128; and 1972b, p. 251).
- See notes for Midyear Population Estimates.
- Projected assuming no significant change in fertility since 1964-65.
- Projected range of variation based on assumed trend of mortality since 1964-65.
- Range of variation given possible combinations of crude birth and death rates.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 909        | 1970                       | 1,254      | 1950-55 | 1.6                        |
| 1955 | 984        | 1971                       | 1,276      | 1955-60 | 1.6                        |
| 1960 | 1,066      | 1972                       | 1,298      | 1960-65 | 1.6                        |
| 1961 | 1,083      | 1973                       | 1,321      | 1965-70 | 1.7                        |
| 1962 | 1,101      | 1974                       | 1,345      | 1970-75 | 1.8                        |
| 1963 | 1,119      | 1975                       | 1,369      | 1975-79 | 1.8                        |
| 1964 | 1,137      | 1976                       | 1,394      |         |                            |
| 1965 | 1,155      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1966 | 1,174      | 1977                       | 1,420      |         |                            |
| 1967 | 1,193      |                            |            |         |                            |
| 1968 | 1,213      | 1978                       | 1,446      |         |                            |
| 1969 | 1,233      | 1979                       | 1,474      |         |                            |

**NOTES:** 1950-79—Based on the 1976 census and assumed trends in fertility and mortality, which take into consideration results from the 1964-65 survey.

**MAJOR SOURCES**

Bureau Central du Recensement, 1977. *Seconds Résultats Provisoires du Recensement Général de la Population (Population au 1er Janvier 1977)*. Nouakchott.

Service de la Statistique; and France, INSEE, Département de Coopération. 1972a. *Enquête Démographique 1965. Méthodologie*. Paris.

\_\_\_\_\_. 1972b. *Enquête Démographique 1965. Résultats Définitifs*. Paris.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of June 30, 1972..... | 851,334 |
| 2. Adjusted population, census of June 30, 1972.....   | NA      |
| 3. Births per 1,000 population, 1978.....              | 27      |
| 4. Deaths per 1,000 population, 1978.....              | 7       |
| 5. Annual rate of growth, 1978 (percent).....          | 1.8     |
| 6. Life expectancy at birth, 1971-73.....              | 63      |
| 7. Infant deaths per 1,000 live births, 1978.....      | 35      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 941,000 |
| 9. Births per 1,000 population, 1978.....      | 27      |
| 10. Deaths per 1,000 population, 1978.....     | 7       |
| 11. Annual rate of growth, 1978 (percent)..... | 1.8     |

## NOTES:

1. Final census figure (Central Statistical Office, 1977, table 1.1; and 1979).
2. The 1972 census has not been evaluated for possible coverage error.
- 3-4. Registered rates as reported in *PVSR October 1979*. Excludes data for Agalega and St. Brandon.
5. Based on the difference between unrounded crude birth and death rates and a net emigration rate of 2.3 per 1,000 population. Estimated net emigration is based on arrival and departure data (Central Statistical Office, 1979).
6. Derived from official life tables for the island of Mauritius (Central Statistical Office, 1977, table 1.8).
7. Registered rate reported in *PVSR October 1979*. Excludes data for Agalega and St. Brandon.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 481        | 1970 | 830        | 1950-55 | 3.4                        |
| 1955 | 572        | 1971 | 841        | 1955-60 | 3.0                        |
| 1960 | 663        | 1972 | 851        | 1960-65 | 2.6                        |
| 1961 | 681        | 1973 | 861        | 1965-70 | 1.9                        |
| 1962 | 701        | 1974 | 872        | 1970-75 | 1.3                        |
| 1963 | 715        | 1975 | 883        | 1975-79 | 1.6                        |
| 1964 | 736        | 1976 | 895        |         |                            |
| 1965 | 756        | 1977 | 909        |         |                            |
| 1966 | 774        | 1978 | 925        |         |                            |
| 1967 | 789        | 1979 | 941        |         |                            |
| 1968 | 804        |      |            |         |                            |
| 1969 | 816        |      |            |         |                            |

**NOTES:** 1950-79—Estimates, including data for dependents, based on the 1952, 1962, and 1972 censuses; official midyear population estimates for Mauritius and Rodrigues for 1950-79 and for other islands for 1969, 1972, and 1978; and fertility, mortality, and migration data since 1950.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| June 28-29, 1952 | 516,556               |                     | The 1952 and 1962 enumerated populations are reported in <i>UNDY 1970</i> , table 7. Includes data for the islands of Mauritius, Rodrigues, Agalega and St. Brandon. Also includes the population of Chagos Archipelago which became part of British Indian Ocean territory on November 8, 1965. |
| June 30, 1962    | 701,016               |                     |  |
| June 30, 1972    | 851,334               |                     |  |
|                  |                       |                     | The 1972 enumerated population is based on information for the islands of Mauritius and Rodrigues reported in Central Statistical Office, 1977, table 1.1; and unpublished data for Agalega and St. Brandon (Central Statistical Office, 1979).  |

### MAJOR SOURCES

Central Statistical Office. 1974. *1972 Population Census of Mauritius*, vol. 1, *Preliminary Report*. Rose Hill.

\_\_\_\_\_. 1977. *Bi-Annual Digest of Statistics, December 1977*, vol. 12, no. 2. Rose Hill.

\_\_\_\_\_. 1979. Personal communication.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of July 20, 1971..... | 15,379,259 |
| 2. Adjusted population, census of July 20, 1971.....   | 16,335,000 |
| 3. Births per 1,000 population, 1972.....              | 44         |
| 4. Deaths per 1,000 population, 1972.....              | 15         |
| 5. Annual rate of growth, 1972 (percent).....          | 2.7        |
| 6. Life expectancy at birth, 1972.....                 | 51         |
| 7. Infant deaths per 1,000 live births, 1972.....      | 162        |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 20,368,000 |
| 9. Births per 1,000 population, 1978.....      | 42-44      |
| 10. Deaths per 1,000 population, 1978.....     | 13-14      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.8-3.0    |

## NOTES:

- Final census figure (Direction des Statistiques, 1971, p. XII). Population is de jure.
- Census population adjusted for 5.9 percent net underenumeration (U.S. Bureau of the Census, 1980).
- Estimated at the U.S. Bureau of the Census (1980) based on urban and rural age-specific fertility rates from the 1972-73 Dual Record Experimental Study adjusted to the level of matched plus unmatched births (CERED, 1974a, selected tables) and weighted to the national level based on 1971 census data.
- Estimated at the U.S. Bureau of the Census (1980) based on 1972 estimated life table central death rates and adjusted 1971 census population, by age and sex, projected to midyear 1972.
- Difference between unrounded crude birth and death rates and a net emigration rate of 2 per 1,000 population. Net emigration was based on workers and family members entering France (France, INSEE, 1973; and *UNDY 1977*); Moroccans counted in the Netherlands in 1968 and 1973 (Netherlands, 1973, p. 22); Moroccan workers in the Federal Republic of Germany (Federal Republic of Germany, 1975); and census counts of Moroccans in Belgium in 1961 and 1970 (Belgium, 1976, p. 42).
- 6-7. Calculated from 1972 life tables, by sex, derived at the U.S. Bureau of the Census (1980).
- See notes for Midyear Population Estimates.
- 9-10. Projected range of variation derived at the U.S. Bureau of the Census based on assumed trends in fertility and mortality since 1972 which take into consideration past trends and the official projection assumptions made by the Centre de Recherche et d'Etudes Démographiques (1975).
11. Projected range of variation given selected combinations of unrounded crude birth and death rates and net emigration rates (42.3, 13.3, and 1.2 per 1,000 population and 44.5, 13.5, and 1.1 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |     |
|------|------------|----------------------------|------------|---------|----------------------------|-----|
| 1950 | 9,343      | 1970                       | 15,909     | 1950-55 | 2.9                        |     |
| 1955 | 10,782     | 1971                       | 16,313     | 1955-60 | 2.8                        |     |
| 1960 | 12,423     | <b>PROJECTED ESTIMATES</b> |            |         | 1960-65                    | 2.5 |
| 1961 | 12,736     | 1972                       | 16,752     | 1965-70 | 2.5                        |     |
| 1962 | 13,057     | 1973                       | 17,207     | 1970-75 | 2.7                        |     |
| 1963 | 13,385     | 1974                       | 17,682     | 1975-79 | 2.8                        |     |
| 1964 | 13,722     | 1975                       | 18,177     |         |                            |     |
| 1965 | 14,066     | 1976                       | 18,692     |         |                            |     |
| 1966 | 14,415     | 1977                       | 19,229     |         |                            |     |
| 1967 | 14,770     |                            |            |         |                            |     |
| 1968 | 15,137     | 1978                       | 19,787     |         |                            |     |
| 1969 | 15,517     | 1979                       | 20,368     |         |                            |     |

**NOTES:** 1950-71—Based on the 1960 and 1971 adjusted censuses and estimated fertility, mortality, and migration trends from 1950 to 1971. For a further discussion, see U.S. Bureau of Census (1980).

1972-79—Projected at the U.S. Bureau of the Census (1980) by the component method based on the 1971 adjusted midyear population, by age and sex, assuming continued declines in fertility and mortality and an assumed decline in net emigration.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| June 18, 1960 | 11,626,470            | 12,415,000          | Enumerated populations as reported in Direction des Statistiques, 1971, p. XII. |
| July 20, 1971 | 15,379,259            | 16,335,000          |   |

The 1960 and 1971 enumerated populations were adjusted at the U.S. Bureau of the Census (1980) for 6.0 percent and 5.9 percent net underenumeration, respectively. The 1960 census figures were also adjusted to include the population of Ifni.

## MAJOR SOURCES

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- France. INSEE. 1973. *Annuaire Statistique de la France, 1973*. Paris.
- Netherlands. Central Bureau of Statistics. 1973. *Statistical Yearbook of the Netherlands 1973*. The Hague.
- U.S. Bureau of the Census. 1980. *Country Demographic Profiles—Morocco*. Washington, D.C. Forthcoming.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of September 15, 1970..... | 8,168,933 |
| 2. Adjusted population, census of September 15, 1970.....   | NA        |
| 3. Births per 1,000 population, 1970.....                   | 42-48     |
| 4. Deaths per 1,000 population.....                         | NA        |
| 5. Annual rate of growth, 1960-70 (percent).....            | 2.1       |
| 6. Life expectancy at birth.....                            | NA        |
| 7. Infant deaths per 1,000 live births.....                 | NA        |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 10,030,000 |
| 9. Births per 1,000 population, 1978.....      | 41-47      |
| 10. Deaths per 1,000 population, 1978.....     | 18-19      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.7-3.4    |

## NOTES:

1. Final census figure (Instituto Nacional de Estatística, 1974, p. 2). Population is de jure. The de facto population on the census date was 8,190,356 persons.
2. The 1970 census has not been evaluated for possible coverage error.
3. Range of variation based on application of the Brass fertility technique to 1970 census data as reported in Instituto Nacional de Estatística, 1974, tables 13 and 18.
4. Data not available.
5. Intercensal growth rate based on the 1960 and 1970 censuses.
- 6-7. Data not available. Using childhood mortality estimates ( $l_2$ ) derived from the Brass mortality technique applied to 1970 census data (Instituto Nacional de Estatística, 1974, tables 13 and 14), and Coale-Demeny south region model life tables, a life expectancy at birth of 46 years and an infant mortality rate of 148 per 1,000 live births can be estimated.
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trends in fertility since 1970, which take into consideration alternative U.N. projections.
10. Projected range of variation based on assumed trends in mortality, which take into consideration alternative U.N. projections.
11. Range of variation given selected combinations of unrounded crude birth and death rates and net immigration rate (41.1, 18.8, and 4.9 per 1,000 population and 47.1, 18.1, and 4.9 per 1,000 population, respectively). The net immigration rate is based on estimated refugee movements (U.N., 1979, p. 3), labor migration (South Africa, 1978, pp. 7.8-7.9), and assumed trends in the exodus of Portuguese migrants (Kaplan, et al., 1977, p. 74).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |     |
|------|------------|----------------------------|------------|---------|----------------------------|-----|
| 1950 | 5,726      | 1970                       | 8,133      | 1950-55 | 1.2                        |     |
| 1955 | 6,069      | <b>PROJECTED ESTIMATES</b> |            |         | 1955-60                    | 1.6 |
| 1960 | 6,577      |                            |            |         | 1960-65                    | 2.1 |
| 1961 | 6,706      | 1971                       | 8,330      | 1965-70 | 2.2                        |     |
| 1962 | 6,844      | 1972                       | 8,555      | 1970-75 | 2.3                        |     |
| 1963 | 6,991      | 1973                       | 8,786      | 1975-79 | 2.4                        |     |
| 1964 | 7,139      | 1974                       | 8,988      |         |                            |     |
| 1965 | 7,289      | 1975                       | 9,108      |         |                            |     |
| 1966 | 7,449      | 1976                       | 9,284      |         |                            |     |
| 1967 | 7,615      | 1977                       | 9,504      |         |                            |     |
| 1968 | 7,788      | 1978                       | 9,753      |         |                            |     |
| 1969 | 7,962      | 1979                       | 10,030     |         |                            |     |

**NOTES:** 1950-70—Based on the 1950, 1960, and 1970 censuses; intercensal growth rates; estimated fertility and mortality (which take into consideration U.N. estimates and results from the 1970 census); and migration (based on refugee movements as reported in U.N., various issues, 1965 to 1971).

1971-79—Projected based on the 1970 census; assumed trends in fertility and mortality which take into consideration U.N. projections; and estimated migration. Migration is based on trends in refugee movements (U.N., various issues, 1971 to 1979); labor migration (Wilson, 1976, table 3; and South Africa, 1978, pp. 7.8-7.9); and the arrival and exodus of Portuguese migrants (Instituto Nacional de Estatística, 1974, p. xxx; and Kaplan, et al., 1977, p. 74).

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source  |
|--------------------|-----------------------|---------------------|---|
| September 21, 1950 | 5,738,911             |                     | Enumerated populations for 1950 and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in Instituto Nacional de Estatística, 1974, p. xxiv. |
| September 15, 1960 | 6,603,653             |                     |   |
| September 15, 1970 | 8,168,933             |                     |   |

#### MAJOR SOURCES

Instituto Nacional de Estatística. 1974. *IV Recenseamento Geral da População 1970. Resumo Geral*. Lourenço Marques.

Kaplan, Irving, et al. 1977. *Area Handbook for Mozambique*. Washington, D.C.

South Africa. Department of Statistics. 1978. *1978 South African Statistics*. Pretoria.

United Nations. General Assembly. Various issues, 1964 to 1978. *Report of the United Nations High Commissioner for Refugees*. Official records (annual reports excluding 1972). New York.

\_\_\_\_\_. High Commissioner for Refugees. 1979. *UNHCR*, Spring. New York.

Wilson, Francis. 1976. "International Migration in Southern Africa." *International Migration Review*, vol. 10, pp. 451-488.

**BENCHMARK DATA**

|  |         |
|--|---------|
| 1. Enumerated population, census of May 6, 1970..... | 762,184 |
| 2. Adjusted population, census of May 6, 1970.....   | NA      |
| 3. Births per 1,000 population. ....                 | NA      |
| 4. Deaths per 1,000 population. ....                 | NA      |
| 5. Annual rate of growth. ....                       | NA      |
| 6. Life expectancy at birth.....                     | NA      |
| 7. Infant deaths per 1,000 live births.....          | NA      |

**PROJECTED ESTIMATES**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 994,000 |
| 9. Births per 1,000 population, 1978 .....     | 44-45   |
| 10. Deaths per 1,000 population, 1978 .....    | 15      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.9-3.0 |

**NOTES:**

1. Final census figure as reported in *PVSR October 1979*, footnote 39.
2. The 1970 census has not been evaluated for possible coverage error. "Based on the 1970 census, the population in 1974 has been estimated at 852,000. The office of the U.N. Commissioner for Namibia is of the opinion that the population in 1974 may have been as large as 1,200,000" (*PVSR October 1979*, footnote 39).
- 3-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Range of variation based on assumed trends in fertility and mortality which take into consideration alternative U.N. projections.
11. Projected range of variation given possible combinations of crude birth and death rates.

## NAMIBIA

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 426        | <b>PROJECTED ESTIMATES</b> |            | 1950-55 | 2.9                        |
| 1955 | 492        |                            |            | 1955-60 | 2.9                        |
| 1960 | 570        | 1970                       | 766        | 1960-65 | 3.0                        |
| 1961 | 587        | 1971                       | 788        | 1965-70 | 3.0                        |
| 1962 | 604        | 1972                       | 810        | 1970-75 | 2.8                        |
| 1963 | 623        | 1973                       | 833        | 1975-79 | 3.0                        |
| 1964 | 641        | 1974                       | 858        |         |                            |
| 1965 | 660        | 1975                       | 883        |         |                            |
| 1966 | 680        | 1976                       | 909        |         |                            |
| 1967 | 701        | 1977                       | 936        |         |                            |
| 1968 | 722        | 1978                       | 964        |         |                            |
| 1969 | 744        | 1979                       | 994        |         |                            |

**NOTES:** 1950-79—Based on the 1970 census and assumed trends in growth rates which take into consideration U.N. estimates.

#### MAJOR SOURCES

All sources are shown in the country notes.

**BENCHMARK DATA**

|  |           |
|--|-----------|
| 1. Enumerated population, census of October-December 1977..... | 5,098,427 |
| 2. Adjusted population, census of October-December 1977.....   | NA        |
| 3. Births per 1,000 population.....                            | NA        |
| 4. Deaths per 1,000 population.....                            | NA        |
| 5. Annual rate of growth.....                                  | NA        |
| 6. Life expectancy at birth.....                               | NA        |
| 7. Infant deaths per 1,000 live births.....                    | NA        |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 5,346,000 |
| 9. Births per 1,000 population, 1978.....      | 51        |
| 10. Deaths per 1,000 population, 1978.....     | 22-23     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.8-3.0   |

**NOTES:**

1. Preliminary census figure (UNFPA, 1979). The nomadic population in northern areas was enumerated in May-July 1977 (Maitra, 1979). Population is de jure.
2. The 1977 census has not been evaluated for possible coverage error.
- 3-7. Data not available. Applying various techniques to the 1959-60 Demographic Survey data (Mission Démographique du Niger, 1962) results in a wide range in estimated crude birth and death rates, life expectancy at birth, and infant mortality rates. The estimates for the crude birth rate vary from a low of 46 per 1,000 population, estimated at the U.S. Bureau of the Census based on the Brass fertility technique and the  $P_3/F_3$  ratio ( $P_2/F_2$  ratio implies a crude birth rate of 53 per 1,000), to a high of 60 per 1,000 based on unadjusted data on births during the 12 months preceding the survey (Mission Démographique du Niger, 1962, p. 46). The estimates for the crude death rate vary from a low of 25 per 1,000 population, based on survivorship from birth to two years of age ( $l_2$ ) and west region model life tables, to a high of 32 per 1,000, based on stable population analysis (Dankoussou et al., 1975, p. 686). Estimated life expectancy at birth varies from 35 years, based on stable population analysis (Weisler, 1973), to 39 years estimated at the U.S. Bureau of the Census based on the Sullivan mortality technique ( $l_2$ ) and the south region model. The estimates of the infant mortality rate vary from 194 per 1,000 live births, estimated at the U.S. Bureau of the Census based on the Trussell mortality technique ( $l_2$ ) and the south region model, to a high of 240 per 1,000 based on surviving children (Mission Démographique du Niger, 1962, p. 48). A growth rate of 3.2 percent can be estimated based on the 1959-60 survey and the 1977 preliminary census populations. Both populations are de jure.
8. See notes for Midyear Population Estimates.
- 9-11. Derived by interpolation of 1975-80 and 1980-85 projected rates from the U.N. high, medium, and low variant projections (U.N., 1979, tables 2-A, 7, and 9). Birth rate figures round to the same number for all three variants.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,291      | 1970                       | 4,128      | 1950-55 | 2.3                        |
| 1955 | 2,572      | 1971                       | 4,246      | 1955-60 | 2.5                        |
| 1960 | 2,913      | 1972                       | 4,368      | 1960-65 | 4.1                        |
| 1961 | 3,030      | 1973                       | 4,494      | 1965-70 | 2.9                        |
| 1962 | 3,162      | 1974                       | 4,626      | 1970-75 | 2.9                        |
| 1963 | 3,303      | 1975                       | 4,761      | 1975-79 | 2.9                        |
| 1964 | 3,443      | 1976                       | 4,901      |         |                            |
| 1965 | 3,574      | 1977                       | 5,045      |         |                            |
| 1966 | 3,694      |                            |            |         |                            |
| 1967 | 3,804      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 3,910      | 1978                       | 5,193      |         |                            |
| 1969 | 4,017      | 1979                       | 5,346      |         |                            |

**NOTES:** 1950-77—Based on the 1977 census and assumed growth rates which take into consideration U.N. estimates.

1978-79—Projected based on the 1977 census and assumed trends in fertility and mortality.

#### MAJOR SOURCES

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## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population.....                        | NA      |
| 2. Adjusted population.....                          | NA      |
| 3. Births per 1,000 population, 1970-73.....         | 49-52   |
| 4. Deaths per 1,000 population, 1970-73.....         | 21      |
| 5. Annual rate of growth, 1970-73 (percent).....     | 2.9-3.1 |
| 6. Life expectancy at birth, 1970-73.....            | 41      |
| 7. Infant deaths per 1,000 live births, 1965-66..... | 178     |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 74,595,000 |
| 9. Births per 1,000 population, 1978.....      | 49-51      |
| 10. Deaths per 1,000 population, 1978.....     | 17-20      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.9-3.4    |

## NOTES:

- 1-2. Data not available. Population censuses were taken in 1952-53, 1962, 1963, and 1973, but none of these are deemed adequate for making an accurate population estimate.
3. Lower bound of range is based on births during the 12 months preceding the 1971-73 National Fertility, Family and Family Planning (KAP) Survey, adjusted for coding errors, as reported by Ekanem (no date, p. 131). The upper bound is based on unadjusted data from the 1971-73 survey as reported by Ojelade (no date, table 3a).
4. Estimate based on deaths during the 12 months preceding the 1971-73 KAP Survey as reported by Ekanem, no date, p. 178, and Ojelade, no date, table 4a. Both estimates round to the same number.
5. Range of variation based on selected combinations of unrounded crude birth and death rates (49.2 and 20.6 per 1,000 and 52.1 and 21.1 per 1,000, respectively).
6. Estimate based on an empirical life table derived by Ekanem (no date, p. 196) from 1971-73 survey data. A life expectancy at birth of 37 years estimated from an empirical life table for rural areas only is reported in the 1965-66 rural demographic survey report (Federal Office of Statistics, 1968, p. 29).
7. Estimate derived from an empirical life table for rural areas only, reported in the 1965-66 rural demographic survey (Federal Office of Statistics, 1968, p. 29). Using data from the 1971-73 survey, Ekanem (no date, p. 196) derived empirical life tables which indicate an infant mortality rate of 109 per 1,000 live births. The source states that infant deaths appear to be underestimated in the 1971-73 survey.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1970-73 which take into consideration alternative U.N. projections.
11. Projected range of variation given possible combinations of crude birth and death rates.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| <b>PROJECTED ESTIMATES</b> |            | 1968 | 53,100     | 1950-55 | 2.3                        |
| 1950                       | 33,230     | 1969 | 54,692     | 1955-60 | 2.6                        |
| 1955                       | 37,255     | 1970 | 56,346     | 1960-65 | 2.8                        |
| 1960                       | 42,367     | 1971 | 58,065     | 1965-70 | 2.9                        |
| 1961                       | 43,529     | 1972 | 59,853     | 1970-75 | 3.1                        |
| 1962                       | 44,740     | 1973 | 61,713     | 1975-79 | 3.2                        |
| 1963                       | 46,000     | 1974 | 63,648     |         |                            |
| 1964                       | 47,312     | 1975 | 65,663     |         |                            |
| 1965                       | 48,676     | 1976 | 67,760     |         |                            |
| 1966                       | 50,094     | 1977 | 69,942     |         |                            |
| 1967                       | 51,568     | 1978 | 72,217     |         |                            |
|                            |            | 1979 | 74,595     |         |                            |

NOTES: 1950-79—Based on the U.N. (1979) population estimates and growth rates.

#### MAJOR SOURCES

Ayeni, O. 1974. *The Demographic Characteristics of Nigeria*. Unpublished Ph. D. dissertation. University of London.

Ekanem, I. I. no date. *Population Growth and Policy in Nigeria*. Unpublished.

Federal Office of Statistics. 1968. *Rural Demographic Sample Survey 1965-66*. Lagos.

Iro, M. I. 1973. *The Demography of Nigeria, 1950-66: With Special Reference to the Methods and Accuracy of the Population Censuses During This Period*. Unpublished Ph. D. Dissertation. Cornell University.

Ojelade, M. A. no date. *A Comparative Demographic Account of Southwestern, Eastern and Northern Nigeria 1971-73: Evidence from a Sample Survey*. Unpublished.

Olusanya, P. O. 1975. "Population Growth and Its Components: The Nature and Direction of Population," *Population Growth and Socioeconomic Change in West Africa*. ed. J. C. Caldwell.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|    |  |         |
|----|--|---------|
| 1. | Enumerated population, census of October 16, 1974..... | 476,675 |
| 2. | Adjusted population, census of October 16, 1974.....   | NA      |
| 3. | Births per 1,000 population, 1978.....                 | 25      |
| 4. | Deaths per 1,000 population, 1978.....                 | 6       |
| 5. | Annual rate of growth, 1978 (percent).....             | 1.6     |
| 6. | Life expectancy at birth, 1969-72.....                 | 59      |
| 7. | Infant deaths per 1,000 live births, 1977.....         | 21      |

## PROJECTED ESTIMATES

|     |  |         |
|-----|--|---------|
| 8.  | Population, July 1, 1979.....              | 503,000 |
| 9.  | Births per 1,000 population, 1978.....     | 25      |
| 10. | Deaths per 1,000 population, 1978.....     | 6       |
| 11. | Annual rate of growth, 1978 (percent)..... | 1.6     |

## NOTES:

1. Census figure as reported by France, 1978b, table 1.
2. The 1974 census has not been evaluated for possible coverage error.
- 3-4. Calculated at the U.S. Bureau of the Census based on registered births, deaths adjusted for 1 percent underregistration (France, 1979), and estimated midyear population. Deaths were adjusted for the same percent underregistration estimated for 1977 based on an adjustment of infant deaths for 12 percent underregistration (deaths ages 1 and over were accepted as complete). Infant deaths for 1978 were not available.
5. Difference between unrounded crude birth and death rates and a net emigration rate of 2.9 per 1,000 population. The net emigration rate was calculated at the U.S. Bureau of the Census based on estimated net migrants for 1978 derived considering the trend of official migration estimates through October 1977 (France, 1977a and 1978a) and estimated midyear population.
6. Official estimate as reported in France, no date a, p. 40.
7. Based on the 1977 registered infant mortality rate of 18 (excluding live-born infants dying before registration of birth) as reported in *PVSR April 1979* adjusted at the U.S. Bureau of the Census for an estimated 12 percent underregistration of infant deaths.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 244        | 1970                       | 445        | 1950-55 | 3.2                        |
| 1955 | 286        | 1971                       | 453        | 1955-60 | 3.3                        |
| 1960 | 338        | 1972                       | 462        | 1960-65 | 3.0                        |
| 1961 | 348        | 1973                       | 469        | 1965-70 | 2.5                        |
| 1962 | 359        | 1974                       | 475        | 1970-75 | 1.4                        |
| 1963 | 371        | 1975                       | 478        | 1975-79 | 1.3                        |
| 1964 | 384        | 1976                       | 481        |         |                            |
| 1965 | 393        | 1977                       | 487        |         |                            |
| 1966 | 403        | 1978                       | 494        |         |                            |
| 1967 | 414        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 425        | 1979                       | 503        |         |                            |
| 1969 | 436        |                            |            |         |                            |

**NOTES:** 1950-67—Official midyear estimates (France, no date a, pp. 29 and 34) based on the 1954, 1961, and 1967 censuses.

1968-78—Estimated at the U.S. Bureau of the Census based on the 1967 and 1974 censuses, registered births, adjusted deaths, and estimated net migrants for each year 1967 to 1978 (France, 1977b, table 3; 1978a, p. 22; 1979; and *PVSR April 1979*).

1979—Projected based on the 1978 midyear population and projected births, deaths, and net emigrants based on past trends.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| July 1, 1954     | 274,370               |                     | The 1954, 1961, and 1967 enumerated populations are reported in <i>UNDY 1970</i> , table 7; the 1974 population is reported in France, 1978b, table 1. |
| October 9, 1961  | 349,282               |                     |  |
| October 16, 1967 | 416,525               |                     |  |
| October 16, 1974 | 476,675               |                     |  |

#### MAJOR SOURCES

- France. INSEE. 1977a. *Informations Statistiques Rapides - Réunion*. November.
- \_\_\_\_\_. [1977b.] *Statistiques Démographiques. Mouvement Naturel de la Population. Année 1976. Réunion (Résultats Provisaires)*. Paris.
- \_\_\_\_\_. [1978a.] *Memento Statistique 1977 - Réunion. Aperçu Général*. Paris.
- \_\_\_\_\_. 1978b. *Recensement Général de la Population du 16 Octobre 1974. Réunion. (Principaux Résultats Provisaires)*. Paris.
- \_\_\_\_\_. 1979. Unpublished data.
- \_\_\_\_\_. no date a. *Annuaire Statistique de la Réunion, 1969-1972*. Paris.
- \_\_\_\_\_. no date b. *Recensement Démographique de la Réunion du 16 Octobre 1967. Principaux Résultats (Provisaires)*. Paris.
- \_\_\_\_\_. no date c. *Statistique du Mouvement de la Population dans les Départements d'Outre-Mer, Martinique-Guadeloupe-Guyane-Réunion, Année 1965 à 1970*. Paris.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of August 15-16, 1978..... | 4,819,317 |
| 2. Adjusted population, census of August 15-16, 1978.....   | NA        |
| 3. Births per 1,000 population, 1970.....                   | 48-51     |
| 4. Deaths per 1,000 population, 1970.....                   | 22        |
| 5. Annual rate of growth, 1970 (percent).....               | 2.7-3.0   |
| 6. Life expectancy at birth, 1970.....                      | 40        |
| 7. Infant deaths per 1,000 live births, 1970.....           | 127       |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 4,955,000 |
| 9. Births per 1,000 population, 1978.....      | 48-51     |
| 10. Deaths per 1,000 population, 1978.....     | 19-20     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.8-3.2   |

## NOTES:

1. Preliminary census figure (U.S. Embassy/Rwanda, 1978).
2. The 1978 census has not been evaluated for possible coverage error.
3. Range of variation calculated at the U.S. Bureau of the Census based on data from the 1970 Demographic Survey (Office Général des Statistiques, 1973b, pp. 158 and 272). The upper bound is based on births during the 12 months preceding the 1970 survey. The lower bound is an adjusted estimate based on an application of the Mortara fertility technique to data from the 1970 survey.
4. Official estimate based on deaths during the 12 months preceding the 1970 survey as reported in Office Général des Statistiques, 1973b, pp. 158 and 276.
5. Range based on possible combinations of unrounded crude birth and death rates and an estimated net immigration rate of 0.8 per 1,000 population. Migration is based on the number of refugees entering and leaving Rwanda as reported in U.N., various issues, 1967 to 1977a.
- 6-7. Official estimate based on data from the 1970 survey as reported in Office Général des Statistiques (1973a, pp. 110 and 112).
8. See notes for Midyear Population Estimates.
9. Projected range of variation assuming no significant change in fertility since 1970.
10. Projected range of variation assuming a slight decline in mortality since 1970 based on the 1975-80 and 1980-85 projected rates from the high, medium, and low variant projections prepared by the U.N. (1979, annex tables 2-A, 7, and 9).
11. Range of variation given possible combinations of unrounded crude birth and death rates, assuming no significant international migration for 1978.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,431      | 1970                       | 3,786      | 1950-55 | 2.1                        |
| 1955 | 2,704      | 1971                       | 3,896      | 1955-60 | 2.3                        |
| 1960 | 3,038      | 1972                       | 4,010      | 1960-65 | 1.5                        |
| 1961 | 3,051      | 1973                       | 4,128      | 1965-70 | 2.9                        |
| 1962 | 3,056      | 1974                       | 4,242      | 1970-75 | 2.9                        |
| 1963 | 3,133      | 1975                       | 4,368      | 1975-79 | 3.2                        |
| 1964 | 3,188      | 1976                       | 4,506      |         |                            |
| 1965 | 3,269      | 1977                       | 4,651      |         |                            |
| 1966 | 3,364      | 1978                       | 4,800      |         |                            |
| 1967 | 3,458      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 3,557      | 1979                       | 4,955      |         |                            |
| 1969 | 3,669      |                            |            |         |                            |

**NOTES:** 1950-79—Estimated and projected population based on the preliminary results of the 1978 population census, and estimated and projected fertility, mortality, and migration trends during the period. Fertility and mortality trends were based on estimated vital rates from the 1970 survey (Office Général des Statistiques, 1973b, pp. 158, 272, and 276) and estimated and projected vital rates from the U.N. (1979, pp. 47 and 52). Migration is based on the number of refugees entering and leaving Rwanda as reported in U.N., General Assembly, various issues, 1962 to 1978b; and U.N., High Commissioner for Refugees, 1979.

**MAJOR SOURCES**

Office Général des Statistiques, 1973a. *Enquête Démographique 1970*, vol. I. Paris.

\_\_\_\_\_. 1973b. *Enquête Démographique 1970*, vol. II. Paris.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

\_\_\_\_\_. General Assembly. Various issues, 1962 to 1978a. *Report of the United Nations High Commissioner for Refugees*. New York.

\_\_\_\_\_. 1978b. *Report on UNHCR Assistance Activities in 1977-78 and Proposed Voluntary Funds Programmes and Budget for 1979*. A/AC.96/553. New York.

\_\_\_\_\_. High Commissioner for Refugees. 1979. *UNHCR*, Spring. [Geneva.]

U.S. Embassy/Rwanda. 1978. Airgram A-45. Kilgali.

**BENCHMARK DATA**

|   |       |
|---|-------|
| 1. Enumerated population, census of October 31, 1976..... | 5,147 |
| 2. Adjusted population, census of October 31, 1976.....   | NA    |
| 3. Births per 1,000 population.....                       | NA    |
| 4. Deaths per 1,000 population.....                       | NA    |
| 5. Annual rate of growth.....                             | NA    |
| 6. Life expectancy at birth.....                          | NA    |
| 7. Infant deaths per 1,000 live births.....               | NA    |

**PROJECTED ESTIMATES**

|  |       |
|--|-------|
| 8. Population, July 1, 1979.....               | 6,500 |
| 9. Births per 1,000 population, 1978.....      | 19    |
| 10. Deaths per 1,000 population, 1978.....     | 7     |
| 11. Annual rate of growth, 1978 (percent)..... | 1.5   |

**NOTES:**

1. Final census figure as reported in *PVSR October 1979* for Saint Helena. Figure excludes Ascension, with 849 inhabitants enumerated in its census of December 31, 1978 and Tristan da Cunha, with 186 inhabitants enumerated in 1938.
2. The 1976 census has not been evaluated for possible coverage error.
- 3-4. Data not available. A crude birth rate of 18.5 per 1,000 population and a crude death rate of 7.4 per 1,000 population for 1978 are reported in *PVSR October 1979*, but completeness of registration is unknown. Data are for Saint Helena only.
5. Data not available.
- 6-7. Data not available. Using stable population analysis and Coale-Demeny south region model life tables, a life expectancy at birth of 72 years and an infant mortality rate of 47 per 1,000 can be estimated for 1975.
8. See notes for Midyear Population Estimates.
- 9-10. Registered rates as reported in *PVSR October 1979*. Data are for Saint Helena only.
11. Projected based on combined population estimates for Saint Helena, Ascension and Tristan da Cunha.

## SAINT HELENA

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |  |
|------|------------|----------------------------|------------|---------|----------------------------|--|
| 1950 | 5.2        | 1970                       | 5.7        | 1950-55 | 0.0                        |  |
| 1955 | 5.3        | 1971                       | 5.8        | 1955-60 | 0.2                        |  |
| 1960 | 5.3        | 1972                       | 5.9        | 1960-65 | 0.2                        |  |
| 1961 | 5.3        | 1973                       | 5.9        | 1965-70 | 1.1                        |  |
| 1962 | 5.3        | 1974                       | 6.0        | 1970-75 | 1.4                        |  |
| 1963 | 5.4        | 1975                       | 6.1        | 1975-79 | 1.5                        |  |
| 1964 | 5.4        | 1976                       | 6.2        |         |                            |  |
| 1965 | 5.4        | <b>PROJECTED ESTIMATES</b> |            |         |                            |  |
| 1966 | 5.4        | 1977                       | 6.3        |         |                            |  |
| 1967 | 5.5        |                            |            |         |                            |  |
| 1968 | 5.5        | 1978                       | 6.4        |         |                            |  |
| 1969 | 5.6        | 1979                       | 6.5        |         |                            |  |

**NOTES:** 1950-76—Based on the 1946, 1956, 1966 and 1976 censuses for Saint Helena, the 1946, 1956, 1966 and 1978 censuses for Ascension, and the 1938 census and the 1978 official estimate (*PVSR October 1979*) for Tristan da Cunha. The estimates for the three islands were combined.

1977-79—Projected assuming a constant rate of growth since 1976 for Saint Helena and since 1978 for Ascension and Tristan da Cunha.

The following censuses were used in deriving the population time series:

| Census date                 | Enumerated population | Adjusted population | Source   |
|-----------------------------|-----------------------|---------------------|--|
| Saint Helena and Ascension: |                       |                     | Enumerated populations for Saint Helena and Ascension as reported in <i>UNDY 1970</i> , table 7. Enumerated populations for Saint Helena in 1976, Ascension in 1978 and Tristan da Cunha in 1938 as reported in <i>PVSR October 1979</i> . |
| October 27, 1946            | 5,040                 |                     |  |
| October 21, 1956            | 5,032                 |                     |  |
| July 24, 1966               | 5,125                 |                     |  |
| Saint Helena:               |                       |                     |  |
| October 31, 1976            | 5,147                 |                     |  |
| Ascension:                  |                       |                     |  |
| December 31, 1978           | 849                   |                     |  |
| Tristan da Cunha:           |                       |                     |  |
| March 1938                  | 186                   |                     |  |

#### MAJOR SOURCES

All sources are shown in the country notes.

## BENCHMARK DATA

|   |        |
|---|--------|
| 1. Enumerated population, census of September 30, 1970..... | 73,811 |
| 2. Adjusted population, census of September 30, 1970.....   | NA     |
| 3. Births per 1,000 population, 1973.....                   | 40     |
| 4. Deaths per 1,000 population, 1973.....                   | 13     |
| 5. Annual rate of growth, 1972-73 (percent).....            | 1.4    |
| 6. Life expectancy at birth.....                            | NA     |
| 7. Infant deaths per 1,000 live births, 1973.....           | 75     |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 82,100  |
| 9. Births per 1,000 population, 1978 .....     | 37-40   |
| 10. Deaths per 1,000 population, 1978 .....    | 10-12   |
| 11. Annual rate of growth, 1978 (percent)..... | 1.1-1.2 |

## NOTES:

1. Provisional 1970 census figure as reported in *PVSR October 1979*.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered births and deaths (Portugal, 1975, Chapter 2, table 6) and an official midyear population for 1973 (Paxton, 1977, p. 1,283).
5. Based on official midyear population for 1972 and 1973 (U.N., 1979; and Paxton, 1977, p. 1,283). The crude birth and death rates for 1972-73 are estimated to be 42.3 and 12.1 per 1,000 population, respectively. The difference between the estimated rate of natural increase and the estimated growth rate implies a net emigration rate of 16.2 per 1,000 population.
6. Data not available.
7. Based on registered infant deaths and births (Portugal, 1975, Chapter 2, table 6).
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on past trends of crude birth and death rates.
11. Projected range of variation based on possible combinations of crude birth and death rates and a projected net emigration rate of 16.2 per 1,000 population, based on past trends in migration.

## SAO TOME AND PRINCIPE

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 59.7       | 1970                       | 73.6       | 1950-55 | 0.2                        |
| 1955 | 60.2       | 1971                       | 74.4       | 1955-60 | 1.0                        |
| 1960 | 63.4       | 1972                       | 75.4       | 1960-65 | 1.6                        |
| 1961 | 64.3       | 1973                       | 76.4       | 1965-70 | 1.4                        |
| 1962 | 65.3       |                            |            | 1970-75 | 1.2                        |
| 1963 | 66.4       | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 1.2                        |
| 1964 | 67.5       | 1974                       | 77.3       |         |                            |
| 1965 | 68.7       | 1975                       | 78.3       |         |                            |
| 1966 | 69.8       | 1976                       | 79.3       |         |                            |
| 1967 | 70.8       | 1977                       | 80.2       |         |                            |
| 1968 | 71.8       | 1978                       | 81.2       |         |                            |
| 1969 | 72.7       | 1979                       | 82.1       |         |                            |

**NOTES:** 1950-73—Based on the 1950, 1960, and 1970 censuses, official midyear population for 1970 to 1973 (U.N., 1979; and Paxton, 1977, p. 1,283), annual registered births and deaths, and estimated net migration.

1974-79—Based on the official midyear population estimate for 1973 and assumed trends in fertility, mortality, and net migration which take into consideration past trends.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source   |
|--------------------|-----------------------|---------------------|--|
| December 15, 1950  | 60,159                |                     | Enumerated populations for 1950 and 1960 as reported in <i>UNDY 1970</i> , table 7; the provisional 1970 census figure as reported in <i>PVSR October 1979</i> . |
| December 15, 1960  | 64,149                |                     |  |
| September 30, 1970 | 73,811                |                     |  |

### MAJOR SOURCES

Paxton, John, ed. 1977. *The Statesman's Year-Book*. Suffolk, England.

Portugal. Instituto Nacional de Estatística. 1975. *Anuário Estatístico. Provincias Ultramarinas*, 1973, vol. II. Lisbon.

United Nations. Statistical Office. 1979. Personal communication.

**BENCHMARK DATA**

|   |           |
|---|-----------|
| 1. Enumerated population, census of April 16, 1976..... | 5,085,388 |
| 2. Adjusted population, census of April 16, 1976.....   | NA        |
| 3. Births per 1,000 population, 1970-71.....            | 46-48     |
| 4. Deaths per 1,000 population, 1970-71.....            | 20-22     |
| 5. Annual rate of growth, 1970-71 (percent).....        | 2.6       |
| 6. Life expectancy at birth.....                        | NA        |
| 7. Infant deaths per 1,000 live births.....             | NA        |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 5,532,000 |
| 9. Births per 1,000 population, 1978.....      | 46-48     |
| 10. Deaths per 1,000 population, 1978.....     | 19-20     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.6-2.8   |

**NOTES:**

1. Provisional census figure as reported in Direction de la Statistique (no date, p. 4). Population is de jure.
2. The 1976 census has not been evaluated for possible coverage error.
3. The lower bound of the range is based on provisional data on births during the 12 months preceding the second round of the 1970-71 multi-round survey as reported by Direction de la Statistique, 1973, p. 6. Upper bound of the range is based on the 1970-71 survey as reported by Director of Statistics, 1977.
4. The lower bound of the range is based on provisional data on deaths during the 12 months preceding the second round of the 1970-71 multi-round survey as reported by Direction de la Statistique, 1973, p. 6. Upper bound of range is based on the 1970-71 survey as reported by Director of Statistics, 1977.
5. Difference between unrounded crude birth and death rates (45.9 and 20.3 per 1,000 population, and 48.0 and 22.0 per 1,000 population). Both sets of rates round to the same figure.
- 6-7. Data not available. Applying stable population analysis to the results of the 1970-71 survey and Coale-Demeny south region model life tables, a life expectancy of 43-45 years and an infant mortality rate of 155-164 per 1,000 live births can be estimated for 1970-71.
8. See notes for Midyear Population Estimates.
9. Projected range of variation assuming no significant change in fertility since 1970-71.
10. Projected range of variation based on assumed declines in mortality since 1970-71 which take into consideration alternative U.N. estimates.
11. Range of variation given selected combinations of unrounded crude birth and death rates (45.9 per 1,000 and 19.4 per 1,000 population and 48.0 per 1,000 and 19.8 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,751      | 1970                       | 4,385      | 1950-55 | 2.2                        |
| 1955 | 3,065      | 1971                       | 4,498      | 1955-60 | 2.3                        |
| 1960 | 3,435      | 1972                       | 4,615      | 1960-65 | 2.4                        |
| 1961 | 3,519      | 1973                       | 4,735      | 1965-70 | 2.5                        |
| 1962 | 3,604      | 1974                       | 4,857      | 1970-75 | 2.6                        |
| 1963 | 3,692      | 1975                       | 4,983      | 1975-79 | 2.6                        |
| 1964 | 3,781      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 3,873      | 1976                       | 5,113      |         |                            |
| 1966 | 3,967      | 1977                       | 5,245      |         |                            |
| 1967 | 4,068      |                            |            |         |                            |
| 1968 | 4,171      | 1978                       | 5,387      |         |                            |
| 1969 | 4,276      | 1979                       | 5,532      |         |                            |

**NOTES:** 1950-79—Based on the 1976 provisional census figure and assumed trends in fertility and mortality since 1950, which take into consideration alternative U.N. estimates.

**MAJOR SOURCES**

Direction de la Statistique. 1973. *Enquête Démographique Nationale 1970-1971. Méthodologie et Documents Annexes*. Dakar.

\_\_\_\_\_. 1974. *Enquête Démographique Nationale 1970-71. Résultats Définitifs*, vol. 1. *Pyramides des Ages*. Dakar.

\_\_\_\_\_. no date. *Résultats Provisoires du Recensement Général de la Population d'Avril 1976*. Dakar.

Director of Statistics. 1977. Personal communication.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|   |        |
|---|--------|
| 1. Enumerated population, census of August 1, 1977..... | 61,327 |
| 2. Adjusted population, census of August 1, 1977.....   | 61,898 |
| 3. Births per 1,000 population, 1977.....               | 26     |
| 4. Deaths per 1,000 population, 1977.....               | 8      |
| 5. Annual rate of growth, 1977 (percent).....           | 2.0    |
| 6. Life expectancy at birth, 1970-72.....               | 65     |
| 7. Infant deaths per 1,000 live births, 1977.....       | 43     |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 64,000 |
| 9. Births per 1,000 population, 1978.....      | 25     |
| 10. Deaths per 1,000 population, 1978.....     | 8      |
| 11. Annual rate of growth, 1978 (percent)..... | 1.8    |

## NOTES:

1. Final census figure as reported in Census Commissioner, 1978, p. 43.
2. Official adjustment as reported in Census Commissioner (1978, p. 43) based on an estimate of underenumeration of the population under two years of age. This adjustment implies an overall net underenumeration of 0.9 percent.
- 3-4. Based on registered births and deaths, tabulated by year of registration (*PVSR October 1979*) and official midyear population.
5. Based on the difference between unrounded crude birth and death rates and an estimated net immigration rate of 1.6 per 1,000 population (based on the trend of official net migration rates through June 30, 1977).
6. Based on official life tables as reported in *UNDY 1975*, table 16.
7. Registered rate as reported in *PVSR October 1979*.
8. See notes for Midyear Population Estimates.
9. Projected based on assumed trend of fertility since 1977.
10. Projected assuming no significant change in mortality since 1977.
11. Difference between unrounded crude birth and death rates and a projected net immigration rate of 0.8 per 1,000 population.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 32.9       | 1970                       | 53.3       | 1950-55 | 1.7                        |
| 1955 | 35.9       | 1971                       | 54.7       | 1955-60 | 3.0                        |
| 1960 | 41.7       | 1972                       | 56.0       | 1960-65 | 2.6                        |
| 1961 | 42.9       | 1973                       | 56.9       | 1965-70 | 2.3                        |
| 1962 | 43.7       | 1974                       | 57.9       | 1970-75 | 2.1                        |
| 1963 | 45.0       | 1975                       | 59.3       | 1975-79 | 1.9                        |
| 1964 | 46.5       | 1976                       | 60.5       |         |                            |
| 1965 | 47.4       | 1977                       | 61.8       |         |                            |
| 1966 | 48.4       |                            |            |         |                            |
| 1967 | 49.4       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 50.5       | 1978                       | 63.0       |         |                            |
| 1969 | 51.8       | 1979                       | 64.0       |         |                            |

**NOTES:** 1950-60—Official estimates reported by Blacker and Hobcraft (1977, table 1) based on the 1960 census and registered births and deaths.

1961-77—Official estimates (Census Commissioner, 1978, table 13.3) based on the enumerated 1960 and adjusted 1977 censuses and registered births, deaths, and migrants.

1978-79—Projected based on the 1977 midyear population and projected crude birth, death, and net migration rates (derived by assuming a slight decline in the crude birth rate, no significant change in the crude death rate, and a rapid decline in the net immigration rate since 1977).

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source  |
|----------------|-----------------------|---------------------|---|
| May 4, 1960    | 41,425                |                     | Enumerated populations as reported in <i>UNDY 1970</i> , table 7; and Census Commissioner, 1978, p. 43, respectively. |
| August 1, 1977 | 61,327                | 61,898              |   |
|                |                       |                     | The 1977 census adjusted for 0.9 percent net underenumeration as reported in Census Commissioner, 1978, p. 43.        |

#### MAJOR SOURCES

Blacker, J. G. C. and J. N. Hobcraft. 1977. "Fertility, Mortality and Population Growth in the Seychelles." Unpublished paper.

Census Commissioner. 1978. *1977 Census Report*. [Victoria.]

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of December 8, 1974..... | 2,735,159 |
| 2. Adjusted population, census of December 8, 1974.....   | 3,002,426 |
| 3. Births per 1,000 population, 1974.....                 | 43-49     |
| 4. Deaths per 1,000 population.....                       | NA        |
| 5. Annual rate of growth.....                             | NA        |
| 6. Life expectancy at birth.....                          | NA        |
| 7. Infant deaths per 1,000 live births.....               | NA        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 3,309,000 |
| 9. Births per 1,000 population, 1978.....      | 42-48     |
| 10. Deaths per 1,000 population, 1978.....     | 26-27     |
| 11. Annual rate of growth, 1978 (percent)..... | 1.6-2.2   |

## NOTES:

- Final census figure as reported in *PVSR October 1979*.
- The 1974 census figure was officially adjusted for 10 percent underenumeration (*PVSR October 1979*) based on comparisons of independent population estimates of each enumeration area to the census results (Makannah, 1977).
- Range of variation based on data from the 1973 pilot census. The lower bound of the range was based on an application of the Brass fertility technique (average of adjusted  $P_1/F_1$  and  $P_2/F_2$  ratios) to data from the 1973 pilot census; the upper bound was based on the Brass fertility technique (unadjusted  $P_2/F_2$  ratio) as derived by Blacker, et al. (1977, tables 3 and 4). The age-sex distribution used was the graduated 1974 census (Okoye, no date, appendices 3 and 6).
- Data not available. Stable populations constructed based on Blacker's life tables (see notes 6-7) and adjusted age-specific fertility rates (see note 3) yield crude death rates ranging from 31.5 to 32.2 per 1,000 population.
- Data not available. Stable populations based on estimates by Blacker yield growth rates circa 1968 of 1.3 percent and 1.9 percent, respectively. The 1963 and 1974 census figures imply an intercensal growth rate of 1.9 percent.
- Data not available. Blacker, et al. (1977, table 9) estimated male and female life tables based on results of the 1973 pilot census using the Brass mortality technique and the orphanhood technique. These estimates were combined using the logit mortality technique with the Brass African standard. The resulting expectation of life at birth was 33 years for both sexes combined, and the corresponding infant mortality rate was 246 per 1,000 live births. These estimates apply approximately to the year 1968.
- See notes for Midyear Population Estimates.
- Projected range of variation based on assumed trend of fertility since 1974.
- Projected range of variation based on assumed trend of mortality, which takes into consideration stable population estimates circa 1968.
- Range of variation given selected combinations of crude birth and death rates (41.9 and 26.0 per 1,000 and 48.5 and 26.7 per 1,000, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 1,927      | 1970                       | 2,753      | 1950-55 | 1.8                        |
| 1955 | 2,106      | 1971                       | 2,805      | 1955-60 | 1.8                        |
| 1960 | 2,302      | 1972                       | 2,860      | 1960-65 | 1.8                        |
| 1961 | 2,343      | 1973                       | 2,916      | 1965-70 | 1.8                        |
| 1962 | 2,385      | 1974                       | 2,976      | 1970-75 | 2.0                        |
| 1963 | 2,428      | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 2.1                        |
| 1964 | 2,472      |                            |            |         |                            |
| 1965 | 2,516      | 1975                       | 3,037      |         |                            |
| 1966 | 2,561      | 1976                       | 3,101      |         |                            |
| 1967 | 2,607      | 1977                       | 3,168      |         |                            |
| 1968 | 2,654      | 1978                       | 3,237      |         |                            |
| 1969 | 2,703      | 1979                       | 3,309      |         |                            |

**NOTES:** 1950-79—Based on the adjusted 1974 census and assumed trends in fertility and mortality since 1950.

#### MAJOR SOURCES

Blacker, J. G. C., Thomas E. Dow, Jr., and Toma J. Makannah. 1977. "A Note on Fertility and Mortality in Sierra Leone." Unpublished.

Makannah, Toma (Central Statistics Office). 1977. Personal communication.

Okoye, C. S. no date. "An Evaluation of the Age and Sex Data of the 1974 Population Census of Sierra Leone." Freetown. Unpublished.

## BENCHMARK DATA

|   |    |
|---|----|
| 1. Enumerated population .....              | NA |
| 2. Adjusted population .....                | NA |
| 3. Births per 1,000 population.....         | NA |
| 4. Deaths per 1,000 population.....         | NA |
| 5. Annual rate of growth.....               | NA |
| 6. Life expectancy at birth.....            | NA |
| 7. Infant deaths per 1,000 live births..... | NA |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 3,474,000 |
| 9. Births per 1,000 population, 1978.....      | 47-49     |
| 10. Deaths per 1,000 population, 1978.....     | 20-24     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3-2.8   |

## NOTES:

1. Data not available. A census was taken in February 1975 but no results are yet available.
- 2-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation considering U.N. (1979) estimated and projected vital rates for 1950-80, and 1968 survey data for selected cities as reported in Statistical Department, 1969.
11. Range of variation given selected combinations of crude birth and death rates (47 and 24 per 1,000 population, and 48 and 20 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| <b>PROJECTED ESTIMATES</b> |            | 1968 | 2,677      | 1950-55 | 1.9                        |
| 1950                       | 1,823      | 1969 | 2,741      | 1955-60 | 2.1                        |
| 1955                       | 2,001      | 1970 | 2,806      | 1960-65 | 2.3                        |
| 1960                       | 2,221      | 1971 | 2,872      | 1965-70 | 2.3                        |
| 1961                       | 2,273      | 1972 | 2,941      | 1970-75 | 2.3                        |
| 1962                       | 2,326      | 1973 | 3,010      | 1975-79 | 2.4                        |
| 1963                       | 2,381      | 1974 | 3,081      |         |                            |
| 1964                       | 2,437      | 1975 | 3,155      |         |                            |
| 1965                       | 2,495      | 1976 | 3,231      |         |                            |
| 1966                       | 2,554      | 1977 | 3,310      |         |                            |
| 1967                       | 2,615      | 1978 | 3,391      |         |                            |
|                            |            | 1979 | 3,474      |         |                            |

**NOTES:** 1950-79—Estimated based on the 1972 official population estimate as reported in *PVSR April 1977*, and assumed growth rates considering U.N. estimates and projections for 1950-80, and 1968 survey data for selected cities as reported in Statistical Department, 1969.

#### MAJOR SOURCES

Statistical Department. 1969. *Somalia Statistics*. [Mogadiscio.]

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

\_\_\_\_\_. Economic Commission for Africa. 1972. *Levels and Trends in Fertility in the Countries of Africa*. E/CN.14/POP/75. New York.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of May 6, 1970..... | 21,794,328 |
| 2. Adjusted population, census of May 6, 1970.....   | 22,376,000 |
| 3. Births per 1,000 population, 1970.....            | 39         |
| 4. Deaths per 1,000 population, 1970.....            | 13         |
| 5. Annual rate of growth, 1970 (percent).....        | 2.6        |
| 6. Life expectancy at birth, 1965-70.....            | 57         |
| 7. Infant deaths per 1,000 live births, 1970.....    | 93-101     |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 27,799,000 |
| 9. Births per 1,000 population, 1978.....      | 35-37      |
| 10. Deaths per 1,000 population, 1978.....     | 12-13      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.1        |

## NOTES:

- Final census figure as reported in Department of Statistics, 1978, p. 1.14.
- Adjusted 1970 census figure implied by official midyear population estimates. A net underenumeration of 2.6 percent is implied.
4. Calculated at the U.S. Bureau of the Census using official crude birth and death rates based on registered data for whites, coloureds, and Asians (Department of Statistics, 1978, pp. 3.4-3.6) and official estimates of the crude birth and death rates for Bantus (Department of Information, 1974, p. 71).
- Difference between crude birth and death rates.
- Calculated at the U.S. Bureau of the Census based on official estimates of life expectancy at birth for whites, coloureds, and Asians for 1960-61 and 1970-71 (Department of Statistics, 1978, p. 3.18) and for Bantus in 1965-70 (Department of Information, 1974, p. 70).
- Calculated at the U.S. Bureau of the Census using registered births and infant deaths for whites, coloureds, and Asians (Department of Statistics, 1978, pp. 3.4-3.6) and official estimates of the crude birth rate and infant mortality rates for Bantus (Department of Information, 1974, p. 71).
- See notes for Midyear Population Estimates.
10. Projected based on official crude birth and death rates for whites, coloureds, and Asians for 1976 (Department of Statistics, 1978, pp. 3.4-3.6) with an assumption of a continued moderate decline in the crude birth rate for whites and an assumption of constant or slightly declining crude birth and death rates for Bantus since 1970 (Department of Information, 1974, p. 71).
11. Projected assuming a continuation of the growth rates implied in the official time series for 1976-77 for all population groups except whites and a component estimate of the white growth rate to 1978. The difference between this growth rate and the unrounded crude birth and death rates implies a net emigration rate of 2 to 4 per 1,000 population.

## SOUTH AFRICA

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 13,573     | 1970                       | 22,465     | 1950-55 | 2.3                        |
| 1955 | 15,210     | 1971                       | 23,022     | 1955-60 | 2.4                        |
| 1960 | 17,122     | 1972                       | 23,655     | 1960-65 | 2.7                        |
| 1961 | 17,577     | 1973                       | 24,295     | 1965-70 | 2.7                        |
| 1962 | 18,048     | 1974                       | 24,915     | 1970-75 | 2.5                        |
| 1963 | 18,547     | 1975                       | 25,466     | 1975-79 | 2.2                        |
| 1964 | 19,076     | 1976                       | 26,099     |         |                            |
| 1965 | 19,607     | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1966 | 20,162     | 1977                       | 26,650     |         |                            |
| 1967 | 20,725     | 1978                       | 27,217     |         |                            |
| 1968 | 21,292     | 1979                       | 27,799     |         |                            |
| 1969 | 21,881     |                            |            |         |                            |

**NOTES:** 1950-76—Based on official midyear population estimates, 1950-76, for coloureds and Asians (Department of Statistics, 1972b, p. A-10; and 1978, p. 1.4); official midyear population estimates, 1960-76 (Department of Statistics, 1978, p. 1.4), and reported natural increase and net migration, 1950-60 (Department of Statistics, 1978, p. 3.4; and 1972b, p. 1) for whites; and official midyear Bantu population estimates, 1960-76 (based on earlier population series for 1950-60 reported in Department of Statistics, 1972b, p. A-10). These estimates are based on official adjusted population censuses for 1960 and 1970.

1977-79—Projected assuming a continuation of recent trends in the growth rates of the four population groups.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| May 8, 1951       | 12,671,452            | 13,835,000          | Enumerated populations for 1951, 1960, and 1970 as reported in Department of Statistics, 1972b, p. A-3; and 1978, p. 1.14. |
| September 6, 1960 | 15,994,181            | 17,206,000          |  |
| May 6, 1970       | 21,794,328            | 22,376,000          |  |

The 1951 enumerated population was adjusted based on 1950-51 midyear estimates derived at the U.S. Bureau of the Census. The 1960 and 1970 populations are those implied by the official midyear population estimates for 1960 and 1961 and for 1969 and 1970, respectively, as reported in Department of Statistics, 1978, p. 1.4. The net underenumeration implied by the above adjustments is 9.2 percent, 7.6 percent, and 2.7 percent for the censuses of 1951, 1960, and 1970, respectively.

**MAJOR SOURCES**

Bureau of Census and Statistics. no date. *Population Census, May 8, 1951*, vol. IV. Pretoria.

Department of Information. 1974. *South Africa 1974: Official Yearbook of the Republic of South Africa*. Pretoria.

Department of Statistics. 1972a. *Migration Statistics: Immigrants and Emigrants 1966 to 1969*. Report No. 19-01-01. Pretoria.

\_\_\_\_\_. 1972b. *South African Statistics 1972*. Pretoria.

\_\_\_\_\_. 1978. *South African Statistics 1978*. Pretoria.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of April 3, 1973..... | 14,113,590 |
| 2. Adjusted population, census of April 3, 1973.....   | 14,819,270 |
| 3. Births per 1,000 population, 1973.....              | 49-50      |
| 4. Deaths per 1,000 population, 1973.....              | 19         |
| 5. Annual rate of growth, 1973 (percent).....          | 3.6-3.7    |
| 6. Life expectancy at birth, 1968-73.....              | 45         |
| 7. Infant deaths per 1,000 live births, 1968-73.....   | 141        |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 18,167,000 |
| 9. Births per 1,000 population, 1978.....      | 48-49      |
| 10. Deaths per 1,000 population, 1978.....     | 17-18      |
| 11. Annual rate of growth, 1978 (percent)..... | 3.6-3.8    |

## NOTES:

- Final census figure as reported in Department of Statistics, 1977, tables 9 and 19.
- Census population officially adjusted for 4.8 percent net underenumeration as reported in Department of Statistics, 1977, table 9.
- Based on weighted averages of crude birth rates estimated separately for the settled and nonsettled populations. A single estimated rate for the settled population, which comprises 83.7 percent of the total population, was derived at the U.S. Bureau of the Census by application of the Brass fertility technique (average of  $P_2/F_2$ ,  $P_3/F_3$ , and  $P_4/F_4$  ratios) to data for the settled population from the 1973 census. An estimated crude birth rate range of 40-45 per 1,000 for the nomadic population (Department of Statistics et al., 1979, p. 6) was used for all of the nonsettled population.
- Based on the assumption that the 1968-73 life table central death rates for the settled population (see note 6-7), apply to the total census population, by age and sex.
- Range of variation given selected combinations of unrounded crude birth and death rates (49.1 and 19.0 per 1,000 population, and 49.9 and 19.0 per 1,000 population, respectively) and an estimated net immigration rate of 6.3 per 1,000 population. Estimated net immigration is based on refugee movements for 1972 and 1973 (World Bank, 1979, table 12), and estimated emigration of Sudanese to the Persian Gulf countries.
- 6-7. Estimates refer to the settled population only, calculated from 1968-73 life tables derived by Sinada (1977-78, p. 37) based on various child survivorship techniques, orphanhood and widowhood techniques, and the logit technique using the Brass African standard life table.
- See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1973 which take into consideration estimates of the Department of Statistics, et al. (1979, pp. 27-36).
11. Range of variation given possible combinations of unrounded crude birth and death rates, and an estimated net immigration rate of 5.7 per 1,000 population based on refugee data as reported in U.N. High Commissioner for Refugees, 1979.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 8,063      | 1970                       | 13,575     | 1950-55 | 2.5                        |
| 1955 | 9,147      | 1971                       | 13,993     | 1955-60 | 2.6                        |
| 1960 | 10,397     | 1972                       | 14,435     | 1960-65 | 2.6                        |
| 1961 | 10,674     |                            |            | 1965-70 | 2.7                        |
| 1962 | 10,960     |                            |            | 1970-75 | 3.2                        |
|      |            | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 3.3                        |
| 1963 | 11,256     | 1973                       | 14,946     |         |                            |
| 1964 | 11,555     | 1974                       | 15,450     |         |                            |
| 1965 | 11,837     | 1975                       | 15,926     |         |                            |
| 1966 | 12,130     | 1976                       | 16,424     |         |                            |
| 1967 | 12,473     | 1977                       | 16,949     |         |                            |
| 1968 | 12,818     | 1978                       | 17,550     |         |                            |
| 1969 | 13,171     | 1979                       | 18,167     |         |                            |

**NOTES:** 1950-73—Based on the adjusted 1973 census, assumed trends in fertility and mortality, and estimated net migration. Net migration was estimated considering the reported foreign-born population in 1956 (*UNDY 1963*, table 7) and 1973 (Department of Statistics, 1977, tables 22a and 23a), estimates of refugees for each year 1964 to 1973 (U.N., General Assembly, various issues 1965 to 1974; World Bank, 1979, table 12; and Mills, 1977, p. 6), and net emigration of Sudanese to Persian Gulf countries (Department of Statistics, et al., 1979, p. 13).

1974-79—Projected based on the adjusted 1973 census population, assumed trends in fertility and mortality, and estimated net migration. Estimated net migration takes into consideration estimates of refugees for each year 1973 to 1978 (U.N., General Assembly, various issues 1974 to 1978, and U.N. High Commissioner for Refugees, 1979), and net migration of Sudanese to Persian Gulf countries (Department of Statistics, et al., 1979, p. 13).

### MAJOR SOURCES

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- Department of Statistics, 1961. *First Population Census of Sudan 1955-56*. Final report, vol. I. Khartoum.
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- \_\_\_\_\_. High Commissioner for Refugees. 1979. *UNHCR*, Spring. New York.
- World Bank. 1979. Unpublished estimates.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of August 25, 1976..... | 499,046 |
| 2. Adjusted population, census of August 25, 1976.....   | NA      |
| 3. Births per 1,000 population, 1966.....                | 47-53   |
| 4. Deaths per 1,000 population, 1966.....                | 20-21   |
| 5. Annual rate of growth, 1966-76 (percent).....         | 2.8     |
| 6. Life expectancy at birth, 1966.....                   | 44      |
| 7. Infant deaths per 1,000 live births, 1966.....        | 168     |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 541,000 |
| 9. Births per 1,000 population, 1978 .....     | 46-47   |
| 10. Deaths per 1,000 population, 1978 .....    | 19      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.6-2.8 |

## NOTES:

1. Provisional census figure as reported in *PVSR July 1979*.
2. The 1976 census has not been evaluated for possible coverage error.
3. Lower bound of range is based on reverse survival of the 1966 census as reported in Census Office, 1968, pp. 204-205. Upper bound estimated by Adegbola (1977, p. 483) based on a stable population technique using the Trussell mortality technique ( $L_2$ ) and the proportion of population under age 15. Estimates are for the African population which comprises 97 percent of the total 1966 census population.
4. Estimated range for the African population based on life table mortality rates derived from an analysis of the 1966 census (Census Office, 1968, p. 211).
5. Intercensal growth rate based on the final 1966 and the provisional 1976 censuses.
- 6-7. Estimates for the African population based on life tables derived from an analysis of child survivorship ratios by age of mother in the 1966 census (Census Office, 1968, p. 211).
8. See notes for Midyear Population Estimates.
- 9-11. Derived by linear interpolation of 1975-80 and 1980-85 projected rates from the U.N. high, medium, and low variant projections (U.N., 1979, annex tables 2-A, 7, and 9). The death rate rounds to the same number for all three variants.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |  |
|------|------------|----------------------------|------------|---------|----------------------------|--|
| 1950 | 253        | 1970                       | 420        | 1950-55 | 2.3                        |  |
| 1955 | 284        | 1971                       | 432        | 1955-60 | 2.4                        |  |
| 1960 | 320        | 1972                       | 444        | 1960-65 | 2.6                        |  |
| 1961 | 329        | 1973                       | 457        | 1965-70 | 2.8                        |  |
| 1962 | 337        | 1974                       | 470        | 1970-75 | 2.8                        |  |
| 1963 | 346        | 1975                       | 483        | 1975-79 | 2.8                        |  |
| 1964 | 356        | 1976                       | 497        |         |                            |  |
| 1965 | 365        | <b>PROJECTED ESTIMATES</b> |            |         |                            |  |
| 1966 | 376        | 1977                       | 511        |         |                            |  |
| 1967 | 386        |                            |            |         |                            |  |
| 1968 | 397        | 1978                       | 526        |         |                            |  |
| 1969 | 409        | 1979                       | 541        |         |                            |  |

**NOTES:** 1950-76—Based on the 1966 and 1976 census populations and assumed growth rates which take into consideration alternative U.N. estimates.

1977-79—Projected assuming a continuation of the 1966-76 intercensal growth rate.

The following censuses were used in deriving the population time series:

| Census date     | Enumerated population | Adjusted population | Source  |
|-----------------|-----------------------|---------------------|---|
| May 24, 1966    | 374,697               |                     | The 1966 and 1976 enumerated populations as reported in <i>UNDY 1975</i> , table 3; and <i>PVSR July 1979</i> , respectively. |
| August 25, 1976 | 499,046               |                     |   |

**MAJOR SOURCES**

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Census Office. 1968. *Report on the 1966 Swaziland Population Census*, by H. M. Jones. Mbabane.

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United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of August 26, 1967..... | 12,313,469 |
| 2. Adjusted population, census of August 26, 1967.....   | NA         |
| 3. Births per 1,000 population, 1973.....                | 45-49      |
| 4. Deaths per 1,000 population, 1973.....                | 16-18      |
| 5. Annual rate of growth, 1973 (percent).....            | 2.7-3.0    |
| 6. Life expectancy at birth, 1973.....                   | 45-49      |
| 7. Infant deaths per 1,000 live births, 1973.....        | 120-130    |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 17,364,000 |
| 9. Births per 1,000 population, 1978.....      | 45-49      |
| 10. Deaths per 1,000 population, 1978.....     | 16-18      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.7-3.0    |

## NOTES:

- Final census figure as reported in *PVSR October 1979*. Results of the census taken August 26-27, 1978, are not yet available.
- The 1967 census has not been evaluated for possible coverage error.
4. Estimated ranges based on analysis of the 1973 National Demographic Survey data (Bureau of Statistics and University of Dar es Salaam, no date a and no date c) using Brass fertility and mortality (childhood and adult) techniques and stable population analysis. Data from the 1967 census were also considered in the analysis.
- Difference between selected combinations of unrounded crude birth and death rates which fall within the ranges given in items 3 and 4 (i.e., 45.0 and 18.0 per 1,000 population and 47.0 and 16.8 per 1,000 population, respectively).
- 6-7. Estimated ranges based on analysis of the 1973 National Demographic Survey data (Bureau of Statistics and University of Dar es Salaam, no date a and no date c) using Brass mortality (childhood and adult) techniques and stable population analysis. Data from the 1967 census were also considered in the analysis.
- See notes for Midyear Population Estimates.
- 9-10. Projected range of variation assuming no significant change in fertility or mortality since 1973.
11. Projected assuming no significant change in the 1973 growth rate.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 8,313      | 1969 | 12,927     | 1950-55 | 2.1                        |
| 1955                       | 9,212      | 1970 | 13,286     | 1955-60 | 2.3                        |
| 1960                       | 10,328     | 1971 | 13,667     | 1960-65 | 2.4                        |
| 1961                       | 10,579     | 1972 | 14,066     | 1965-70 | 2.6                        |
| 1962                       | 10,839     | 1973 | 14,483     | 1970-75 | 2.9                        |
| 1963                       | 11,109     | 1974 | 14,920     | 1975-79 | 3.0                        |
| 1964                       | 11,387     | 1975 | 15,374     |         |                            |
| 1965                       | 11,673     | 1976 | 15,845     |         |                            |
| 1966                       | 11,965     | 1977 | 16,334     |         |                            |
| 1967                       | 12,267     | 1978 | 16,840     |         |                            |
| <b>PROJECTED ESTIMATES</b> |            |      |            |         |                            |
|                            |            | 1979 | 17,364     |         |                            |
| 1968                       | 12,588     |      |            |         |                            |

**NOTES:** 1950-67—Based on 1950, 1955, 1960, and 1965 official midyear population estimates (Central Statistical Bureau, 1968, p. 17) and the 1967 census.

1968-79—Based on the 1967 census for the total country and an official projection to midyear 1975 for Tanganyika (Bureau of Statistics and University of Dar es Salaam, no date c).

### MAJOR SOURCES

Bureau of Statistics and University of Dar es Salaam. Bureau of Resource Assessment and Land Use Planning. no date a. *The Demography of Tanzania*, vol. VI, *An Analysis of the 1973 National Demographic Survey of Tanzania*. [New York.]

\_\_\_\_\_. no date b. *1973 National Demographic Survey of Tanzania*, vol. IV, *The Methods Report*. [Dar es Salaam.]

\_\_\_\_\_. no date c. *1973 National Demographic Survey of Tanzania*, vol. I, *Regional and National Data*. [Dar es Salaam.]

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Ominde, Simeon, 1974. *The Population of Kenya—Uganda—Tanzania*. National population monograph in the CICRED series. Nairobi.

United Nations. 1971. *Tanzania: A Case Study*, by John Kantner. African Population Conference. New York.

\_\_\_\_\_. 1972. *Levels and Trends of Fertility in the Countries of Africa*. E/CN.14/POP/75. New York.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of March-April 1970..... | 1,950,646 |
| 2. Adjusted population, census of March-April 1970.....   | NA        |
| 3. Births per 1,000 population, 1970-71.....              | 42-48     |
| 4. Deaths per 1,000 population, 1961.....                 | 24-27     |
| 5. Annual rate of growth, 1961 (percent).....             | 2.2-2.5   |
| 6. Life expectancy at birth, 1961.....                    | 37-42     |
| 7. Infant deaths per 1,000 live births, 1966.....         | 142-154   |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 2,544,000 |
| 9. Births per 1,000 population, 1978 .....     | 42-48     |
| 10. Deaths per 1,000 population, 1978 .....    | 15-18     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.7-3.0   |

## NOTES:

- Final census figure (Direction de la Statistique, 1974, table IV). Population is de jure.
- The 1970 census has not been evaluated for possible coverage error.
- Range of variation based on age-specific fertility rates from the 1971 demographic survey (Adognon, 1979, table 4) applied to the age-sex distribution from the 1970 census (Direction de la Statistique, 1975, table V-1). The lower bound is based on the 1971 unadjusted survey rates while the upper bound is based on an application of the Brass fertility technique ( $P_3/F_3$  ratio) to data from the 1971 demographic survey (Adognon, 1979, table 4).
- Range of variation based on stable populations constructed using adjusted and unadjusted results from the 1961 demographic survey for the upper and lower bounds, respectively. Reported age-specific fertility rates were adjusted at the U.S. Bureau of the Census by an application of the Brass fertility technique ( $P_2/F_2$  ratio). Reported age-sex-specific death rates were smoothed and adjusted based on an application of the Brass growth balance equation method. All life tables used infant mortality rates based on an application of the Trussell mortality technique.
- Range of variation based on selected combinations of unrounded crude birth and death rates (46.1 and 23.9 per 1,000 population and 52.6 and 27.2 per 1,000 population, respectively).
- Range of variation based on an application of the Trussell mortality technique to data from the 1961 and 1971 demographic surveys (Service de la Statistique Générale, no date, pp. 80-82; and Adognon, 1979, table 7), which takes into consideration results from an application of the Brass growth balance equation technique to data from the 1961 demographic survey (Service de la Statistique Générale, no date, pp. 11 and 93).
- Range of variation based on an application of the Trussell mortality technique to data from the 1971 demographic survey (Adognon, 1979, table 7).
- See notes for Midyear Population Estimates.
- Projected range of variation assuming no significant change in fertility since 1970-71.
- Projected range of variation based on assumed trends of mortality since 1961 which take into consideration results from the 1971 demographic survey (Adognon, 1979).
- Range of variation given selected combinations of crude birth and death rates (41.7 and 15.0 per 1,000 population and 48.2 and 18.0 per 1,000 population, respectively).

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 1,172      | <b>PROJECTED ESTIMATES</b> |            | 1950-55 | 2.1                        |
| 1955 | 1,298      |                            |            | 1955-60 | 2.3                        |
| 1960 | 1,456      |                            |            | 1960-65 | 2.5                        |
| 1961 | 1,491      |                            |            | 1965-70 | 3.5                        |
| 1962 | 1,528      |                            |            | 1970-75 | 2.8                        |
| 1963 | 1,566      |                            |            | 1975-79 | 3.0                        |
| 1964 | 1,606      |                            |            |         |                            |
| 1965 | 1,648      |                            |            |         |                            |
| 1966 | 1,691      |                            |            |         |                            |
| 1967 | 1,736      |                            |            |         |                            |
| 1968 | 1,782      | 1978                       | 2,462      |         |                            |
| 1969 | 1,830      | 1979                       | 2,544      |         |                            |

**NOTES:** 1950-79—Based on the 1970 census population and assumed trends in fertility and mortality since 1950 which take into consideration results from the 1961 and 1971 demographic surveys and alternative U.N. projections. These population estimates also include the return of 81,000 Togolese from Ghana between Dec. 1969 and Mar. 1970.

### MAJOR SOURCES

Adognon, Koffi. 1979. "L'Evolution de la Fécondité dans les Années 60 (1961-71) au Togo." ECA conference document. E/CN.14/POP/INF/226. Monrovia.

Direction de la Statistique. 1974. *Recensement Général de la Population (Mars-Avril 1970)*, vol. 1. Lomé.

\_\_\_\_\_. 1975. *Recensement Général de la Population (Mars-Avril 1970)*, vol. 2. Lomé.

Service de la Statistique Générale. no date. *Enquête Démographique 1961. Résultats Définitifs*, vol. II. Lomé.

United Nations. 1971. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

**BENCHMARK DATA**

|  |           |
|--|-----------|
| 1. Enumerated population, census of May 8, 1975..... | 5,572,193 |
| 2. Adjusted population, census of May 8, 1975.....   | NA        |
| 3. Births per 1,000 population, 1978.....            | 33        |
| 4. Deaths per 1,000 population, 1978.....            | 8         |
| 5. Annual rate of growth, 1978 (percent).....        | 2.5       |
| 6. Life expectancy at birth, 1968-69.....            | 53        |
| 7. Infant deaths per 1,000 live births, 1968-69..... | 135       |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 6,312,000 |
| 9. Births per 1,000 population, 1978.....      | 33        |
| 10. Deaths per 1,000 population, 1978.....     | 8         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.5       |

**NOTES:**

1. Preliminary census figure as reported in Institut National de la Statistique, no date, vol. III, table 1.
2. The 1975 census has not been evaluated for possible coverage error. However, recent official data imply a net underenumeration of about 1.6 percent.
- 3-4. Based on provisional registered births, provisional registered deaths adjusted for underregistration by the Institut National de la Statistique (Tarifa, 1979), and estimated midyear population.
5. Based on the difference between unrounded crude birth and death rates (33.3 and 7.9 per 1,000 population, respectively), and an estimated net emigration rate of 0.4 per 1,000 population. Estimated net emigration is based on official provisional arrival and departure data for 1978 (Tarifa, 1979).
- 6-7. From National Demographic Survey data as adjusted by Vallin (1975, pp. 1165-1166).
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 3,517      | 1970                       | 5,085      | 1950-55 | 1.8                        |
| 1955 | 3,846      | 1971                       | 5,184      | 1955-60 | 1.5                        |
| 1960 | 4,149      | 1972                       | 5,290      | 1960-65 | 1.9                        |
| 1961 | 4,216      | 1973                       | 5,413      | 1965-70 | 2.2                        |
| 1962 | 4,287      | 1974                       | 5,543      | 1970-75 | 2.3                        |
| 1963 | 4,374      | 1975                       | 5,691      | 1975-79 | 2.6                        |
| 1964 | 4,468      | 1976                       | 5,854      |         |                            |
| 1965 | 4,566      | 1977                       | 6,009      |         |                            |
| 1966 | 4,681      | 1978                       | 6,156      |         |                            |
| 1967 | 4,773      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 4,881      | 1979                       | 6,312      |         |                            |
| 1969 | 4,983      |                            |            |         |                            |

**NOTES:** 1950-66—Based on the inflated census of 1956 and adjusted census of 1966, and estimated trends in fertility, mortality, and migration.

1967-78—Based on the adjusted censuses of 1966 and 1975, adjusted registered births and deaths, and reported net migration data (Tarifa, 1979).

1979—Projected assuming a continuation of the 1978 calendar-year growth rate.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| February 1, 1956 | 3,783,169             | 3,886,000           | Enumerated populations as reported in Institut National de la Statistique, no date b, vol. III, pp. 36 and 57. |
| May 3, 1966      | 4,533,351             | 4,657,000           |  |
| May 8, 1975      | 5,572,193             | 5,660,000           |  |

The 1966 enumerated population was adjusted for 2.7 percent net underenumeration at the U.S. Bureau of the Census (1971). The 1956 enumerated population was inflated at the U.S. Bureau of the Census for the same percent net underenumeration as found for the 1966 census. The 1975 adjusted population figure is implied by the adjusted midyear population data for 1966 and growth rates for 1966 to 1975 based on adjusted registered births and deaths, and reported net migration during the period (Tarifa, 1979).

## MAJOR SOURCES

- Institut National de la Statistique. 1956. *Annuaire Statistique de la Tunisie 1956*. Tunis.
- \_\_\_\_\_. 1969. *Annuaire Statistique de la Tunisie 1969*. Tunis.
- \_\_\_\_\_. no date a. *Recensement Général de la Population et des Logements, 8 Mai 1975: Logements, Tableaux et Analyses des Résultats du Sondage au 1/10 ème*, vols. I and III. Tunis.
- \_\_\_\_\_. no date b. *Recensement Général de la Population et des Logements, 8 Mai 1975: Population par Division Administrative*. Tunis.
- \_\_\_\_\_. Various issues. *Bulletin Mensuel de Statistique*. Tunis.
- Seklani, Mahmoud. 1974. *La Population de la Tunisie*. National population monograph in the CICRED series. Tunis.
- Tarifa, Chadli (Institut National de la Statistique). 1979. Personal communication.
- U.S. Bureau of the Census. 1971. *Population of Tunisia, Estimates and Projections: 1967-2000*. Demographic Reports for Foreign Countries, series P-96, no. 3. Washington, D.C.
- Vallin, Jacques. 1975. "Mortalité et Fécondité en Tunisie: Résultats Commentés de l'Enquête Nationale Démographique." *Population*, vol. 30, no. 6 (Nov.-Dec.), pp. 1160-1166.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of August 18, 1969..... | 9,548,847 |
| 2. Adjusted population, census of August 18, 1969.....   | NA        |
| 3. Births per 1,000 population, 1969.....                | 46-50     |
| 4. Deaths per 1,000 population, 1969.....                | 17-19     |
| 5. Annual rate of growth, 1969 (percent).....            | 3.0-3.2   |
| 6. Life expectancy at birth, 1969.....                   | 46        |
| 7. Infant deaths per 1,000 live births, 1969.....        | 120       |

## PROJECTED ESTIMATES\*

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 13,225,000 |
| 9. Births per 1,000 population, 1978.....      | 46-50      |
| 10. Deaths per 1,000 population, 1978.....     | 15-18      |
| 11. Annual rate of growth, 1978 (percent)..... | 3.0-3.4    |

## NOTES:

1. Final census figure as reported in *PVSR April 1979*.
2. The 1969 census has not been evaluated for possible coverage error.
- 3-4. Estimated range of variation based on analysis of 1969 census data by various investigators (see Major Sources).
5. Range of variation considering selected combinations of crude birth and death rates which fall within the ranges given in items 3 and 4 (i.e., 48 and 18 per 1,000 population, and 50 and 18 per 1,000 population, respectively) and the 1969-70 growth rate (3.1 percent) accepted by the Ministry of Finance, Planning and Economic Development (1979, table 5.8).
- 6-7. Derived from official life tables (Ministry of Finance, Planning and Economic Development, 1979, table 5.5) based on 1969 census data on children ever born and children surviving, by age of mother, and on survival of parents, by age of respondent.
8. See notes for Midyear Population Estimates.
9. Projected range of variation assuming no significant change in fertility since 1969.
10. Projected range of variation based on assumed trend of mortality since 1969.
11. Projected range of variation considering the 1969 estimated growth rate and the growth rate implied by official population projections.

\*Projected estimates do not take into consideration any demographic consequences of irregular events which have occurred in Uganda since 1971.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                        | Population | Period  | Average annual growth rate |
|------|------------|-----------------------------|------------|---------|----------------------------|
| 1950 | 5,522      | <b>PROJECTED ESTIMATES*</b> |            | 1950-55 | 2.7                        |
| 1955 | 6,328      |                             |            | 1955-60 | 2.8                        |
| 1960 | 7,286      |                             |            | 1960-65 | 2.9                        |
| 1961 | 7,499      |                             |            | 1965-70 | 3.0                        |
| 1962 | 7,720      |                             |            | 1970-75 | 3.3                        |
| 1963 | 7,949      | 1973                        | 10,810     | 1975-79 | 3.4                        |
| 1964 | 8,186      | 1974                        | 11,172     |         |                            |
| 1965 | 8,432      | 1975                        | 11,549     |         |                            |
| 1966 | 8,687      | 1976                        | 11,943     |         |                            |
| 1967 | 8,951      | 1977                        | 12,353     |         |                            |
| 1968 | 9,226      | 1978                        | 12,780     |         |                            |
| 1969 | 9,510      | 1979                        | 13,225     |         |                            |

**NOTES:** 1950-69—Based on the 1969 census and assumed population growth rates, considering U.N. estimates for 1950 to 1970.

1970-79—Official projected estimates based on the 1969 census, as reported in Ministry of Finance, Planning and Economic Development, 1979, table 5.8.

\*Projected estimates do not take into consideration any demographic consequences of irregular events which have occurred in Uganda since 1971.

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Ministry of Finance, Planning and Economic Development. 1972. *1971 Statistical Abstract*. [Entebbe.]

\_\_\_\_\_. 1973. *Report on 1969 Population Census. Additional Tables*, vol. III. [Entebbe.]

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Ominde, Simeon. 1975. *The Population of Kenya—Uganda—Tanzania*. National population monograph in the CICRED series. Nairobi.

Saxton, George. no date. "Population Growth and Economic Planning, Uganda." Makerere College. Kampala.

Taber, S. R. 1972. "The 1969 Uganda Census: Provisional Results." *Population Growth and Economic Development in Africa*, eds. S. H. Ominde and C. N. Ejiogu. Heinemann Educational Books. London.

United Nations. Economic Commission for Africa. 1971a. *Country Statement of Uganda*. POP/INF/66. African Population Conference. Accra.

\_\_\_\_\_. 1971b. *The Estimation of Vital Rates from Census Data in Kenya and Uganda*, by J. G. C. Blacker. Pop. Conf. 2/19. African Population Conference. Accra.

United Nations. 1972. *Levels and Trends of Fertility in the Countries of Africa*. E/CN.14/POP/75. New York.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of December 1-7, 1975..... | 6,144,013 |
| 2. Adjusted population, census of December 1-7, 1975.....   | NA        |
| 3. Births per 1,000 population, 1960-61.....                | 50        |
| 4. Deaths per 1,000 population, 1960-61.....                | 32-34     |
| 5. Annual rate of growth, 1960-61 (percent).....            | 1.6-1.8   |
| 6. Life expectancy at birth, 1960-61.....                   | 32        |
| 7. Infant deaths per 1,000 live births, 1960-61.....        | 190-243   |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 6,661,000 |
| 9. Births per 1,000 population, 1978.....      | 50        |
| 10. Deaths per 1,000 population, 1978.....     | 27        |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3       |

## NOTES:

1. Provisional census figure as reported in *PVSR October 1979*.
2. The 1975 census has not been evaluated for possible coverage error.
3. Estimated rate for survey area excluding the cities of Ouagadougou and Bobo-Dioulasso (Upper Volta and France, 1970b, p. 220 and table 229).
4. Lower bound of range based on adjusted number of deaths in the 12 months preceding the survey (Upper Volta and France, 1970b, p. 244). Upper bound of range based on adjustment of deaths by month during the 12 months of the survey period (Upper Volta and France, 1970b, p. 248). Rates refer to survey area.
5. Range of variation given possible combinations of unrounded crude birth and death rates.
6. Estimate as reported in Upper Volta and France, table 215. Refers to survey area.
7. Adjusted estimates as reported in Upper Volta and France, 1970b, p. 260 and table 223. Refers to survey area.
8. See notes for Midyear Population Estimates.
- 9-10. Projected following fertility and mortality assumptions between the 1960 and 1990 period made by the Direction de la Statistique as reported in Courel and Pool, 1975, pp. 751-754.
11. Difference between crude birth and death rates.

## UPPER VOLTA

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 3,756      | 1970                       | 5,465      | 1950-55 | 1.8                        |
| 1955 | 4,110      | 1971                       | 5,581      | 1955-60 | 1.8                        |
| 1960 | 4,497      | 1972                       | 5,702      | 1960-65 | 1.9                        |
| 1961 | 4,580      | 1973                       | 5,826      | 1965-70 | 2.0                        |
| 1962 | 4,666      | 1974                       | 5,954      | 1970-75 | 2.2                        |
| 1963 | 4,754      | 1975                       | 6,087      | 1975-79 | 2.3                        |
| 1964 | 4,846      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 4,941      | 1976                       | 6,223      |         |                            |
| 1966 | 5,039      | 1977                       | 6,364      |         |                            |
| 1967 | 5,140      |                            |            |         |                            |
| 1968 | 5,245      | 1978                       | 6,510      |         |                            |
| 1969 | 5,353      | 1979                       | 6,661      |         |                            |

**NOTES:** 1950-75—Based on 1975 provisional census population and assumed trends in fertility and mortality since 1960 as estimated by the Direction de la Statistique (Courel and Pool, 1975, pp. 751-754). The 1960-61 survey estimate of the growth rate was assumed to have remained constant for the period 1950-59.

1976-79—Projected assuming a continuation of the trends in fertility and mortality as estimated by the Direction de la Statistique.

**MAJOR SOURCES**

Courel, André and D. Ian Pool. 1975. "Upper Volta." *Population Growth and Socioeconomic Change in West Africa*, ed. John C. Caldwell. Columbia University Press. New York.

Upper Volta, Service de Statistique et de la Mécanographie; and France, INSEE. 1970a. *Enquête Démographique par Sondage en République de Haute-Volta 1960-1961*, vol. I. [Paris.]

\_\_\_\_\_. 1970b. *Enquête Démographique par Sondage en République de Haute-Volta 1960-1961*, vol. II. [Paris.]

## BENCHMARK DATA

|  |        |
|--|--------|
| 1. Enumerated population, census of November 1974..... | 74,902 |
| 2. Adjusted population, census of November 1974.....   | NA     |
| 3. Births per 1,000 population.....                    | NA     |
| 4. Deaths per 1,000 population.....                    | NA     |
| 5. Annual rate of growth, 1970-74 (percent).....       | -0.5   |
| 6. Life expectancy at birth.....                       | NA     |
| 7. Infant deaths per 1,000 live births.....            | NA     |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 93,600 |
| 9. Births per 1,000 population, 1978.....      | 43-46  |
| 10. Deaths per 1,000 population, 1978.....     | 26-28  |
| 11. Annual rate of growth, 1978 (percent)..... | 5.3    |

## NOTES:

1. Final census figure as reported by Price, 1977.
2. The 1974 census has not been evaluated for possible coverage error.
- 3-4. Data not available.
5. Intercensal growth rate based on the 1970 and 1974 censuses.
- 6-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Range of variation assuming the same vital rates as for Mauritania.
11. Projected based on the 1970-74 intercensal growth rate of the native Saharan population.

## WESTERN SAHARA

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 7.3        | 1970                       | 72.1       | 1950-55 | 11.2                       |
| 1955 | 12.8       | 1971                       | 74.1       | 1955-60 | 11.2                       |
| 1960 | 22.5       | 1972                       | 71.5       | 1960-65 | 11.6                       |
| 1961 | 25.2       | 1973                       | 71.8       | 1965-70 | 11.7                       |
| 1962 | 28.3       | 1974                       | 73.8       | 1970-75 | 1.3                        |
| 1963 | 31.9       | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 4.9                        |
| 1964 | 35.8       | 1975                       | 76.8       |         |                            |
| 1965 | 40.2       | 1976                       | 80.3       |         |                            |
| 1966 | 45.2       | 1977                       | 84.2       |         |                            |
| 1967 | 50.8       |                            |            |         |                            |
| 1968 | 57.1       | 1978                       | 88.8       |         |                            |
| 1969 | 64.2       | 1979                       | 93.6       |         |                            |

**NOTES:** 1950-74—Based on the 1950, 1960, 1970, and 1974 censuses and assumed trends in fertility, mortality, and migration.

1975-79—Projected based on assumed trends in fertility, mortality, and migration which take into consideration the 1970-74 intercensal growth rate of the native Saharan population and reported emigration of the European population following Spanish decolonization in 1975 (Price, 1977; Gaudio, 1979; and Springer, 1979).

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| December 31, 1950 | 7,749                 |                     | Enumerated populations for 1950 and 1960 as reported in <i>UNDY 1970</i> , table 7; for 1970 as reported in Spain, 1972, table 2.1; and for 1974 as reported by Price, 1977. |
| December 31, 1960 | 23,793                |                     |  |
| December 31, 1970 | 76,425                |                     |  |
| November 1974     | 74,902                |                     |  |

### MAJOR SOURCES

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Spain. Instituto Nacional de Estadística. 1972. *Anuario Estadístico de España*. Edición Manual.

Springer, Neil A. 1979. "Conflict Over Western Sahara." In *Focus*, vol. 29, no. 4 (Mar.-Apr.). American Geographical Society.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, administrative census of July 1, 1974..... | 24,327,147 |
| 2. Adjusted population, administrative census of July 1, 1974.....   | NA         |
| 3. Births per 1,000 population, 1955-58.....                         | 43-48      |
| 4. Deaths per 1,000 population, 1955-58.....                         | 25-26      |
| 5. Annual rate of growth, 1970-74 (percent).....                     | 2.9        |
| 6. Life expectancy at birth, 1955-58.....                            | 37-40      |
| 7. Infant deaths per 1,000 live births, 1955-58.....                 | 165-177    |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 28,090,000 |
| 9. Births per 1,000 population, 1978.....      | 43-48      |
| 10. Deaths per 1,000 population, 1978.....     | 17-19      |
| 11. Annual rate of growth, 1978 (percent)..... | 3.1-3.9    |

## NOTES:

- Final administrative census figure as reported in U.S. Joint Publications Research Service, 1976, p. 70.
- The 1974 administrative census has not been evaluated for possible coverage error.
- Lower bound of range based on unadjusted rate from the 1955-58 Demographic Inquiry as reported by Romaniuk, 1968, table 6.38. Upper bound of range estimated by the U.S. Bureau of the Census based on a stable population analysis of data from the 1955-58 Demographic Inquiry.
- Range based on an analysis of 1955-58 survey data by Romaniuk (1968, pp. 335-336).
- Intercensal growth rate based on the 1970 and 1974 administrative censuses.
- 6-7. Range based on an analysis of 1955-58 survey data by Romaniuk, 1968, table 6.36 and p. 336.
- See notes for Midyear Population Estimates.
- 9-10. Projected range of variation assuming no significant change in fertility and based on assumed trends in mortality since 1955-58, which take into consideration official projections (Bureau du Président, 1972; and Département du Plan, 1978), results from the 1975-77 Demographic Survey of West Zaire (Tabutin, 1979), and alternative U.N. projections.
11. Range of variation given possible combinations of unrounded crude birth and death rates, and an estimated net immigration rate of 7.4 per 1,000 population. Net migration is estimated from data on refugee movements (U.N., High Commissioner for Refugees, 1979, pp. 2-3).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 13,055     | 1970                       | 21,638     | 1950-55 | 2.1                        |
| 1955 | 14,468     | 1971                       | 22,283     | 1955-60 | 2.2                        |
| 1960 | 16,151     | 1972                       | 22,938     | 1960-65 | 2.0                        |
| 1961 | 16,585     | 1973                       | 23,627     | 1965-70 | 3.0                        |
| 1962 | 17,056     | 1974                       | 24,327     | 1970-75 | 2.9                        |
| 1963 | 17,562     | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 2.9                        |
| 1964 | 18,095     | 1975                       | 25,009     |         |                            |
| 1965 | 18,651     | 1976                       | 25,741     |         |                            |
| 1966 | 19,229     | 1977                       | 26,297     |         |                            |
| 1967 | 19,830     |                            |            |         |                            |
| 1968 | 20,441     | 1978                       | 27,152     |         |                            |
| 1969 | 21,047     | 1979                       | 28,090     |         |                            |

**NOTES:** 1950-74—Based on the 1970 and 1974 administrative censuses and assumed growth rates which take into consideration U.N. estimates and official population projections (Bureau du Président, 1972).

1975-79—Projected based on the 1974 administrative census, assumed growth rates which take into consideration official population projections (Bureau du Président, 1972), and estimated net international migration based on refugee movements (U.N., General Assembly, various issues, 1975 to 1978; and U.N., High Commissioner for Refugees, 1979).

The following administrative censuses were used in deriving the population time series:

| Census date  | Enumerated population | Adjusted population | Source   |
|--------------|-----------------------|---------------------|--|
| July 1, 1970 | 21,637,876            |                     | Administrative census populations for 1970 and 1974 as reported in Bureau du Président, 1972, pp. 3 and 27; and U.S. Joint Publications Research Service, 1976, p. 70, respectively. |
| July 1, 1974 | 24,327,147            |                     |  |

#### MAJOR SOURCES

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Romaniuk, Anatole. 1968. "The Demography of the Democratic Republic of the Congo." *The Demography of Tropical Africa*, ed. William Brass, et al. Princeton University Press. Princeton.

Tabutin, Dominique. 1979. *Fécondité et Mortalité dans l'Ouest du Zaïre*. Unpublished paper prepared for the National Academy of Sciences, Committee on Population and Demography, Panel for Tropical Africa.

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\_\_\_\_\_. High Commissioner for Refugees. 1979. *UNHCR*. (Spring.) New York.

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## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of August 26 to September 7, 1974..... | 4,695,000 |
| 2. Adjusted population, census of August 26 to September 7, 1974.....   | 4,854,000 |
| 3. Births per 1,000 population, 1969.....                               | 48-50     |
| 4. Deaths per 1,000 population, 1969.....                               | 18-21     |
| 5. Annual rate of growth, 1969-74 (percent).....                        | 3.2       |
| 6. Life expectancy at birth, 1969.....                                  | 43-47     |
| 7. Infant deaths per 1,000 live births, 1969.....                       | 127-160   |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 5,649,000 |
| 9. Births per 1,000 population, 1978.....      | 47-50     |
| 10. Deaths per 1,000 population, 1978.....     | 16-18     |
| 11. Annual rate of growth, 1978 (percent)..... | 3.1-3.2   |

## NOTES:

1. Preliminary sample census figure (Central Statistical Office, 1975c, p. 4).
2. Adjusted census figure implied by official midyear population estimates. The net under-enumeration is 3.3 percent.
- 3-4. Estimated ranges based on an analysis of the 1969 census data using stable population analysis and Brass techniques (Central Statistical Office, 1975b, pp. 2-5 and Ohadike and Tesfaghiorghis, 1975, p. 37).
5. Growth rate based on official adjusted midyear population estimates for the census years 1969 and 1974.
- 6-7. Estimated range based on an analysis of 1969 census data using stable population analysis and Brass techniques (Central Statistical Office, 1970, p. A2; 1975a, p. 2; and Ohadike and Tesfaghiorghis, 1975, p. 37).
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1969.
11. Difference between selected combinations of crude birth and death rates (49.7 and 18.4 per 1,000 population and 47.7 and 16.1 per 1,000 population, respectively).

## ZAMBIA

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,553      | 1970                       | 4,251      | 1950-55 | 2.3                        |
| 1955 | 2,869      | 1971                       | 4,386      | 1955-60 | 2.5                        |
| 1960 | 3,254      | 1972                       | 4,527      | 1960-65 | 2.5                        |
| 1961 | 3,337      | 1973                       | 4,675      | 1965-70 | 2.8                        |
| 1962 | 3,421      | 1974                       | 4,829      | 1970-75 | 3.2                        |
| 1963 | 3,508      | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 3.2                        |
| 1964 | 3,599      | 1975                       | 4,981      |         |                            |
| 1965 | 3,694      | 1976                       | 5,138      |         |                            |
| 1966 | 3,794      | 1977                       | 5,302      |         |                            |
| 1967 | 3,900      |                            |            |         |                            |
| 1968 | 4,009      | 1978                       | 5,472      |         |                            |
| 1969 | 4,123      | 1979                       | 5,649      |         |                            |

**NOTES:** 1950-68—Based on the adjusted 1969 census and considering the growth rate for midyear 1969 to 1970 and U.N. growth rates for 1950 to 1970 derived from midyear population estimates.

1969-78—Estimates made by the Central Statistical Office based on the 1969 and 1974 adjusted censuses (Central Statistical Office, 1975, p. 25; various issues of *PVSR*; and unpublished data at the U.N. Statistical Office).

1979—Projected by the U.S. Bureau of the Census assuming a continuation of the trend of growth rates estimated by the Central Statistical Office.

The following censuses were used in deriving the population time series:

| Census date                       | Enumerated population | Adjusted population | Source  |
|-----------------------------------|-----------------------|---------------------|---|
| August 22-30, 1969                | 4,056,995             | 4,144,000           | Enumerated populations as reported in Central Statistical Office, 1973, table 1; and 1975c, p. 4. The 1974 figure is preliminary and refers to a sample census. |
| August 26 to<br>September 7, 1974 | 4,695,000             | 4,854,000           |   |

The adjusted population for 1969 was derived at the U.S. Bureau of the Census, accepting the 2.1 per cent net underenumeration as estimated by the Central Statistical Office (1975b, p. 1). The adjusted population for 1974 is implied by the official population estimates for midyear 1974 and 1975 estimated by the Central Statistical Office.

## MAJOR SOURCES

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- \_\_\_\_\_. 1975c. *Sample Census of Population, 1974. Preliminary Report*. Lusaka.
- Ohadike, Patrick O. and Habtemariam Tesfaghiorghis. 1975. *The Population of Zambia*. National population monograph in the CICRED series. [Paris.]
- United Nations. Economic Commission for Africa. 1972. *Levels and Trends of Fertility in the Countries of Africa*. E/CN.14/POP/75. New York.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of April 21-May 11, 1969..... | 5,099,344 |
| 2. Adjusted population, census of April 21-May 11, 1969.....   | 5,325,000 |
| 3. Births per 1,000 population, 1969.....                      | 47-50     |
| 4. Deaths per 1,000 population, 1969.....                      | 16        |
| 5. Annual rate of growth, 1969 (percent).....                  | 3.5       |
| 6. Life expectancy at birth.....                               | NA        |
| 7. Infant deaths per 1,000 live births.....                    | NA        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 7,254,000 |
| 9. Births per 1,000 population, 1978.....      | 47-50     |
| 10. Deaths per 1,000 population, 1978.....     | 15-16     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.2       |

## NOTES:

- Final census figure as reported in *PVSR October 1979*. Includes non-African population of 252,414 from the March 20, 1969 census.
- Census population adjusted at the U.S. Bureau of the Census for 4.2 percent net underenumeration.
- Upper bound of range based on registered data for Europeans, Asians, and coloureds and an official crude birth rate estimate for Africans (based on 1969 census data) as reported by the Central Statistical Office (1977, table 3; and no date, p. 12); lower bound is an estimate reported by Hooker (1971) based on 1969 census data. Stable population analysis of the 1969 census (U.N., 1971, table 20) gives a crude birth rate of 48.
- Derived from registered data for Europeans and Asians, and an official crude death rate estimate (based on 1969 census data) for Africans, as reported by the Central Statistical Office (1977, table 3; and no date, p. 13).
- Derived from official December 31 population estimates for 1968 and 1969 (Central Statistical Office, 1977, table 1). The difference between the rate of natural increase range, based on possible combinations of crude birth and death rates, and the growth rate implies a net immigration rate of 1 to 4 per 1,000 population.
- 6-7. Data not available. Using stable population analysis and Coale-Demeny south region model life tables, a life expectancy at birth of 51 years and an infant mortality rate of 129 can be estimated for 1969.
- See notes for Midyear Population Estimates.
- Projected range of variation assuming no significant change in fertility since 1969.
- Projected range of variation based on assumed trends of change in 1977 registered crude death rates for Europeans and Asians and in the 1969 estimated crude death rate for Africans (Central Statistical Office, 1978, tables 1 and 3).
- Derived by taking into consideration the growth rate for 1977-78 from the official population series (3.3 percent; see Central Statistical Office, 1978, table 1) and the number of refugees leaving the country during 1977 and 1978. The difference between the rate of natural increase range, calculated from unrounded crude birth and death rates, and the estimated growth rate implies a net emigration rate in the range of 8.6 to 13.2 per 1,000 population. The Central Statistical Office (1979) reports a substantial net emigration of Europeans in 1976 and 1977 (7,072 and 10,908, respectively), which was incorporated into the official population time series. Net migration data for Europeans for 1978 were not available. The United Nations High Commissioner for Refugees (no date) reports that at the end of 1977, 76,000 refugees from Southern Rhodesia were living in Mozambique, Botswana, and Zambia. By the end of 1978 there were 163,000 refugees from Southern Rhodesia in these countries.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,853      | <b>PROJECTED ESTIMATES</b> |            | 1950-55 | 3.6                        |
| 1955 | 3,409      |                            |            | 1955-60 | 3.3                        |
| 1960 | 4,011      |                            |            | 1960-65 | 3.1                        |
| 1961 | 4,140      |                            |            | 1965-70 | 3.4                        |
| 1962 | 4,278      |                            |            | 1970-75 | 3.4                        |
| 1963 | 4,412      |                            |            | 1975-79 | 2.5                        |
| 1964 | 4,537      |                            |            |         |                            |
| 1965 | 4,685      |                            |            |         |                            |
| 1966 | 4,836      |                            |            |         |                            |
| 1967 | 4,995      |                            |            |         |                            |
| 1968 | 5,172      | 1970                       | 5,546      |         |                            |
| 1969 | 5,358      | 1971                       | 5,735      |         |                            |
|      |            | 1972                       | 5,937      |         |                            |
|      |            | 1973                       | 6,115      |         |                            |
|      |            | 1974                       | 6,347      |         |                            |
|      |            | 1975                       | 6,562      |         |                            |
|      |            | 1976                       | 6,749      |         |                            |
|      |            | 1977                       | 6,938      |         |                            |
|      |            | 1978                       | 7,110      |         |                            |
|      |            | 1979                       | 7,254      |         |                            |

**NOTES:** 1950-78—Estimates and projections based on the adjusted 1969 census and growth rates for 1950 to 1978 derived from official midyear population estimates for these years (Central Statistical Office, 1978, table 1). The projected estimates for 1975 to 1978 also take account of refugees leaving Southern Rhodesia and entering Mozambique, Botswana, and Zambia.

1979—Based on the 1978 population estimate and a growth rate derived by considering the mid-year 1977-78 official growth rate and the number of refugees who left Southern Rhodesia during calendar-year 1978.

### MAJOR SOURCES

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# ASIA



Table B-1. **Population of Asia, 1979, and Vital Rates, 1978, by Subregion**

| Subregion                                 | Estimated population July 1, 1979 (thousands) | 1978                        |                             |                          |
|---|---|-----------------------------|-----------------------------|--------------------------|
|   |   | Births per 1,000 population | Deaths per 1,000 population | Rate of growth (percent) |
| Asia <sup>1</sup> .....                   | 2,582,861                                     | 28-31                       | 11-12                       | 1.8-2.0                  |
| East Asia (excluding Mainland China)..... | 197,992                                       | 20-21                       | 6                           | 1.4                      |
| Mainland China.....                       | 1,012,197                                     | 21-26                       | 7-9                         | 1.4-1.7                  |
| Eastern South Asia <sup>1</sup> .....     | 353,623                                       | 33-36                       | 12-13                       | 2.1-2.3                  |
| Middle South Asia.....                    | 422,247                                       | 36-37                       | 15-16                       | 2.1                      |
| Western South Asia.....                   | 96,802  | 39-41                       | 12-13                       | 2.8-3.2                  |

<sup>1</sup>The base population used in calculating the 1978 vital rates excludes the population of Kampuchea and Vietnam, for which no estimates of 1978 rates were available.

Table B-2. **Population of Asia and Average Annual Rates of Growth, by Subregion: 1950 to 1979**

| Subregion                                 | Midyear population (thousands)          |           |           |           |           |           |           |
|---|---|-----------|-----------|-----------|-----------|-----------|-----------|
|   | 1979                                    | 1975      | 1970      | 1965      | 1960      | 1955      | 1950      |
| Asia.....                                 | 2,582,861                               | 2,393,255 | 2,139,993 | 1,890,958 | 1,714,583 | 1,540,275 | 1,392,089 |
| East Asia (excluding Mainland China)..... | 197,992                                 | 186,971   | 171,556   | 158,102   | 145,247   | 133,668   | 125,333   |
| Mainland China.....                       | 1,012,197                               | 949,711   | 848,348   | 736,054   | 681,559   | 611,585   | 547,364   |
| Eastern South Asia.....                   | 353,623                                 | 325,099   | 290,499   | 259,555   | 228,980   | 202,744   | 182,715   |
| Middle South Asia.....                    | 922,247                                 | 845,916   | 755,629   | 672,259   | 602,004   | 543,083   | 493,444   |
| Western South Asia.....                   | 96,802                                  | 85,559    | 73,962    | 64,988    | 56,793    | 49,194    | 43,233    |
| Subregion                                 | Average annual rate of growth (percent) |           |           |           |           |           |           |
|   | 1975-79                                 | 1970-75   | 1965-70   | 1960-65   | 1955-60   | 1950-55   |           |
| Asia.....                                 | 1.9                                     | 2.2       | 2.5       | 2.0       | 2.1       | 2.0       |           |
| East Asia (excluding Mainland China)..... | 1.4                                     | 1.7       | 1.6       | 1.7       | 1.7       | 1.3       |           |
| Mainland China.....                       | 1.6                                     | 2.3       | 2.8       | 1.5       | 2.2       | 2.2       |           |
| Eastern South Asia.....                   | 2.1                                     | 2.3       | 2.3       | 2.5       | 2.4       | 2.1       |           |
| Middle South Asia.....                    | 2.2                                     | 2.3       | 2.3       | 2.2       | 2.1       | 1.9       |           |
| Western South Asia.....                   | 3.1                                     | 2.9       | 2.6       | 2.7       | 2.9       | 2.6       |           |

Note: For a list of countries comprising each subregion, see Composition of Subregions, pp. 18 and 19.

## Population Growth in Asia: 1950 to 1979

Six of the world's 10 most populous countries are in Asia, including the first and second largest, Mainland China and India. In 1979, the Asia region had an estimated total population of 2.6 billion, or a figure as large as the entire world population in 1950. Today, Asia's people constitute nearly 60 percent of the world population and nearly 80 percent of those living in less developed regions.

Overall, the population growth rate in Asia is the lowest among the developing regions, having declined from an average annual rate of 2.5 percent in 1965-70 to about 1.9 percent in 1975-79. Crude birth and death rates vary considerably within the continent, with the rates in Afghanistan among the highest in the world, and those in Japan and Singapore among the lowest. In spite of its moderate population growth rate, over six-tenths of the world's annual population increase takes place in Asia.

Much of the recent decline in the Asian population growth rate is attributable to events in Mainland China, where available data suggest that the growth rate has declined from a peak rate of 2.8 percent in 1965-70 to an average of only 1.6 percent per year in 1975-79. Mortality appears to be fairly low in Mainland China, and a marked decline in fertility appears to have occurred in recent years as a result of a vigorous national family planning program which encourages couples to have only one or, at most, two children. Nevertheless, because of the large population base of approximately 1 billion persons, 1 in 5 of the world's births occurs in Mainland China.

Fertility is declining in some other major Asian countries as well. Long-term declines have brought birth rates down in the Republic of Korea, Sri Lanka, and Taiwan. More recently, fertility has begun to fall also in India, Indonesia, Malaysia, Philippines, and Thailand, while it remains generally at high levels in Bangladesh, Nepal, and Pakistan. In Iran,

fertility had begun to fall in urban areas, but it remains to be seen to what extent the changed population policies of the new regime may alter this emerging trend.

Within Asia's subregions, recent massive refugee movements have altered the normal growth patterns, although the sporadic and unplanned nature of these movements makes them difficult to quantify. In Eastern South Asia in particular, events in Kampuchea have led to an estimated population loss, through both mortality and migration, that may have reached 2 million persons by midyear 1979. In addition, hundreds of thousands of "boat people" have fled from Vietnam since January 1976. A large number of refugees from both Vietnam and Laos remain in Thailand, where many have lived in camps for 5 years or more, although there have been some attempts at repatriation. A heavy influx of refugees also entered Hong Kong from Vietnam in 1979. Elsewhere, 200,000 Muslims left Burma during April-June 1978 and sought refuge in Bangladesh. By the end of February 1979, more than 80,000 had returned to Burma, and the others were expected to be repatriated at the rate of 25,000 a month.

Western South Asia countries having large foreign populations include Bahrain, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates. The influx of labor migration is a significant factor in Saudi Arabia, where net immigration of workers and their families averaged approximately 200,000 per year during 1974-77, about half of whom came from Pakistan, Egypt, and Yemen (Sana). Emigration to Saudi Arabia from Yemen (Sana) has been curtailed in recent years. Large-scale emigration from Iran has occurred since the recent upheavals in that country, virtually eliminating the large foreign colonies that had built up since the mid 1950's. Heavy emigration from Cyprus resulted in an actual decline in the population size between 1974 and 1976.

## BENCHMARK DATA\*

|   |            |
|---|------------|
| 1. Enumerated population, census of June 15-July 5, 1979..... | 15,540,000 |
| 2. Adjusted population, census of June 15-July 5, 1979.....   | NA         |
| 3. Births per 1,000 population, 1972-73.....                  | 50-53      |
| 4. Deaths per 1,000 population, 1972-73.....                  | 28-32      |
| 5. Annual rate of growth, 1972-73 (percent).....              | 1.8-2.5    |
| 6. Life expectancy at birth, 1972-73.....                     | 35-39      |
| 7. Infant deaths per 1,000 live births, 1972-73.....          | 217-235    |

## PROJECTED ESTIMATES\*

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 14,699,000 |
| 9. Births per 1,000 population, 1978.....      | 50-53      |
| 10. Deaths per 1,000 population, 1978.....     | 28-32      |
| 11. Annual rate of growth, 1978 (percent)..... | 1.8-2.5    |

*CAUTION: A random sampling procedure was not used in the National Demographic and Family Guidance Survey; rather the statistical approach was based on the viewpoint that finite population sampling problems could be formulated as problems of statistical prediction. The sampling bias of this procedure is not reflected in the reported or adjusted rates.*

## NOTES:

1. Preliminary census figure reported by the Kabul Domestic Service as cited in Foreign Broadcast Information Service, 1979, p. S-2.
2. The 1979 census has not been evaluated for possible coverage error.
3. Estimated at the U.S. Bureau of the Census (1978, p. 11) by applying two patterns of age-specific fertility rates derived from the National Demographic and Family Guidance Survey (NDFGS) to the adjusted age-sex distribution from the survey.
4. Range of variation estimated at the U.S. Bureau of the Census (1978, p. 11) by applying two sets of life table age-sex-specific death rates to the 1972-73 adjusted age-sex distribution.
5. Range of variation given possible combinations of crude birth and death rates.
- 6-7. Taken from two sets of life tables derived by applying the logit mortality technique to data from the NDFGS using Coale-Demeny east region model life tables as standards.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation assuming no significant change in fertility or mortality since 1972-73.
11. Range of variation given possible combinations of crude birth and death rates.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 7,766      | 1970                       | 12,059     | 1950-55 | 2.2                        |
| 1955 | 8,669      | 1971                       | 12,327     | 1955-60 | 2.2                        |
| 1960 | 9,677      | 1972                       | 12,601     | 1960-65 | 2.2                        |
| 1961 | 9,893      | 1973                       | 12,882     | 1965-70 | 2.2                        |
| 1962 | 10,113     |                            |            | 1970-75 | 2.2                        |
|      |            | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 2.2                        |
| 1963 | 10,338     | 1974                       | 13,168     |         |                            |
| 1964 | 10,568     | 1975                       | 13,461     |         |                            |
| 1965 | 10,803     | 1976                       | 13,760     |         |                            |
| 1966 | 11,043     | 1977                       | 14,067     |         |                            |
| 1967 | 11,289     |                            |            |         |                            |
| 1968 | 11,540     | 1978                       | 14,379     |         |                            |
| 1969 | 11,796     | 1979                       | 14,699     |         |                            |

**NOTES:** 1950-73—Based on a 1973 population estimate derived from the 1972-73 and 1974 National Demographic and Family Guidance Survey for settled and nomadic populations, respectively, and a constant annual growth rate of 2.2 percent. The 1972-73 estimated growth rate, obtained as an average of the estimated range from the 1972-73 survey, was assumed to apply to each year 1950 to 1973.

1974-79—Projected based on the adjusted 1972-73 and 1974 survey populations as noted above, and assuming a constant growth rate since 1973.

The following surveys were used in deriving the population time series:

| Survey date                                      | Estimated population | Adjusted population | Source   |
|--|----------------------|---------------------|--|
| Settled population:<br>1972-73                   | 10,020,099           | 11,521,000          | Survey totals for the settled and nomadic populations were reported in Chu, et al., 1975, table II.A and U.S. Embassy/Afghanistan, 1976, respectively. The nomadic population figure is preliminary. The settled population was adjusted at the U.S. Bureau of the Census (1978) for 13.0 percent net underestimation and the nomadic population was inflated assuming the same percent underestimation. |
| Nomadic population:<br>August-<br>September 1974 | 1,158,000            | 1,331,000           |  |

**MAJOR SOURCES**

Chu, Solomon, Robert N. Hill and Saxon Graham. 1975. *National Demographic and Family Guidance Survey of the Settled Population of Afghanistan*, vol. 1, *Demography*. Sponsored by the Government of Afghanistan and the U.S. Agency for International Development.

Foreign Broadcast Information Service. 1979. *Daily Report for Asia and the Pacific*, vol. 4, no. 195, Oct. 5. Washington, D.C.

Trussell, James and Eleanor Brown. 1979. "A Close Look at the Demography of Afghanistan." *Demography*, vol. 16, no. 1, pp. 137-151.

U.S. Bureau of the Census. 1978. *Afghanistan: A Demographic Uncertainty*, by James F. Spitler and Nancy B. Frank. International Research Document No. 6. Washington, D.C.

U.S. Embassy/Afghanistan. 1976. Personal communication.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of April 3, 1971..... | 216,078 |
| 2. Adjusted population, census of April 3, 1971.....   | 224,130 |
| 3. Births per 1,000 population, 1971.....              | 39-41   |
| 4. Deaths per 1,000 population, 1971.....              | 8-10    |
| 5. Annual rate of growth, 1971 (percent).....          | 1.5-1.9 |
| 6. Life expectancy at birth, 1968-69.....              | 58-64   |
| 7. Infant deaths per 1,000 live births, 1968-69.....   | 77-80   |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 370,000 |
| 9. Births per 1,000 population, 1978 .....     | 36-38   |
| 10. Deaths per 1,000 population, 1978 .....    | 8-9     |
| 11. Annual rate of growth, 1978 (percent)..... | 4.4-4.6 |

## NOTES:

- Final census figure as reported by Statistical Bureau, 1972a, p. 158. Population is de jure.
- Census population adjusted for an estimated 3.6 percent net underenumeration (Directorate of Statistics, 1979, pp. 7 and 149-156).
- Range based on an application of the Brass fertility technique to data from the 1971 census, 1970 registered births by age of mother, and smoothed 1971 census population by age and sex. The lower bound of the range is based on the  $P_2/F_2$  ratio, and the upper bound on the  $P_3/F_3$  ratio.
- Range based on the application of Coale-Demeny model life table central death rates to the smoothed 1971 census population by age and sex. The lower bound of the range is based on the south region and the upper bound on the west region (see notes 6 and 7).
- Difference between unrounded crude birth and death rates and an estimated net emigration rate of 13.8 per 1,000 population (Directorate of Statistics, 1979, table 4.3).
- Range based on estimated infant mortality rates (see note 7) and corresponding west and south region Coale-Demeny model life tables for the lower bound and upper bound, respectively.
- Range based on the application of various child survivorship techniques to data from the 1971 census using Coale-Demeny west and south region model life tables for the lower and upper bounds, respectively.
- See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1971 which take into consideration the high, medium, and low variant projections of the U.N. (1979, tables 2.A, 7, and 9) for Other Western South Asia.
- Range of variation given possible combinations of unrounded crude birth and death rates, and an estimated net immigration rate of 22.3 per 1,000 population based on arrival and departure data (Maani, 1979, p. 3).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 115        | 1970                       | 219        | 1950-55 | 2.5                        |
| 1955 | 130        |                            |            | 1955-60 | 3.7                        |
| 1960 | 157        | <b>PROJECTED ESTIMATES</b> |            | 1960-65 | 4.0                        |
| 1961 | 164        | 1971                       | 225        | 1965-70 | 2.7                        |
| 1962 | 172        | 1972                       | 230        | 1970-75 | 4.1                        |
| 1963 | 179        | 1973                       | 242        | 1975-79 | 7.9                        |
| 1964 | 186        | 1974                       | 257        |         |                            |
| 1965 | 191        | 1975                       | 269        |         |                            |
| 1966 | 197        | 1976                       | 289        |         |                            |
| 1967 | 202        | 1977                       | 323        |         |                            |
| 1968 | 208        | 1978                       | 354        |         |                            |
| 1969 | 213        | 1979                       | 370        |         |                            |

**NOTES:** 1950-70—Based on the inflated 1950 and 1959 censuses, the adjusted 1965 and 1971 censuses, and assumed trends in fertility, mortality, and net migration.

1971-79—Projected based on the adjusted 1971 census, estimated trends in fertility and mortality which take into consideration the medium variant projections of the United Nations (1979, tables 2.A and 2.B) for Other Western South Asia, and estimated net migration based on arrival and departure data (Directorate of Statistics, 1979, table 4.3; and Maani, 1979, p. 3).

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| March 3, 1950     | 109,650               | 113,967             | Enumerated populations as reported by Statistical Bureau, 1972a, p. 158.   |
| May 2, 1959       | 143,135               | 148,771             |  |
| February 13, 1965 | 182,203               | 189,377             | The 1965 enumerated population has been adjusted for 3.8 percent net underenumeration by Directorate of Statistics, 1979, p. 7. The 1950 and 1959 enumerated populations were inflated at the U.S. Bureau of the Census for the same percent net underenumeration as found for the 1965 census. The 1971 enumerated population has been adjusted for 3.6 percent net underenumeration by Directorate of Statistics (1979, p. 7). |
| April 3, 1971     | 216,078               | 224,130             |  |

## MAJOR SOURCES

Directorate of Statistics. 1978. *Statistical Abstract 1977*. Bahrain.

\_\_\_\_\_. 1979. *The Population of Bahrain: Trends and Prospects*. Manama.

Kjurciev, A. and Y. Courbage. 1974. "Alternative Population Projections and Analysis of the Essential Data in Bahrain." *Population Bulletin of the United Nations Economic Commission for Western Asia*, no. 6, Jan., pp. 39-67.

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Statistical Bureau. 1972a. *Statistics of the Population Census, 1971*.

\_\_\_\_\_. 1972b. *Statistical Abstract 1971*. Bahrain.

\_\_\_\_\_. 1974. *Statistical Abstract 1973*. Bahrain.

\_\_\_\_\_. 1975. *Statistical Abstract 1974*. Bahrain.

\_\_\_\_\_. 1976. *Statistical Abstract 1975*. Bahrain.

**BENCHMARK DATA**

|  |            |
|--|------------|
| 1. Enumerated population, census of March 1, 1974..... | 71,479,071 |
| 2. Adjusted population, census of March 1, 1974.....   | 76,398,000 |
| 3. Births per 1,000 population, 1974.....              | 44-48      |
| 4. Deaths per 1,000 population, 1974.....              | 20         |
| 5. Annual rate of growth, 1974 (percent).....          | 2.3-2.9    |
| 6. Life expectancy at birth, 1969-74.....              | 46         |
| 7. Infant deaths per 1,000 live births, 1969-74.....   | 153        |

**PROJECTED ESTIMATES**

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 88,092,000 |
| 9. Births per 1,000 population, 1978.....      | 44-48      |
| 10. Deaths per 1,000 population, 1978.....     | 17-20      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.5-3.0    |

**NOTES:**

1. Final census figure (Bureau of Statistics, 1977, table 1).
2. Census population adjusted for 6.4 percent net underenumeration based on a Post-Enumeration Check (Bureau of Statistics, 1977, p. v).
3. Lower bound of range was derived at the U.S. Bureau of the Census by applying age-specific fertility rates based on pregnancy histories from the 1975-76 Bangladesh Fertility Survey (Ahmed, 1979, p. 7) to an adjusted age-sex distribution from the 1974 census (Bangladesh and United Kingdom, 1977, p. 88). Upper bound of range is based on the same age-sex distribution and the age-specific fertility rates from the 1974 Bangladesh Retrospective Survey of Fertility and Mortality (BRSFM) as reported in Bangladesh and United Kingdom, 1977, p. 77. Fertility rates from the BRSFM were adjusted using a modification of the Brass fertility technique.
4. Adjusted estimate from the 1974 BRSFM (Bangladesh and United Kingdom, 1977, p. 88) based on age-sex-specific death rates from a 1969-74 life table and the adjusted 1974 age-sex distribution.
5. Range of variation given possible combinations of crude birth and death rates and a net emigration rate ranging from zero to 2 per 1,000 population (Khan, 1973, p. 194).
- 6-7. Derived from an empirical life table based on the application of the Brass mortality technique, the orphanhood technique, and the widowhood technique to data as reported in the 1974 BRSFM (Bangladesh and United Kingdom, 1977, p. 88).
8. See notes for Midyear Population Estimates.
9. Projected range of variation assuming no significant change in fertility since 1974.
10. Projected range of variation based on assumed trend of mortality since 1974.
11. Range of variation given selected combinations of unrounded crude birth and death rates (44.1 and 16.8 per 1,000 population and 47.5 and 17.3 per 1,000 population) and estimated net emigration rates of zero to 2 per 1,000 population.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 42,635     | 1970                       | 69,727     | 1950-55 | 2.3                        |
| 1955 | 47,741     | 1971                       | 71,556     | 1955-60 | 2.3                        |
| 1960 | 53,645     | 1972                       | 73,075     | 1960-65 | 2.6                        |
| 1961 | 54,992     | 1973                       | 75,052     | 1965-70 | 2.7                        |
| 1962 | 56,401     | 1974                       | 77,083     | 1970-75 | 2.5                        |
| 1963 | 57,869     | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 2.7                        |
| 1964 | 59,393     | 1975                       | 79,169     |         |                            |
| 1965 | 60,976     | 1976                       | 81,311     |         |                            |
| 1966 | 62,620     | 1977                       | 83,511     |         |                            |
| 1967 | 64,321     |                            |            |         |                            |
| 1968 | 66,074     | 1978                       | 85,771     |         |                            |
| 1969 | 67,876     | 1979                       | 88,092     |         |                            |

**NOTES:** 1950-74—Based on the adjusted 1974 census. Growth rates for 1950-61 are based on Pakistan Planning Commission population estimates for East and West Pakistan as reported in *UNDY 1970*, table 4; those for 1962-74 are based on results of the Population Growth Estimation Experiment (1962-65) and the 1974 Bangladesh Retrospective Survey of Fertility and Mortality. Population estimates for 1971 and 1972 take into account natural disasters and the war for independence.

1975-79—Based on the adjusted 1974 census and assumed fertility, mortality, and migration trends since 1975.

**MAJOR SOURCES**

Ahmed, Mahbubuddin. 1979. "A Note on the Direct Estimation of Current Fertility Level Using the Bangladesh Fertility Survey Data." A paper presented at the workshop, *Recent Trends of Fertility and Mortality in Bangladesh*. Dacca.

Bangladesh, Census Commission; and United Kingdom, Ministry of Overseas Development. 1977. *Report on the 1974 Bangladesh Retrospective Survey of Fertility and Mortality*. [London.]

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Khan, Masihur Rahman. 1973. "Bangladesh Population During the First Five Year Plan Period (1973-78): An Estimate." *Bangladesh Economic Review*, vol. 1, no. 2, pp. 186-198. Dacca.

Pakistan Institute of Development Economics. 1971. *Final Report of the Population Growth Estimation Experiment, 1962-65*. eds. M. Naseem Iqbal Farooqui and Ghazi Mumtaz Farooq.

## BENCHMARK DATA

|    |  |           |
|----|--|-----------|
| 1. | Enumerated population, census of November-December 1969..... | 1,034,774 |
| 2. | Adjusted population, census of November-December 1969.....   | NA        |
| 3. | Births per 1,000 population.....                             | NA        |
| 4. | Deaths per 1,000 population.....                             | NA        |
| 5. | Annual rate of growth.....                                   | NA        |
| 6. | Life expectancy at birth.....                                | NA        |
| 7. | Infant deaths per 1,000 live births.....                     | NA        |

## PROJECTED ESTIMATES

|     |  |           |
|-----|--|-----------|
| 8.  | Population, July 1, 1979 .....             | 1,273,000 |
| 9.  | Births per 1,000 population, 1978.....     | 43        |
| 10. | Deaths per 1,000 population, 1978.....     | 20        |
| 11. | Annual rate of growth, 1978 (percent)..... | 2.2-2.3   |

## NOTES:

1. Final census figure as reported in *PVSR April 1979*.
2. The 1969 census has not been evaluated for possible coverage error.
- 3-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-11. Based on assumed trends in fertility and mortality which take into consideration alternative United Nations projections.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 752        | <b>PROJECTED ESTIMATES</b> |            | 1950-55 | 1.1                        |
| 1955 | 793        |                            |            | 1955-60 | 1.6                        |
| 1960 | 859        | 1970                       | 1,048      | 1960-65 | 1.9                        |
| 1961 | 875        | 1971                       | 1,070      | 1965-70 | 2.1                        |
| 1962 | 891        | 1972                       | 1,092      | 1970-75 | 2.1                        |
| 1963 | 908        | 1973                       | 1,115      | 1975-79 | 2.3                        |
| 1964 | 925        | 1974                       | 1,138      |         |                            |
| 1965 | 943        | 1975                       | 1,163      |         |                            |
| 1966 | 962        | 1976                       | 1,190      |         |                            |
| 1967 | 983        | 1977                       | 1,217      |         |                            |
| 1968 | 1,004      | 1978                       | 1,244      |         |                            |
| 1969 | 1,026      | 1979                       | 1,273      |         |                            |

**NOTES:** 1950-79—Based on the 1969 census and assumed trends in the growth rate which take into consideration alternative U.N. projections.

**MAJOR SOURCES**

United Nations. 1977. *World Population Prospects as Assessed in 1973*. ST/ESA/SER.A/60. New York.

\_\_\_\_\_. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of August 10, 1971..... | 136,256 |
| 2. Adjusted population, census of August 10, 1971.....   | 137,147 |
| 3. Births per 1,000 population, 1978.....                | 28      |
| 4. Deaths per 1,000 population, 1978.....                | 4       |
| 5. Annual rate of growth, 1977-78 (percent).....         | 5.8     |
| 6. Life expectancy at birth, 1971.....                   | 64-67   |
| 7. Infant deaths per 1,000 live births, 1978.....        | 20      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 213,000 |
| 9. Births per 1,000 population, 1978.....      | 28      |
| 10. Deaths per 1,000 population, 1978.....     | 4       |
| 11. Annual rate of growth, 1978 (percent)..... | 5.8     |

## NOTES:

- Final census figure as reported in Economic and Statistics Section, 1973, table 1. Population excludes transients afloat.
- Based on an official estimate of 0.65 percent underenumeration shown by a post enumeration survey (Economic and Statistics Section, 1973, p. 29).
- 3-4. Based on provisional registered data and the official midyear population estimate (*PVSR October 1979*).
5. Calculated from official midyear population estimates for 1977 and 1978 (U.N., 1979). This growth rate implies a net immigration rate of 33 per 1,000 population.
6. Estimated based on an average of registered deaths, by age and sex, for 1971, 1972, and 1973 (*UNDY 1974*, table 25); the total 1971 census population; and the 1971 enumerated population excluding temporary residents and short-term visitors (Economic and Statistics Section, 1973, tables 8 and 37).
7. Based on provisional registered data (*PVSR October 1979*).
8. See notes for Midyear Population Estimates.
- 9-10. See note 3-4.
11. Projected assuming no significant change in the 1977-78 growth rate. The difference between the unrounded crude birth and death rates and the growth rate implies a net immigration rate of 33 per 1,000 population.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                      | Population | Period  | Average annual growth rate |
|------|------------|---------------------------|------------|---------|----------------------------|
| 1950 | 45         | 1970                      | 128        | 1950-55 | 6.1                        |
| 1955 | 61         | 1971                      | 137        | 1955-60 | 6.2                        |
| 1960 | 83         | 1972                      | 142        | 1960-65 | 4.2                        |
| 1961 | 87         | 1973                      | 145        | 1965-70 | 4.4                        |
| 1962 | 91         | 1974                      | 150        | 1970-75 | 4.8                        |
| 1963 | 94         | 1975                      | 162        | 1975-79 | 6.8                        |
| 1964 | 98         | 1976                      | 177        |         |                            |
| 1965 | 102        | 1977                      | 190        |         |                            |
| 1966 | 107        | 1978                      | 201        |         |                            |
| 1967 | 111        |                           |            |         |                            |
|      |            | <b>PROJECTED ESTIMATE</b> |            |         |                            |
| 1968 | 116        | 1979                      | 213        |         |                            |
| 1969 | 121        |                           |            |         |                            |

**NOTES:** 1950-71—Based on the unadjusted 1947 and 1960 censuses, the adjusted 1971 census, and assumed fertility, mortality, and migration trends since 1950.

1972-78—Official estimates as reported by the U.N., 1979. The 1977 estimate is provisional.

1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| November 24, 1947 | 40,657                |                     | Enumerated populations for 1947, 1960, and 1971 and the adjusted 1971 population are reported in Economic and Statistics Section, 1973, table 2 and p. 29. The 1971 population was adjusted based on an official estimate of 0.65 percent underenumeration. |
| August 10, 1960   | 83,877                |                     |   |
| August 10, 1971   | 136,256               | 137,147             |   |

#### MAJOR SOURCES

Economic and Statistics Section. 1973. *Report on the Census of Population 1971*. Bandar Seri Begawan.

United Nations. Statistical Office. 1979. Personal communication.

## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of March 31, 1973..... | 28,885,867 |
| 2. Adjusted population, census of March 31, 1973.....   | NA         |
| 3. Births per 1,000 population.....                     | NA         |
| 4. Deaths per 1,000 population.....                     | NA         |
| 5. Annual rate of growth.....                           | NA         |
| 6. Life expectancy at birth.....                        | NA         |
| 7. Infant deaths per 1,000 live births.....             | NA         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 33,590,000 |
| 9. Births per 1,000 population, 1978.....      | 38-39      |
| 10. Deaths per 1,000 population, 1978.....     | 14         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3-2.5    |

## NOTES:

1. Provisional census figure as reported in *PVSR January 1979*. Figure includes estimates of approximately 800,000 persons residing in six townships which were not enumerated, and 1,600 residents who were absent at the time of the census. Population is de jure.
2. The 1973 census has not been evaluated for possible coverage error.
- 3-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-11. Projected range of variation based on 1975-80 and 1980-85 projected rates from the U.N. high, medium, and low variant projections (U.N., 1979, tables 2-A, 7, and 9). The death rate rounds to the same number for all variants.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 17,927     | 1970                       | 27,078     | 1950-55 | 1.9                        |
| 1955 | 19,682     | 1971                       | 27,718     | 1955-60 | 2.0                        |
| 1960 | 21,726     | 1972                       | 28,378     | 1960-65 | 2.1                        |
| 1961 | 22,180     |                            |            | 1965-70 | 2.3                        |
| 1962 | 22,650     |                            |            | 1970-75 | 2.4                        |
|      |            | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 2.4                        |
| 1963 | 23,138     | 1973                       | 29,059     |         |                            |
| 1964 | 23,643     | 1974                       | 29,760     |         |                            |
| 1965 | 24,167     | 1975                       | 30,482     |         |                            |
| 1966 | 24,710     | 1976                       | 31,226     |         |                            |
| 1967 | 25,272     | 1977                       | 31,992     |         |                            |
| 1968 | 25,856     | 1978                       | 32,782     |         |                            |
| 1969 | 26,458     | 1979                       | 33,590     |         |                            |

**NOTES:** 1950-79—Based on the 1973 unadjusted census population, and growth rates derived from U.N. medium variant projection series (U.N., 1979, table 1-A; and unpublished computer printout).

**MAJOR SOURCES**

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|  |             |
|--|-------------|
| 1. Enumerated population, census of June 30, 1953..... | 582,603,417 |
| 2. Adjusted population, census of June 30, 1953.....   | NA          |
| 3. Births per 1,000 population.....                    | NA          |
| 4. Deaths per 1,000 population.....                    | NA          |
| 5. Annual rate of growth.....                          | NA          |
| 6. Life expectancy at birth.....                       | NA          |
| 7. Infant deaths per 1,000 live births.....            | NA          |

## PROJECTED ESTIMATES

|  |               |
|--|---------------|
| 8. Population, July 1, 1979.....               | 1,012,197,000 |
| 9. Births per 1,000 population, 1978.....      | 21-26         |
| 10. Deaths per 1,000 population, 1978.....     | 7-9           |
| 11. Annual rate of growth, 1978 (percent)..... | 1.4-1.7       |

## NOTES:

- Final census figure as reported by State Statistical Bureau (1954). Excludes a reported 7,591,298 population residing in Taiwan and 11,743,320 Chinese residing overseas. The Chinese took a census in 1964 which disclosed a population of 691,220,000 on the mainland as of midyear (published by Ditu Chuban She, 1972). In conjunction with the official population totals for the 1950's, this figure implies a major population loss in the early 1960's and is therefore not used as a benchmark figure.
- The 1953 census has not been evaluated for possible coverage error.
- 3-5. Data not available. An official Chinese source (State Statistical Bureau, 1979) reports a 1977 birth rate of 19.03, death rate of 6.91, and natural increase rate of 12.12; the corresponding figures for 1978 are 18.30, 6.30, and 12.00. Another source (Xinhua, 1980) gives the 1979 natural increase rate as 11.7 per 1,000 population.
- 6-7. Data not available. A life expectancy at birth of 68 years for 1978 was reported by Yu Zhenpeng (1980).
- Based on FDAD intermediate model population estimates and projections (U.S. Bureau of the Census, 1980). The corresponding low model figure is 964,365,000 and the high model figure is 1,060,029,000.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1953 as derived from FDAD component projections (U.S. Bureau of the Census, 1980). The intermediate model crude birth and death rates are 23 and 8 per 1,000 population, respectively.
11. Range of variation from FDAD component projections (U.S. Bureau of the Census, 1980). The intermediate model growth rate is 1.5 percent.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 547,364    | 1968 | 802,821    | 1950-55 | 2.2                        |
| <b>PROJECTED ESTIMATES</b> |            | 1969 | 825,032    | 1955-60 | 2.2                        |
| 1955                       | 611,585    | 1970 | 848,348    | 1960-65 | 1.5                        |
| 1960                       | 681,559    | 1971 | 870,699    | 1965-70 | 2.8                        |
| 1961                       | 681,652    | 1972 | 891,601    | 1970-75 | 2.3                        |
| 1962                       | 681,716    | 1973 | 911,544    | 1975-79 | 1.6                        |
| 1963                       | 692,126    | 1974 | 931,042    |         |                            |
| 1964                       | 712,449    | 1975 | 949,711    |         |                            |
| 1965                       | 736,054    | 1976 | 966,710    |         |                            |
| 1966                       | 758,512    | 1977 | 982,185    |         |                            |
| 1967                       | 780,176    | 1978 | 997,225    |         |                            |
|                            |            | 1979 | 1,012,197  |         |                            |

**NOTES:** 1950-79—Reported and estimated data provided by FDAD. For further information on sources and methods used in estimation, write the Chief, Foreign Demographic Analysis Division, Bureau of the Census, Washington, D.C. 20230. Official Chinese sources have reported end-of-year population totals of 803,350,000 for 1969 (Xinhua, 1980); 919,700,000 for 1975, 932,670,000 for 1976, 945,230,000 for 1977, 958,070,000 for 1978 (Song and Li, 1980); and 970,920,000 for 1979 (Xinhua, 1980). These figures are based on compilations of totals reported by the provinces. However, the implied rates of growth during 1978 and 1979 are not consistent with the corresponding official natural increase rates, and there are questions about the statistical origins of all of these figures; hence they are not incorporated as controls in the series given above.

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Ditu Chuban She (Map Publishing House). 1972. *Shijie Ditu Ce (World Atlas)*. Peking.

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**BENCHMARK DATA**

|  |            |
|--|------------|
| 1. Enumerated population, census of December 16, 1975..... | 16,206,183 |
| 2. Adjusted population, census of December 16, 1975.....   | 16,260,000 |
| 3. Births per 1,000 population, 1978.....                  | 25         |
| 4. Deaths per 1,000 population, 1978.....                  | 5          |
| 5. Annual rate of growth, 1978 (percent).....              | 2.0        |
| 6. Life expectancy at birth, 1977.....                     | 70         |
| 7. Infant deaths per 1,000 live births, 1977.....          | 25         |

**PROJECTED ESTIMATES**

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 17,456,000 |
| 9. Births per 1,000 population, 1978.....      | 25         |
| 10. Deaths per 1,000 population, 1978.....     | 5          |
| 11. Annual rate of growth, 1978 (percent)..... | 2.0        |

**NOTES:**

1. Final census figure. Excludes a reported population of 73,173 for the Fukien Area (Population Census Office of the Executive Yuan, 1976, table 1).
2. Census population adjusted for 0.3 percent net underenumeration (U.S. Bureau of the Census, 1978).
- 3-4. Estimated at the U.S. Bureau of the Census based on registered data and the estimated midyear population. Births and deaths were adjusted for 2 and 4 percent underregistration, respectively.
5. Difference between crude birth and death rates.
- 6-7. Calculated from official 1977 life tables (Ministry of the Interior, 1978, table 88) based on registered deaths, by age and sex.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 7,981      | 1970                       | 14,598     | 1950-55 | 3.5                        |
| 1955 | 9,486      | 1971                       | 14,918     | 1955-60 | 3.3                        |
| 1960 | 11,209     | 1972                       | 15,226     | 1960-65 | 2.9                        |
| 1961 | 11,563     | 1973                       | 15,526     | 1965-70 | 2.4                        |
| 1962 | 11,919     | 1974                       | 15,824     | 1970-75 | 2.0                        |
| 1963 | 12,277     | 1975                       | 16,122     | 1975-79 | 2.0                        |
| 1964 | 12,631     | 1976                       | 16,450     |         |                            |
| 1965 | 12,978     | 1977                       | 16,788     |         |                            |
| 1966 | 13,321     | 1978                       | 17,118     |         |                            |
| 1967 | 13,649     |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 13,962     | 1979                       | 17,456     |         |                            |
| 1969 | 14,282     |                            |            |         |                            |

**NOTES:** 1950-78—Based on the 1966, 1970, and 1975 adjusted censuses and adjusted registered births and deaths (U.S. Bureau of the Census, 1978).

1979—Projected at the U.S. Bureau of the Census based on the 1978 midyear population. Adjusted registered births and deaths for 1978 were used to estimate the population at the end of the 1978 calendar year. The end year estimate for 1978 was projected to midyear 1979 assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| December 16, 1966 | 13,348,096            | 13,487,000          | Enumerated populations for 1966, 1970, and 1975 as reported in Census Office of Taiwan, no date, table 9; Census Office of the Executive Yuan, 1972, table 7; and Population Census Office of the Executive Yuan, 1976, table 1, respectively. |
| December 16, 1970 | 14,693,013            | 14,749,000          |  |
| December 16, 1975 | 16,206,183            | 16,260,000          |  |

The 1966, 1970, and 1975 enumerated populations were adjusted at the U.S. Bureau of the Census (1978) for 1.0, 0.4, and 0.3 percent net underenumeration, respectively.

## MAJOR SOURCES

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- U.S. Bureau of the Census. 1978. *Country Demographic Profiles—Republic of China.* Washington, D.C.

## BENCHMARK DATA

|   |         |
|---|---------|
| 1. Enumerated population, census of September 30, 1976..... | 612,851 |
| 2. Adjusted population, census of September 30, 1976.....   | NA      |
| 3. Births per 1,000 population, 1978.....                   | 19      |
| 4. Deaths per 1,000 population, 1978.....                   | 8       |
| 5. Annual rate of growth, 1978 (percent).....               | 0.7     |
| 6. Life expectancy at birth, 1976-77.....                   | 73      |
| 7. Infant deaths per 1,000 live births, 1978.....           | 17      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 621,000 |
| 9. Births per 1,000 population, 1978.....      | 19      |
| 10. Deaths per 1,000 population, 1978.....     | 8       |
| 11. Annual rate of growth, 1978 (percent)..... | 0.7     |

## NOTES:

- Final census figure as reported in Statistics and Research Department, 1979a, table 1. Population is de jure.
- The 1976 census has not been evaluated for possible coverage error.
- 3-4. Based on registered births, deaths, and official midyear population as reported in Statistics and Research Department, 1979a, tables 13, 15, and 30. Published registration data include an unknown amount of upward adjustment.
5. Calculated from official de jure end-of-year population estimates for 1977 and 1978 as reported in Statistics and Research Department, 1979a, table 13. The rate of natural increase exceeds the rate of growth due to an implied net emigration rate of 3.6 per 1,000 population.
6. Calculated from official estimates of life expectancy at birth by sex (Statistics and Research Department, 1979a, tables 38 and 39).
7. Calculated from official estimates of registered births and infant deaths as reported in Statistics and Research Department, 1979a, tables 15 and 34. Published registration data include an unknown amount of upward adjustment.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 494        | 1970                       | 615        | 1950-55 | 1.4                        |
| 1955 | 530        | 1971                       | 620        | 1955-60 | 1.6                        |
| 1960 | 573        | 1972                       | 626        | 1960-65 | 0.6                        |
| 1961 | 579        | 1973                       | 634        | 1965-70 | 0.8                        |
| 1962 | 576        | 1974                       | 641        | 1970-75 | 0.1                        |
| 1963 | 582        | 1975                       | 618        | 1975-79 | 0.1                        |
| 1964 | 587        | 1976                       | 613        |         |                            |
| 1965 | 591        | 1977                       | 613        |         |                            |
| 1966 | 595        | 1978                       | 616        |         |                            |
| 1967 | 599        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 604        | 1979                       | 621        |         |                            |
| 1969 | 609        |                            |            |         |                            |

**NOTES:** 1950-78—Official midyear population estimates as reported by the Statistics and Research Department (1973, table 7; and 1979a, table 12) based on the 1946, 1960, 1973, and 1976 censuses. Estimates are de jure beginning in 1961.

1979—Calculated by applying the unrounded growth rate from the official end-of-year population estimates for 1977 and 1978 (Statistics and Research Department, 1979a, table 13) to the official end-of-year 1978 estimate.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source   |
|--------------------|-----------------------|---------------------|--|
| November 10, 1946  | 450,114               |                     | Enumerated 1946 and 1960 de facto and 1973 and 1976 de jure populations as reported in Statistics and Research Department, 1979a, table 1. |
| December 11, 1960  | 573,566               |                     |  |
| April 1, 1973      | 631,778               |                     |  |
| September 30, 1976 | 612,851               |                     |  |

#### MAJOR SOURCES

Statistics and Research Department. 1973. *Demographic Report, 1972*. Nicosia.

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\_\_\_\_\_. 1979a. *Demographic Report, 1978*. Nicosia.

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**BENCHMARK DATA<sup>1</sup>**

|   |         |
|---|---------|
| 1. Enumerated population, census of September 14, 1967..... | 356,261 |
| 2. Adjusted population, census of September 14, 1967.....   | NA      |
| 3. Births per 1,000 population, 1978.....                   | 51      |
| 4. Deaths per 1,000 population, 1978.....                   | 14      |
| 5. Annual rate of growth, 1978 (percent).....               | 2.7     |
| 6. Life expectancy at birth .....                           | NA      |
| 7. Infant deaths per 1,000 live births.....                 | NA      |

**PROJECTED ESTIMATES<sup>1</sup>**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 420,000 |
| 9. Births per 1,000 population, 1978 .....     | 51      |
| 10. Deaths per 1,000 population, 1978 .....    | 14      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.7     |

**NOTES:**

1. Final census figure as reported in Israel, 1967, table B.
2. The 1967 census has not been evaluated for possible coverage error.
3. Calculated from births registered in 1978 and the average population for 1978.
4. Based on deaths estimated as the difference between registered births and official estimate of natural increase, and the average population for 1978 (Israel, 1979, table A/1).
5. Calculated from official December 31 population estimates for 1977 and 1978 as reported in Israel, 1979, table A/1. The difference between the rate of natural increase (3.6 percent) and the rate of growth implies a net emigration rate of 9 per 1,000 population.
- 6-7. Data not available. Using an estimated 1977 crude death rate of 15 the 1977 age distribution (Israel, 1979, table A/1; and Israel, 1978, table XXVII/3), and the Coale-Demeny south region pattern of mortality, a life expectancy at birth of 53 years and an infant mortality rate of 118 can be estimated for 1977.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

<sup>1</sup>All data except items 1 and 8 refer to Gaza Strip and Northern Sinai combined.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 300        | 1970 | 329        | 1950-55 | 1.6                        |
| 1955                       | 325        | 1971 | 335        | 1955-60 | 3.0                        |
| 1960                       | 377        | 1972 | 342        | 1960-65 | 2.5                        |
| 1961                       | 368        | 1973 | 353        | 1965-70 | -5.3                       |
| 1962                       | 382        | 1974 | 365        | 1970-75 | 2.6                        |
| 1963                       | 395        | 1975 | 374        | 1975-79 | 2.8                        |
| 1964                       | 410        | 1976 | 384        |         |                            |
| 1965                       | 428        | 1977 | 396        |         |                            |
| 1966                       | 440        | 1978 | 407        |         |                            |
| 1967                       | 369        |      |            |         |                            |
| <b>PROJECTED ESTIMATES</b> |            |      |            |         |                            |
| 1968                       | 334        | 1979 | 420        |         |                            |
| 1969                       | 324        |      |            |         |                            |

**NOTES:** 1950-66—Based on population estimates reported in *UNDY 1963*, table 4; and *UNDY 1969*, table 4.

1967-78—Based on the 1967 census figure for Gaza Strip and official population estimates for 1968-78 for Gaza Strip and Northern Sinai combined, as reported in Israel, 1978, table XXVII/1; and 1979, table A/1. All estimates shown are for Gaza Strip, calculated after deducting the estimated population for Northern Sinai from the estimated combined Gaza Strip and Northern Sinai population. Estimates for Northern Sinai were calculated assuming a constant annual growth rate of 2.5 percent after 1967.

1979—Projected assuming a continuation of the 1977-78 growth rate for Gaza Strip.

**MAJOR SOURCES**

Israel. Central Bureau of Statistics. 1967. *Census of Population 1967: West Bank of the Jordan, Gaza Strip, and Northern Sinai, Golan Heights, Data from Full Enumeration*. Publication no. 1. Jerusalem.

\_\_\_\_\_. 1978. *Statistical Abstract of Israel 1978*, no. 29. Jerusalem.

\_\_\_\_\_. 1979. *Quarterly Statistics of the Administered Territories*, vol. VIII, no. 4. Jerusalem.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of August 2, 1976..... | 4,420,390 |
| 2. Adjusted population, census of August 2, 1976.....   | 4,439,250 |
| 3. Births per 1,000 population, 1978.....               | 18        |
| 4. Deaths per 1,000 population, 1978.....               | 5         |
| 5. Annual rate of growth, 1978-79 (percent).....        | 6.2       |
| 6. Life expectancy at birth, 1976 .....                 | 73        |
| 7. Infant deaths per 1,000 live births, 1978.....       | 12        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979 .....              | 4,900,000 |
| 9. Births per 1,000 population, 1978.....      | 18        |
| 10. Deaths per 1,000 population, 1978.....     | 5         |
| 11. Annual rate of growth, 1978 (percent)..... | 3.3       |

## NOTES:

- Final census figure as reported in Census and Statistics Department, no date, table 3.1. Includes an official upward adjustment to allow for persons in "non-contact households" and to allow for natural increase among the marine population who were enumerated two months before the land population.
- Census figure officially adjusted for 0.42 percent net underenumeration (Census and Statistics Department, 1977, p.5), based on the results of a post enumeration survey.
4. Official rates as reported in Census and Statistics Department, 1979b, table 14.3.
- Calculated from official midyear population estimates for 1978 and 1979 (Census and Statistics Department, 1979b, table 14.3). The difference between the 1978-79 growth rate and the rate of natural increase for 1978 implies a net immigration rate of 49.4 per 1,000 population. Official estimates imply a sharp increase in net immigration. This migration is believed to be due to Vietnamese refugees arriving in Hong Kong between January 1979 and July 1979.
- Calculated from official life tables for males and females (Census and Statistics Department, 1978a, table 1).
- Official rate as reported in Census and Statistics Department, 1979b, table 14.3.
- See notes for Midyear Population Estimates.
10. See note 3-4.
- Calculated at the U.S. Bureau of the Census based on official end-of-year population estimates for 1977 and 1978 (Census and Statistics Department, 1979a, table 14.3), implying a net immigration rate of 20.6 per 1,000 population.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 2,237      | 1970 | 3,959      | 1950-55 | 2.1                        |
| 1955 | 2,490      | 1971 | 4,045      | 1955-60 | 4.2                        |
| 1960 | 3,075      | 1972 | 4,116      | 1960-65 | 3.1                        |
| 1961 | 3,168      | 1973 | 4,213      | 1965-70 | 1.9                        |
| 1962 | 3,305      | 1974 | 4,320      | 1970-75 | 2.1                        |
| 1963 | 3,421      | 1975 | 4,396      | 1975-79 | 2.7                        |
| 1964 | 3,505      | 1976 | 4,444      |         |                            |
| 1965 | 3,598      | 1977 | 4,514      |         |                            |
| 1966 | 3,630      | 1978 | 4,606      |         |                            |
| 1967 | 3,723      | 1979 | 4,900      |         |                            |
| 1968 | 3,803      |      |            |         |                            |
| 1969 | 3,864      |      |            |         |                            |

**NOTES:** 1950-79—Official estimates as reported in Census and Statistics Department, 1969, table 2.2; no date, table 3.3; 1978b, table 14.3; and 1979b, table 14.3.

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source  |
|----------------|-----------------------|---------------------|---|
| March 7, 1961  | 3,133,131             | 3,152,043           | The enumerated populations of 1961, 1971, and 1976 as reported in <i>UNDY 1968</i> , table 2; Census and Statistics Department, 1972, p. 9; and Census and Statistics Department, no date, table 3.1, respectively.<br><br>The 1961, 1971, and 1976 censuses were adjusted for 0.6, 1.05, and 0.42 percent underenumeration, respectively (U.N., 1974, p. 122; Census and Statistics Department, 1972, p. 9; and Census and Statistics Department, 1977, p. 5). |
| March 9, 1971  | 3,948,179             | 3,990,074           |   |
| August 3, 1976 | 4,420,390             | 4,439,250           |   |

### MAJOR SOURCES

- Census and Statistics Department. 1969. *Hong Kong Statistics 1947-1967*. Hong Kong.
- \_\_\_\_\_. 1972. *Hong Kong Population and Housing Census 1971: Main Report*. Hong Kong.
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- \_\_\_\_\_. no date. *Hong Kong By-Census, 1976. Main Report*, vol. 1.

United Nations. ESCAP. 1974. *The Demographic Situation in Hong Kong*. ESCAP Country Monograph Series, no. 1. Bangkok.

## BENCHMARK DATA

|  |             |
|--|-------------|
| 1. Enumerated population, census of April 1, 1971..... | 548,159,652 |
| 2. Adjusted population, census of April 1, 1971.....   | 563,214,000 |
| 3. Births per 1,000 population, 1977.....              | 35          |
| 4. Deaths per 1,000 population, 1971.....              | 17          |
| 5. Annual rate of growth, 1971 (percent).....          | 2.2         |
| 6. Life expectancy at birth, 1969.....                 | 47          |
| 7. Infant deaths per 1,000 live births, 1969.....      | 134         |

## PROJECTED ESTIMATES

|  |             |
|--|-------------|
| 8. Population, July 1, 1979.....               | 667,326,000 |
| 9. Births per 1,000 population, 1978.....      | 33-34       |
| 10. Deaths per 1,000 population, 1978.....     | 15          |
| 11. Annual rate of growth, 1978 (percent)..... | 1.9         |

## NOTES:

- Final census figure including the Indian held part of Jammu and Kashmir (4,616,632) and Sikkim (209,843) as reported in Registrar General and Census Commissioner, 1975, table A-I.
- Census population adjusted for 2.7 percent net underenumeration (U.S. Bureau of the Census, 1978).
- Derived at the U.S. Bureau of the Census by inflating, by 5 percent, the reported crude birth rate from the India Sample Registration System (Registrar General, 1979).
- Calculated at the U.S. Bureau of the Census by applying central death rates from an estimated 1971 life table to the 1971 census population adjusted by age and sex, and moved to midyear (U.S. Bureau of the Census, 1978).
- Difference between unrounded crude birth and death rates for 1971 (38.7 per 1,000 and 16.7 per 1,000 population, respectively). Adjusted crude birth rate based on rate from Sample Registration System as reported in Registrar General, 1978, p. 2.
- Derived from estimated life tables prepared at the U.S. Bureau of the Census (1978).
- See notes for Midyear Population Estimates.
- Projected range of variation based on assumed trend of fertility since 1977 and of mortality since 1971.
- Projected rate based on selected combinations of unrounded crude birth and death rates (33.1 and 14.6 per 1,000 population and 33.8 and 14.7 per 1,000 population, respectively). The growth rate rounds to the same number for both series.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 369,880    | 1970                       | 553,619    | 1950-55 | 1.8                        |
| 1955 | 404,478    |                            |            | 1955-60 | 1.9                        |
| 1960 | 445,857    | <b>PROJECTED ESTIMATES</b> |            | 1960-65 | 2.1                        |
| 1961 | 454,946    | 1971                       | 566,180    | 1965-70 | 2.2                        |
| 1962 | 464,230    | 1972                       | 578,712    | 1970-75 | 2.2                        |
| 1963 | 473,850    | 1973                       | 591,328    | 1975-79 | 2.0                        |
| 1964 | 484,027    | 1974                       | 603,797    |         |                            |
| 1965 | 494,882    | 1975                       | 616,551    |         |                            |
| 1966 | 506,005    | 1976                       | 629,760    |         |                            |
| 1967 | 517,457    | 1977                       | 642,552    |         |                            |
| 1968 | 529,200    | 1978                       | 654,895    |         |                            |
| 1969 | 541,296    | 1979                       | 667,326    |         |                            |

**NOTES:** 1950-71—Based on the adjusted 1961 and 1971 censuses and estimated trends in fertility and mortality since 1950. Data include all areas of present-day India.

1972-77—Projected by the component method based on the 1971 adjusted midyear population, adjusted crude birth rates for each year 1971-77, and an assumed trend in mortality.

1978-79—Projected by the component method based on the 1977 projected midyear population and assumed trends in fertility and mortality.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source   |
|---------------|-----------------------|---------------------|--|
| March 1, 1961 | 439,234,771           | 451,885,000         | Enumerated populations as reported in Registrar General and Census Commissioner, 1975, table A-II. |
| April 1, 1971 | 548,159,652           | 563,214,000         |  |

The 1961 and 1971 enumerated populations were adjusted at the U.S. Bureau of the Census (1978) for 2.8 percent and 2.7 percent net underenumeration, respectively.

## MAJOR SOURCES

- Adlakha, Arjun and Dudley Kirk. 1974. "Vital Rates in India 1961-71 Estimated from 1971 Census Data." *Population Studies*, vol. 28, no. 3, pp. 381-400.
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- Visaria, Pravin M. 1969. "Mortality and Fertility in India, 1951-1961." *The Milbank Memorial Fund Quarterly*, vol. XLVIII, part 1, no. 1, pp. 91-116.

## BENCHMARK DATA

|   |             |
|---|-------------|
| 1. Enumerated population, census of September 24, 1971..... | 119,232,499 |
| 2. Adjusted population, census of September 24, 1971.....   | 126,014,000 |
| 3. Births per 1,000 population, 1975.....                   | 36-38       |
| 4. Deaths per 1,000 population, 1975.....                   | 16          |
| 5. Annual rate of growth, 1975 (percent).....               | 2.0-2.1     |
| 6. Life expectancy at birth, 1975.....                      | 46          |
| 7. Infant deaths per 1,000 live births, 1975.....           | 114         |

## PROJECTED ESTIMATES

|  |             |
|--|-------------|
| 8. Population, July 1, 1979.....               | 148,085,000 |
| 9. Births per 1,000 population, 1978.....      | 34-36       |
| 10. Deaths per 1,000 population, 1978.....     | 15          |
| 11. Annual rate of growth, 1978 (percent)..... | 2.0-2.1     |

## NOTES:

1. Census population as reported in Central Bureau of Statistics, 1975, p. xxx, including an estimated population of 772,654 for rural West Irian. Excludes a provisional figure of 610,500 from the December 15, 1970 census of East Timor (*PVSR January 1978*) which was annexed by Indonesia in July 1976.
2. Census population adjusted for 4.9 percent net underenumeration by the U.S. Bureau of the Census. Includes an inflated 1970 census figure of 642,000 for East Timor (derived by assuming the same percent net underenumeration for East Timor as for the remainder of Indonesia) projected to 1971.
- 3-4. Range of variation implied by alternate component population estimates based on the 1971 adjusted census population, by age and sex; on two estimates of fertility trends; and on one estimate of the trend of mortality.
5. Range of variation given selected combinations of unrounded crude birth and death rates (37.9 and 16.5 per 1,000 population and 36.3 and 16.4 per 1,000 population, respectively).
6. Calculated at the U.S. Bureau of the Census (1979) based on levels of life expectancy at birth for Java and Outside Java used by the Central Bureau of Statistics (1978) in making their official population projections, and consideration of past trends of mortality.
7. Estimated by Hull (1978a) using data on date of last birth and number of last births still living from Phase II of the 1976 Intercensal Population Survey.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1975.
11. Range of variation given selected combinations of unrounded crude birth and death rates (36.1 and 14.8 per 1,000 population and 34.3 and 14.6 per 1,000 population, respectively).

## INDONESIA

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 83,414     | 1970                       | 122,671    | 1950-55 | 1.7                        |
| 1955 | 90,727     | 1971                       | 125,353    | 1955-60 | 2.1                        |
| 1960 | 100,655    | 1972                       | 128,175    | 1960-65 | 2.2                        |
| 1961 | 102,900    | 1973                       | 131,020    | 1965-70 | 1.8                        |
| 1962 | 105,242    | 1974                       | 133,824    | 1970-75 | 2.1                        |
| 1963 | 107,627    | 1975                       | 136,578    | 1975-79 | 2.0                        |
| 1964 | 110,055    | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 112,269    | 1976                       | 139,349    |         |                            |
| 1966 | 114,176    | 1977                       | 142,187    |         |                            |
| 1967 | 116,115    |                            |            |         |                            |
| 1968 | 118,123    | 1978                       | 145,095    |         |                            |
| 1969 | 120,286    | 1979                       | 148,085    |         |                            |

**NOTES:** 1950-75—Based on the adjusted 1961 and 1971 censuses of Indonesia excluding East Timor, the inflated 1960 and 1970 censuses of East Timor, and estimated fertility and mortality trends during the period. East Timor was annexed by Indonesia in July 1976.

1976-79—Population of Indonesia including East Timor was projected by the component method based on the midyear 1975 population (U.S. Bureau of the Census, 1979, table 1).

The following censuses were used in deriving the population time series:

| Census date                      | Enumerated population | Adjusted population | Source   |
|----------------------------------|-----------------------|---------------------|--|
| Indonesia, excluding East Timor: |                       |                     | Indonesia, excluding East Timor—Enumerated populations for 1961 and 1971 are from Central Bureau of Statistics, 1963, table 1; and 1975, table xxx, respectively. They include an estimated population for West Irian of 700,000 in 1961; and for rural West Irian of 772,654 in 1971. |
| October 31, 1961                 | 97,018,829            | 102,880,000         |  |
| September 24, 1971               | 119,232,499           | 125,362,000         |  |
| East Timor:                      |                       |                     |  |
| December 15, 1960                | 517,079               | 548,000             |  |
| December 15, 1970                | 610,500               | 642,000             |  |

Adjusted figures were estimated at the U.S. Bureau of the Census (1979).

East Timor—Enumerated populations for 1960 and 1970 are from *UNDY 1970*, table 7; and *PVSR January 1978*, respectively.

Adjusted figures were estimated at the U.S. Bureau of the Census (1979), assuming the same percent net underenumeration as estimated for the remainder of Indonesia in 1961 and 1971, respectively.

## MAJOR SOURCES

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## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of October 30–November 19, 1976..... | 33,662,176 |
| 2. Adjusted population, census of October 30–November 19, 1976.....   | 34,703,000 |
| 3. Births per 1,000 population, 1973–76.....                          | 42         |
| 4. Deaths per 1,000 population, 1973–76.....                          | 12         |
| 5. Annual rate of growth, 1973–76 (percent).....                      | 3.0        |
| 6. Life expectancy at birth, 1973–76.....                             | 57         |
| 7. Infant deaths per 1,000 live births, 1973–76.....                  | 112        |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 37,430,000 |
| 9. Births per 1,000 population, 1978.....      | 41         |
| 10. Deaths per 1,000 population, 1978.....     | 11         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.8        |

## NOTES:

1. Preliminary census figure based on daily reports of enumerators (Statistical Centre of Iran, 1978b, table 1).
2. Preliminary census figure adjusted at the U.S. Bureau of the Census for a reported 3.0 percent net underenumeration based on preliminary results from the post enumeration survey (Eory, 1978, p. 3).
- 3–4. Adjusted rates as reported by the 1973–76 Population Growth Survey (Statistical Centre of Iran, 1978a, table 20). Adjusted births and deaths were derived through completeness checks, matching of control questionnaires to regular survey questionnaires for the same household, and an application of the Chandrasekaran–Deming technique.
5. Based on the difference between unrounded crude birth and death rates and an estimated net emigration rate of 0.5 per 1,000 population for Iranian nationals (Statistical Centre of Iran, 1978a, table 20).
6. Calculated from a 1973–76 life table derived at the U.S. Bureau of the Census from death rates, by age and sex, as reported by the 1973–76 Population Growth Survey (Statistical Centre of Iran, 1978a, tables 39–40 and pp. 91–97).
7. Official estimate derived from an analysis of data collected in the second and third survey years of the 1973–76 Population Growth Survey (Statistical Centre of Iran, 1978a, pp. 91–97).
8. See notes for Midyear Population Estimates.
9. Projected based on assumed trends in fertility since 1973–76 which take into consideration the annual trend as estimated by the 1973–76 Population Growth Survey (Statistical Centre of Iran, 1978a, table 20).
10. Projected based on assumed trends in mortality since 1973–76 which take into consideration the annual trend as estimated by the 1973–76 Population Growth Survey (Statistical Centre of Iran, 1978a, table 20), and estimated excess mortality due to the 1978 earthquake (*The Washington Post*, Sept. 19 and 20, 1978).
11. Projected based on the difference between unrounded crude birth and death rates and an estimated net emigration rate of 2 per 1,000 population. Net emigration is based on estimated departures of Iranian nationals and foreign-born persons (*The Washington Post*, Dec. 9 and 11, 1978).

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 16,357     | 1970                       | 28,906     | 1950-55 | 2.7                        |
| 1955 | 18,728     | 1971                       | 29,729     | 1955-60 | 2.8                        |
| 1960 | 21,573     | 1972                       | 30,573     | 1960-65 | 2.9                        |
| 1961 | 22,210     | 1973                       | 31,443     | 1965-70 | 2.9                        |
| 1962 | 22,870     | 1974                       | 32,360     | 1970-75 | 2.8                        |
| 1963 | 23,552     | 1975                       | 33,332     | 1975-79 | 2.9                        |
| 1964 | 24,262     | 1976                       | 34,329     |         |                            |
| 1965 | 24,997     | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1966 | 25,767     | 1977                       | 35,372     |         |                            |
| 1967 | 26,530     |                            |            |         |                            |
| 1968 | 27,307     | 1978                       | 36,447     |         |                            |
| 1969 | 28,098     | 1979                       | 37,430     |         |                            |

**NOTES:** 1950-76—Based on the 1956, 1966, and 1976 adjusted census populations, assumed trends in fertility and mortality, and estimated net migration. Estimated net migration is based on reported data on the foreign-born population in 1956, 1966, and 1976 (Statistical Centre of Iran, 1968, pp. 59 and 60; and 1978b, table 2), emigration to the Persian Gulf States (Bahrier, 1971) and the United States (U.S. Bureau of the Census, 1978, table 123), and emigration of Iranian nationals during the period 1973-76 (Statistical Centre of Iran, 1978a, table 44).

1977-79—Projected based on the 1976 adjusted census population, assumed trends in fertility and mortality since 1973-76, which take into consideration the annual trends in fertility and mortality as estimated by the 1973-76 Population Growth Survey (Statistical Centre of Iran, 1978a, table 20), estimated excess mortality due to the 1978 earthquake (*The Washington Post*, Sept. 19 and 20, 1978), and estimated net emigration based on departures of Iranian nationals and foreign-born populations (*The Washington Post*, Dec. 9 and 11, 1978).

The following censuses were used in deriving the population time series:

| Census date                      | Enumerated population | Adjusted population | Source   |
|----------------------------------|-----------------------|---------------------|--|
| November 1-15, 1956              | 18,954,704            | 19,441,189          | Enumerated populations for 1956, 1966, and 1976 as reported in Statistical Centre of Iran, 1968, p. 42; 1970, table 1; and 1978b, table 1, respectively. |
| November 1-20, 1966              | 25,788,722            | 26,047,000          |  |
| October 30-<br>November 19, 1976 | 33,662,176            | 34,703,000          |  |

The 1956 census was adjusted by Maroufi-Bozorgi (1967), for 2.5 percent net underenumeration; the 1966 census was adjusted by the Statistical Centre of Iran (1971), for 1.0 percent net underenumeration; and the 1976 census was adjusted by the U.S. Bureau of the Census for 3.0 percent net underenumeration based on the results of the post enumeration survey.

## MAJOR SOURCES

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**BENCHMARK DATA**

|    |  |            |
|----|--|------------|
| 1. | Enumerated population, census of October 17, 1977..... | 12,171,480 |
| 2. | Adjusted population, census of October 17, 1977.....   | NA         |
| 3. | Births per 1,000 population.....                       | NA         |
| 4. | Deaths per 1,000 population.....                       | NA         |
| 5. | Annual rate of growth, 1965-77 (percent).....          | 3.4        |
| 6. | Life expectancy at birth.....                          | NA         |
| 7. | Infant deaths per 1,000 live births.....               | NA         |

**PROJECTED ESTIMATES**

|     |  |            |
|-----|--|------------|
| 8.  | Population, July 1, 1979.....              | 12,908,000 |
| 9.  | Births per 1,000 population, 1978.....     | 46-48      |
| 10. | Deaths per 1,000 population, 1978.....     | 12-14      |
| 11. | Annual rate of growth, 1978 (percent)..... | 3.3-3.4    |

**NOTES:**

- Provisional census figure as reported in *PVSR October 1979*.
- The 1977 census has not been evaluated for possible coverage error.
- 3-4. Data not available. Registration of vital rates is incomplete. On the basis of the first year (1973-74) and the combined first and second year (1973-75) results of the Iraq multi-round vital events survey, the Central Statistical Organization (no date a, table 2/14; and no date b, table 2/10) reported crude birth rates of 43.6 per 1,000 population and 42.6 per 1,000 population and crude death rates of 11.1 per 1,000 population and 10.6 per 1,000 population.
- Intercensal growth rate based on 1965 and 1977 censuses.
- 6-7. Data not available. On the basis of the first year (1973-74) and the combined first and second year (1973-75) results of the Iraq multi-round vital events survey, the Central Statistical Organization (no date a, table 2/14; and no date b, table 2/10) reported 91.8 and 88.7 deaths per 1,000 live births, respectively. There is no evidence that these results have been adjusted for underregistration of infant deaths.
- See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on vital rates from the first year and from the combined first and second year results of the Iraq multi-round vital events survey (see note 3-4), adjusted at the U.S. Bureau of the Census assuming the same levels of underreporting as was found in the first year and combined first and second years of the Iran multi-round population growth survey (Iran, 1976, p. 21; and 1977, p. 21).
11. Range of variation given selected combinations of unrounded crude birth and death rates (45.7 and 12.2 per 1,000 population, and 48.0 and 13.7 per 1,000 population, respectively).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 5,163      | 1970                       | 9,466      | 1950-55 | 2.7                        |
| 1955 | 5,903      | 1971                       | 9,798      | 1955-60 | 2.9                        |
| 1960 | 6,822      | 1972                       | 10,141     | 1960-65 | 3.1                        |
| 1961 | 7,026      | 1973                       | 10,497     | 1965-70 | 3.4                        |
| 1962 | 7,240      | 1974                       | 10,865     | 1970-75 | 3.4                        |
| 1963 | 7,468      | 1975                       | 11,246     | 1975-79 | 3.4                        |
| 1964 | 7,711      | 1976                       | 11,640     |         |                            |
| 1965 | 7,970      | 1977                       | 12,048     |         |                            |
| 1966 | 8,247      |                            |            |         |                            |
| 1967 | 8,536      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 8,836      | 1978                       | 12,470     |         |                            |
| 1969 | 9,145      | 1979                       | 12,908     |         |                            |

**NOTES:** 1950-77—Based on the 1947, 1957, 1965, and 1977 censuses, and assumed trends in fertility and mortality during the intercensal periods.

1978-79—Projected assuming a continuation of the 1965-77 intercensal growth rate.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| October 19, 1947 | 4,816,185             |                     | Enumerated populations for 1947, 1957, and 1965 as reported in Central Statistical Organization, no date a, table 2/11. Enumerated population for 1977 as reported in <i>PVSR October 1979</i> . |
| October 12, 1957 | 6,298,976             |                     |  |
| October 14, 1965 | 8,047,415             |                     |  |
| October 17, 1977 | 12,171,480            |                     |  |

#### MAJOR SOURCES

Iran. Statistical Centre of Iran. 1976. *Population Growth of Iran*. Tehran.

\_\_\_\_\_. 1977. *Population Growth of Iran*. Tehran.

Iraq. Central Statistical Organization. no date a. *Annual Abstract of Statistics 1975*. Baghdad.

\_\_\_\_\_. no date b. *Annual Abstract of Statistics 1976*. Baghdad.

**BENCHMARK DATA**

|   |           |
|---|-----------|
| 1. Enumerated population, census of May 20, 1972..... | 3,147,683 |
| 2. Adjusted population, census of May 20, 1972.....   | 3,158,090 |
| 3. Births per 1,000 population, 1978.....             | 25        |
| 4. Deaths per 1,000 population, 1978.....             | 7         |
| 5. Annual rate of growth, 1978 (percent).....         | 2.3       |
| 6. Life expectancy at birth, 1977.....                | 74        |
| 7. Infant deaths per 1,000 live births, 1978.....     | 17        |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 3,783,000 |
| 9. Births per 1,000 population, 1978.....      | 25        |
| 10. Deaths per 1,000 population, 1978.....     | 7         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3       |

**NOTES:**

1. Final census figure as reported in Central Bureau of Statistics, 1975, table 1. Population is de jure.
2. Adjusted by Central Bureau of Statistics, 1978a, table A. Only the number of persons under 10 years of age was adjusted. Overall, the adjusted population implies a 0.3 percent net underenumeration.
- 3-4. Registered rates as reported in Central Bureau of Statistics, 1979, table C/1.
5. Calculated from official estimates of the December 31 population for 1977 and 1978. A net immigration rate of 5 per 1,000 population for 1978 is implied by the crude birth and death rates, and annual rate of growth (Central Bureau of Statistics, 1979, table B/1).
6. Calculated from reported life expectancies at birth for males and females and a sex ratio of birth in 1977 of 1.06 (Central Bureau of Statistics, 1978b, tables iii/19 and iii/34).
7. Rate calculated from births and infant deaths as reported in Central Bureau of Statistics, 1979, table C/1.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 1,267      | 1970 | 2,974      | 1950-55 | 6.5                        |
| 1955 | 1,750      | 1971 | 3,069      | 1955-60 | 3.8                        |
| 1960 | 2,117      | 1972 | 3,173      | 1960-65 | 3.8                        |
| 1961 | 2,190      | 1973 | 3,278      | 1965-70 | 3.0                        |
| 1962 | 2,288      | 1974 | 3,377      | 1970-75 | 3.0                        |
| 1963 | 2,380      | 1975 | 3,455      | 1975-79 | 2.3                        |
| 1964 | 2,478      | 1976 | 3,533      |         |                            |
| 1965 | 2,563      | 1977 | 3,613      |         |                            |
| 1966 | 2,629      | 1978 | 3,693      |         |                            |
| 1967 | 2,715      | 1979 | 3,783      |         |                            |
| 1968 | 2,806      |      |            |         |                            |
| 1969 | 2,884      |      |            |         |                            |

**NOTES:** 1950-78—Official estimates of the "average" population as reported by the Central Bureau of Statistics (1978, table ii/1; and 1979, table B/1). Estimates are based on the 1948 de facto registration and the 1961 and 1972 de jure censuses. Estimates are de facto for 1950-60 and de jure for 1961-78. As of 1967, the population includes East Jerusalem.

1979—Provisional official estimate of the June 30 population as reported by the Central Bureau of Statistics (1979, table B/1).

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source  |
|------------------|-----------------------|---------------------|---|
| November 8, 1948 | 872,678               |                     | Enumerated populations for 1948 and 1961 as reported in <i>UNDY 1970</i> , table 7. The 1948 figure includes an estimate of 156,000 for the non-Jewish population. For 1972, enumerated and adjusted populations are from Central Bureau of Statistics, 1975, table 1; and 1978a, tables B and C, respectively. |
| May 22, 1961     | 2,179,491             |                     |   |
| May 20, 1972     | 3,147,683             | 3,158,090           |   |

#### MAJOR SOURCES

Central Bureau of Statistics. 1975. *Census of Population and Housing 1972, Demographic Characteristics of the Population*. Part 1. Jerusalem.

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**BENCHMARK DATA**

|  |             |
|--|-------------|
| 1. Enumerated population, census of October 1, 1975..... | 111,939,643 |
| 2. Adjusted population, census of October 1, 1975.....   | NA          |
| 3. Births per 1,000 population, 1978.....                | 15          |
| 4. Deaths per 1,000 population, 1978.....                | 6           |
| 5. Annual rate of growth, 1978 (percent).....            | 0.9         |
| 6. Life expectancy at birth, 1977.....                   | 76          |
| 7. Infant deaths per 1,000 live births, 1977.....        | 9           |

**PROJECTED ESTIMATES**

|  |             |
|--|-------------|
| 8. Population, July 1, 1979.....               | 115,880,000 |
| 9. Births per 1,000 population, 1978.....      | 15          |
| 10. Deaths per 1,000 population, 1978.....     | 6           |
| 11. Annual rate of growth, 1978 (percent)..... | 0.9         |

**NOTES:**

1. Final census figure as reported in Statistics Bureau, 1979a, table 9.
2. The 1975 census has not been evaluated for possible coverage error.
- 3-4. Calculated from registered vital data and midyear population estimate for 1978 as reported in Statistics Bureau, 1979b, p. 4.
5. Calculated from official January 1 estimates for 1978 and 1979 as reported in Statistics Bureau, 1979b, p. 4.
6. Calculated from life expectancy by sex as reported in Statistics Bureau, 1979a, table 25.
7. Reported rate from Statistics Bureau, 1979a, table 24.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 83,805     | 1969 | 103,172    | 1950-55 | 1.4                        |
| 1955 | 89,815     | 1970 | 104,345    | 1955-60 | 0.9                        |
| 1960 | 94,092     | 1971 | 105,697    | 1960-65 | 1.0                        |
| 1961 | 94,943     | 1972 | 107,188    | 1965-70 | 1.1                        |
| 1962 | 95,832     | 1973 | 108,707    | 1970-75 | 1.3                        |
| 1963 | 96,812     | 1974 | 110,162    | 1975-79 | 0.9                        |
| 1964 | 97,826     | 1975 | 111,573    |         |                            |
| 1965 | 98,883     | 1976 | 112,771    |         |                            |
| 1966 | 99,790     | 1977 | 113,863    |         |                            |
| 1967 | 100,825    | 1978 | 114,898    |         |                            |
| 1968 | 101,961    | 1979 | 115,880    |         |                            |

**NOTES:** 1950-65—Estimates prepared by FDAD based on official estimates for 1950 as reported in *UNDY 1970*, table 4; and for 1951-65 as reported in Bureau of Statistics, 1967, tables 1-3. The reported figures were adjusted by adding estimates for the Ryukyu Islands (which became part of Japan in 1972) as reported in *UNDY 1966*, table 4; and in U.N., 1971, table 1. The estimate for 1950 also includes an adjustment for the addition of the Amami Islands and the Tokara Archipelago which were added to Japan in 1953 and 1951, respectively.

1966-70—Reported in U.N., 1979, table 1.C; and in *UNDY 1977*, table 3.

1971-79—Reported in Bureau of Statistics, 1978a, table 2; 1978b, p. 4; Statistics Bureau, 1979b, p. 4; and 1979c, p. 4. The 1979 estimate is provisional.

The following censuses were used in deriving the population time series:

| Census date     | Enumerated population | Adjusted population | Source   |
|-----------------|-----------------------|---------------------|--|
| October 1, 1950 | 84,114,574            |                     | Final census figures as reported in Statistics Bureau, 1979a, table 9. Figures for all years include the population of Okinawa, the Amami Islands, and the Tokara Archipelago. |
| October 1, 1955 | 90,076,594            |                     |  |
| October 1, 1960 | 94,301,623            |                     |  |
| October 1, 1965 | 99,209,137            |                     |  |
| October 1, 1970 | 104,665,171           |                     |  |
| October 1, 1975 | 111,939,643           |                     |  |

## MAJOR SOURCES

- Bureau of Statistics. 1967. *Monthly Report on Current Population Estimates (Special Report on Revised Figures), Monthly Estimates of All Japan Population November 1950 to September 1965*, Oct. Tokyo.
- \_\_\_\_\_. 1972. *Monthly Report on Current Population Estimates (Special Report on Revised Figures November 1965 to September 1970)*, Oct. Tokyo.
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## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of November 18, 1961..... | NA        |
| 2. Adjusted population, census of November 18, 1961.....   | 1,711,000 |
| 3. Births per 1,000 population, 1961.....                  | 50        |
| 4. Deaths per 1,000 population, 1961.....                  | 22        |
| 5. Annual rate of growth, 1952-61 (percent).....           | 2.3       |
| 6. Life expectancy at birth, 1961.....                     | 43        |
| 7. Infant deaths per 1,000 live births, 1961.....          | 160       |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 3,189,000 |
| 9. Births per 1,000 population, 1978.....      | 49        |
| 10. Deaths per 1,000 population, 1978.....     | 11        |
| 11. Annual rate of growth, 1978 (percent)..... | 3.8-3.9   |

## NOTES:

1. Data not available.
2. The reported census figure (1,706,226) reflects an official adjustment for 4 percent net underenumeration (*PVSR October 1979*). An additional 0.3 percent net underenumeration recommended in Department of Statistics (1966, table 5, p. 7) was incorporated into the adjustment. The preliminary total population of the East Bank from the Nov. 10, 1979 census is 2,152,273 (Ministry of Commerce and Industry, 1980).
3. Estimated at the U.S. Bureau of the Census based on an application of the Brass fertility technique (average of all seven P/F ratios, as suggested by Abu Jaber, et al., 1980) to children-ever-born data from the 1961 census, 1961-66 registered births, and adjusted population by age and sex. Abu Jaber, et al. (1980) estimate a crude birth rate of 48 per 1,000 population for the East Bank based on results from the 1972 National Fertility Sample Survey and the 1976 Jordan Fertility Survey.
4. Based on life table central death rates estimated at the U.S. Bureau of the Census (see note 6-7) applied to the adjusted population, by age and sex.
5. Intercensal growth rate based on the 1952 and 1961 censuses.
- 6-7. Estimated at the U.S. Bureau of the Census based on an estimated infant mortality rate, derived by applying the Brass mortality technique to data from the 1961 census, and the corresponding Coale-Demeny west region model life table. Using the same procedure with data for the East Bank from the 1976 Jordan Fertility Survey gives an infant mortality rate of 88 per 1,000 live births and a life expectancy at birth of 56 years and 61 years for the Coale-Demeny west and south regions, respectively.
8. See notes for Midyear Population Estimates.
- 9-10. Projected based on assumed trends in fertility and mortality since 1961, which take into consideration results, for the East Bank, from the 1972 National Fertility Sample Survey and the 1976 Jordan Fertility Survey.
11. Range of variation given selected combinations of unrounded crude birth and death rates (48.8 and 10.8 per 1,000 population and 49.4 and 10.9 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 1,335      | 1968 | 2,106      | 1950-55 | 1.9                        |
| 1955                       | 1,469      | 1969 | 2,181      | 1955-60 | 2.3                        |
| 1960                       | 1,648      | 1970 | 2,262      | 1960-65 | 2.9                        |
| 1961                       | 1,691      | 1971 | 2,347      | 1965-70 | 3.4                        |
| <b>PROJECTED ESTIMATES</b> |            | 1972 | 2,438      | 1970-75 | 3.8                        |
| 1962                       | 1,740      | 1973 | 2,533      | 1975-79 | 3.8                        |
| 1963                       | 1,791      | 1974 | 2,633      |         |                            |
| 1964                       | 1,846      | 1975 | 2,736      |         |                            |
| 1965                       | 1,905      | 1976 | 2,843      |         |                            |
| 1966                       | 1,968      | 1977 | 2,955      |         |                            |
| 1967                       | 2,034      | 1978 | 3,070      |         |                            |
|                            |            | 1979 | 3,189      |         |                            |

**NOTES:** 1950-61—Based on the 1952 and 1961 adjusted censuses and assumed trends in fertility, mortality, and migration during the period.

1962-79—Projected by the component method based on the adjusted 1961 census population and assumed trends in fertility, mortality, and migration.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| September 8, 1952 | 1,329,174             | 1,389,000           | Enumerated populations as reported in <i>UNDY 1962</i> , table 7. The 1952 enumerated population was adjusted at the U.S. Bureau of the Census for the same percent net underenumeration as for 1961. The adjusted population for 1961 reflects an official adjustment of 4 percent net underenumeration and an additional 0.3 percent net underenumeration estimated by the Department of Statistics (1966). |
| November 18, 1961 |                       | 1,711,000           |   |

**MAJOR SOURCES**

Abu Jaber, Kamel (ed.), Shuja' El-Asad, Suleiman Abdul Aty, Fawzi Sahawneh and Abdul Moneim Abu Nuwar. 1980. "Levels and Trends of Fertility and Mortality in Jordan." *Levels and Trends of Fertility and Mortality in Selected Arab Countries of West Asia*. Symposium sponsored by the University of Jordan, the Department of Statistics, Jordan, and the National Academy of Sciences, United States of America. Amman.

Department of Statistics. 1966. *Analysis of the Population Statistics of Jordan*, vol. 1. Amman.

Ma'ayta, Abdul Rahim A. 1975. "A Study of Mortality in Jordan with Special Reference to Infant Mortality." Unpublished paper prepared for the Seminar on Mortality Trends and Differentials in Some Arab and African Countries, 17-23 Dec., doc. CDC/575/7.

Ministry of Commerce and Industry. 1980. Statement of the Ministry of Commerce and Industry on the Preliminary Results of the 1979 National Census.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of April 17, 1962..... | 5,728,771 |
| 2. Adjusted population, census of April 17, 1962.....   | NA        |
| 3. Births per 1,000 population, 1961-62.....            | 47        |
| 4. Deaths per 1,000 population.....                     | NA        |
| 5. Annual rate of growth.....                           | NA        |
| 6. Life expectancy at birth.....                        | NA        |
| 7. Infant deaths per 1,000 live births.....             | NA        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 5,767,000 |
| 9. Births per 1,000 population, 1978.....      | NA        |
| 10. Deaths per 1,000 population, 1978.....     | NA        |
| 11. Annual rate of growth, 1978 (percent)..... | NA        |

## NOTES:

- Final census figure as reported in *PSVR October 1979*.
- The 1962 census has not been evaluated for possible coverage error.
- Estimated by Siampos (1970, p. 336) based on census data on children ever born and births during the 12 months preceding the 1962 census. An official estimated rate of 50 per 1,000 population is reported for 1977-78 (FBIS, 1978).
- Data not available. Siampos (1970, p. 344) estimated a crude death rate of 16 per 1,000 population around the time of the census, based on a quasi-stable population analysis. The U.N. (1979, table 2-B) estimated a crude death rate for 1960-65 of 21 per 1,000 population.
- Data not available.
- 6-7. Data not available. Based on 1962 census data on children ever born and children surviving, Siampos (1970, p. 341) estimated a life expectancy at birth of 54 years and an infant mortality rate of 120 per 1,000 live births. The U.N. estimate of life expectancy at birth for 1960-65 is 45 years (U.N., 1979, table 3-B).
- See notes for Midyear Population Estimates.
- 9-11. Data not available. The crude birth, death, and growth rates for 1978 as interpolated from U.N. medium variant projection series for 1975-80 and 1980-85 are 33, 15, and 1.8, respectively (U.N., 1979, tables 2-A and 1-A). The Pol Pot regime reported that there were nearly 800,000 deaths between 1970 and 1975 due to the war (FBIS, 1976). Based primarily on refugee accounts, various articles in *The New York Times* and *The Washington Post* show estimates of the number of deaths since the change of government in 1975 ranging from the tens of thousands to over 2 million. Given the extremes of the above mortality figures, as well as the refugee movements during the period, it is probable that the growth rate since the mid 1970's has been negative.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| <b>PROJECTED ESTIMATES</b> |            | 1968 | 6,677      | 1950-55 | 2.4                        |
|                            |            | 1969 | 6,866      | 1955-60 | 2.6                        |
| 1950                       | 4,163      | 1970 | 7,060      | 1960-65 | 2.7                        |
| 1955                       | 4,702      | 1971 | 7,133      | 1965-70 | 2.8                        |
| 1960                       | 5,364      | 1972 | 7,201      | 1970-75 | -1.0                       |
| 1961                       | 5,511      | 1973 | 7,270      | 1975-79 | -3.8                       |
| 1962                       | 5,663      | 1974 | 7,334      |         |                            |
| 1963                       | 5,818      | 1975 | 6,726      |         |                            |
| 1964                       | 5,978      | 1976 | 6,191      |         |                            |
| 1965                       | 6,142      | 1977 | 6,012      |         |                            |
| 1966                       | 6,315      | 1978 | 5,899      |         |                            |
| 1967                       | 6,494      | 1979 | 5,767      |         |                            |

**NOTES:** 1950-70—Projected based on estimated midyear populations for each fifth year, 1950 to 1970 (U.N., unpublished computer printout), and the growth rates implied by these estimates.

1971-79—Projected based on the estimated 1970 midyear population, taking into account various estimates of war deaths, refugee movements, and reports by international relief personnel on the nutritional and health status of the population (U.S. Central Intelligence Agency, 1980).

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Foreign Broadcast Information Service (FBIS). 1976. *Asia and Pacific—Daily Report*, vol. IV, no. 63.

\_\_\_\_\_. 1978. *Asia and Pacific—Daily Report*, vol. IV, no. 191.

Ponchaud, Francois. 1977. *Cambodge Année Zéro*. Paris.

Siampos, George S. 1970. "The Population of Cambodia 1945-1980." *Milbank Memorial Fund Quarterly*, vol. XLVIII, no. 3. New York.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

U.S. Central Intelligence Agency. 1980. *Kampuchea: A Demographic Catastrophe*. GC80-10019U. Washington, D.C.

## BENCHMARK DATA

|   |    |
|---|----|
| 1. Enumerated population.....               | NA |
| 2. Adjusted population.....                 | NA |
| 3. Births per 1,000 population.....         | NA |
| 4. Deaths per 1,000 population.....         | NA |
| 5. Annual rate of growth.....               | NA |
| 6. Life expectancy at birth.....            | NA |
| 7. Infant deaths per 1,000 live births..... | NA |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 18,717,000 |
| 9. Births per 1,000 population, 1978.....      | 43         |
| 10. Deaths per 1,000 population, 1978.....     | 11         |
| 11. Annual rate of growth, 1978 (percent)..... | 3.2        |

## NOTES:

- 1-7. Data not available.
- 8-11. Reported and estimated data provided by FDAD. For further information on sources and methods used in estimation, write the Chief, Foreign Demographic Analysis Division, Bureau of the Census, Washington, D.C. 20230.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 9,196      | 1968 | 13,369     | 1950-55 | -0.5                       |
| 1955                       | 8,990      | 1969 | 13,770     | 1955-60 | 3.3                        |
| 1960                       | 10,605     | 1970 | 14,185     | 1960-65 | 2.8                        |
| 1961                       | 10,930     | 1971 | 14,615     | 1965-70 | 3.0                        |
| 1962                       | 11,214     | 1972 | 15,060     | 1970-75 | 3.0                        |
| 1963                       | 11,497     | 1973 | 15,524     | 1975-79 | 3.1                        |
| 1964                       | 11,816     | 1974 | 16,005     |         |                            |
| 1965                       | 12,200     | 1975 | 16,507     |         |                            |
| 1966                       | 12,596     | 1976 | 17,028     |         |                            |
|                            |            | 1977 | 17,571     |         |                            |
| <b>PROJECTED ESTIMATES</b> |            |      |            |         |                            |
|                            |            | 1978 | 18,134     |         |                            |
| 1967                       | 12,978     | 1979 | 18,717     |         |                            |

**NOTES:** 1950-70—Reported and estimated data provided by FDAD. For further information on sources and methods used in estimation, write the Chief, Foreign Demographic Analysis Division, Bureau of the Census, Washington, D.C. 20230.

**MAJOR SOURCES**

All sources are shown in the country notes.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of October 1, 1975..... | 34,708,542 |
| 2. Adjusted population, census of October 1, 1975.....   | 36,821,000 |
| 3. Births per 1,000 population, 1975.....                | 23         |
| 4. Deaths per 1,000 population, 1970.....                | 7          |
| 5. Annual rate of growth, 1970 (percent).....            | 2.4        |
| 6. Life expectancy at birth, 1970.....                   | 64         |
| 7. Infant deaths per 1,000 live births, 1970.....        | 47         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 39,140,000 |
| 9. Births per 1,000 population, 1978.....      | 22-24      |
| 10. Deaths per 1,000 population, 1978.....     | 6          |
| 11. Annual rate of growth, 1978 (percent)..... | 1.5-1.7    |

## NOTES:

1. Preliminary census figure (Economic Planning Board, 1976b, table 1).
2. Census population adjusted at the U.S. Bureau of the Census for 5.7 percent net under-enumeration based on the adjusted 1970 census population (U.S. Bureau of the Census, 1978), and estimated fertility, mortality, and migration for the 1970 to 1975 intercensal period.
3. Based on 1975 age-specific fertility rates from the 1976 National Family Planning Evaluation Survey (Korean Institute for Family Planning, 1978, table 16) and estimated 1975 midyear population, by age and sex.
4. Based on life table central death rates and estimated 1970 midyear population, by age and sex (U.S. Bureau of the Census, 1978).
5. Difference between 1970 unrounded crude birth and death rates and net emigration rate of 31.5, 6.9, and 0.2 per 1,000 population, respectively (U.S. Bureau of the Census, 1978).
- 6-7. Calculated from empirical life tables derived at the U.S. Bureau of the Census (1978).
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trend of fertility since 1975.
10. Projected based on assumed trend of mortality since 1970.
11. Projected range of variation given selected combinations of unrounded crude birth and death rates and net emigration rate (22.5, 5.9, and 1.1 per 1,000 population and 24.0, 5.9, and 1.1 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 21,147     | 1970                       | 32,976     | 1950-55 | 0.7                        |
| 1955 | 21,863     | 1971                       | 33,793     | 1955-60 | 2.8                        |
| 1960 | 25,142     | 1972                       | 34,600     | 1960-65 | 2.9                        |
| 1961 | 25,984     | 1973                       | 35,336     | 1965-70 | 2.5                        |
| 1962 | 26,802     | 1974                       | 36,027     | 1970-75 | 2.1                        |
| 1963 | 27,605     | 1975                       | 36,669     | 1975-79 | 1.6                        |
| 1964 | 28,388     | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 29,130     | 1976                       | 37,276     |         |                            |
| 1966 | 29,863     | 1977                       | 37,893     |         |                            |
| 1967 | 30,614     |                            |            |         |                            |
| 1968 | 31,389     | 1978                       | 38,515     |         |                            |
| 1969 | 32,176     | 1979                       | 39,140     |         |                            |

**NOTES:** 1950-75—Based on the inflated 1949 and 1955 censuses, the adjusted 1960, 1966, 1970, and 1975 censuses, and estimated fertility, mortality, and migration trends.

1976-79—Projected by the component method based on the adjusted 1975 midyear population and assumed trends in fertility, mortality, and net emigration.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| May 1, 1949       | 20,188,641            | 20,594,000          | Enumerated populations as reported in <i>UNDY 1962</i> , table 7; Economic Planning Board, 1974, table 11; 1969, tables 2 and 7; 1973, tables 2 and 7; and 1976b, table 1.   |
| September 1, 1955 | 21,526,374            | 21,959,000          |  |
| December 1, 1960  | 24,989,241            | 25,492,000          |  |
| October 1, 1966   | 29,192,762            | 30,052,000          |  |
| October 1, 1970   | 31,465,654            | 33,178,000          |  |
| October 1, 1975   | 34,708,542            | 36,821,000          |  |
|                   |                       |                     | The 1949 and 1955 censuses were inflated for the same percent net underenumeration (2.0) as estimated for 1960. The 1960, 1966, and 1970 censuses were adjusted at the U.S. Bureau of the Census (1978) for 2.0, 2.9, and 5.2 percent net underenumeration, respectively, based on the 1970 post enumeration survey and estimated fertility and mortality trends for the period 1960 to 1970. The 1975 census was adjusted at the U.S. Bureau of the Census for 5.7 percent net underenumeration based on the adjusted 1970 census and estimated fertility, mortality, and migration trends for the period 1970 to 1975. |

## MAJOR SOURCES

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- \_\_\_\_\_. 1973. *1970 Population and Housing Census Report, vol. 1, Complete Enumeration, 12-1, Republic of Korea*. Seoul.
- \_\_\_\_\_. 1974. *Korea Statistical Yearbook—1974*. Seoul.
- \_\_\_\_\_. 1976a. *Advance Report of 1975 Population and Housing Census (Based on Five Percent Sample Survey)*. [Seoul.]
- \_\_\_\_\_. 1976b. *Preliminary Count of Population and Housing Census, as of October 1, 1975*. [Seoul.]
- Korean Institute for Family Planning. 1976. *The Increasing Utilization of Induced Abortion in Korea*, by Sung-Bong Hong and Walter B. Watson. Seoul.
- \_\_\_\_\_. 1978. *Statistics on Population and Family Planning in Korea*. [Seoul.]
- U.S. Bureau of the Census. 1978. *Country Demographic Profiles—Republic of Korea*. Washington, D.C.

**BENCHMARK DATA**

|   |         |
|---|---------|
| 1. Enumerated population, census of April 21, 1975..... | 994,837 |
| 2. Adjusted population, census of April 21, 1975.....   | NA      |
| 3. Births per 1,000 population, 1977.....               | 41      |
| 4. Deaths per 1,000 population, 1977.....               | 5       |
| 5. Annual rate of growth, 1970-75 (percent).....        | 5.9     |
| 6. Life expectancy at birth, 1970-75.....               | 68      |
| 7. Infant deaths per 1,000 live births, 1977.....       | 39      |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979 .....              | 1,277,000 |
| 9. Births per 1,000 population, 1978 .....     | 41        |
| 10. Deaths per 1,000 population, 1978 .....    | 5         |
| 11. Annual rate of growth, 1978 (percent)..... | 5.9       |

**NOTES:**

1. Final census figure as reported in Central Statistical Office, 1977, p. 16.
2. The 1975 census has not been evaluated for possible coverage error.
- 3-4. Based on registered births and deaths as reported in *PVSR October 1979*, and estimated midyear population.
5. Intercensal growth rate based on 1970 and 1975 census populations. Significant immigration is implied.
6. Derived from a life table for both sexes estimated at the U.S. Bureau of the Census based on registered deaths by broad age groups (Central Statistical Office, 1977, p. 51), which takes into consideration an estimate of infant mortality based on an application of the Trussell mortality technique to data from the 1975 census.
7. Registered rate as reported in *PVSR October 1979*.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming a continuation of the 1970-75 intercensal growth rate.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 145        | 1970                       | 748        | 1950-55 | 5.1                        |
| 1955 | 187        | 1971                       | 793        | 1955-60 | 9.0                        |
| 1960 | 292        | 1972                       | 842        | 1960-65 | 9.8                        |
| 1961 | 325        | 1973                       | 894        | 1965-70 | 9.0                        |
| 1962 | 358        | 1974                       | 948        | 1970-75 | 5.9                        |
| 1963 | 394        | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 5.9                        |
| 1964 | 433        | 1975                       | 1,006      |         |                            |
| 1965 | 476        | 1976                       | 1,068      |         |                            |
| 1966 | 523        | 1977                       | 1,133      |         |                            |
| 1967 | 575        |                            |            |         |                            |
| 1968 | 632        | 1978                       | 1,203      |         |                            |
| 1969 | 690        | 1979                       | 1,277      |         |                            |

**NOTES:** 1950-74—Based on the unadjusted 1957, 1961, 1965, 1970, and 1975 censuses, an estimate for the 1952 population by Dickson (Clarke and Fisher, 1972, p. 244), and assumed trends in growth rates based on the respective intercensal rates.

1975-79—Projected assuming a continuation of the 1970-75 intercensal growth rate.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| February 28, 1957 | 206,473               |                     | Enumerated populations as reported in Central Statistical Office, 1977, p. 16. |
| May 20, 1961      | 321,621               |                     |  |
| April 20-21, 1965 | 467,339               |                     |  |
| April 19-20, 1970 | 738,662               |                     |  |
| April 21, 1975    | 994,837               |                     |  |

#### MAJOR SOURCES

Central Statistical Office. 1977. *Annual Statistical Abstract, 1977*, edition XIV.

Clarke, J. I. and W. B. Fisher, eds. 1972. *Populations of the Middle East and North Africa. Africana*. New York.

## BENCHMARK DATA

|   |    |
|---|----|
| 1. Enumerated population.....               | NA |
| 2. Adjusted population.....                 | NA |
| 3. Births per 1,000 population.....         | NA |
| 4. Deaths per 1,000 population.....         | NA |
| 5. Annual rate of growth.....               | NA |
| 6. Life expectancy at birth.....            | NA |
| 7. Infant deaths per 1,000 live births..... | NA |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 3,440,000 |
| 9. Births per 1,000 population, 1978.....      | 43-44     |
| 10. Deaths per 1,000 population, 1978.....     | 20-21     |
| 11. Annual rate of growth, 1978 (percent)..... | 0.8-1.0   |

## NOTES:

- 1-2. There has been no complete census of Laos. The population was estimated at 2,200,000 in 1958 based on an administrative population count as reported by Cavanaugh, Abernathy, and Proctor, no date, p. 6.
- 3-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Derived by interpolation of 1975-80 and 1980-85 projected rates from U.N. high, medium, and low variant projections (U.N., 1979, tables 2-A, 7, and 9).
11. Range of variation given selected combinations of unrounded crude birth and death rates and an estimated net emigration rate (42.7, 20.7, and 14.2 per 1,000 population and 44.1, 20.1, and 14.2 per 1,000 population, respectively). Net emigration was estimated based on the number of refugees in Thailand as of June 30, 1979 and the number of refugees reportedly resettled as of May 31, 1979 (FBIS, 1979a, p. J5; and 1979b, p. J2).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| <b>PROJECTED ESTIMATES</b> |            | 1968 | 2,834      | 1950-55 | 1.9                        |
| 1950                       | 1,949      | 1969 | 2,898      | 1955-60 | 2.1                        |
| 1955                       | 2,146      | 1970 | 2,962      | 1960-65 | 2.1                        |
| 1960                       | 2,382      | 1971 | 3,027      | 1965-70 | 2.2                        |
| 1961                       | 2,434      | 1972 | 3,092      | 1970-75 | 2.2                        |
| 1962                       | 2,486      | 1973 | 3,159      | 1975-79 | 1.0                        |
| 1963                       | 2,539      | 1974 | 3,229      |         |                            |
| 1964                       | 2,595      | 1975 | 3,303      |         |                            |
| 1965                       | 2,652      | 1976 | 3,333      |         |                            |
|                            |            | 1977 | 3,365      |         |                            |
| 1966                       | 2,711      | 1978 | 3,401      |         |                            |
| 1967                       | 2,772      | 1979 | 3,440      |         |                            |

**NOTES:** 1950-79—Based on U.N. (1979, tables 1-A and 1-B) population estimates and projections and estimated net emigration from 1975 to 1979. Net emigration was estimated based on the number of refugees in Thailand as of June 30, 1979 and the number of refugees reportedly resettled as of May 31, 1979 (FBIS, 1979a, p. J5; and 1979b, p. J2).

#### MAJOR SOURCES

Cavanaugh, Joseph A., James R. Abernathy, and Charles H. Proctor. no date. "Acquisition of Reliable Population Data--Kingdom of Laos." Report on Background and Recommendations by Consultation Team (Contract AID/ea-124, 125, 126).

Foreign Broadcast Information Service (FBIS). 1979a. *Asia and Pacific Daily Report*, vol. IV, no. 137.

\_\_\_\_\_. 1979b. *Asia and Pacific Daily Report*, vol. IV, no. 141.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, survey of November 15, 1970..... | 2,126,325 |
| 2. Adjusted population, survey of November 15, 1970.....   | 2,354,000 |
| 3. Births per 1,000 population.....                        | NA        |
| 4. Deaths per 1,000 population, 1970.....                  | 11        |
| 5. Annual rate of growth.....                              | NA        |
| 6. Life expectancy at birth, 1970.....                     | 61        |
| 7. Infant deaths per 1,000 live births.....                | NA        |

## PROJECTED ESTIMATES \*

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 2,943,000 |
| 9. Births per 1,000 population, 1978.....      | 34-37     |
| 10. Deaths per 1,000 population, 1978.....     | 11        |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3-2.6   |

## NOTES:

1. Final survey figure as reported in *PVSR October 1979*.
2. Survey population adjusted at the U.S. Bureau of the Census for net underestimation of 6 percent and to include Palestinians in refugee camps.
3. Data not available. Zurayk (1980) estimates a crude birth rate of 33.9 in 1976 for Nabatieh district of South Lebanon based on data from a 1976 survey in the area. Based on an application of the Brass fertility technique ( $P_2/F_2$  and  $P_3/F_3$  ratios) to data from a 1971 survey as reported by Chamie (1977, tables 2 and 3), a crude birth rate in the range of 34-37 can be estimated. Due to apparently extensive age misstatement in the survey, the reliability of the estimated crude birth rates is uncertain.
4. Based on life table age-specific central death rates estimated by Fargues and Courbage (1972, table 4) and the adjusted survey population by age.
5. Data not available.
6. From life table estimated by Fargues and Courbage (1972, table 4).
7. Data not available. By matching the estimated death rate for age group 1 to 4 years to the U.N. model life tables, Fargues and Courbage (1972, p. 16) estimated a rate of 65 infant deaths per 1,000 live births for 1970.
8. See notes for Midyear Population Estimates.
9. Assumed range based on Brass fertility technique estimate for 1971 and the 1976 estimate for Nabatieh district (see note 3).
10. Projected assuming no significant change in mortality since 1970.
11. Range of variation given possible combinations of crude birth and death rates.

\* Projected estimates do not take into consideration any demographic consequences of the civil war.

## LEBANON

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                         | Population | Period  | Average annual growth rate |
|------|------------|------------------------------|------------|---------|----------------------------|
| 1950 | 1,362      | 1970                         | 2,330      | 1950-55 | 2.6                        |
| 1955 | 1,550      |                              |            | 1955-60 | 2.6                        |
| 1960 | 1,767      | <b>PROJECTED ESTIMATES *</b> |            | 1960-65 | 2.7                        |
| 1961 | 1,815      | 1971                         | 2,394      | 1965-70 | 2.8                        |
| 1962 | 1,864      | 1972                         | 2,459      | 1970-75 | 2.6                        |
| 1963 | 1,916      | 1973                         | 2,524      | 1975-79 | 2.6                        |
| 1964 | 1,970      | 1974                         | 2,589      |         |                            |
| 1965 | 2,026      | 1975                         | 2,656      |         |                            |
| 1966 | 2,085      | 1976                         | 2,725      |         |                            |
| 1967 | 2,145      | 1977                         | 2,796      |         |                            |
| 1968 | 2,206      | 1978                         | 2,868      |         |                            |
| 1969 | 2,268      | 1979                         | 2,943      |         |                            |

**NOTES:** 1950-79—Based on the adjusted 1970 survey and assumed trends in fertility, mortality, and migration.

\* Projected estimates do not take into consideration any demographic consequences of the civil war.

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Chamie, Joseph. 1977. "Religious Differentials in Fertility: Lebanon 1971." *Population Studies*, vol. 31, no. 2. London.

Fargues, Phillippe and Youssef Courbage. 1972. *Some Methodological Elements Proper to Lebanese Data (1970) in Order to Obtain Basic Indices on Mortality*. United Nations Expert Group Meeting on Mortality. ESOB-WHO/EMR/MORT/WP.7. Beirut.

United Nations. Economic and Social Office in Beirut. 1972. "Survey of the Economically Active Population in Lebanon, 1970: Methodology and Results." *Population Bulletin*, no. 3. Beirut.

Zurayk, Huda. 1980. "Levels and Trends of Fertility and Mortality in South Lebanon." *Levels and Trends of Fertility and Mortality in Selected Arab Countries of West Asia*, ed. Kamel Abu Jaber. Symposium sponsored by the University of Jordan, the Department of Statistics, Jordan, and the National Academy of Sciences, United States of America. Amman.

## BENCHMARK DATA

|    |   |         |
|----|---|---------|
| 1. | Enumerated population, census of December 15, 1970..... | 248,636 |
| 2. | Adjusted population, census of December 15, 1970.....   | NA      |
| 3. | Births per 1,000 population.....                        | NA      |
| 4. | Deaths per 1,000 population.....                        | NA      |
| 5. | Annual rate of growth, 1975-78 (percent).....           | 2.2     |
| 6. | Life expectancy at birth.....                           | NA      |
| 7. | Infant deaths per 1,000 live births.....                | NA      |

## PROJECTED ESTIMATES

|     |  |         |
|-----|--|---------|
| 8.  | Population, July 1, 1979.....              | 282,000 |
| 9.  | Births per 1,000 population, 1978.....     | 27-29   |
| 10. | Deaths per 1,000 population, 1978.....     | 8       |
| 11. | Annual rate of growth, 1978 (percent)..... | 2.2     |

## NOTES:

1. Final census figure as reported in Repartição dos Serviços de Estatística, 1976, p. 17. Population is de jure and includes 1,994 residents absent at the time of the census.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Data not available.
5. Based on official population estimates for 1975 and 1978 (U.N., 1979b).
- 6-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Derived by interpolation of 1975-80 and 1980-85 projected rates for "Other East Asia" from U.N. high, medium, and low variant projections (U.N., 1979a, tables 2A, 7, and 9).
11. Projected assuming no significant change in the 1975-78 growth rate. Differences between the unrounded crude birth, death, and growth rates imply a net immigration rate of 0.6 to 3.4 per 1,000 population.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 188        | 1970                       | 245        | 1950-55 | -0.9                       |
| 1955 | 180        | 1971                       | 249        | 1955-60 | -1.3                       |
| 1960 | 169        | 1972                       | 251        | 1960-65 | 5.5                        |
| 1961 | 179        | 1973                       | 254        | 1965-70 | 1.9                        |
| 1962 | 196        | 1974                       | 256        | 1970-75 | 1.1                        |
| 1963 | 213        | 1975                       | 259        | 1975-79 | 2.2                        |
| 1964 | 218        | 1976                       | 264        |         |                            |
| 1965 | 223        | 1977                       | 270        |         |                            |
| 1966 | 231        | 1978                       | 276        |         |                            |
| 1967 | 236        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 239        | 1979                       | 282        |         |                            |
| 1969 | 242        |                            |            |         |                            |

**NOTES:** 1950-71—U.N. population estimates (U.N., 1979a, table 1A; and U.N., unpublished computer printout).

1972-78—Official population estimates for 1972 to 1975 and 1978 (U.N., 1979b). Estimates for 1976 and 1977 were derived using the implied 1975-78 growth rate.

1979—Projected assuming a continuation of the 1975-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| June 4, 1950      | 187,772               |                     | Enumerated populations for 1950 and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in <i>Repartição dos Serviços de Estatística</i> , 1976, p. 17. |
| December 15, 1960 | 169,299               |                     |  |
| December 15, 1970 | 248,636               |                     |  |

#### MAJOR SOURCES

Repartição dos Serviços de Estatística. 1976. *Anuário Estatístico 1975*. Macao.

United Nations. 1979a. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

\_\_\_\_\_. 1979b. Personal communication with the Statistical Office.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of August 25, 1970..... | 10,439,435 |
| 2. Adjusted population, census of August 25, 1970.....   | 10,953,000 |
| 3. Births per 1,000 population, 1976.....                | 33         |
| 4. Deaths per 1,000 population, 1976.....                | 8          |
| 5. Annual rate of growth, 1976 (percent).....            | 2.5        |
| 6. Life expectancy at birth, 1970.....                   | 60         |
| 7. Infant deaths per 1,000 live births.....              | NA         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 13,674,000 |
| 9. Births per 1,000 population, 1978.....      | 31-33      |
| 10. Deaths per 1,000 population, 1978.....     | 8          |
| 11. Annual rate of growth, 1978 (percent)..... | 2.4-2.5    |

## NOTES:

- Final census figure (Department of Statistics, 1975, tables 4.4 and 5.1; 1976a, tables 2.3 and 3.1; 1976b, table 4.1). This figure includes 120,111 persons (primarily persons afloat, institutional population, and population living in special curfew areas) who are often excluded from census tabulations.
- Census population adjusted for 4.7 percent net underenumeration (U.S. Bureau of the Census, 1979) based on the 1970 Post Enumeration Survey in Peninsular Malaysia, which represents about 84 percent of the total population of Malaysia.
- Based on 1976 registered births and deaths, adjusted for 7.1 and 26.2 percent under-registration, respectively, and the estimated 1976 population (U.S. Bureau of the Census, 1979). Births and deaths in Peninsular Malaysia were adjusted for 3.5 percent and 7.0 percent underregistration, respectively; and in East Malaysia for 23 percent and 70 percent, respectively.
- Difference between crude birth and death rates.
- Based on an estimated life expectancy of 64 years for Peninsular Malaysia, derived using adjusted registered births and deaths; and estimates for East Malaysia derived from 1960 and 1970 census data, registered deaths, and Coale-Demeny west region model life tables.
- Data not available. Based on 1970 adjusted registered births and infant deaths, an infant mortality rate of 42 can be derived for Peninsular Malaysia. Using this estimate for Peninsular Malaysia and a 1970 estimate for East Malaysia derived from 1960 and 1970 census data, registered deaths, and Coale-Demeny west region model life tables, an infant mortality rate of 60 in 1970 can be calculated for total Malaysia (U.S. Bureau of the Census, 1979). An infant mortality rate of 35 for Peninsular Malaysia in 1975 was also calculated at the U.S. Bureau of the Census (1979) based on adjusted births and infant deaths.
- See notes for Midyear Population Estimates.
- Projected range of variation derived at the U.S. Bureau of the Census based on assumed trends in fertility and mortality since 1976.
- Projected range of variation given selected combinations of unrounded crude birth and death rates (31.1 and 7.5 per 1,000 population and 32.7 and 7.6 per 1,000 population, respectively).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 6,434      | 1970                       | 10,910     | 1950-55 | 2.6                        |
| 1955 | 7,312      | 1971                       | 11,196     | 1955-60 | 2.8                        |
| 1960 | 8,428      | 1972                       | 11,491     | 1960-65 | 2.7                        |
| 1961 | 8,663      | 1973                       | 11,785     | 1965-70 | 2.5                        |
| 1962 | 8,906      | 1974                       | 12,082     | 1970-75 | 2.5                        |
| 1963 | 9,148      | 1975                       | 12,388     | 1975-79 | 2.5                        |
| 1964 | 9,397      | 1976                       | 12,702     |         |                            |
| 1965 | 9,648      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1966 | 9,900      | 1977                       | 13,024     |         |                            |
| 1967 | 10,155     | 1978                       | 13,348     |         |                            |
| 1968 | 10,409     | 1979                       | 13,674     |         |                            |
| 1969 | 10,662     |                            |            |         |                            |

**NOTES:** 1950-70—Based on the inflated 1947 and 1957 censuses and the adjusted 1970 census of Peninsular Malaysia; the inflated 1951, 1960, and 1970 censuses of Sabah; the inflated 1947, 1960, and 1970 censuses of Sarawak; and the registered trend in fertility and mortality from 1950 to 1970 (U.S. Bureau of the Census, 1979).

1971-76—Based on the adjusted 1970 census for total Malaysia and adjusted births and deaths, 1970 to 1976. Births and deaths were adjusted at the U.S. Bureau of the Census for 7.1 and 26.2 percent underregistration, respectively. It was assumed that there was no net migration during the period.

1977-79—Projected at the U.S. Bureau of the Census by the component method based on the 1976 estimated midyear population.

The following censuses were used in deriving the population time series:

| Census date          | Enumerated population | Adjusted population | Source   |
|----------------------|-----------------------|---------------------|--|
| Peninsular Malaysia: |                       |                     | Peninsular Malaysia: Enumerated populations as reported in <i>UNDY 1970</i> , table 7; and Department of Statistics, 1975b, tables 4.4 and 5.1. The 1970 census was adjusted for 4.7 percent net underenumeration based on the 1970 post enumeration survey and registered births and deaths for 1960 to 1970. The 1947 and 1957 censuses were inflated for the same percent net underenumeration as was estimated for 1970. |
| September 23, 1947   | 4,920,605             | 5,163,000           |  |
| June 17, 1957        | 6,278,758             | 6,588,000           |  |
| August 25, 1970      | 8,809,562             | 9,243,000           |  |
| Sabah:               |                       |                     | Sabah and Sarawak: Enumerated populations as reported in <i>UNDY 1970</i> , table 7; Department of Statistics, 1976a, tables 2, 3, and 3.1; and 1976b, table 4.1. Each of these censuses was inflated for the same percent net underenumeration as was estimated for Peninsular Malaysia in 1970.  |
| June 3, 1951         | 335,583               | 352,000             |  |
| August 9, 1960       | 456,331               | 479,000             |  |
| August 25, 1970      | 653,604               | 686,000             |  |
| Sarawak:             |                       |                     |  |
| November 26, 1947    | 546,385               | 573,000             |  |
| June 14, 1960        | 744,529               | 781,000             |  |
| August 25, 1970      | 976,269               | 1,024,000           |  |

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Department of Statistics. 1975. *1970 General Report—Population Census of Malaysia*, vol. 2. Kuala Lumpur.

\_\_\_\_\_. 1976a. *1970 Population and Housing Census of Malaysia*, vol. I, *Basic Population Tables*, part XII, *Sabah*. Kuala Lumpur.

\_\_\_\_\_. 1976b. *1970 Population and Housing Census of Malaysia*, vol. I, *Basic Population Tables*, part XIII, *Sarawak*. Kuala Lumpur.

U.S. Bureau of the Census. 1979. *Country Demographic Profiles—Malaysia*. Washington, D.C.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of January 1, 1978..... | 143,046 |
| 2. Adjusted population, census of January 1, 1978.....   | NA      |
| 3. Births per 1,000 population.....                      | NA      |
| 4. Deaths per 1,000 population.....                      | NA      |
| 5. Annual rate of growth, 1974-78 (percent).....         | 3.0     |
| 6. Life expectancy at birth.....                         | NA      |
| 7. Infant deaths per 1,000 live births.....              | NA      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 150,000 |
| 9. Births per 1,000 population, 1978.....      | 39-45   |
| 10. Deaths per 1,000 population, 1978.....     | 11-17   |
| 11. Annual rate of growth, 1978 (percent)..... | 3.0     |

## NOTES:

1. Provisional census figure as reported in *PVSR April 1979*. Population is de jure.
2. The 1978 census has not been evaluated for possible coverage error.
- 3-4. Data not available.
5. Intercensal growth rate based on the 1974 and 1978 censuses.
- 6-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on registered rates of unknown quality for 1974-77 (*UNDY 1977*, tables 9 and 18; and *PVSR April 1979*).
11. Projected assuming no significant change in the 1974-78 growth rate.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 82         | 1970                       | 115        | 1950-55 | 0.0                        |
| 1955 | 82         | 1971                       | 119        | 1955-60 | 2.4                        |
| 1960 | 92         | 1972                       | 123        | 1960-65 | 1.2                        |
| 1961 | 93         | 1973                       | 126        | 1965-70 | 3.2                        |
| 1962 | 93         | 1974                       | 129        | 1970-75 | 2.9                        |
| 1963 | 95         | 1975                       | 133        | 1975-79 | 3.0                        |
| 1964 | 94         | 1976                       | 137        |         |                            |
| 1965 | 98         | 1977                       | 141        |         |                            |
| 1966 | 101        |                            |            |         |                            |
| 1967 | 104        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 107        | 1978                       | 145        |         |                            |
| 1969 | 111        | 1979                       | 150        |         |                            |

**NOTES:** 1950-77—Based on the 1946 census, annual censuses during 1956-67 and the 1972, 1974 and 1978 censuses. The 1978 census is de jure.

1978-79—Projected based on the 1978 census assuming a continuation of the 1974-78 intercensal growth rate.

The following censuses were used in deriving the population time series:

| Census date     | Enumerated population | Adjusted population | Source   |
|-----------------|-----------------------|---------------------|--|
| March 19, 1946  | 82,068                |                     | Enumerated populations from the 1946 census and annual censuses during 1956-67 as reported in <i>UNDY 1970</i> , table 7. Enumerated populations from the 1972, 1974, and 1978 censuses as reported in April issues of <i>PVSR</i> for 1975, 1977, and 1979; respectively. For those censuses referred to only by year, census populations were assumed to refer to midyear. |
| 1956            | 81,950                |                     |  |
| 1957            | 83,075                |                     |  |
| 1958            | 87,582                |                     |  |
| 1959            | 89,290                |                     |  |
| 1960            | 92,247                |                     |  |
| 1961            | 92,793                |                     |  |
| 1962            | 92,744                |                     |  |
| 1963            | 94,527                |                     |  |
| 1964            | 93,960                |                     |  |
| June 18, 1965   | 97,743                |                     |  |
| June 18, 1966   | 100,883               |                     |  |
| June 18, 1967   | 103,801               |                     |  |
| June 1972       | 122,673               |                     |  |
| June 1974       | 128,697               |                     |  |
| January 1, 1978 | 143,046               |                     |  |

#### MAJOR SOURCES

All sources are shown in the country notes.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of January 5, 1979..... | 1,595,000 |
| 2. Adjusted population, census of January 5, 1979.....   | NA        |
| 3. Births per 1,000 population, 1978.....                | 38        |
| 4. Deaths per 1,000 population, 1978.....                | 9         |
| 5. Annual rate of growth, 1978 (percent).....            | 2.6       |
| 6. Life expectancy at birth, 1976.....                   | 67        |
| 7. Infant deaths per 1,000 live births, 1976.....        | 70        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 1,616,000 |
| 9. Births per 1,000 population, 1978.....      | 38        |
| 10. Deaths per 1,000 population, 1978.....     | 9         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.6       |

## NOTES:

1. Census figure as reported in CMEA, 1979, table 2.
2. The 1979 census has not been evaluated for possible coverage error.
- 3-4. Official registered rates as reported in CMEA, 1979, table 4.
5. Based on official January 1 population estimates for 1978 and 1979 as reported in CMEA, 1979, table 8. The difference between the growth rate and the natural increase rate implies a net emigration rate of 3 per 1,000 population.
- 6-7. Reported in U.N., 1978, p. 23.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 779        | 1970                       | 1,248      | 1950-55 | 1.6                        |
| 1955 | 844        | 1971                       | 1,283      | 1955-60 | 2.5                        |
| 1960 | 955        | 1972                       | 1,321      | 1960-65 | 2.7                        |
| 1961 | 982        | 1973                       | 1,360      | 1965-70 | 2.7                        |
| 1962 | 1,010      | 1974                       | 1,403      | 1970-75 | 2.9                        |
| 1963 | 1,031      | 1975                       | 1,446      | 1975-79 | 2.8                        |
| 1964 | 1,061      | 1976                       | 1,490      |         |                            |
| 1965 | 1,090      | 1977                       | 1,533      |         |                            |
| 1966 | 1,119      | 1978                       | 1,574      |         |                            |
| 1967 | 1,150      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 1,181      | 1979                       | 1,616      |         |                            |
| 1969 | 1,214      |                            |            |         |                            |

**NOTES:** 1950-62—Estimated by FDAD. For further information on sources and methods used in estimation, write the Chief, Foreign Demographic Analysis Division, Bureau of the Census, Washington, D.C. 20230.

1963-75—Official estimates reported in Central Statistical Board, 1975, p. 22.

1976-78—Official estimates reported in CMEA, 1979, table 3.

1979—Estimated by FDAD based on the official figure for the beginning of the year reported in CMEA, 1979, table 8, and on the assumption that the 1978 growth rate would continue through 1979.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source  |
|------------------|-----------------------|---------------------|---|
| February 5, 1956 | 845,481               |                     | Enumerated population for 1956 as reported in <i>UNDY 1962</i> , table 1; for 1963 and 1969 as reported in Central Statistical Board, 1971, p. 41; and for 1979 as reported in CMEA, 1979, table 2. |
| January 5, 1963  | 1,017,100             |                     |   |
| January 10, 1969 | 1,197,600             |                     |   |
| January 5, 1979  | 1,595,000             |                     |   |

### MAJOR SOURCES

Central Statistical Board. Council of Ministers of the Mongolian People's Republic. 1971. *50 Years of the MPR: Statistical Collection*. Ulan Bator. (In English and Russian.)

\_\_\_\_\_. 1975. *National Economy of the MPR in 1975, A Compilation of Statistics*. Ulan Bator. (In Mongolian.)

Council for Mutual Economic Aid (CMEA). Secretariat. 1979. *Statistical Yearbook of the Member Countries of the Council for Mutual Economic Aid 1979*. Moscow. (In Russian.)

United Nations. Economic and Social Commission for Asia and the Pacific. Division of Population and Social Affairs. 1978. *Asian-Pacific Population Programme News*, vol. 7, no. 3. Bangkok.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of June 22, 1971..... | 11,555,983 |
| 2. Adjusted population, census of June 22, 1971.....   | 12,149,000 |
| 3. Births per 1,000 population, 1975.....              | 45         |
| 4. Deaths per 1,000 population, 1975.....              | 21         |
| 5. Annual rate of growth, 1975 (percent).....          | 2.4        |
| 6. Life expectancy at birth, 1974-76.....              | 43         |
| 7. Infant deaths per 1,000 live births, 1974-76.....   | 133        |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 14,608,000 |
| 9. Births per 1,000 population, 1978.....      | 44-45      |
| 10. Deaths per 1,000 population, 1978.....     | 20         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.4-2.5    |

## NOTES:

- Final census figure (Central Bureau of Statistics, 1973, table 1). A "mid-term population census" (based on a 3.5 percent sample) was taken in 1976 but no population figure is yet available.
- Census population adjusted for 4.9 percent net underenumeration (U.S. Bureau of the Census, 1979).
- Based on estimated 1975 age-specific fertility rates, derived from the 1974-75 and 1976 population, by age and sex, based on the adjusted 1971 census population (U.S. Bureau of the Census, 1979).
- Based on 1974-76 estimated life table central death rates derived from the 1974-75 and 1976 Demographic Sample Surveys and the 1975 midyear population, by age and sex, based on the adjusted 1971 census population (U.S. Bureau of the Census, 1979).
- Difference between crude birth and death rates.
- Calculated from life tables derived from the Demographic Sample Surveys of 1974-75 and 1976, based on the average of age-sex-specific death rates (U.S. Bureau of the Census, 1979).
- Derived by averaging the results of the Demographic Sample Surveys of 1974-75 and 1976 (U.N., 1976, tables 4 and 5; and 1977, tables 20 and 21) and assuming a sex ratio at birth of 1.05.
- See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1975 (U.S. Bureau of the Census, 1979).
- Range of variation given selected combinations of unrounded crude birth and death rates (44.0 and 20.0 per 1,000 population and 44.8 and 20.1 per 1,000 population, respectively).

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 8,990      | 1970                       | 11,919     | 1950-55 | 1.1                        |
| 1955 | 9,479      | 1971                       | 12,155     | 1955-60 | 1.1                        |
| 1960 | 10,035     | 1972                       | 12,401     | 1960-65 | 1.6                        |
| 1961 | 10,176     | 1973                       | 12,667     | 1965-70 | 1.9                        |
| 1962 | 10,332     | 1974                       | 12,952     | 1970-75 | 2.1                        |
| 1963 | 10,500     | 1975                       | 13,257     | 1975-79 | 2.4                        |
| 1964 | 10,677     | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 10,862     | 1976                       | 13,580     |         |                            |
| 1966 | 11,057     | 1977                       | 13,913     |         |                            |
| 1967 | 11,262     | 1978                       | 14,256     |         |                            |
| 1968 | 11,473     | 1979                       | 14,608     |         |                            |
| 1969 | 11,692     |                            |            |         |                            |

**NOTES:** 1950-71—Based on the 1961 and 1971 adjusted censuses and estimated fertility, mortality, and migration trends from 1950 to 1971.

1972-79—Projected at the U.S. Bureau of the Census by the component method based on the adjusted 1971 midyear population and assumed trends in fertility and mortality which take into consideration results from the 1974-75 and 1976 Demographic Sample Surveys and the 1976 Nepal Fertility Survey.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source   |
|---------------|-----------------------|---------------------|--|
| June 22, 1961 | 9,412,996             | 10,173,000          | Enumerated populations as reported in <i>UNDY 1970</i> , table 7; and Central Bureau of Statistics, 1975, table 1.   |
| June 22, 1971 | 11,555,983            | 12,149,000          |  |
|               |                       |                     | The 1961 and 1971 enumerated populations were adjusted at the U.S. Bureau of the Census for 7.5 percent and 4.9 percent net under-enumeration, respectively (U.S. Bureau of the Census, 1979). |

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Central Bureau of Statistics. 1975. *Nepal Population Census—1971*, vol. I, *General Characteristic Tables*. Kathmandu.

Family Planning and Maternal Child Health Project. 1977. *Nepal Fertility Survey, 1976, First Report*. [London.]

United Nations. Office of Technical Cooperation and Fund for Population Activities. 1976. *The Demographic Sample Survey of Nepal, 1974-75, Survey Method and Findings*, by A. K. Bourini. Kathmandu.

\_\_\_\_\_. 1977. *The Demographic Sample Survey of Nepal, Second Year Survey, 1976*, by A. K. Bourini. Kathmandu.

U.S. Bureau of the Census. 1979. *Country Demographic Profiles—Nepal*. Forthcoming.

**BENCHMARK DATA**

|  |    |
|--|----|
| 1. Enumerated population.....                | NA |
| 2. Adjusted population.....                  | NA |
| 3. Births per 1,000 population .....         | NA |
| 4. Deaths per 1,000 population .....         | NA |
| 5. Annual rate of growth .....               | NA |
| 6. Life expectancy at birth .....            | NA |
| 7. Infant deaths per 1,000 live births,..... | NA |

**PROJECTED ESTIMATES**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 864,000 |
| 9. Births per 1,000 population 1978 .....      | 49      |
| 10. Deaths per 1,000 population 1978 .....     | 18      |
| 11. Annual rate of growth, 1978 (percent)..... | 3.0     |

**NOTES:**

- 1-2. Data not available. A census has never been taken in Oman.
- 3-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-11. Derived by interpolation of 1975-80 and 1980-85 projected rates from the U.N. high, medium, and low variant projections for Oman (U.N., 1979, annex tables 1-A, 2-A, and 6-9). Birth, death, and growth rate figures round to the same numbers for all three variants.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| <b>PROJECTED ESTIMATES</b> |            | 1969 | 635        | 1950-55 | 1.9                        |
| 1950                       | 413        | 1970 | 654        | 1955-60 | 2.1                        |
| 1955                       | 455        | 1971 | 674        | 1960-65 | 2.4                        |
| 1960                       | 505        | 1972 | 696        | 1965-70 | 2.7                        |
| 1961                       | 517        | 1973 | 719        | 1970-75 | 3.2                        |
| 1962                       | 529        | 1974 | 742        | 1975-79 | 3.0                        |
| 1963                       | 543        | 1975 | 766        |         |                            |
| 1964                       | 557        | 1976 | 790        |         |                            |
| 1965                       | 571        | 1977 | 814        |         |                            |
| 1966                       | 586        | 1978 | 839        |         |                            |
| 1967                       | 601        | 1979 | 864        |         |                            |
| 1968                       | 618        |      |            |         |                            |

**NOTES:** 1950-79—Based on U.N. estimates and medium variant projections (U.N., 1979, p. 39).

**MAJOR SOURCES**

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of September 16, 1972..... | 65,309,340 |
| 2. Adjusted population, census of September 16, 1972.....   | 69,717,000 |
| 3. Births per 1,000 population, 1974-75.....                | 45         |
| 4. Deaths per 1,000 population, 1972.....                   | 18         |
| 5. Annual rate of growth, 1972 (percent).....               | 2.7        |
| 6. Life expectancy at birth, 1962-65.....                   | 48         |
| 7. Infant deaths per 1,000 live births, 1971.....           | 142        |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 84,075,000 |
| 9. Births per 1,000 population, 1978.....      | 44-45      |
| 10. Deaths per 1,000 population, 1978.....     | 16-17      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.8-2.9    |

## NOTES:

1. Final census figure as reported in Census and Registration Organization, 1979.
2. Census population adjusted at the U.S. Bureau of the Census (1980) for 6.3 percent net underenumeration based on the Census Evaluation Survey (Statistical Division, 1974).
3. Estimated at the U.S. Bureau of the Census (1980) based on estimated 1974-75 age-specific fertility rates, derived from the 1975 Pakistan Fertility Survey (Population Planning Council of Pakistan, 1976) and the 1974 end-of-year population by age and sex, based on the adjusted 1972 census population.
4. Estimated at the U.S. Bureau of the Census (1980) based on 1972 estimated life table central death rates and midyear population, by age and sex.
5. Difference between crude birth and death rates.
6. Calculated from life tables estimated at the U.S. Bureau of the Census (1980) using deaths from the 1962 to 1965 Population Growth Estimation (PGE) surveys adjusted by the Chandrasekaran-Deming technique. The U.S. Bureau of the Census (1980) estimated a life expectancy at birth of 49 for 1971, consistent with an infant mortality rate of 142 for that year.
7. Estimated at the U.S. Bureau of the Census (1980) by applying the Sullivan mortality technique to data from the Pakistan Fertility Survey.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility since 1974-75 and mortality since 1972 (U.S. Bureau of the Census, 1980).
11. Range of variation given selected combinations of unrounded crude birth and death rates (44.1 and 16.4 per 1,000 population and 45.0 and 16.5 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 39,448     | 1970                       | 65,706     | 1950-55 | 2.4                        |
| 1955 | 44,434     | 1971                       | 67,491     | 1955-60 | 2.5                        |
| 1960 | 50,387     | 1972                       | 69,326     | 1960-65 | 2.6                        |
| 1961 | 51,719     |                            |            | 1965-70 | 2.7                        |
| 1962 | 53,101     |                            |            | 1970-75 | 2.7                        |
|      |            | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 2.8                        |
| 1963 | 54,524     | 1973                       | 71,206     |         |                            |
| 1964 | 55,988     | 1974                       | 73,164     |         |                            |
| 1965 | 57,495     | 1975                       | 75,195     |         |                            |
| 1966 | 59,046     | 1976                       | 77,299     |         |                            |
| 1967 | 60,642     | 1977                       | 79,477     |         |                            |
| 1968 | 62,282     | 1978                       | 81,735     |         |                            |
| 1969 | 63,970     | 1979                       | 84,075     |         |                            |

**NOTES:** 1950-72—Based on the 1961 and 1972 adjusted censuses, and estimated fertility and mortality trends from 1950 to 1972.

1973-79—Projected at the U.S. Bureau of the Census by the component method based on the adjusted 1972 midyear population and assumed fertility and mortality trends since 1972.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source  |
|--------------------|-----------------------|---------------------|---|
| February 1, 1961   | 42,978,261            | 51,167,000          | Enumerated populations for 1961 and 1972 as reported in Census Commission, no date, p. II-1 and Census and Registration Organization, 1979, respectively.   |
| September 16, 1972 | 65,309,340            | 69,717,000          |   |
|                    |                       |                     | The 1961 and 1972 enumerated populations were adjusted at the U.S. Bureau of the Census (1980) for 16.0 and 6.3 percent net underenumeration, respectively. The percent net underenumeration for 1972 is that estimated by the Census Evaluation Survey (Statistical Division, 1974). |

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Statistical Division. 1974. *Census Evaluation Survey, Population Census 1972*. Karachi.

U.S. Bureau of the Census. 1980. *Country Demographic Profiles—Pakistan*. Forthcoming.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of May 1, 1975..... | 42,070,660 |
| 2. Adjusted population, census of May 1, 1975.....   | NA         |
| 3. Births per 1,000 population, 1968-72.....         | 40         |
| 4. Deaths per 1,000 population, 1970.....            | 11         |
| 5. Annual rate of growth, 1970-75 (percent).....     | 2.7        |
| 6. Life expectancy at birth, 1970.....               | 58         |
| 7. Infant deaths per 1,000 live births, 1970.....    | 80         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 47,678,000 |
| 9. Births per 1,000 population, 1978.....      | 32-37      |
| 10. Deaths per 1,000 population, 1978.....     | 10         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.2-2.6    |

## NOTES:

1. Final census figure as reported in National Census and Statistics Office, 1978, table 1.
2. The 1975 census has not been evaluated for possible coverage error.
3. Based on the 1968-72 period age-specific fertility rates from the 1973 National Demographic Survey as reported by Concepcion (1974, table 1), and the 1970 census (based on a 5 percent sample of census returns) adjusted at the U.S. Bureau of the Census for 1.9 percent net underenumeration and moved to midyear.
4. Based on 1970 life table central death rates (Engracia, 1974, tables 1 and 2), and the 1970 census age-sex distribution (based on a 5 percent sample of census returns) adjusted at the U.S. Bureau of the Census for 1.9 percent net underenumeration and moved to midyear.
5. Intercensal growth rate based on the 1970 and 1975 unadjusted censuses.
- 6-7. Based on 1970 life tables as reported in Engracia, 1974, tables 1 and 2. The 1970 life tables are based on an analysis of the 1970 census age-sex distribution.
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trends in fertility since 1968-72 considering projected trends by the National Census and Statistics Office (1974) and the University of the Philippines Population Institute (no date), as well as results from the 1976 and 1977 rounds of the Seven Provinces Survey (Flieger and Pagtolun-an, no date), and results from the 1978 Philippine Fertility Survey (International Statistical Institute and World Fertility Survey, 1979).
10. Projected based on assumed trends in mortality since 1970 considering projected trends by the University of the Philippines Population Institute (no date). Figures round to the same number for all three variants.
11. Projected range of variation given selected combinations of unrounded crude birth and death rates (32.3 and 9.5 per 1,000 population and 37.0 and 9.8 per 1,000 population, respectively), and an estimated net emigration rate of 1.1 per 1,000 population. The migration rate is based on the 1970-76 observed trend in statistics on immigration into the United States and Canada, by age and sex (U.S. Immigration and Naturalization Service, various years; and Canada, Manpower and Immigration, various years), and the lifetime migration between 1970 and 1975 (National Census and Statistics Office, 1978, table 17), is offset by Philippine emigration to other countries.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 20,647     | <b>PROJECTED ESTIMATES</b> |            | 1950-55 | 3.0                        |
| 1955 | 24,000     |                            |            | 1955-60 | 3.0                        |
| 1960 | 27,898     |                            |            | 1960-65 | 3.0                        |
| 1961 | 28,750     |                            |            | 1965-70 | 2.9                        |
| 1962 | 29,628     |                            |            | 1970-75 | 2.7                        |
| 1963 | 30,533     |                            |            | 1975-79 | 2.5                        |
| 1964 | 31,467     |                            |            |         |                            |
| 1965 | 32,415     |                            |            |         |                            |
| 1966 | 33,392     |                            |            |         |                            |
| 1967 | 34,399     |                            |            |         |                            |
| 1968 | 35,436     | 1970                       | 37,540     |         |                            |
| 1969 | 36,493     | 1971                       | 38,614     |         |                            |
|      |            | 1972                       | 39,703     |         |                            |
|      |            | 1973                       | 40,808     |         |                            |
|      |            | 1974                       | 41,925     |         |                            |
|      |            | 1975                       | 43,059     |         |                            |
|      |            | 1976                       | 44,204     |         |                            |
|      |            | 1977                       | 45,356     |         |                            |
|      |            | 1978                       | 46,515     |         |                            |
|      |            | 1979                       | 47,678     |         |                            |

**NOTES:** 1950-69—Based on the 1970 census, adjusted at the U.S. Bureau of the Census for 1.9 percent net underenumeration; the inflated 1948 and 1960 censuses; and assumed trends in fertility, mortality, and migration since 1950.

1970-79—Projected by the component method based on the 1970 adjusted midyear population, assumed trends in fertility and mortality, and estimated net emigration. These estimates take into consideration the inflated 1975 census figure.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| October 1, 1948   | 19,234,182            | 19,598,000          | Enumerated populations as reported in National Census and Statistics Office, 1978, table 1.   |
| February 15, 1960 | 27,087,685            | 27,600,000          |   |
| May 6, 1970       | 36,684,486            | 37,378,000          |   |
| May 1, 1975       | 42,070,660            | 42,866,000          | The 1970 enumerated total population, distributed by age and sex based on a 5 percent sample of census returns, was adjusted at the U.S. Bureau of the Census for 1.9 percent net underenumeration. The 1948, 1960, and 1975 enumerated total populations were inflated for the same percent net underenumeration as was estimated for the 1970 census. |

## MAJOR SOURCES

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- Concepcion, Mercedes B. 1974. *Changes in Period Fertility as Gleaned from the 1973 NDS*. Population Institute, University of Philippines. Research Note no. 13. Manila.
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## BENCHMARK DATA

|   |         |
|---|---------|
| 1. Enumerated population, census of April-May 1970..... | 111,133 |
| 2. Adjusted population, census of April-May 1970.....   | NA      |
| 3. Births per 1,000 population .....                    | NA      |
| 4. Deaths per 1,000 population .....                    | NA      |
| 5. Annual rate of growth .....                          | NA      |
| 6. Life expectancy at birth .....                       | NA      |
| 7. Infant deaths per 1,000 live births .....            | NA      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 210,000 |
| 9. Births per 1,000 population, 1978.....      | 36-38   |
| 10. Deaths per 1,000 population, 1978.....     | 9-10    |
| 11. Annual rate of growth, 1978 (percent)..... | 4.6-4.7 |

## NOTES:

1. Enumerated population as reported by Mallakh, 1979, table 1.1.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-7. Data not available. Taj El Din (1978) reports 3,611 births in hospitals for Qatar and 464 deaths in hospitals for the city of Doha in 1970, implying a crude birth rate of 32 per 1,000 population for Qatar and a crude death rate of 6 per 1,000 for the city of Doha.
8. See notes for Midyear Population Estimates.
- 9-11. Derived at the U.S. Bureau of the Census from alternative U.N. (1979, annex tables 2-A, 7, and 9) projections of the growth rate for 1975-80. Considerable net immigration is implied.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 47         | <b>PROJECTED ESTIMATES</b> |            | 1950-55 | 2.0                        |
| 1955 | 52         |                            |            | 1955-60 | 2.5                        |
| 1960 | 59         |                            |            | 1960-65 | 3.4                        |
| 1961 | 60         |                            |            | 1965-70 | 9.2                        |
| 1962 | 61         |                            |            | 1970    | 111                        |
| 1963 | 63         | 1971                       | 122        | 1975-79 | 5.3                        |
| 1964 | 66         | 1972                       | 134        |         |                            |
| 1965 | 70         | 1973                       | 146        |         |                            |
| 1966 | 76         | 1974                       | 158        |         |                            |
| 1967 | 83         | 1975                       | 170        |         |                            |
| 1968 | 91         | 1976                       | 181        |         |                            |
| 1969 | 101        | 1977                       | 191        |         |                            |
|      |            | 1978                       | 201        |         |                            |
|      |            | 1979                       | 210        |         |                            |

**NOTES:** 1950-79— Based on U.N. (1979, table 1.C) estimated and projected medium variant series.

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United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|    |  |           |
|----|--|-----------|
| 1. | Enumerated population, census of September 9-14, 1974..... | 7,012,642 |
| 2. | Adjusted population, census of September 9-14, 1974.....   | NA        |
| 3. | Births per 1,000 population.....                           | NA        |
| 4. | Deaths per 1,000 population.....                           | NA        |
| 5. | Annual rate of growth.....                                 | NA        |
| 6. | Life expectancy at birth.....                              | NA        |
| 7. | Infant deaths per 1,000 live births.....                   | NA        |

## PROJECTED ESTIMATES

|     |  |           |
|-----|--|-----------|
| 8.  | Population, July 1, 1979.....              | 9,292,000 |
| 9.  | Births per 1,000 population, 1978.....     | 49        |
| 10. | Deaths per 1,000 population, 1978.....     | 18        |
| 11. | Annual rate of growth, 1978 (percent)..... | 4.4-6.7   |

## NOTES:

1. Preliminary census figure as reported by Ministry of Finance and National Economy, 1976, p. 3.
2. The 1974 census has not been evaluated for possible coverage error.
- 3-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Derived by interpolation of 1975-80 and 1980-85 projected rates from the U.N. high, medium, and low variant projections (U.N., 1979, tables 2-A, 7, and 9). Figures round to the same number for all three variants.
11. Range of variation given possible combinations of unrounded crude birth and death rates, and estimated range of net immigration of 16-39 per 1,000 population based on recent migration trends.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 3,901      | 1970                       | 6,174      | 1950-55 | 1.9                        |
| 1955 | 4,288      | 1971                       | 6,354      | 1955-60 | 2.1                        |
| 1960 | 4,768      | 1972                       | 6,541      | 1960-65 | 2.4                        |
| 1961 | 4,879      | 1973                       | 6,748      | 1965-70 | 2.7                        |
| 1962 | 4,995      | 1974                       | 6,963      | 1970-75 | 3.3                        |
| 1963 | 5,119      | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 6.1                        |
| 1964 | 5,248      | 1975                       | 7,272      |         |                            |
| 1965 | 5,384      | 1976                       | 7,708      |         |                            |
| 1966 | 5,527      | 1977                       | 8,243      |         |                            |
| 1967 | 5,678      |                            |            |         |                            |
| 1968 | 5,836      | 1978                       | 8,785      |         |                            |
| 1969 | 6,002      | 1979                       | 9,292      |         |                            |

**NOTES:** 1950-74—Estimated based on the 1974 census, assumed growth rates which take into consideration U.N. estimates (1979, tables 1.C and 2.B), and estimated net migration for 1972-74 based on arrival and departure data (Ministry of Finance and National Economy, 1979 and 1980, tables 4-44 and 4-52, respectively).

1975-79—Projected based on the 1974 census, assumed growth rates which take into consideration U.N. estimates (1979, tables 2.A and 2.B), and estimated net migration trends based on arrival and departure data (Ministry of Finance and National Economy, 1979 and 1980, tables 4-44 and 4-52, respectively).

**MAJOR SOURCES**

Ministry of Finance and National Economy. Central Department of Statistics. [1976.] *Population Census, 1394 (1974), Preliminary Data for Administrative Areas, Emirates, and Sub-Emirates* (in Arabic). Riyadh.

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\_\_\_\_\_. 1980. *Statistical Yearbook, 1978*. Riyadh.

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## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of June 22, 1970..... | 2,074,507 |
| 2. Adjusted population, census of June 22, 1970.....   | NA        |
| 3. Births per 1,000 population, 1978.....              | 17        |
| 4. Deaths per 1,000 population, 1978.....              | 5         |
| 5. Annual rate of growth, 1978 (percent).....          | 1.2       |
| 6. Life expectancy at birth, 1977.....                 | 71        |
| 7. Infant deaths per 1,000 live births, 1978.....      | 13        |

## PROJECTED ESTIMATES

|   |           |
|---|-----------|
| 8. Population, July 1, 1979 .....               | 2,363,000 |
| 9. Births per 1,000 population, 1978 .....      | 17        |
| 10. Deaths per 1,000 population, 1978 .....     | 5         |
| 11. Annual rate of growth, 1978 (percent) ..... | 1.2       |

## NOTES:

1. Final census figure (Department of Statistics, 1973, table 1). Excludes transients afloat and non-locally domiciled military and civilian services personnel and their dependents.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Registered rates as reported in Department of Statistics, 1979, table 2.1.
5. Difference between crude birth and death rates.
6. Calculated at the U.S. Bureau of the Census based on official age-specific mortality rates (Department of Statistics, 1978, table 2.6; and Registrar General..., no date, tables 30 and 31).
7. Registered rate as reported in Department of Statistics, 1979, table 2.1.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 1,022      | 1970                       | 2,075      | 1950-55 | 4.9                        |
| 1955 | 1,306      | 1971                       | 2,110      | 1955-60 | 4.6                        |
| 1960 | 1,646      | 1972                       | 2,147      | 1960-65 | 2.7                        |
| 1961 | 1,702      | 1973                       | 2,185      | 1965-70 | 1.9                        |
| 1962 | 1,750      | 1974                       | 2,219      | 1970-75 | 1.6                        |
| 1963 | 1,795      | 1975                       | 2,250      | 1975-79 | 1.2                        |
| 1964 | 1,842      | 1976                       | 2,278      |         |                            |
| 1965 | 1,887      | 1977                       | 2,308      |         |                            |
| 1966 | 1,934      | 1978                       | 2,334      |         |                            |
| 1967 | 1,978      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 2,012      | 1979                       | 2,363      |         |                            |
| 1969 | 2,042      |                            |            |         |                            |

**NOTES:** 1950-78—Official estimates based on the 1947, 1957, and 1970 censuses and registered births and deaths (Registrar General..., no date, table 1a; and Department of Statistics, 1979, table 2.1).

1979—Projected at the U.S. Bureau of the Census based on the estimated May 1, 1979 population, derived using registered births and deaths for July 1978 through April 1979. This estimate was projected to midyear 1979 assuming a continuation of the midyear 1978 to May 1979 growth rate.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| September 9, 1947 | 938,144               |                     | Enumerated populations as reported in <i>UNDY 1970</i> , table 7. |
| June 17, 1957     | 1,445,929             |                     |   |
| June 22, 1970     | 2,074,507             |                     |   |

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Department of Statistics. 1973. *Report on the Census of Population 1970, Singapore*, vol. II. Singapore.

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## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of October 9, 1971..... | 12,689,897 |
| 2. Adjusted population, census of October 9, 1971.....   | 12,840,000 |
| 3. Births per 1,000 population, 1978.....                | 28         |
| 4. Deaths per 1,000 population, 1978.....                | 7          |
| 5. Annual rate of growth, 1978 (percent).....            | 1.7        |
| 6. Life expectancy at birth, 1970-72.....                | 64         |
| 7. Infant deaths per 1,000 live births, 1974.....        | 53         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 14,594,000 |
| 9. Births per 1,000 population, 1978.....      | 28         |
| 10. Deaths per 1,000 population, 1978.....     | 7          |
| 11. Annual rate of growth, 1978 (percent)..... | 1.7        |

## NOTES:

- Final census figure as reported in Department of Census and Statistics, 1975, table 7.
- Preliminary census population (12,712,277) as reported in Department of Census and Statistics (1974, table 1) adjusted for 1.0 percent net underenumeration (U.S. Bureau of the Census, 1977).
- 3-4. Based on provisional registered data as reported by the Department of Census and Statistics (Guneratne, 1979). The same rates (when rounded) were calculated at the U.S. Bureau of the Census from the implied registered births and deaths adjusted for 1 percent and 3 percent underregistration, respectively, and adjusted midyear population.
- Difference between crude birth and death rates and an estimated net emigration rate of 3.7 per 1,000 population based on past trends in official migration estimates.
- Calculated from 1970-72 empirical life tables (U.S. Bureau of the Census, 1977, table 5).
- Based on registered infant deaths and births (Department of Census and Statistics, 1978a, tables 10 and 21) adjusted at the U.S. Bureau of the Census for underregistration of 4 percent and 1 percent, respectively.
- See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## SRI LANKA

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 7,533      | 1970                       | 12,532     | 1950-55 | 2.8                        |
| 1955 | 8,679      | 1971                       | 12,776     | 1955-60 | 2.6                        |
| 1960 | 9,879      | 1972                       | 13,011     | 1960-65 | 2.5                        |
| 1961 | 10,152     | 1973                       | 13,239     | 1965-70 | 2.2                        |
| 1962 | 10,422     | 1974                       | 13,443     | 1970-75 | 1.7                        |
| 1963 | 10,687     | 1975                       | 13,655     | 1975-79 | 1.7                        |
| 1964 | 10,942     | 1976                       | 13,879     |         |                            |
| 1965 | 11,202     | 1977                       | 14,106     |         |                            |
| 1966 | 11,470     | 1978                       | 14,347     |         |                            |
| 1967 | 11,737     |                            |            |         |                            |
| 1968 | 12,010     | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1969 | 12,275     | 1979                       | 14,594     |         |                            |

**NOTES:** 1950-78—Based on the adjusted 1953, 1963, and 1971 censuses, adjusted births and deaths, and estimated net migration for each year 1950 to 1978.

1979—Projected from the 1978 end-of-year population assuming a continuation of the 1978 growth rate.

The following censuses were used in deriving the population time series:

| Census date     | Enumerated population | Adjusted population | Source   |
|-----------------|-----------------------|---------------------|--|
| March 20, 1953  | 8,098,637             | 8,153,000           | Enumerated populations for 1953, 1963, and 1971 as reported in Department of Census and Statistics, 1953, table III; <i>UNDY 1971</i> , table 7; and Department of Census and Statistics, 1975, table 7; respectively. |
| July 8, 1963    | 10,582,064            | 10,692,000          |  |
| October 9, 1971 | 12,689,897            | 12,840,000          |  |

The enumerated populations were each adjusted for 1.0 percent net underenumeration; the 1953 census was adjusted by the Department of Census and Statistics (1953, table III) and the 1963 and 1971 censuses were adjusted at the U.S. Bureau of the Census (1977).

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**MAJOR SOURCES**

Department of Census and Statistics. 1953. *Post Enumeration Survey 1953*, monograph no. 1. Colombo.

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Guneratne, D. P. (Deputy Director, Department of Census and Statistics). 1979. Personal communication.

U.S. Bureau of the Census. 1977. *Country Demographic Profiles—Sri Lanka*. Washington, D.C.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of September 2-11, 1976..... | 7,725,766 |
| 2. Adjusted population, census of September 2-11, 1976.....   | NA        |
| 3. Births per 1,000 population, 1976.....                     | 44        |
| 4. Deaths per 1,000 population, 1974-78.....                  | 9         |
| 5. Annual rate of growth, 1970-76 (percent).....              | 3.4       |
| 6. Life expectancy at birth, 1974-78.....                     | 62        |
| 7. Infant deaths per 1,000 live births, 1974.....             | 81        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 8,506,000 |
| 9. Births per 1,000 population, 1978.....      | 41-44     |
| 10. Deaths per 1,000 population, 1978.....     | 9         |
| 11. Annual rate of growth, 1978 (percent)..... | 3.4       |

## NOTES:

- Final 3 percent sample census figure as reported in Hallak and Hill, 1980, table 1. Population is de jure.
- The 1976 sample census has not been evaluated for possible coverage error.
- Estimated at the U.S. Bureau of the Census based on age-specific fertility rates derived by an application of the Brass fertility technique ( $P_2/F_2$  ratio) to 1976 census data (Hallak and Hill, 1980, table 19), and the 1976 smoothed female age distribution.
- Estimated at the U.S. Bureau of the Census based on 1974-78 life table central death rates for both sexes (see note 6) and the 1976 census age distribution.
- Intercensal growth rate based on the 1970 and 1976 censuses.
- Estimated at the U.S. Bureau of the Census based on estimated infant mortality (see note 7) and reported deaths by broad age groups from the 1976-78 Demographic Follow-up Survey adjusted for 15 percent underreporting of deaths over age 5 (Hallak and Hill, 1980, table 13 and pp. 36 and 37).
- Estimated at the U.S. Bureau of the Census based on an application of the Trussell mortality technique to data from the 1976 census.
- See notes for Midyear Population Estimates.
- Projected range of variation based on assumed trend of fertility since 1976 which takes into consideration results from the 1976-78 Demographic Follow-up Survey (Hallak and Hill, 1980, p. 40).
- Projected assuming no significant change in mortality since 1974-78.
- Projected assuming a continuation of the 1970-76 intercensal growth rate.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 3,495      | 1970                       | 6,258      | 1950-55 | 2.4                        |
| 1955 | 3,938      | 1971                       | 6,473      | 1955-60 | 2.8                        |
| 1960 | 4,533      | 1972                       | 6,697      | 1960-65 | 3.2                        |
| 1961 | 4,681      | 1973                       | 6,930      | 1965-70 | 3.2                        |
| 1962 | 4,835      | 1974                       | 7,171      | 1970-75 | 3.4                        |
| 1963 | 4,993      | 1975                       | 7,420      | 1975-79 | 3.4                        |
| 1964 | 5,157      | 1976                       | 7,677      |         |                            |
| 1965 | 5,326      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1966 | 5,500      | 1977                       | 7,944      |         |                            |
| 1967 | 5,681      |                            |            |         |                            |
| 1968 | 5,867      | 1978                       | 8,220      |         |                            |
| 1969 | 6,059      | 1979                       | 8,506      |         |                            |

**NOTES:** 1950-76—Based on the 1960 de facto and 1970 and 1976 de jure censuses, and assumed growth rates which take into consideration U.N. estimates and intercensal growth rates.  
1977-79—Projected based on a continuation of the 1970-76 intercensal growth rate.

The following censuses were used in deriving the population time series:

| Census date          | Enumerated population | Adjusted population | Source  |
|----------------------|-----------------------|---------------------|---|
| September 20, 1960   | 4,565,121             |                     | The 1960 and 1970 enumerated populations as reported in Central Bureau of Statistics, 1975, table 4/2; the percent sample census for 1976 as reported in Hallak and Hill, 1979, table 1. The 1970 and 1976 populations are de jure. |
| September 23, 1970   | 6,304,685             |                     |   |
| September 2-11, 1976 | 7,725,766             |                     |   |

**MAJOR SOURCES**

Central Bureau of Statistics. 1977. *Statistical Abstract: 1977*. [Damascus.]

Hallak, Muhammad Nadir and Allan G. Hill. 1980. "Levels and Trends in Fertility and Mortality in the Syrian Arab Republic." *Levels and Trends of Fertility and Mortality in Selected Arab Countries of West Asia*, ed. Kamel Abu Jaber. Symposium sponsored by the University of Jordan, the Department of Statistics, Jordan, and the National Academy of Sciences, United States of America. Amman.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of April 1, 1970..... | 34,397,374 |
| 2. Adjusted population, census of April 1, 1970.....   | 36,825,000 |
| 3. Births per 1,000 population, 1975.....              | 32-36      |
| 4. Deaths per 1,000 population, 1974-75.....           | 8-10       |
| 5. Annual rate of growth, 1975 (percent).....          | 2.3-2.6    |
| 6. Life expectancy at birth, 1974-75.....              | 61         |
| 7. Infant deaths per 1,000 live births, 1974-75.....   | 76         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 46,687,000 |
| 9. Births per 1,000 population, 1978.....      | 28-34      |
| 10. Deaths per 1,000 population, 1978.....     | 7-9        |
| 11. Annual rate of growth, 1978 (percent)..... | 2.1-2.5    |

## NOTES:

- Final census figure (National Statistical Office, 1973, table 1.A).
- Census population adjusted for 6.6 percent net underenumeration (U.S. Bureau of the Census, 1978).
- Range of variation based on an analysis of the current demographic situation by the Committee on Population and Demography, National Academy of Sciences (1980, p. 3), which takes into consideration various indirect estimation techniques applied to data from the 1970 census, the 1974-75 Survey of Population Change, and the 1975 Survey of Fertility in Thailand.
- Range of variation based on results from the 1974-75 Survey of Population Change (National Statistical Office, 1977, p. 14), taking into account sampling variability.
- Range of variation based on an analysis of the current demographic situation by the Committee on Population and Demography, National Academy of Sciences (1980, p. 3).
- 6-7. Calculated from official life tables based on results from the 1974-75 Survey of Population Change (National Statistical Office, 1977, table 6), and assuming a sex ratio at birth of 1.05.
- See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1975 and 1974-75, respectively, which take into consideration results from the 1974-76 Survey of Population Change (National Statistical Office, 1977), the Survey of Fertility in Thailand (Institute of Population Studies, Chulalongkorn University and National Statistical Office, 1977), national projection series (National Statistical Office, 1976), and an analysis of the current demographic situation by the Committee on Population and Demography, National Academy of Sciences (1980).
11. Projected range of variation given selected combinations of unrounded crude birth and death rates (27.9 and 6.6 per 1,000 population and 34.3 and 9.1 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |     |
|------|------------|----------------------------|------------|---------|----------------------------|-----|
| 1950 | 20,042     | 1970                       | 37,091     | 1950-55 | 3.1                        |     |
| 1955 | 23,451     | <b>PROJECTED ESTIMATES</b> |            |         | 1955-60                    | 3.2 |
| 1960 | 27,513     | 1971                       | 38,152     | 1960-65 | 3.1                        |     |
| 1961 | 28,376     | 1972                       | 39,215     | 1965-70 | 2.9                        |     |
| 1962 | 29,263     | 1973                       | 40,281     | 1970-75 | 2.7                        |     |
| 1963 | 30,174     | 1974                       | 41,350     | 1975-79 | 2.4                        |     |
| 1964 | 31,107     | 1975                       | 42,422     |         |                            |     |
| 1965 | 32,062     | 1976                       | 43,492     |         |                            |     |
| 1966 | 33,036     | 1977                       | 44,562     |         |                            |     |
| 1967 | 34,024     |                            |            |         |                            |     |
| 1968 | 35,028     | 1978                       | 45,626     |         |                            |     |
| 1969 | 36,050     | 1979                       | 46,687     |         |                            |     |

**NOTES:** 1950-70—Based on the 1960 and 1970 adjusted censuses and estimated fertility, mortality, and migration trends from 1950 to 1970 (U.S. Bureau of the Census, 1978).

1971-79—Projected based on the adjusted 1970 midyear population and assumed trends in fertility and mortality which take into consideration results from the 1974-76 Survey of Population Change (National Statistical Office, 1977), the Survey of Fertility in Thailand (Institute of Population Studies, Chulalongkorn University and National Statistical Office, 1977), national projection series (National Statistical Office, 1976), and an analysis of the current demographic situation by the Committee on Population and Demography, National Academy of Sciences (1980).

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source   |
|----------------|-----------------------|---------------------|--|
| April 25, 1960 | 26,257,916            | 27,357,000          | Enumerated populations as reported in National Statistical Office, 1962, table 1.A; and 1973, table 1.A, respectively. The 1960 and 1970 enumerated populations were adjusted at the U.S. Bureau of the Census (1978) for 4.0 percent and 6.6 percent net enumeration, respectively. |
| April 1, 1970  | 34,397,374            | 36,825,000          |  |

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- Committee on Population and Demography, National Academy of Sciences. 1980. *Fertility and Mortality Changes in Thailand: 1950-1975*, report no. 2. Panel on Thailand. Washington, D.C.
- Institute of Population Studies, Chulalongkorn University and National Statistical Office. 1977. *The Survey of Fertility in Thailand: Country Report*, vol. I. Bangkok.
- Knodel, John and Pichit Pitaktesombati. 1975. "Fertility and Family Planning in Thailand: Results from Two Rounds of a National Study." *Studies in Family Planning*, vol. 6, no. 11. The Population Council. New York.
- National Statistical Office. 1962. *Thailand Population Census: 1960. Whole Kingdom*. Bangkok.
- \_\_\_\_\_. 1973. *1970 Population and Housing Census. Whole Kingdom*. Bangkok.
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- \_\_\_\_\_. 1977. *The Survey of Population Change: 1974-75*. Bangkok.
- \_\_\_\_\_. no date. *Report of the Survey of Population Change, 1964-65*. Bangkok.
- U.S. Bureau of the Census. 1978. *Country Demographic Profiles—Thailand*. Washington, D.C.

## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of October 26, 1975..... | 40,347,719 |
| 2. Adjusted population, census of October 26, 1975.....   | 40,839,000 |
| 3. Births per 1,000 population, 1975.....                 | 37         |
| 4. Deaths per 1,000 population, 1975.....                 | 12         |
| 5. Annual rate of growth, 1975 (percent).....             | 2.4        |
| 6. Life expectancy at birth, 1974-75.....                 | 57         |
| 7. Infant deaths per 1,000 live births, 1974-75.....      | 125        |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 44,561,000 |
| 9. Births per 1,000 population, 1978.....      | 34-36      |
| 10. Deaths per 1,000 population, 1978.....     | 11-12      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3-2.4    |

## NOTES:

1. Final census figure as reported in State Institute of Statistics, 1977, table 22.
2. Census population adjusted for 1.2 percent net underenumeration (U.S. Bureau of the Census, 1980).
3. Estimated at the U.S. Bureau of the Census (1980) based on 1974-75 age-specific fertility rates and estimated midyear 1975 population, by age and sex.
4. Estimated at the U.S. Bureau of the Census (1980) based on age-sex-specific central death rates from 1974-75 life tables and estimated 1975 midyear population, by age and sex.
5. Difference between unrounded crude birth and death rates.
- 6-7. Calculated from 1974-75 life tables derived at the U.S. Bureau of the Census based on population and adjusted deaths, by age, from the 1974-75 Turkish Demographic Survey (State Institute of Statistics, no date, tables 1, 22, and 23). The adjusted deaths were based on the average of survey and registered deaths, by age, from the dual record system, inflated to the total deaths estimated by the Chandrasekaran-Deming technique.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1975.
11. Range of variation given selected combinations of unrounded crude birth and death rates (34.0 and 11.4 per 1,000 population and 35.9 and 11.6 per 1,000 population, respectively).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 21,122     | 1970                       | 35,743     | 1950-55 | 2.7                        |
| 1955 | 24,145     | 1971                       | 36,604     | 1955-60 | 3.1                        |
| 1960 | 28,217     | 1972                       | 37,542     | 1960-65 | 2.5                        |
| 1961 | 29,030     | 1973                       | 38,525     | 1965-70 | 2.2                        |
| 1962 | 29,789     | 1974                       | 39,524     | 1970-75 | 2.5                        |
| 1963 | 30,509     | 1975                       | 40,521     | 1975-79 | 2.4                        |
| 1964 | 31,227     | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 31,951     | 1976                       | 41,514     |         |                            |
| 1966 | 32,678     | 1977                       | 42,519     |         |                            |
| 1967 | 33,411     |                            |            |         |                            |
| 1968 | 34,165     | 1978                       | 43,535     |         |                            |
| 1969 | 34,937     | 1979                       | 44,561     |         |                            |

**NOTES:** 1950-75—Based on the 1950, 1955, 1960, 1965, 1970, and 1975 adjusted censuses, and estimated fertility, mortality, and migration trends from 1950 to 1975.

1976-79—Projected at the U.S. Bureau of the Census by the component method based on the adjusted 1975 midyear population assuming a continuation of trends in fertility and mortality estimated from results of the 1966-67 and 1974-75 Turkish Demographic Surveys.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| October 22, 1950 | 20,947,188            | 21,290,000          | Enumerated populations as reported in State Institute of Statistics, 1977, table 29.   |
| October 23, 1955 | 24,064,763            | 24,371,000          |  |
| October 23, 1960 | 27,754,820            | 28,469,000          | The censuses were adjusted at the U.S. Bureau of the Census (1980), for 1.6, 1.3, 2.5, 2.4, 1.1, and 1.2 percent net underenumeration, respectively, based on an analysis of the underenumeration of the population ages 0 to 4. |
| October 24, 1965 | 31,391,421            | 32,178,000          |  |
| October 25, 1970 | 35,605,176            | 36,015,000          |  |
| October 26, 1975 | 40,347,719            | 40,839,000          |  |

#### MAJOR SOURCES

Ministry of Health and Social Welfare. 1970. *Vital Statistics from the Turkish Demographic Survey, 1966-67*. Ankara.

\_\_\_\_\_. 1976. *Population Census of Turkey 26 October 1975. 1% Sample Results*. Ankara.

\_\_\_\_\_. 1977. *1977 Statistical Yearbook of Turkey*. Ankara.

\_\_\_\_\_. no date. *Türkiye Nüfus Araştırmasi 1974-1975 (Turkish Demographic Survey 1974-1975)*. [Ankara.]

U.S. Bureau of the Census. 1980. *Country Demographic Profiles—Turkey*. Washington, D.C. Forthcoming.

BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of August 29, 1975..... | 655,937 |
| 2. Adjusted population, census of August 29, 1975.....   | NA      |
| 3. Births per 1,000 population.....                      | NA      |
| 4. Deaths per 1,000 population.....                      | NA      |
| 5. Annual rate of growth, 1968-75 (percent).....         | 17.5    |
| 6. Life expectancy at birth.....                         | NA      |
| 7. Infant deaths per 1,000 live births.....              | NA      |

PROJECTED ESTIMATES

|   |         |
|---|---------|
| 8. Population, July 1, 1979 .....               | 871,000 |
| 9. Births per 1,000 population, 1978.....       | 36-38   |
| 10. Deaths per 1,000 population, 1978.....      | 9-10    |
| 11. Annual rate of growth, 1978 (percent) ..... | 5.5-6.8 |

NOTES:

1. Census figure as reported in *The Washington Post*, November 9, 1976. Population is de jure.
2. The 1975 census has not been evaluated for possible coverage error.
- 3-4. Data not available.
5. Intercensal growth rate. Considerable net immigration is implied.
- 6-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Derived by interpolation of 1975-80 and 1980-85 projected rates from the U.N. low, medium, and high variant projections for "Other Western South Asia" (U.N., 1979, annex tables 2-A, 7, and 9).
11. Derived at the U.S. Bureau of the Census from alternative U.N. (1979, annex tables 2-A, 7, and 9) projections of the growth rate for 1975-80. Considerable net immigration is implied.

## UNITED ARAB EMIRATES

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 87         | 1970                       | 225        | 1950-55 | 2.2                        |
| 1955 | 97         | 1971                       | 249        | 1955-60 | 2.5                        |
| 1960 | 110        | 1972                       | 275        | 1960-65 | 4.5                        |
| 1961 | 113        | 1973                       | 365        | 1965-70 | 9.8                        |
| 1962 | 116        | 1974                       | 486        | 1970-75 | 21.1                       |
| 1963 | 121        | 1975                       | 646        | 1975-79 | 7.5                        |
| 1964 | 128        | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 138        | 1976                       | 713        |         |                            |
| 1966 | 150        | 1977                       | 770        |         |                            |
| 1967 | 166        |                            |            |         |                            |
| 1968 | 184        | 1978                       | 823        |         |                            |
| 1969 | 203        | 1979                       | 871        |         |                            |

**NOTES:** 1950-75—Based on the 1968 and 1975 de jure censuses and estimated trends in fertility, mortality, and migration. The 1968 census figure was projected backward to 1950 by using estimated annual growth rates. Net migration was assumed to be nil for the 1950-61 period.

1976-79—Projected based on the 1975 census and assumed trends in the growth rate which take into consideration alternative U.N. projections (U.N., 1979).

The following censuses were used in deriving the population time series:

| Census date                  | Enumerated population | Adjusted population | Source   |
|------------------------------|-----------------------|---------------------|--|
| March 15 -<br>April 16, 1968 | 179,126               |                     | Enumerated populations for 1968 and 1975 as reported in <i>PVSR October 1979</i> and <i>The Washington Post</i> , November 9, 1976, respectively. Population is de jure. |
| August 29, 1975              | 655,937               |                     |  |

**MAJOR SOURCES**

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|  |   |            |
|--|---|------------|
| 1. Enumerated population, census of  | { April 1, 1974 (North Vietnam).....    | 23,787,375 |
|  | { February 6, 1976 (South Vietnam)..... | 23,614,653 |
| 2. Adjusted population, census of April 1, 1974, and February 6, 1976..... |   | NA         |
| 3. Births per 1,000 population.....  |   | NA         |
| 4. Deaths per 1,000 population.....  |   | NA         |
| 5. Annual rate of growth.....  |   | NA         |
| 6. Life expectancy at birth.....   |   | NA         |
| 7. Infant deaths per 1,000 live births.....                                |   | NA         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 52,127,000 |
| 9. Births per 1,000 population, 1978.....      | NA         |
| 10. Deaths per 1,000 population, 1978.....     | NA         |
| 11. Annual rate of growth, 1978 (percent)..... | NA         |

## NOTES:

1. Census figure for North Vietnam as reported in *PVSR April 1979*; and for South Vietnam as reported in the *Vietnam Courier*, Mar. 1977, no. 58. A census of Vietnam was taken Oct. 1-10, 1979, but no results are yet available.
- 2-7. Data not available. An official crude birth rate of 34 per 1,000 population for 1978 and an infant mortality rate of 30 per 1,000 live births for 1977 were reported by the British Broadcasting Corporation, 1979.
8. See notes for Midyear Population Estimates.
- 9-11. Data not available. The crude birth, death, and growth rates for 1978 from the U.N. medium variant projection series are 41 and 17 per 1,000 population, and 2.3 percent, respectively (U.N., 1979, tables 2-A and 1-A). The government of Vietnam has indicated strong support for family planning in an attempt to obtain an average annual growth rate in 1980 of 1.5 to 2.0 percent (FBIS, 1978, p. 77). Given the lack of adequate benchmark data, the military involvement with neighboring countries, and the large amount of refugee movements within the region, it is impossible to specify the levels of current rates.

## VIETNAM

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 27,072     | 1970                       | 42,984     | 1950-55 | 1.6                        |
| 1955 | 29,357     | 1971                       | 43,935     | 1955-60 | 2.5                        |
| 1960 | 33,283     | 1972                       | 44,889     | 1960-65 | 2.8                        |
| 1961 | 34,214     | 1973                       | 45,845     | 1965-70 | 2.4                        |
| 1962 | 35,189     | 1974                       | 46,792     | 1970-75 | 2.1                        |
| 1963 | 36,208     | 1975                       | 47,728     | 1975-79 | 2.2                        |
| 1964 | 37,217     | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 38,212     | 1976                       | 48,751     |         |                            |
| 1966 | 39,191     | 1977                       | 49,922     |         |                            |
| 1967 | 40,152     |                            |            |         |                            |
| 1968 | 41,091     | 1978                       | 50,969     |         |                            |
| 1969 | 42,036     | 1979                       | 52,127     |         |                            |

**NOTES:** 1950-79—Based on the 1960 and 1974 censuses of North Vietnam, the 1976 census of South Vietnam, and Jan. 1 population estimates for 1974-80 prepared by FDAD; assumed growth rates between 1950 and 1975 which take into consideration U.N. estimates; and estimated trends in refugee movements during the period 1975-79 (U.N. General Assembly, various issues, 1976-78; and High Commissioner for Refugees, 1979; *Newsweek*, July 2, 1978, p. 42; and *The Economist*, July 22, 1978, p. 54).

The following censuses were used in deriving the population time series:

| Census date                         | Enumerated population | Adjusted population | Source   |
|-------------------------------------|-----------------------|---------------------|--|
| March 1, 1960<br>(North Vietnam)    | 15,916,955            |                     | The 1960 and 1974 enumerated populations for North Vietnam as reported in <i>PVSR April 1979</i> and <i>UNDY 1975</i> , table 3, respectively. The 1976 enumerated population for South Vietnam as reported in the <i>Vietnam Courier</i> , Mar. 1977, no. 58. |
| April 1, 1974<br>(North Vietnam)    | 23,787,375            |                     |  |
| February 6, 1976<br>(South Vietnam) | 23,614,653            |                     |  |

### MAJOR SOURCES

British Broadcasting Corporation. 1979. *Summary of World Broadcasts*, part 3. *Far East*, series FE/W1014/A/26, Jan. 17, 1979; and FE/W1016/A/20, Jan. 31, 1979.

Foreign Broadcast Information Service (FBIS). 1978. *Translations on Vietnam*, no. 2067. Tap Chi Cong San, no. 7, July.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

\_\_\_\_\_. General Assembly. Various issues, 1975 to 1978. *Report of the United Nations High Commissioner for Refugees*. Official records (annual reports). New York.

\_\_\_\_\_. High Commissioner for Refugees. 1979. *UNHCR*. Spring. New York.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of May 14, 1973..... | 1,590,275 |
| 2. Adjusted population, census of May 14, 1973.....   | NA        |
| 3. Births per 1,000 population.....                   | NA        |
| 4. Deaths per 1,000 population.....                   | NA        |
| 5. Annual rate of growth.....                         | NA        |
| 6. Life expectancy at birth.....                      | NA        |
| 7. Infant deaths per 1,000 live births .....          | NA        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 1,863,000 |
| 9. Births per 1,000 population, 1978.....      | 47        |
| 10. Deaths per 1,000 population, 1978.....     | 21        |
| 11. Annual rate of growth, 1978 (percent)..... | 1.7-1.9   |

## NOTES:

1. Provisional census figure as reported in *PVSR October 1979*. Excludes data for the islands of Perim and Kamaran.
2. The 1973 census has not been evaluated for possible coverage error.
- 3-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Derived by interpolation of 1975-80 and 1980-85 projected rates from the U.N. high, medium, and low variant projections (U.N., 1979, tables 2.A, 2.B, 7, and 9). Birth and death rate figures round to the same numbers for all three variants.
11. Difference between unrounded crude birth and death rates, and an estimated net emigration rate of approximately 7-8 per 1,000 based on refugee data as reported in U.N., High Commissioner for Refugees, 1978, p. 15.

## YEMEN (ADEN)

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |     |
|------|------------|----------------------------|------------|---------|----------------------------|-----|
| 1950 | 993        | 1970                       | 1,498      | 1950-55 | 1.8                        |     |
| 1955 | 1,089      | 1971                       | 1,527      | 1955-60 | 2.1                        |     |
| 1960 | 1,209      | 1972                       | 1,556      | 1960-65 | 2.2                        |     |
| 1961 | 1,236      | <b>PROJECTED ESTIMATES</b> |            |         | 1965-70                    | 2.1 |
| 1962 | 1,265      | 1973                       | 1,596      | 1970-75 | 2.3                        |     |
| 1963 | 1,294      | 1974                       | 1,637      | 1975-79 | 2.6                        |     |
| 1964 | 1,323      | 1975                       | 1,680      |         |                            |     |
| 1965 | 1,352      | 1976                       | 1,727      |         |                            |     |
| 1966 | 1,381      | 1977                       | 1,777      |         |                            |     |
| 1967 | 1,410      |                            |            |         |                            |     |
| 1968 | 1,440      | 1978                       | 1,820      |         |                            |     |
| 1969 | 1,469      | 1979                       | 1,863      |         |                            |     |

**NOTES:** 1950-72—Based on the 1973 census and trends in growth rates based on U.N. (1979, table 1.C) estimates.

1973-79—Projected based on the 1973 census and assumed trends in fertility, mortality, and migration. Annual rates of natural increase were interpolated from U.N. (1979, tables 2.A and 2.B) medium variant period rates. Annual net migration rates were based on refugee data as reported in U.N. High Commissioner for Refugees (1978, p. 15) and migration data as reported in Saudi Arabia (1978, table 4-44).

#### MAJOR SOURCES

Central Planning Commission. Central Statistical Office. 1974. *Preliminary Figures for 1973: Population and Establishment Censuses*. Aden.

Saleh, Ayyash Ali. 1973. *About the Fertility Survey in the People's Democratic Republic of Yemen*. United Nations Expert Group Meeting on Fertility. ESOB/DM/F/CP.7. Beirut.

Saudi Arabia. Ministry of Finance and National Economy. Central Department of Statistics. 1978. *Statistical Yearbook 1976, 1977*. Riyadh.

Steffen, Hans. 1978. *Yemen Arab Republic: Final Report*. Airphoto Interpretation Project of the Swiss Technical Cooperation Service, Berne. Zurich.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

\_\_\_\_\_. General Assembly. 1978. *Report on UNHCR Assistance Activities in 1977-78*. A/AC.96/553/Add. 1. New York.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of January 31-February 1, 1975..... | 4,519,593 |
| 2. Adjusted population, census of January 31-February 1, 1975.....   | 4,705,336 |
| 3. Births per 1,000 population.....                                  | NA        |
| 4. Deaths per 1,000 population.....                                  | NA        |
| 5. Annual rate of growth(percent).....                               | NA        |
| 6. Life expectancy at birth.....                                     | NA        |
| 7. Infant deaths per 1,000 live births.....                          | NA        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 5,126,000 |
| 9. Births per 1,000 population, 1978.....      | 48        |
| 10. Deaths per 1,000 population, 1978.....     | 25        |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3       |

## NOTES:

- Final census figure as reported by Steffen (1979, fig. 2-12).
- Adjusted for an estimated 48,602 persons residing in areas not covered by the census enumeration and 137,141 persons omitted in areas covered (Steffen, 1979, fig. 2-12).
- 3-7. Data not available. Based on an application of various techniques to fertility and mortality data from the 1972 Socio-Demographic Survey of Sana City, the 1976 survey of clinic attenders at two Maternal and Child Health Centers, and the 1977 survey of three rural villages, Hill (1980, table 14) estimates crude birth and death rates in the mid 1970's of 49 and 20 per 1,000 population, respectively, for Sana City; and a crude birth rate of 42-48 per 1,000 population and a crude death rate of 20 per 1,000 population for the remainder of Yemen. The Central Planning Agency (1976, table 15) estimates crude birth and death rates of 47 and 29 per 1,000 population, respectively, for the period 1970-75; the crude death rate is an estimate derived from a "two month (Sept. and Oct.) survey of deaths in 1976." The crude birth rate is an estimate derived from reverse survival of the population from a three percent sample of the 1975 census returns. Hill (1980, table 14) estimates infant mortality rates for the mid 1970's of 161 for Sana City and approximately 157 for the remainder of Yemen, based on an application of the Trussell mortality technique to data from the 1972 survey of Sana City and the 1977 survey of three rural villages, respectively.
- See notes for Midyear Population Estimates.
- 9-10. Derived by interpolation of 1975-80 and 1980-85 projected rates from the United Nations high, medium, and low variant projections (United Nations, 1979, tables 2.A, 2.B, 7, and 9). Birth and death rate figures round to the same numbers for all three variants.
11. Difference between unrounded crude birth and death rates, and an estimated net emigration rate of 0.8 per 1,000 population, based on estimates made by Steffen (1979, p.I/91-96 and fig. 2-31).

## YEMEN (SANA)

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,994      | 1970                       | 4,357      | 1950-55 | 1.8                        |
| 1955 | 3,284      | 1971                       | 4,442      | 1955-60 | 2.0                        |
| 1960 | 3,639      | 1972                       | 4,525      | 1960-65 | 2.1                        |
| 1961 | 3,720      | 1973                       | 4,601      | 1965-70 | 1.5                        |
| 1962 | 3,805      | 1974                       | 4,667      | 1970-75 | 1.6                        |
| 1963 | 3,890      | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 2.0                        |
| 1964 | 3,972      | 1975                       | 4,723      |         |                            |
| 1965 | 4,047      | 1976                       | 4,798      |         |                            |
| 1966 | 4,114      | 1977                       | 4,900      |         |                            |
| 1967 | 4,175      | 1978                       | 5,010      |         |                            |
| 1968 | 4,234      | 1979                       | 5,126      |         |                            |
| 1969 | 4,293      |                            |            |         |                            |

**NOTES:** 1950-79 - Based on the adjusted 1975 census, annual rates of growth for 1950-69 as estimated by the United Nations (1979, table 1.C), rates of natural increase for 1970-79 as estimated by the United Nations (1979, tables 2.A, and 2.B), annual rates of net emigration for 1970-79 as estimated by Steffen (1979, fig. 2-31) and taking into consideration reported 1972-76 migration balances between Yemen (Sana) and Saudi Arabia (1978, table 4-44).

**MAJOR SOURCES**

Allman, James and Allan G. Hill. 1978. "Fertility, Mortality, Migration and Family Planning in the Yemen Arab Republic." *Population Studies*, vol. 32, no. 1, pp. 159-171.

Central Planning Agency. 1976. *The Population Situation in the Yemen Arab Republic, An Analytical Study* (in Arabic). Mimeo. Sana.

Hill, Allan G. 1980. "Levels and Trends in Fertility and Mortality in the Yemen Arab Republic." *Levels and Trends of Fertility and Mortality in Selected Arab Countries of West Asia*, ed. Kamel Abu Jaber. Symposium sponsored by the University of Jordan, the Department of Statistics, Jordan, and the National Academy of Sciences, United States of America. Amman.

Saudi Arabia. Ministry of Finance and National Economy. Central Department of Statistics. [1978.] *Statistical Yearbook, 1976, 1977*. Riyadh.

Steffen, Hans. 1978. *Yemen Arab Republic: Final Report*. Airphoto Interpretation Project of the Swiss Technical Cooperation Service, Berne, carried out for the Central Planning Organization, Sana. Zurich.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

# LATIN AMERICA



**Countries not shown**

- Antigua
- Br. Virgin Islands
- Cayman Islands
- Dominica
- Grenada
- Montserrat
- Netherlands Antilles
- St. Christopher-Nevis-Anguilla
- St. Lucia
- St. Vincent and the Grenadines
- Virgin Islands

Table C-1. **Population of Latin America, 1979, and Vital Rates, 1978, by Subregion**

| Subregion                    | Estimated population July 1, 1979 (thousands) | 1978                        |                             |                          |
|------------------------------|---|-----------------------------|-----------------------------|--------------------------|
|                              |   | Births per 1,000 population | Deaths per 1,000 population | Rate of growth (percent) |
| Latin America.....           | 352,821                                       | 32-33                       | 9                           | 2.3-2.4                  |
| Caribbean.....               | 29,874  | 27-28                       | 8-9                         | 1.6-1.7                  |
| Middle America.....          | 87,503  | 37                          | 8-9                         | 2.7                      |
| Temperate South America..... | 40,969  | 24-25                       | 9                           | 1.5                      |
| Tropical South America.....  | 194,475                                       | 33-34                       | 9                           | 2.3-2.5                  |

Table C-2. **Population of Latin America and Average Annual Rates of Growth, by Subregion: 1950 to 1979**

| Subregion                    | Midyear population (thousands) |         |         |         |         |         |         |
|------------------------------|--------------------------------|---------|---------|---------|---------|---------|---------|
|                              | 1979                           | 1975    | 1970    | 1965    | 1960    | 1955    | 1950    |
| Latin America.....           | 352,821                        | 320,906 | 282,895 | 247,760 | 215,651 | 187,480 | 164,416 |
| Caribbean.....               | 29,874                         | 27,800  | 25,037  | 22,721  | 20,330  | 18,347  | 16,728  |
| Middle America.....          | 87,503                         | 78,128  | 66,869  | 57,048  | 48,567  | 41,446  | 35,982  |
| Temperate South America..... | 40,969                         | 38,576  | 35,951  | 33,382  | 30,727  | 28,024  | 25,435  |
| Tropical South America.....  | 194,475                        | 176,403 | 155,038 | 134,609 | 116,026 | 99,662  | 86,270  |

| Subregion                    | Average annual rate of growth (percent) |         |         |         |         |         |
|------------------------------|---|---------|---------|---------|---------|---------|
|                              | 1975-79                                 | 1970-75 | 1965-70 | 1960-65 | 1955-60 | 1950-55 |
| Latin America.....           | 2.4                                     | 2.5     | 2.7     | 2.8     | 2.8     | 2.6     |
| Caribbean.....               | 1.8                                     | 2.1     | 1.9     | 2.2     | 2.1     | 1.8     |
| Middle America.....          | 2.8                                     | 3.1     | 3.2     | 3.2     | 3.2     | 2.8     |
| Temperate South America..... | 1.5                                     | 1.4     | 1.5     | 1.7     | 1.8     | 1.9     |
| Tropical South America.....  | 2.4                                     | 2.6     | 2.8     | 3.0     | 3.0     | 2.9     |

Note: For a list of countries comprising each subregion, see Composition of Subregions, pp. 18 and 19.

## Population Growth in Latin America: 1950 to 1979

Latin America is a less developed region with moderately declining fertility, low mortality, and a high population growth rate. In comparison with other regions of the world, the population of Latin America experienced the highest growth rates from 1950 to 1970. However, while the population growth rate in Africa was accelerating, that in Latin America peaked in 1955-65 at 2.8 percent per year, and has subsequently declined as reductions in fertility began to exceed reductions in mortality, notably in Costa Rica, Chile, Brazil, Colombia, and Mexico. Nevertheless, Latin America's share of world population has continued to increase (from less than 7 percent in 1950 to over 8 percent in 1979), since its growth rate is still well above the average rate for the world.

The trend in population growth in Latin America is determined primarily by trends in Tropical South America, whose 10 countries constitute more than half of the total population of the region. This subregion's population growth rate has been declining steadily since the peak rate of 3.0 percent in 1955-65, and reached 2.4 percent in 1975-79. Tropical South America includes Brazil, which has the sixth largest population in the world and the largest in Latin America. The rapidity of fertility decline in Brazil is suggested by changes in both the crude birth rate (37 per 1,000 population in 1970, 31-33 per 1,000 population in 1976-77) and the total fertility rate (5.3 children per woman in 1970, 4.2-4.6 children per woman in 1976-77). In Colombia, with the second largest population in Tropical South America, fertility has also declined appreciably in recent years (6.7 children per woman in 1964, compared with 4.0 children per woman in 1978) and net international emigration has increased. The result has been a drop in Colombia's population growth rate from 3.1 percent in 1964 to 2.1 percent in 1978. In the past, oil-rich Venezuela has attracted Colombians and other Latin Americans in significant numbers for employment both in the oil fields and in other sectors. Venezuelan officials estimate that about 4 million foreigners make up over one-fourth of the country's population. Only three countries of Tropical South America show increasing population growth rates between 1970-75 and 1975-79: Bolivia, Ecuador, and Suriname. The increased growth rates in Bolivia and Ecuador are primarily a consequence of declining mortality, while in Suriname the increased growth rate is due to net immigration (estimated at 7 per 1,000 population in 1978).

Middle America has consistently had the highest rates of

population growth in Latin America during the 1955-79 period, but those rates have been tapering off since 1965-70. In Mexico, which contains more than three-fourths of the subregion's population, the growth rate declined from 3.3 percent in 1960-65 to 3.1 percent in 1970-71, and 2.6 percent in 1978-79, primarily as a consequence of a rapid fertility decline as reflected by changes in both the crude birth rate (43 per 1,000 population in 1970, 37 per 1,000 population in 1977-78) and the total fertility rate (6.5 children per woman in 1970, 5.2 children per woman in 1977-78).

The population growth rate in El Salvador, the most densely populated nation in Latin America, remains high due primarily to declining mortality and despite increasing net international emigration. Panama and Costa Rica had the lowest crude birth rates (29-32 per 1,000 population) and the lowest crude death rates (5 per 1,000 population) in the Middle America subregion in 1978. The total fertility rate in Panama declined by about one-fourth between 1955 and 1975 (to 4.5 children per woman), and that in Costa Rica fell by about one-half between 1960 and 1976 (to 3.7 children per woman). Costa Rica was the recipient of the majority of the refugees who fled from Nicaragua during the recent civil war.

The lowest rates of population growth in Latin America are found in Temperate South America. In this subregion, characterized by relatively low fertility, the rate of growth diminished slowly from 1.9 percent in the 1950-55 period to 1.4 percent in the 1970-75 period. However, during 1975-79 the growth rate increased slightly (to 1.5 percent) due to an increase in the crude birth rate in Argentina where two-thirds of the subregion's inhabitants live. Meanwhile, population growth rates in Chile and Uruguay declined between 1970-75 and 1975-79 (to 1.5 percent and 0.6 percent per year, respectively).

In the Caribbean subregion, whose 22 countries together constituted only 8 percent of Latin America's population in 1979, the growth rate fluctuated between 1.8 and 2.2 percent during the 1950-75 period and returned to a level of 1.8 percent again in 1975-79. The overall rate of growth for 1975-79, however, conceals a diversity of rates among the individual islands, due primarily to the varying impact of net international migration. In 1975-79 the Bahamas experienced a growth rate approaching 4.0 percent, while Martinique experienced a negative growth rate in excess of 1.0 percent.

## BENCHMARK DATA

|  |        |
|--|--------|
| 1. Enumerated population, census of April 7, 1970..... | 65,525 |
| 2. Adjusted population, census of April 7, 1970.....   | NA     |
| 3. Births per 1,000 population, 1977.....              | 20     |
| 4. Deaths per 1,000 population, 1977.....              | 7      |
| 5. Annual rate of growth, 1976-77 (percent).....       | 1.3    |
| 6. Life expectancy at birth, 1959-61.....              | 62     |
| 7. Infant deaths per 1,000 live births, 1977.....      | 24     |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 74,200 |
| 9. Births per 1,000 population, 1978.....      | 20     |
| 10. Deaths per 1,000 population, 1978.....     | 7      |
| 11. Annual rate of growth, 1978 (percent)..... | 1.3    |

## NOTES:

1. Final census figure as reported in *PVSR October 1979*.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Registered rates as reported in *PVSR October 1979*. Data are tabulated by year of registration rather than occurrence.
5. Based on official 1976 and 1977 midyear population estimates (U.N., 1979).
6. Based on official estimates of male and female life expectancy at birth (*UNDY 1977*, table 22), and an assumed sex ratio at birth of 1.05.
7. Registered rate as reported in *PVSR October 1979*. Data are tabulated by year of registration rather than occurrence.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming a continuation of the 1976-77 growth rate.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 45.8       | 1970                       | 65.8       | 1950-55 | 2.2                        |
| 1955 | 51.0       | 1971                       | 66.9       | 1955-60 | 1.3                        |
| 1960 | 54.5       | 1972                       | 68.0       | 1960-65 | 1.7                        |
| 1961 | 55.6       | 1973                       | 69.0       | 1965-70 | 2.1                        |
| 1962 | 56.8       | 1974                       | 69.8       | 1970-75 | 1.4                        |
| 1963 | 58.0       | 1975                       | 70.5       | 1975-79 | 1.3                        |
| 1964 | 58.6       | 1976                       | 71.4       |         |                            |
| 1965 | 59.3       | 1977                       | 72.3       |         |                            |
| 1966 | 60.5       |                            |            |         |                            |
| 1967 | 61.8       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 63.1       | 1978                       | 73.2       |         |                            |
| 1969 | 64.5       | 1979                       | 74.2       |         |                            |

**NOTES:** 1950-59—Based on the 1960 census and reported births, deaths, and migrants from 1950 to 1960 (University of the West Indies, 1964, table C.11).

1960-77—Official midyear estimates (U.N., 1977 and 1979) based on the 1960 and 1970 censuses.

1978-79—Projected assuming a continuation of the 1976-77 growth rate.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source   |
|---------------|-----------------------|---------------------|--|
| April 7, 1960 | 54,304                |                     | Enumerated population for 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in <i>PVSR October 1979</i> . |
| April 7, 1970 | 65,525                |                     |  |

#### MAJOR SOURCES

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\_\_\_\_\_. 1979. Personal communication.

University of the West Indies. Census Research Programme. 1964. *Estimates of Intercensal Population by Age and Sex and Revised Vital Rates for British Caribbean Countries: 1964-1960*, publication no. 8, Kingston, Jamaica.

## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of September 30, 1970..... | 23,362,204 |
| 2. Adjusted population, census of September 30, 1970.....   | NA         |
| 3. Births per 1,000 population, 1976.....                   | 26         |
| 4. Deaths per 1,000 population, 1977.....                   | 9          |
| 5. Annual rate of growth, 1970 (percent).....               | 1.4        |
| 6. Life expectancy at birth, 1969-70.....                   | 66         |
| 7. Infant deaths per 1,000 live births, 1977.....           | 45         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 27,210,000 |
| 9. Births per 1,000 population, 1978.....      | 26         |
| 10. Deaths per 1,000 population, 1978.....     | 9          |
| 11. Annual rate of growth, 1978 (percent)..... | 1.6        |

## NOTES:

1. Provisional census figure as reported in *PVSR July 1979*.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered births and deaths (*PVSR July 1979*) adjusted at the U.S. Bureau of the Census for 2 and 1 percent underregistration, respectively (official estimates of underregistration as reported in Instituto Nacional de Estadística y Censos, 1975, pp. 175 and 180) and estimated midyear population.
5. Difference between unrounded crude birth, death, and net immigration rates (23.4, 9.4, and 0.3 per 1,000 population, respectively). The 1970 crude birth and death rates are based on registered births and deaths as reported in *PVSR April 1975* adjusted for 2 percent and 1 percent underregistration, respectively, and estimated midyear population. The net immigration rate is based on official estimates of migrants (Instituto Nacional de Estadística y Censos, 1974b, p. 20).
6. Calculated from empirical life tables prepared at the U.S. Bureau of the Census, based on registered deaths, by age and sex, for 1969 and 1970 (*UNDY 1974*, table 25), and 2 percent sample data from the 1970 census (Instituto Nacional de Estadística y Censos, 1974a, table 1).
7. Registered rate as reported in *PVSR April 1975*. Reliability of infant death statistics is unknown.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1976 and 1977, respectively.
11. Projected based on an estimated 1976-77 growth rate, which takes into consideration projected births for 1977.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |     |
|------|------------|----------------------------|------------|---------|----------------------------|-----|
| 1950 | 17,150     | 1970                       | 23,758     | 1950-55 | 2.0                        |     |
| 1955 | 18,928     | <b>PROJECTED ESTIMATES</b> |            |         | 1955-60                    | 1.7 |
| 1960 | 20,611     |                            |            |         | 1960-65                    | 1.5 |
| 1961 | 20,930     | 1971                       | 24,106     | 1965-70 | 1.4                        |     |
| 1962 | 21,245     | 1972                       | 24,458     | 1970-75 | 1.4                        |     |
| 1963 | 21,558     | 1973                       | 24,807     | 1975-79 | 1.6                        |     |
| 1964 | 21,868     | 1974                       | 25,154     |         |                            |     |
| 1965 | 22,179     | 1975                       | 25,519     |         |                            |     |
| 1966 | 22,479     | 1976                       | 25,931     |         |                            |     |
| 1967 | 22,774     | 1977                       | 26,351     |         |                            |     |
| 1968 | 23,068     | 1978                       | 26,777     |         |                            |     |
| 1969 | 23,402     | 1979                       | 27,210     |         |                            |     |

**NOTES:** 1950-65—Official estimates based on the 1947 (de jure), 1960, and 1970 censuses, registered births and deaths, and estimated net migration (Instituto Nacional de Estadística y Censos, 1974b, p. 28).

1966-70—Based on the official estimate for midyear 1965 and registered births and deaths adjusted at the U.S. Bureau of the Census for 2 and 1 percent underregistration, respectively (official estimates of underregistration as reported in Instituto Nacional de Estadística y Censos, 1975, pp. 175 and 180); and official estimates of net immigration (Instituto Nacional de Estadística y Censos, 1974b, p. 20).

1971-79—Projected at the U.S. Bureau of the Census based on the estimated midyear 1970 population; registered births through 1974 and for 1976; registered deaths for 1970 and 1977; estimated and projected trends in fertility and mortality for other years; and projected net immigration (Instituto Nacional de Estadística y Censos, 1974b).

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source  |
|--------------------|-----------------------|---------------------|---|
| May 10, 1947       | 15,893,827            |                     | The 1947 and 1960 enumerated populations as reported in <i>UNDY 1970</i> , table 7; and the 1970 enumerated population as reported in <i>UNDY 1975</i> , table 3. |
| September 30, 1960 | 20,010,539            |                     |   |
| September 30, 1970 | 23,362,204            |                     |   |

**MAJOR SOURCES**

Instituto Nacional de Estadística y Censos. 1970. *Censo Nacional de Población, Familias y Viviendas 1970—Resultados Provisionales*. Buenos Aires.

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## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of April 7, 1970..... | 168,812 |
| 2. Adjusted population, census of April 7, 1970.....   | NA      |
| 3. Births per 1,000 population, 1976.....              | 25      |
| 4. Deaths per 1,000 population, 1976.....              | 5       |
| 5. Annual rate of growth, 1977-78 (percent).....       | 3.6     |
| 6. Life expectancy at birth, 1969-71.....              | 66      |
| 7. Infant deaths per 1,000 live births, 1976.....      | 25      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 236,000 |
| 9. Births per 1,000 population, 1978.....      | 25      |
| 10. Deaths per 1,000 population, 1978.....     | 5       |
| 11. Annual rate of growth, 1978 (percent)..... | 3.6     |

## NOTES:

- Final census figure (Department of Statistics, 1972, table 1). Population is de jure.
- The 1970 census has not been evaluated for possible coverage error.
- 3-4. Preliminary registered rates as reported in Department of Statistics, 1978, table 2.02.
5. Based on official midyear population estimates for 1977 and 1978 (Department of Statistics, 1978, table 2.01).
6. Based on official estimates of male and female life expectancy at birth (*UNDY 1977*, table 22), and an assumed sex ratio at birth of 1.05.
7. Registered rate as reported in Department of Statistics, 1978, table 2.02.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1976.
11. Projected assuming a continuation of the 1977-78 growth rate.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 70         | 1970                       | 171        | 1950-55 | 4.2                        |
| 1955 | 87         | 1971                       | 177        | 1955-60 | 5.1                        |
| 1960 | 112        | 1972                       | 183        | 1960-65 | 4.3                        |
| 1961 | 118        | 1973                       | 190        | 1965-70 | 4.1                        |
| 1962 | 123        | 1974                       | 197        | 1970-75 | 3.5                        |
| 1963 | 128        | 1975                       | 204        | 1975-79 | 3.7                        |
| 1964 | 134        | 1976                       | 211        |         |                            |
| 1965 | 139        | 1977                       | 220        |         |                            |
| 1966 | 145        | 1978                       | 228        |         |                            |
| 1967 | 151        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 157        | 1979                       | 236        |         |                            |
| 1969 | 164        |                            |            |         |                            |

**NOTES:** 1950-63—Based on the 1943 and 1953 de facto censuses adjusted at the U.S. Bureau of the Census to represent de jure populations, the 1963 de jure census, and assumed trends in fertility, mortality, and migration since 1950.

1964-78—Official midyear estimates (U.N., 1977; and Department of Statistics, 1978, tables 2.01 and 2.02) based on the 1963 and 1970 de jure censuses.

1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source  |
|--------------------|-----------------------|---------------------|---|
| April 25, 1943:    |                       |                     | The enumerated 1943, 1953, and 1963 de facto, and 1963 de jure populations as reported in <i>UNDY 1970</i> , table 7. The 1970 de jure population as reported in Department of Statistics, 1972, table 1. |
| de facto           | 68,846                |                     |   |
| est. de jure       | 66,000                |                     |   |
| December 6, 1953:  |                       |                     | The 1943 and 1953 de jure populations were estimated at the U.S. Bureau of the Census using the ratio of the reported 1963 de facto to de jure populations.   |
| de facto           | 84,841                |                     |   |
| est. de jure       | 81,000                |                     |   |
| November 15, 1963: |                       |                     |   |
| de facto           | 136,368               |                     |   |
| est. de jure       | 130,220               |                     |   |
| April 7, 1970:     |                       |                     |   |
| de jure            | 168,812               |                     |   |

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## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of April 7, 1970..... | 237,701 |
| 2. Adjusted population, census of April 7, 1970.....   | 238,710 |
| 3. Births per 1,000 population, 1978.....              | 16      |
| 4. Deaths per 1,000 population, 1978.....              | 7       |
| 5. Annual rate of growth, 1978 (percent).....          | 2.3     |
| 6. Life expectancy at birth, 1969-71.....              | 69      |
| 7. Infant deaths per 1,000 live births, 1978.....      | 27      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979 .....              | 279,000 |
| 9. Births per 1,000 population, 1978.....      | 16      |
| 10. Deaths per 1,000 population, 1978.....     | 7       |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3     |

## NOTES:

1. Final census figure (University of the West Indies, 1973, table A).
2. Census figure officially adjusted for 0.4 percent net underenumeration (Statistical Service, 1978b).
- 3-4. Based on registered data reported in *PVSR October 1979*, and estimated midyear population. Data are tabulated by year of registration rather than occurrence.
5. Based on the difference between the unrounded crude birth and death rates (15.8 and 7.3 per 1,000 population, respectively), and an estimated net immigration rate of 14.0 per 1,000 population based on the average official arrival and departure data for 1975, 1976, and 1977 (Statistical Service, 1978a, table 4).
6. Based on male and female life tables estimated at the U.S. Bureau of the Census, and an assumed sex ratio at birth of 1.05. Life tables were derived from graphically adjusted age-specific death rates based on registered deaths and an estimated midperiod age-sex distribution.
7. Registered rate as reported in *PVSR October 1979*.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 211        | 1970                       | 239        | 1950-55 | 1.5                        |
| 1955 | 227        | 1971                       | 242        | 1955-60 | 0.4                        |
| 1960 | 232        | 1972                       | 243        | 1960-65 | 0.2                        |
| 1961 | 230        | 1973                       | 243        | 1965-70 | 0.4                        |
| 1962 | 229        | 1974                       | 248        | 1970-75 | 1.1                        |
| 1963 | 231        | 1975                       | 253        | 1975-79 | 2.4                        |
| 1964 | 233        | 1976                       | 257        |         |                            |
| 1965 | 235        | 1977                       | 264        |         |                            |
| 1966 | 236        | 1978                       | 273        |         |                            |
| 1967 | 238        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 240        | 1979                       | 279        |         |                            |
| 1969 | 239        |                            |            |         |                            |

**NOTES:** 1950-69—Based on the adjusted 1946, 1960, and 1970 censuses and reported births, deaths, and migrants (University of the West Indies, 1964, tables B.5, B.6, and C.3; and Statistical Service, 1978b).

1970-77—Based on the adjusted 1970 census and official end-of-year populations as reported in Statistical Service, 1977, table 1; and 1978a, table 1.

1978—Based on registered births and deaths (*PVSR October 1979*), and estimated net immigration based on the average of official arrival and departure data for 1975, 1976, and 1977 (Statistical Service, 1978a, table 4).

1979—Projected based on the 1978 estimated end-of-year population assuming a continuation of the 1978 calendar year growth rate.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source   |
|---------------|-----------------------|---------------------|--|
| April 9, 1946 | 192,800               | 193,680             | Enumerated populations for 1946 and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in University of the West Indies, 1973, table A.<br><br>The 1946 and 1960 enumerated populations were adjusted for net underenumeration of the population under 5 years of age as reported in University of the West Indies, 1964, tables B.5 and B.6, respectively. The 1970 enumerated population was adjusted for net underenumeration of the population under 5 years of age as reported in Statistical Service, 1978b. |
| April 7, 1960 | 232,327               | 232,820             |  |
| April 7, 1970 | 237,701               | 238,710             |  |

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**BENCHMARK DATA**

|  |         |
|--|---------|
| 1. Enumerated population, census of April 7, 1970..... | 119,934 |
| 2. Adjusted population, census of April 7, 1970.....   | NA      |
| 3. Births per 1,000 population, 1970.....              | 40-42   |
| 4. Deaths per 1,000 population.....                    | NA      |
| 5. Annual rate of growth, 1960-70 (percent).....       | 2.9     |
| 6. Life expectancy at birth.....                       | NA      |
| 7. Infant deaths per 1,000 live births.....            | NA      |

**PROJECTED ESTIMATES**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 152,000 |
| 9. Births per 1,000 population, 1978.....      | 39-42   |
| 10. Deaths per 1,000 population, 1978.....     | 10-15   |
| 11. Annual rate of growth, 1978 (percent)..... | 2.4-2.9 |

**NOTES:**

1. Final census figure, excluding 736 institutionalized persons and 266 tourists (University of the West Indies, 1973, table A).
2. The 1970 census has not been evaluated for possible coverage error.
3. Range of variation based on data from the 1970 census (University of the West Indies, 1976b, table 1, p. 95). The upper bound is an estimate derived at the U.S. Bureau of the Census based on an application of the Mortara fertility technique to the census data. The lower bound is an estimate derived at the U.S. Bureau of the Census based on an application of the Brass fertility technique (average of  $P_2/F_2$  and  $P_3/F_3$  ratios) to children-ever-born data from the census, and 1969 and 1970 registered births (*UNDY 1975*, table 23).
4. Data not available. A crude death rate of 15-16 per 1,000 population can be estimated for the 1960-70 intercensal period based on the intercensal growth rate (2.9 percent) and an estimate of the intercensal birth rate (43 to 45 per 1,000 population) assuming constant fertility during the intercensal period.
5. Intercensal growth rate based on the 1960 and 1970 unadjusted census populations.
- 6-7. Data not available.
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trends in fertility since 1970.
10. Projected range of variation based on selected combinations of the range in crude birth rates and growth rates for 1978 (see notes 9 and 11).
11. Projected based on the intercensal growth rate for the upper bound and the trend in registered births and deaths for the lower bound.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 66         | <b>PROJECTED ESTIMATES</b> |            | 1950-55 | 3.1                        |
| 1955 | 77         |                            |            | 1955-60 | 3.6                        |
| 1960 | 92         | 1970                       | 122        | 1960-65 | 3.0                        |
| 1961 | 95         | 1971                       | 125        | 1965-70 | 2.6                        |
| 1962 | 98         | 1972                       | 128        | 1970-75 | 2.4                        |
| 1963 | 101        | 1973                       | 131        | 1975-79 | 2.4                        |
| 1964 | 104        | 1974                       | 134        |         |                            |
| 1965 | 107        | 1975                       | 138        |         |                            |
| 1966 | 110        | 1976                       | 141        |         |                            |
| 1967 | 113        | 1977                       | 145        |         |                            |
| 1968 | 116        | 1978                       | 148        |         |                            |
| 1969 | 119        | 1979                       | 152        |         |                            |

**NOTES:** 1950-59—Based on the adjusted 1946 and 1960 censuses and reported births, deaths, and migrants (University of the West Indies, 1964, table C.5).

1960-70—Based on the adjusted 1960 and the inflated 1970 censuses, and the trend in registered births and deaths for the period.

1971-79—Projected based on the inflated 1970 census, assuming a continuation of the estimated 1969-70 growth rate. Registered births and deaths for 1970-73 indicate no significant change in fertility or mortality.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 9, 1946 | 59,621                | 59,840              | Enumerated populations for 1946 and 1960 as reported in <i>UNDY 1970</i> , table 7, and for 1970 as reported in University of the West Indies, 1973, table A. |
| April 7, 1960 | 90,121                | 91,220              |   |
| April 7, 1970 | 119,934               | 121,000             |   |

The adjusted 1946 and 1960 censuses as reported in University of the West Indies, 1964, table C.5; and *UNDY 1970*, table 7, respectively. The 1970 census population was inflated at the U.S. Bureau of the Census using the ratio of the 1960 adjusted to reported censuses.

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Central Planning Unit. [1975.] *Abstract of Statistics, 1970-1972*, vol. 1. Belmopan.

University of the West Indies. Census Research Programme. 1964. *Estimates of Intercensal Population by Age and Sex and Revised Vital Rates for British Caribbean Countries, 1946-1960*, publication no. 8. Kingston, Jamaica.

\_\_\_\_\_. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of September 29, 1976..... | 4,647,816 |
| 2. Adjusted population, census of September 29, 1976.....   | 4,853,000 |
| 3. Births per 1,000 population, 1976.....                   | 44-46     |
| 4. Deaths per 1,000 population, 1976.....                   | 20        |
| 5. Annual rate of growth, 1976 (percent).....               | 2.2-2.5   |
| 6. Life expectancy at birth, 1975.....                      | 47        |
| 7. Infant deaths per 1,000 live births, 1975.....           | 168       |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 5,213,000 |
| 9. Births per 1,000 population, 1978.....      | 43-45     |
| 10. Deaths per 1,000 population, 1978.....     | 19        |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3-2.5   |

## NOTES:

1. Preliminary census figure (Instituto Nacional de Estadística, 1977, table 1).
2. Census population (3.3 percent sample tabulation) adjusted at the U.S. Bureau of the Census for 4.2 percent net underenumeration. Preliminary results from the 1976 post enumeration survey indicate a net underenumeration of 7 to 8 percent (Instituto Nacional de Estadística, 1979).
3. Lower bound of the range is based on estimated 1964-73 age-specific fertility rates derived from an application of the own-children method to data from a sample of the 1976 census (Soliz and Bartlema, 1979, graph 5). The 1964-73 rates were assumed to be constant through 1976. Upper bound of the range is based on 1976 estimated age-specific fertility rates derived from an application of the Brass fertility technique (an average of the  $P_2/F_2$  and  $P_3/F_3$  ratios) to data from the 1976 census. The rates were applied to an estimated 1976 midyear population.
4. Estimated at the U.S. Bureau of the Census based on age-sex-specific mortality rates from a 1975 life table (see note 6-7) and estimated 1976 midyear population, by age and sex. The 1975 mortality rates were assumed to remain constant through 1976.
5. Difference between unrounded crude birth and death rates and an estimated net emigration rate of 1.0 per 1,000 population (Instituto Nacional de Estadística, and U.N., 1976, p. 44).
- 6-7. Derived from estimated life tables as reported in Soliz and Bartlema, 1979, table F. Life tables were generated from age-sex-specific central death rates, adjusted by the logit technique, taking into consideration results from child survivorship, orphanhood, and widowhood techniques applied to data from 1975 National Demographic Survey and the 1976 census.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1976 (Soliz and Bartlema, 1979, pp. 8 and 13) which take into consideration projected rates as reported in U.N., 1978.
11. Range of variation given selected combinations of unrounded crude birth, death, and net emigration rates (42.5, 19.1, 1.0; and 44.9, 18.9, and 1.0 per 1,000 population, respectively).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,814      | 1970                       | 4,140      | 1950-55 | 1.7                        |
| 1955 | 3,070      | 1971                       | 4,242      | 1955-60 | 1.8                        |
| 1960 | 3,366      | 1972                       | 4,350      | 1960-65 | 1.9                        |
| 1961 | 3,430      | 1973                       | 4,460      | 1965-70 | 2.2                        |
| 1962 | 3,497      | 1974                       | 4,576      | 1970-75 | 2.5                        |
| 1963 | 3,565      | 1975                       | 4,697      | 1975-79 | 2.6                        |
| 1964 | 3,636      | 1976                       | 4,822      |         |                            |
| 1965 | 3,708      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1966 | 3,783      | 1977                       | 4,950      |         |                            |
| 1967 | 3,864      |                            |            |         |                            |
| 1968 | 3,950      | 1978                       | 5,080      |         |                            |
| 1969 | 4,042      | 1979                       | 5,213      |         |                            |

**NOTES:** 1950-76—Based on the inflated 1950 and adjusted 1976 censuses and estimated fertility, mortality, and migration trends since 1950.

1977-79—Projected based on assumed trends in fertility, mortality, and migration which take into consideration results from the 1975 National Demographic Survey, the 1976 census, and projected rates as reported in U.N., 1978.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source  |
|--------------------|-----------------------|---------------------|---|
| September 5, 1950  | 2,704,165             | 2,823,000           | The 1950 and 1976 enumerated populations as reported in <i>PVSR October 1976</i> and <i>PVSR October 1979</i> , respectively.   |
| September 29, 1976 | 4,647,816             | 4,853,000           |   |
|                    |                       |                     | The 1976 enumerated population (3.3 percent sample tabulation) was adjusted at the U.S. Bureau of the Census for 4.2 percent net underenumeration. The 1950 census was inflated for the same percent net underenumeration as in 1976. |

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Soliz, A. and J. Bartlema. 1979. *Report on Bolivia*. Unpublished paper prepared for the National Academy of Sciences Committee on Population and Demography, Panel for Latin America; and the United Nations, CELADE.

United Nations. CELADE. 1978. Unpublished computer printouts.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of September 1, 1970..... | 93,139,037 |
| 2. Adjusted population, census of September 1, 1970.....   | 96,137,000 |
| 3. Births per 1,000 population, 1976-77.....               | 31-33      |
| 4. Deaths per 1,000 population, 1974-75.....               | 9          |
| 5. Annual rate of growth, 1974-75 (percent).....           | 2.4-2.5    |
| 6. Life expectancy at birth, 1974-75.....                  | 60         |
| 7. Infant deaths per 1,000 live births, 1974-75.....       | 84         |

## PROJECTED ESTIMATES

|  |             |
|--|-------------|
| 8. Population, July 1, 1979.....               | 119,175,000 |
| 9. Births per 1,000 population, 1978.....      | 31-33       |
| 10. Deaths per 1,000 population, 1978.....     | 8-9         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.2-2.4     |

## NOTES:

1. Final census (Departamento de Censos, 1973, table 1). Population is de jure.
2. Census population adjusted for 3.1 percent net underenumeration (U.S. Bureau of the Census, 1980).
3. Range of variation estimated at the U.S. Bureau of the Census (1980) based on age-specific fertility rates derived by averaging the results from an application of the Brass fertility technique to data from the 1976 and 1977 National Household Sample Surveys (IBGE, 1978; and 1979), and estimated January 1977 populations.
4. Based on 1974-75 estimated life table central death rates and an estimated January 1975 population, by age and sex. Life tables were derived at the U.S. Bureau of the Census (1980).
5. Range of variation given selected combinations of unrounded crude birth and death rates for 1974-75 (33.5 and 9.3 per 1,000 population and 34.5 and 9.4 per 1,000 population, respectively).
6. Calculated from the 1974-75 life tables (U.S. Bureau of the Census, 1980), based on registered deaths for 1974-75 (IBGE, 1977, tables C a.1 and C b.1) adjusted for 21 percent underregistration at the U.S. Bureau of the Census (1980).
7. Based on an application of the Brass, Sullivan and Trussell mortality techniques to data from the 1976 National Household Sample Survey (IBGE, 1978, table 12).
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trend of fertility since 1976-77 which takes into consideration results from the 1976 and 1977 National Household Sample Surveys (IBGE, 1978; and 1979).
10. Projected range of variation based on assumed trend of mortality since 1974-75 which takes into consideration past trends.
11. Range of variation given selected combinations of unrounded crude birth and death rates (30.5 and 8.4 per 1,000 population and 32.9 and 8.6 per 1,000 population, respectively).



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- \_\_\_\_\_. 1977a. *Registro Civil do Brasil 1974 e 1975 Apurações Preliminares*. Rio de Janeiro.
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- \_\_\_\_\_. 1979. *Pesquisa Nacional por Amostra de Domicílios - 1977*. Unpublished.
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- \_\_\_\_\_. no date b. *Pesquisa Nacional por Amostra de Domicílios - 1973*. Unpublished.
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## BENCHMARK DATA

|  |       |
|--|-------|
| 1. Enumerated population, census of April 7, 1970..... | 9,825 |
| 2. Adjusted population, census of April 7, 1970.....   | NA    |
| 3. Births per 1,000 population, 1975.....              | 19    |
| 4. Deaths per 1,000 population, 1975.....              | 6     |
| 5. Annual rate of growth, 1975 (percent).....          | 1.8   |
| 6. Life expectancy at birth, 1968-72.....              | 70    |
| 7. Infant deaths per 1,000 live births, 1968-72.....   | 38    |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 12,300  |
| 9. Births per 1,000 population, 1978.....      | 16-19   |
| 10. Deaths per 1,000 population, 1978.....     | 6       |
| 11. Annual rate of growth, 1978 (percent)..... | 1.6-1.8 |

## NOTES:

1. Final census figure as reported in University of the West Indies, 1973, table A.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered births and deaths (*PVSR October 1979*) and estimated midyear population.
5. Based on the difference between the unrounded crude birth and death rates (18.7 and 5.7 per 1,000 population, respectively), and an estimated net immigration rate of 5 per 1,000 population. Net immigration was estimated based on implied intercensal migration and assumed trends in net migration which take into consideration official arrival and departure data (*UNDY 1977*, tables 26 and 27).
6. Derived from a life table for both sexes estimated at the U.S. Bureau of the Census based on registered deaths by broad age groups (*UNDY 1974*, table 25).
7. Based on registered infant deaths (*UNDY 1974*, table 25) and adjusted registered births. Births were adjusted at the U.S. Bureau of the Census to correspond to registered infant deaths using estimated birth separation factors.
8. See notes for Midyear Population Estimates.
- 9-10. Projected based on assumed trends in fertility and mortality since 1975.
11. Projected based on selected combinations of unrounded crude birth and death rates and net immigration rates (16.4, 5.2, and 4.8 per 1,000 population and 18.7, 5.6, and 4.8 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 6.2        | 1970                       | 9.9        | 1950-55 | 1.1                        |
| 1955 | 6.6        | 1971                       | 10.3       | 1955-60 | 2.2                        |
| 1960 | 7.4        | 1972                       | 10.7       | 1960-65 | 2.6                        |
| 1961 | 7.6        | 1973                       | 11.0       | 1965-70 | 3.3                        |
| 1962 | 7.8        | 1974                       | 11.3       | 1970-75 | 2.9                        |
| 1963 | 8.0        | 1975                       | 11.5       | 1975-79 | 1.6                        |
| 1964 | 8.2        | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 8.4        | 1976                       | 11.7       |         |                            |
| 1966 | 8.7        | 1977                       | 11.9       |         |                            |
| 1967 | 8.9        |                            |            |         |                            |
| 1968 | 9.2        | 1978                       | 12.1       |         |                            |
| 1969 | 9.6        | 1979                       | 12.3       |         |                            |

**NOTES:** 1950-75—Based on the 1946, 1960, and 1970 censuses, reported births and deaths (*UNDY 1957*, table 7; *1965*, table 11; *1966*, table 16; *1969*, table 11; *1974*, table 24; *1975*, tables 12 and 20; *PVSR July 1977*; and U.N., Statistical Office, 1977), and implied net migration. Net migration is implied by the residual between the 1946-60 and 1960-70 intercensal growth and natural increase for the two intercensal periods and by official arrival and departure data (*UNDY 1977*, tables 26 and 27).

1976-79—Projected based on assumed trends in fertility, mortality, and migration since 1975.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 9, 1946 | 6,505                 |                     | Enumerated populations for 1946 and 1960 as reported in <i>UNDY 1970</i> , table 7, and for 1970 as reported in University of the West Indies, 1973, table A. |
| April 7, 1960 | 7,340                 |                     |   |
| April 7, 1970 | 9,825                 |                     |   |

**MAJOR SOURCES**

United Nations. Statistical Office. 1977. Personal communication.

University of the West Indies. Census Research Programme. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

## BENCHMARK DATA

|  |        |
|--|--------|
| 1. Enumerated population, census of October 8, 1979..... | 16,677 |
| 2. Adjusted population, census of October 8, 1979.....   | NA     |
| 3. Births per 1,000 population, 1978.....                | 16     |
| 4. Deaths per 1,000 population, 1978.....                | 3      |
| 5. Annual rate of growth, 1978 (percent).....            | 3.9    |
| 6. Life expectancy at birth.....                         | NA     |
| 7. Infant deaths per 1,000 live births, 1974.....        | 18     |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 16,500 |
| 9. Births per 1,000 population, 1978.....      | 16     |
| 10. Deaths per 1,000 population, 1978.....     | 3      |
| 11. Annual rate of growth, 1978 (percent)..... | 3.9    |

## NOTES:

1. Final census figure as reported by Office of the Principal Secretary, 1980.
2. The 1979 census has not been evaluated for possible coverage error.
- 3-4. Based on registered data (Office of the Principal Secretary, 1980) and estimated midyear population.
5. Based on the difference between unrounded crude birth and death rates, and an estimated net immigration rate of 27.0 per 1,000 population which takes into consideration implied migration for the 1970-79 intercensal period and reported natural increase during the period.
6. Data not available.
7. Based on registered data for 1974 (*PVSR October 1979*; and *UNDY 1977*, table 18).
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 6.3        | 1969 | 10.0       | 1950-55 | 2.0                        |
| 1955 | 7.0        | 1970 | 10.6       | 1955-60 | 1.9                        |
| 1960 | 7.7        | 1971 | 11.3       | 1960-65 | 2.3                        |
| 1961 | 7.8        | 1972 | 12.0       | 1965-70 | 4.2                        |
| 1962 | 8.0        | 1973 | 12.7       | 1970-75 | 5.5                        |
| 1963 | 8.2        | 1974 | 13.3       | 1975-79 | 4.2                        |
| 1964 | 8.4        | 1975 | 14.0       |         |                            |
| 1965 | 8.6        | 1976 | 14.6       |         |                            |
| 1966 | 8.8        | 1977 | 15.3       |         |                            |
| 1967 | 9.1        | 1978 | 15.9       |         |                            |
| 1968 | 9.5        | 1979 | 16.5       |         |                            |

**NOTES:** 1950-79—Based on the 1943 de jure census deflated to represent a de facto figure; the 1960, 1970, and 1979 de facto censuses; registered births and deaths (*UNDY 1954*, table 8; *1957*, table 7; *1958*, table 7; *1966*, table 16; *1969*, table 11; *1974*, table 24; *1975*, tables 12 and 20; *1977*, tables 9 and 18; *PVSR October 1979*; and Office of the Principal Secretary, 1980); and implied net migration. Net migration is implied by the residual between the 1943-60, 1960-70, and 1970-79 intercensal growth and registered natural increase for the three intercensal periods.

The following censuses were used in deriving the population time series:

| Census date                                 | Enumerated population | Adjusted population | Source  |
|---|-----------------------|---------------------|---|
| January 4, 1943<br>de jure<br>est. de facto | 6,670<br>6,000        |                     | The 1943 de jure, and the 1960 de facto and de jure populations as reported in <i>UNDY 1970</i> , table 7; the 1970 de facto population as reported in University of the West Indies, 1973, table A; and the 1979 de facto population as reported by Office of the Principal Secretary, 1980. The 1943 de jure population was deflated at the U.S. Bureau of the Census to represent a de facto figure using the ratio of the enumerated 1960 de jure to de facto censuses. |
| April 7, 1960<br>de jure<br>de facto        | 8,511<br>7,622        |                     |   |
| April 7, 1970<br>de facto                   | 10,460                |                     |   |
| October 8, 1979<br>de facto                 | 16,677                |                     |   |

**MAJOR SOURCES**

Office of the Principal Secretary. 1980. Personal communication.

United Nations. Statistical Office. 1977. Personal communication.

University of the West Indies. Census Research Programme. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of April 22, 1970..... | 8,884,768 |
| 2. Adjusted population, census of April 22, 1970.....   | 9,336,000 |
| 3. Births per 1,000 population, 1975.....               | 24        |
| 4. Deaths per 1,000 population, 1975.....               | 7         |
| 5. Annual rate of growth, 1975 (percent).....           | 1.6       |
| 6. Life expectancy at birth, 1969-70.....               | 62        |
| 7. Infant deaths per 1,000 live births, 1975.....       | 61        |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 10,848,000 |
| 9. Births per 1,000 population, 1978.....      | 21-23      |
| 10. Deaths per 1,000 population, 1978.....     | 7          |
| 11. Annual rate of growth, 1978 (percent)..... | 1.4-1.8    |

## NOTES:

1. Final census figure (INE, 1977, table 3).
2. Estimate for the census date based on official adjusted midyear population estimates for 1969 and 1970 (ODEPLAN, 1975, p. 25), which implies 4.8 percent net underenumeration.
- 3-4. Based on registered births and deaths adjusted for 5 percent and 2 percent under-registration, respectively, and adjusted midyear population (U.S. Bureau of the Census, 1978).
5. Difference between unrounded crude birth and death rates and a net emigration rate of 0.5 per 1,000 population (U.S. Bureau of the Census, 1978).
6. Derived from empirical life table for both sexes (U.N., 1976, p. 35).
7. Based on registered infant deaths and births, both adjusted for 5 percent under-registration (U.S. Bureau of the Census, 1978).
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trend of fertility since 1975.
10. Projected based on assumed trend of mortality since 1975.
11. Range of variation given selected combinations of unrounded crude birth and death rates and net emigration rates (21.4, 6.9, and 0.3 per 1,000 population and 22.7, 6.9, and 0.2 per 1,000 population, respectively).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 6,091      | 1970                       | 9,369      | 1950-55 | 2.0                        |
| 1955 | 6,743      | 1971                       | 9,533      | 1955-60 | 2.4                        |
| 1960 | 7,585      | 1972                       | 9,703      | 1960-65 | 2.3                        |
| 1961 | 7,773      | 1973                       | 9,875      | 1965-70 | 1.9                        |
| 1962 | 7,961      | 1974                       | 10,047     | 1970-75 | 1.7                        |
| 1963 | 8,147      | 1975                       | 10,214     | 1975-79 | 1.5                        |
| 1964 | 8,330      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 8,510      | 1976                       | 10,375     |         |                            |
| 1966 | 8,686      | 1977                       | 10,531     |         |                            |
| 1967 | 8,859      |                            |            |         |                            |
| 1968 | 9,030      | 1978                       | 10,689     |         |                            |
| 1969 | 9,199      | 1979                       | 10,848     |         |                            |

**NOTES:** 1950-70—Official estimates (ODEPLAN, 1975, p. 25) based on results of the 1952, 1960, and 1970 adjusted censuses, adjusted births and deaths, and estimated migrants.

1971-75—Estimated at the U.S. Bureau of the Census (1978) based on the 1970 adjusted mid-year population, adjusted births and deaths, and official estimates of net emigration (ODEPLAN, 1975, p. 18).

1976-79—Projected at the U.S. Bureau of the Census by the component method based on the 1975 adjusted midyear population (U.S. Bureau of the Census, 1978), and assumed trends in fertility, mortality, and migration since 1975.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| April 24, 1952    | 5,932,995             | 6,354,000           | The 1952 and 1960 enumerated populations as reported in <i>UNDY 1970</i> , table 7; and 1970 enumerated population as reported in <i>INE</i> , 1977, table 1. |
| November 29, 1960 | 7,374,115             | 7,663,000           |   |
| April 22, 1970    | 8,884,768             | 9,336,000           |   |

The adjusted populations for 1952, 1960, and 1970 are implied by official midyear population estimates based on the respective censuses adjusted by ODEPLAN (1975, p. 25), resulting in an implied net underenumeration of 6.6 percent, 3.8 percent, and 4.8 percent, respectively.

**MAJOR SOURCES**

- Instituto Nacional de Estadísticas (INE). 1977. *Población, Resultados Definitivos del XIV Censo de Población 1970. Total País*. Santiago.
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- United Nations. CELADE. 1976. *Chile: Tablas Abreviadas de Mortalidad a Nivel Nacional y Regional, 1969-1970, series A, no. 141*. Santiago.
- U.S. Bureau of the Census. 1978. *Country Demographic Profiles—Chile*. Washington, D.C.

## BENCHMARK DATA

|   |                       |
|---|-----------------------|
| 1. Enumerated population, census of October 24, 1973..... | 21,055,665-21,237,876 |
| 2. Adjusted population, census of October 24, 1973.....   | 23,228,000            |
| 3. Births per 1,000 population, 1978.....                 | 31                    |
| 4. Deaths per 1,000 population, 1973.....                 | 9                     |
| 5. Annual rate of growth, 1973 (percent).....             | 2.2                   |
| 6. Life expectancy at birth, 1973.....                    | 59                    |
| 7. Infant deaths per 1,000 live births, 1973.....         | 77                    |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 26,205,000 |
| 9. Births per 1,000 population, 1978.....      | 31         |
| 10. Deaths per 1,000 population, 1978.....     | 8          |
| 11. Annual rate of growth, 1978 (percent)..... | 2.1        |

## NOTES:

1. Census population as reported in DANE, 1977b, p. 9; and Potter and Ordóñez, 1976, p. 378. The range is based on 20,503,966 persons in the Departments (excluding an initial adjustment of 322,932 persons in Bogotá), 485,070-533,910 persons in the National Territories, and 66,629-200,000 persons in the armed forces (excluding police). DANE considers the lower bound of the range to be the more accurate.
2. Census population (low total census figure given in item 1) adjusted for 9.4 percent net underenumeration (U.S. Bureau of the Census, 1979).
3. Estimated at the U.S. Bureau of the Census (1979) based on age-specific fertility rates derived considering information from the 1978 National Household Survey (DANE, 1978, p. 10) and the 1978 National Prevalence Survey (unpublished), and projected midyear population, by age and sex.
4. Based on 1973 life table central death rates and midyear population, by age and sex, estimated at the U.S. Bureau of the Census (1979).
5. Difference between unrounded crude birth and death rates (34.2 and 9.5 per 1,000 population, respectively) and a net emigration rate of 2.6 per 1,000 population estimated at the U.S. Bureau of the Census (1979). The 1973 crude birth rate was derived from 1973 age-specific fertility rates based on data from the 1976 Colombia National Fertility Survey (CCRP and DANE, 1978, p. 45) and estimated midyear 1973 population, by age and sex. Net emigration for 1973 was derived using net migration estimates for the 1963-73 period made by Arbeláez (DANE, 1977a); arrival and departure data for Venezuela for each year, 1963 to 1974; and immigration data for the United States for each year, 1963 to 1975.
6. Calculated from life expectancy at birth, by sex, estimated by Bayona (1977, pp. 107-108) using 1973 census data.
7. Estimated at the U.S. Bureau of the Census (1979) by applying the Trussell mortality technique to data from the 1976 Colombia National Fertility Survey.
8. See notes for Midyear Population Estimates.
9. See note 3.
10. Projected based on assumed trend in mortality since 1973 (U.S. Bureau of the Census, 1979).
11. Based on the difference between unrounded crude birth and death rates (31.3 and 8.3 per 1,000 population, respectively) and a net emigration rate of 2.5 per 1,000 population.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 11,592     | 1970                       | 21,430     | 1950-55 | 3.2                        |
| 1955 | 13,588     | 1971                       | 21,993     | 1955-60 | 3.2                        |
| 1960 | 15,953     | 1972                       | 22,543     | 1960-65 | 3.1                        |
| 1961 | 16,476     | 1973                       | 23,069     | 1965-70 | 2.8                        |
| 1962 | 17,010     |                            |            | 1970-75 | 2.3                        |
|      |            | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 2.1                        |
| 1963 | 17,546     | 1974                       | 23,576     |         |                            |
| 1964 | 18,090     | 1975                       | 24,092     |         |                            |
| 1965 | 18,646     | 1976                       | 24,618     |         |                            |
| 1966 | 19,202     | 1977                       | 25,146     |         |                            |
| 1967 | 19,764     |                            |            |         |                            |
| 1968 | 20,322     | 1978                       | 25,673     |         |                            |
| 1969 | 20,869     | 1979                       | 26,205     |         |                            |

**NOTES:** 1950-64—Based on the 1951 and 1964 adjusted censuses, and estimated fertility, mortality, and migration trends.

1965-79—Projected by the component method based on the 1964 adjusted census (U.N., 1968, p. 22). Fertility trends during the period were based on results from the 1969 National Fertility Survey (Elkins, 1973, p. 31) and the 1976 Colombia National Fertility Survey (CCRP and DANE, 1978, p. 45). Mortality trends were based on 1964 and 1973 life tables estimated at the U.S. Bureau of the Census (1979). Trends in migration were derived using net migration estimates for the 1963-73 period made by Arbeláez (DANE, 1977a) and arrival and departure data for Venezuela for each year, 1963 to 1974, and immigration data for the United States for each year, 1963 to 1975.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source   |
|---------------|-----------------------|---------------------|--|
| May 9, 1951   | 11,548,172            | 11,910,000          | Enumerated populations as reported in DANE, no date, table 1; and 1967, table 1. |
| July 15, 1964 | 17,484,508            | 18,090,000          |  |

The 1951 adjusted census population was derived at the U.S. Bureau of the Census by moving the adjusted midyear 1951 population by Arévalo (U.N., 1968, p. 55) to the census date using the growth rate implied by his adjusted mid-year 1951 (11,965,000) and 1964 (18,090,000) populations. The 1964 enumerated population was adjusted by Arévalo (U.N., 1968, p. 22).

## MAJOR SOURCES

- Bayona, Alberto N. 1977. *La Medida de la Mortalidad en Colombia, Mortalidad y Modernización, y Tablas Abreviadas de Mortalidad para el País y sus Secciones en 1964 y 1973*, research series no. 3. Javeriana University. Bogotá.
- Corporación Centro Regional de Población (CCRP) and Departamento Administrativo Nacional de Estadística (DANE). 1978. *Encuesta Nacional de Fecundidad, Colombia 1976. Resultados Generales*. Bogotá.
- Departamento Administrativo Nacional de Estadística (DANE). 1967. *XIII Censo Nacional de Población (15 de Julio de 1964), Resumen General*. Bogotá.
- \_\_\_\_\_. 1975. *XIV Censo Nacional de Población y III de Vivienda, Muestra de Avance, Población*. Bogotá.
- \_\_\_\_\_. 1976a. "Demografía y Sociales: Fecundidad Actual y Retrospectiva en 1973," by División de Demografía. *Boletín Mensual de Estadística*, no. 297-298, Apr.-May. Bogotá.
- \_\_\_\_\_. 1976b. *Evaluación del Subregistro de las Estadísticas de Nacimientos y Defunciones*. Bogotá.
- \_\_\_\_\_. 1977a. "El Exodo de Colombianos en el Período 1963-1973," by Alfonso C. Arbeláez, *Boletín Mensual de Estadística*, no. 310, May. Bogotá.
- \_\_\_\_\_. 1977b. "La Cobertura del Censo de Población de 1973." *Boletín Mensual de Estadística*, no. 308, Mar. Bogotá.
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- \_\_\_\_\_. no date. *Censo de Población de Colombia 1951. Resumen*. Bogotá.
- Elkins, Henry G. 1973. "Cambio de Fecundidad en Colombia." *La Fecundidad en Colombia*, publication no. 5. Encuesta Nacional de Fecundidad. Bogotá.
- Potter, Joseph E. and Myriam G. Ordóñez. 1976. "The Completeness of Enumeration in the 1973 Census of the Population of Colombia." *Population Index*, vol. 42, no. 3, July.
- United Nations. CELADE. 1968. *Colombia: Ajuste del Censo de Población de 1964*, by Jorge Arévalo, series A, no. 89. Santiago.
- U.S. Bureau of the Census. 1979. *Country Demographic Profiles—Colombia*. Forthcoming.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of May 14, 1973..... | 1,871,780 |
| 2. Adjusted population, census of May 14, 1973.....   | 1,879,000 |
| 3. Births per 1,000 population, 1977.....             | 31        |
| 4. Deaths per 1,000 population, 1977.....             | 5         |
| 5. Annual rate of growth, 1977 (percent).....         | 2.7       |
| 6. Life expectancy at birth, 1972-74.....             | 68        |
| 7. Infant deaths per 1,000 live births, 1977.....     | 28        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 2,184,000 |
| 9. Births per 1,000 population, 1978.....      | 30-32     |
| 10. Deaths per 1,000 population, 1978.....     | 5         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.5-2.6   |

## NOTES:

- Final census figure (Dirección General de Estadística y Censos, 1974, table 1). Population is de jure.
- Census population adjusted for 0.4 percent net underenumeration (U.S. Bureau of the Census, 1977).
- 3-4. Registered rates as reported in *PVSR October 1979*.
- Difference between unrounded crude birth and death rates.
- Derived from 1972-74 empirical life tables calculated at the U.S. Bureau of the Census (1977). Similar life expectancies for this period were calculated by Dirección General de Estadística (1976) and Ortega and Rodríguez (1979).
- Based on registered births and infant deaths as reported in *PVSR October 1979*.
- See notes for Midyear Population Estimates.
- 9-10. Projected based on assumed trends in fertility and mortality since 1977.
11. Range of variation given selected combinations of unrounded crude birth and death rates (30.3 and 5.4 per 1,000 population, and 31.6 and 5.5 per 1,000 population, respectively).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 867        | 1970                       | 1,736      | 1950-55 | 3.5                        |
| 1955 | 1,032      | 1971                       | 1,786      | 1955-60 | 3.8                        |
| 1960 | 1,248      | 1972                       | 1,835      | 1960-65 | 3.5                        |
| 1961 | 1,297      | 1973                       | 1,886      | 1965-70 | 3.1                        |
| 1962 | 1,345      | 1974                       | 1,931      | 1970-75 | 2.6                        |
| 1963 | 1,393      | 1975                       | 1,978      | 1975-79 | 2.5                        |
| 1964 | 1,440      | 1976                       | 2,026      |         |                            |
| 1965 | 1,488      | 1977                       | 2,077      |         |                            |
| 1966 | 1,538      |                            |            |         |                            |
| 1967 | 1,589      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 1,638      | 1978                       | 2,129      |         |                            |
| 1969 | 1,687      | 1979                       | 2,184      |         |                            |

**NOTES:** 1950-77—Based on the adjusted 1963 and 1973 censuses, adjusted births and deaths, and estimated net migration for each year, 1950-77.

1978-79—Based on the estimated 1977 midyear population and assumed trends in fertility and mortality since 1977.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 1, 1963 | 1,336,274             | 1,381,000           | Enumerated de jure population for 1963 as reported in <i>UNDY 1970</i> , table 7; and for 1973 as reported in Dirección General de Estadística y Censos, 1974, table 1. |
| May 14, 1973  | 1,871,780             | 1,879,000           |   |

The adjusted 1963 census figure reported by Jiménez (Dirección General de Estadística y Censos, 1967) was inflated slightly at the U.S. Bureau of the Census to include the foreign-born population under age 10. The 1973 census was adjusted at the U.S. Bureau of the Census (1977) for 0.4 percent net underenumeration.

## MAJOR SOURCES

Dirección General de Estadística y Censos. 1967. *Revista de Estudios y Estadísticas*, demographic series no. 5, *Proyección de la Población de Costa Rica por Sexo y Grupos de Edad, 1965-1990*, by Ricardo Jiménez. San José.

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\_\_\_\_\_. 1977. *Estadística Vital—1975*, no. 42. San José.

\_\_\_\_\_ and United Nations, CELADE. 1976. *Tablas de Vida de Costa Rica 1972-74*. San José.

Ortega, A. and V. Rodríguez. 1979. *Estimación de la Fecundidad y la Mortalidad de Costa Rica Mediante Nuevos Métodos Demográficos*. 7° Seminario Nacional de Demografía, San José, 22 al 24 agosto de 1979. Committee on Population and Demography of the National Academy of Sciences, Latin America Panel.

U.S. Bureau of the Census. 1977. *Country Demographic Profiles—Costa Rica*. Washington, D.C.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of September 6, 1970..... | 8,569,121 |
| 2. Adjusted population, census of September 6, 1970.....   | NA        |
| 3. Births per 1,000 population, 1977.....                  | 18        |
| 4. Deaths per 1,000 population, 1977.....                  | 6         |
| 5. Annual rate of growth, 1977 (percent).....              | 1.2       |
| 6. Life expectancy at birth, 1970.....                     | 70        |
| 7. Infant deaths per 1,000 live births, 1977.....          | 25        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 9,824,000 |
| 9. Births per 1,000 population, 1978.....      | 18        |
| 10. Deaths per 1,000 population, 1978.....     | 6         |
| 11. Annual rate of growth, 1978 (percent)..... | 1.2       |

## NOTES:

1. Final census figure as reported in Comité Estatal de Estadísticas, 1975, p. 26.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Registered vital rates (Ministerio de Salud Pública, 1977, tables 1 and 4), adjusted by FDAD.
5. Difference between crude birth and death rates.
6. Reported in CMEA, 1978, table 6.
7. Reported in Ministerio de Salud Pública, 1977, table 4.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming no significant change in the 1977 growth rate.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 5,785      | 1970                       | 8,551      | 1950-55 | 2.0                        |
| 1955 | 6,381      | 1971                       | 8,692      | 1955-60 | 1.9                        |
| 1960 | 7,027      | 1972                       | 8,862      | 1960-65 | 2.1                        |
| 1961 | 7,134      | 1973                       | 9,036      | 1965-70 | 1.8                        |
| 1962 | 7,254      | 1974                       | 9,194      | 1970-75 | 1.7                        |
| 1963 | 7,415      | 1975                       | 9,332      | 1975-79 | 1.3                        |
| 1964 | 7,612      | 1976                       | 9,464      |         |                            |
| 1965 | 7,810      | 1977                       | 9,597      |         |                            |
| 1966 | 7,985      |                            |            |         |                            |
| 1967 | 8,139      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 8,284      | 1978                       | 9,707      |         |                            |
| 1969 | 8,421      | 1979                       | 9,824      |         |                            |

**NOTES:** 1950—Estimated by FDAD based on an official estimate for midyear 1953 reported in Junta Central de Planificación, 1974, p. 26, and the net change for 1950-53 implied by U.N. estimates.

1955—Estimated by FDAD based on official Dec. 31 estimates for 1954 and 1955 reported in Comité Estatal de Estadísticas, 1975, p. 26.

1960-75—Reported in Comité Estatal de Estadísticas, 1975, p. 30.

1976-77—Reported in Ministerio de Salud Pública, 1977, table 1.

1978-79—Projected by FDAD based on the assumptions that fertility and mortality declined slightly from the estimated 1977 levels and that net migration was negligible.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| January 28, 1953  | 5,829,029             |                     | Final census figures for 1953 and 1970 as reported in Comité Estatal de Estadísticas, 1975, p. 26. |
| September 6, 1970 | 8,569,121             |                     |  |

#### MAJOR SOURCES

Comité Estatal de Estadísticas. 1975. *Anuario Estadístico de Cuba 1975*. Havana.

Council for Mutual Economic Aid (CMEA). Secretariat. 1979. *Statistical Yearbook of the Member Countries of the Council for Mutual Economic Aid 1978* (in Russian). Moscow.

Junta Central de Planificación. Dirección Central de Estadística. 1974. *Anuario Estadístico de Cuba 1974*. Havana.

Ministerio de Salud Pública. 1977. *Informe Anual 1977*. Havana.

## BENCHMARK DATA

|  |        |
|--|--------|
| 1. Enumerated population, census of April 7, 1970..... | 70,513 |
| 2. Adjusted population, census of April 7, 1970.....   | NA     |
| 3. Births per 1,000 population, 1978.....              | 22     |
| 4. Deaths per 1,000 population, 1978.....              | 6      |
| 5. Annual rate of growth, 1978 (percent).....          | 0.7    |
| 6. Life expectancy at birth, 1958-62.....              | 58     |
| 7. Infant deaths per 1,000 live births, 1978.....      | 20     |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 78,100 |
| 9. Births per 1,000 population, 1978.....      | 22     |
| 10. Deaths per 1,000 population, 1978.....     | 6      |
| 11. Annual rate of growth, 1978 (percent)..... | 0.7    |

## NOTES:

1. Final census figure as reported in University of the West Indies, 1973, table A.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered data as reported in *PVSR October 1979* and estimated midyear population. Data are tabulated by year of registration rather than occurrence.
5. Difference between unrounded crude birth and death rates and an estimated net emigration rate of 9.7 per 1,000 population. Net emigration is based on official projected estimates (Wood, 1978, table 1), which take into consideration recorded trends in emigration to Canada, United Kingdom, and the United States; permanent immigration; and assumed levels of legal and illegal emigration to other countries.
6. Based on official male and female life tables as reported in *UNDY 1975*, table 16, and an assumed sex ratio at birth of 1.05.
7. Registered rate as reported in *PVSR October 1979*. Data are tabulated by year of registration rather than occurrence.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 51.4       | 1970                       | 70.8       | 1950-55 | 2.0                        |
| 1955 | 56.8       | 1971                       | 72.0       | 1955-60 | 1.2                        |
| 1960 | 60.3       | 1972                       | 73.3       | 1960-65 | 1.3                        |
| 1961 | 60.9       | 1973                       | 74.5       | 1965-70 | 1.9                        |
| 1962 | 61.7       | 1974                       | 75.4       | 1970-75 | 1.4                        |
| 1963 | 62.4       | 1975                       | 76.1       | 1975-79 | 0.7                        |
| 1964 | 63.3       | 1976                       | 76.6       |         |                            |
| 1965 | 64.5       | 1977                       | 77.1       |         |                            |
| 1966 | 65.7       | 1978                       | 77.6       |         |                            |
| 1967 | 67.0       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 68.4       | 1979                       | 78.1       |         |                            |
| 1969 | 69.6       |                            |            |         |                            |

**NOTES:** 1950-59—Based on the 1946 and 1960 censuses and reported births, deaths, and migrants from 1950 to April 7, 1960 (University of the West Indies, 1964, table C.9).

1960-78—Based on the 1960 and 1970 censuses and reported births and deaths (*UNDY 1966*, table 16; *1974*, table 24; *1975*, table 20; *PVSR April 1979* and *October 1979*; and Wood, 1978, table 1), and assumed trends in migration which take into consideration implied migration during the 1960-70 intercensal period and official projected estimates after 1970 (Wood, 1978, table 1).

1979—Projected assuming a continuation of the 1978 growth rate.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 9, 1946 | 47,624                |                     | Enumerated populations for 1946 and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in University of the West Indies, 1973, table A. An evaluation of the 1946 and 1960 enumerated populations under 5 years of age by the University of the West Indies (1964, table B.18) determined that there was no net coverage error for this age group in either census. |
| April 7, 1960 | 59,916                |                     |   |
| April 7, 1970 | 70,513                |                     |   |

#### MAJOR SOURCES

University of the West Indies. Census Research Programme. 1964. *Estimates of Intercensal Population by Age and Sex and Revised Vital Rates for British Caribbean Countries: 1946-1960*, publication no. 8. Kingston, Jamaica.

\_\_\_\_\_. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

Wood, David. 1978. *The Manpower Situation in Dominica: 1947-1976*. Unpublished paper prepared for the National Planning Organization.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of January 9-10, 1970..... | 4,009,458 |
| 2. Adjusted population, census of January 9-10, 1970.....   | 4,284,000 |
| 3. Births per 1,000 population, 1974-75.....                | 40        |
| 4. Deaths per 1,000 population, 1965-70.....                | 13        |
| 5. Annual rate of growth, 1965-70 (percent).....            | 3.2       |
| 6. Life expectancy at birth, 1965-70.....                   | 55        |
| 7. Infant deaths per 1,000 live births, 1965-70.....        | 96        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 5,551,000 |
| 9. Births per 1,000 population, 1978.....      | 35-37     |
| 10. Deaths per 1,000 population, 1978.....     | 9         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.4-2.6   |

## NOTES:

1. Final census figure as reported in Oficina Nacional de Estadística, 1976, table 2.
2. Estimate for the census date based on the midyear 1970 population adjusted by García (1974, tables 42 and 43) in an analysis of a 20 percent sample of preliminary census returns, and an estimated growth rate for midyear 1969 to 1970. A net underenumeration of 6.4 percent is implied.
3. Based on 1974-75 age-specific fertility rates estimated by Bartlema (1978, p. 13) derived from an application of the own-children method to data from the National Fertility Survey and the 1975 medium variant female age distribution and total population projected at the U.S. Bureau of the Census.
4. Based on the average number of deaths occurring between 1965 and 1970, and an estimated population for the midpoint of the period. The average number of deaths was calculated from the adjusted 1965 midyear population and number of persons who survived to midyear 1970, and the estimated number of births which occurred during the 1965-70 period who survived to midyear 1970 (García, 1974, tables 42 and 43).
5. Based on adjusted 1965 and 1970 midyear population figures (García, 1974, tables 42 and 43).
6. Estimated by García (1974, table 7), taking into consideration Brass mortality estimates based on a 20 percent sample of 1970 census returns, the 1960-70 intercensal survival ratios, and a Coale-Demeny west region pattern of mortality.
7. Calculated from Coale-Demeny west region model life tables selected based on the survival ratios from birth to 1 year of age estimated by García (1974, tables 8 and 9).
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trends in fertility since 1970 which take into account results by Bartlema (1978) from the application of the own-children method to data from the National Fertility Survey.
10. Projected based on assumed trends in mortality since 1965-70.
11. Projected range of variation given selected combinations of unrounded crude birth, death, and net emigration rates (34.6, 8.7, and 2.2 per 1,000 population, and 36.7, 8.8, and 2.2 per 1,000 population, respectively). Net emigration rates are based on the estimated average annual number of net emigrants from the continuous registration system (Campanario and Segovia, 1978, p. 22; and García, 1974, p. 18).

## DOMINICAN REPUBLIC

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,312      | <b>PROJECTED ESTIMATES</b> |            | 1950-55 | 3.0                        |
| 1955 | 2,685      |                            |            | 1955-60 | 3.3                        |
| 1960 | 3,159      | 1970                       | 4,343      | 1960-65 | 3.2                        |
| 1961 | 3,255      | 1971                       | 4,477      | 1965-70 | 3.2                        |
| 1962 | 3,357      | 1972                       | 4,611      | 1970-75 | 2.9                        |
| 1963 | 3,465      | 1973                       | 4,747      | 1975-79 | 2.6                        |
| 1964 | 3,580      | 1974                       | 4,876      |         |                            |
| 1965 | 3,703      | 1975                       | 5,010      |         |                            |
| 1966 | 3,833      | 1976                       | 5,144      |         |                            |
| 1967 | 3,963      | 1977                       | 5,280      |         |                            |
| 1968 | 4,092      | 1978                       | 5,415      |         |                            |
| 1969 | 4,218      | 1979                       | 5,551      |         |                            |

**NOTES:** 1950-69—Based on adjusted 1950, 1955, 1960, 1965, and 1970 midyear population figures (García, 1974, tables 42, 43, and 44) and estimated trends in fertility, mortality, and migration during the respective 5-year periods.

1970-79—Projected at the U.S. Bureau of the Census by the component method based on the 1970 adjusted midyear population, by age and sex (García, 1974, tables 42 and 43), assumed declines in fertility which take into account own-children estimates based on the National Fertility Survey (Bartlema, 1978, p. 13), assumed declines in mortality (García, 1974), and constant net migration (García, 1974; and Campanario and Segovia, 1978, table 10).

The following censuses were used in deriving the population time series:

| Census date     | Enumerated population | Adjusted population | Source  |
|-----------------|-----------------------|---------------------|---|
| August 6, 1950  | 2,135,872             | 2,318,000           | Enumerated populations for 1950 and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in Oficina Nacional de Estadística, 1976, table 2. |
| August 7, 1960  | 3,047,070             | 3,169,000           |   |
| January 9, 1970 | 4,009,458             | 4,284,000           |   |

The adjusted 1950, 1960, and 1970 censuses are implied by adjusted midyear population figures (García, 1974, tables 42 and 43) and estimated midyear 1950-51, 1960-61, and 1969-70 growth rates, respectively. The 1970 analysis was based on a 20 percent sample of preliminary census returns.

## MAJOR SOURCES

- Bartlema, Johannes. 1978. *La Fecundidad en la República Dominicana 1960-1975, Calculada a Partir de Los Datos de La Encuesta Nacional de Fecundidad*, series A, no. 157. CELADE. Santiago, Chile.
- Campanario, Paulo and María C. Segovia. 1978. *República Dominicana: Proyección de la Población Por Sexo y Grupos de Edades 1950-2000*. CELADE. San José, Costa Rica.
- Consejo Nacional de Población y Familia. 1976. *Encuesta Nacional de Fecundidad: Informe General*. Santo Domingo.
- García, Agustín. 1974. *República Dominicana: Estudio de la Evolución Demográfica en el Período 1950-1970 y Proyecciones de la Población Total, Período 1970-2000*, series A, no. 19. CELADE. San José, Costa Rica.
- Oficina Nacional de Estadística. 1976. *V Censo Nacional de Población, 1970*, vol. 1, segunda edición. Santo Domingo.
- Ramírez, Nelson. 1977. *Análisis de Algunas Diferencias Entre los Datos de la Encuesta Nacional de Fecundidad y los Datos Preliminares de la Encuesta Diagnos*. Unpublished paper.
- United Nations. CELADE. 1978. Unpublished computer printout.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of June 8, 1974..... | 6,521,710 |
| 2. Adjusted population, census of June 8, 1974.....   | 6,686,000 |
| 3. Births per 1,000 population, 1965-70.....          | 44        |
| 4. Deaths per 1,000 population, 1965-70.....          | 14        |
| 5. Annual rate of growth, 1965-70 (percent).....      | 3.0       |
| 6. Life expectancy at birth, 1965-70.....             | 61        |
| 7. Infant deaths per 1,000 live births, 1965-70.....  | 115       |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 7,763,000 |
| 9. Births per 1,000 population, 1978.....      | 41-42     |
| 10. Deaths per 1,000 population, 1978.....     | 10        |
| 11. Annual rate of growth, 1978 (percent)..... | 3.0-3.1   |

## NOTES:

1. Final census figure as reported in OAS, 1977, table 2.
2. Estimate for the census date based on an estimated midyear population for 1974 and an estimated midyear 1973-74 growth rate, which implies 2.5 percent net underenumeration.
3. Estimated by the U.N. (1977) taking into consideration fertility estimates based on the 1974 census using the Brass fertility technique, the own-children method, and rejuvenation of children under age 15.
4. Estimated by the U.N. (1977), taking into consideration results of the logit technique using 1962 and 1974 census data, the child survivorship technique based on 1974 census data, and an evaluation of registered deaths in relation to the age structure of the population.
5. Based on unrounded crude birth and death rates (44.2 and 13.8 per 1,000 population, respectively) estimated by the U.N. (1977) and an estimated net migration rate of 0.8 per 1,000 population (U.N., 1977). Estimated migration is based on the difference between the adjusted 1974 census and a projected population from the 1962 census which is comparable to the number of Ecuadorians found in the censuses of other countries.
- 6-7. Based on U.N. life tables (1977) and an assumed sex ratio at birth of 1.05. The life tables were derived using the logit and child survivorship techniques, registered deaths by age, and the age structure of the population.
8. See notes for Midyear Population Estimates.
- 9-10. Derived by interpolation of 1970-75 and 1975-80 projected rates from U.N. high and low variant projections (U.N., 1977) which take into consideration results from the 1974 census. The crude death rate rounds to the same number for both variants.
11. Projected range of variation based on selected combinations of unrounded crude birth, death, and net emigration rates (41.1, 10.2, and 0.9 per 1,000 population and 41.8, 10.3, and 0.9 per 1,000 population, respectively) as reported by the U.N. (1977).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 3,307      | 1970                       | 5,958      | 1950-55 | 2.8                        |
| 1955 | 3,812      | 1971                       | 6,146      | 1955-60 | 3.0                        |
| 1960 | 4,422      | 1972                       | 6,336      | 1960-65 | 3.0                        |
| 1961 | 4,557      | 1973                       | 6,515      | 1965-70 | 3.0                        |
| 1962 | 4,696      | 1974                       | 6,697      | 1970-75 | 2.9                        |
| 1963 | 4,841      | 1975                       | 6,891      | 1975-79 | 3.0                        |
| 1964 | 4,988      | 1976                       | 7,090      |         |                            |
| 1965 | 5,134      | 1977                       | 7,308      |         |                            |
| 1966 | 5,300      |                            |            |         |                            |
| 1967 | 5,465      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 5,631      | 1978                       | 7,532      |         |                            |
| 1969 | 5,793      | 1979                       | 7,763      |         |                            |

**NOTES:** 1950-77—Based on estimated midyear populations for every fifth year 1950 to 1975 (U.N., 1977, table 10) taking into account the registered births and deaths and estimated net migration.

1978-79—Projected based on a continuation of the 1976-77 growth rate.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| November 29, 1950 | 3,202,757             | 3,346,000           | The 1950 enumerated population as reported in <i>UNDY 1970</i> , table 7; and the 1962 and 1974 enumerated populations as reported in OAS, 1977, table 2.<br>The adjusted 1950 census population was calculated at the U.S. Bureau of the Census based on an estimated midyear population for 1950 and an estimated 1950-51 growth rate, which implies 4.3 percent net underenumeration. The adjusted 1962 census population was calculated at the U.S. Bureau of the Census based on an estimated midyear population for 1962 and an estimated 1962-63 growth rate, which implies 5.8 percent net underenumeration. The adjusted 1974 census population was calculated at the U.S. Bureau of the Census based on an estimated midyear population for 1974 and an estimated 1973-74 growth rate, which implies 2.7 percent net underenumeration. |
| November 25, 1962 | 4,476,007             | 4,754,000           |  |
| June 8, 1974      | 6,521,710             | 6,699,000           |  |

#### MAJOR SOURCES

Organization of American States (OAS). 1977. *Boletín Estadístico*, no. 145, July. Washington, D.C.  
United Nations. CELADE. 1977. "Ecuador. Proyecciones de Población por Sexo y Grupos de Edades 1950-2000." Unpublished.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of June 28, 1971..... | 3,554,648 |
| 2. Adjusted population, census of June 28, 1971.....   | 3,687,000 |
| 3. Births per 1,000 population, 1971.....              | 45        |
| 4. Deaths per 1,000 population, 1971.....              | 11        |
| 5. Annual rate of growth, 1971 (percent).....          | 3.1       |
| 6. Life expectancy at birth, 1969-72.....              | 54-56     |
| 7. Infant deaths per 1,000 live births, 1970-71.....   | 95-120    |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 4,662,000 |
| 9. Births per 1,000 population, 1978.....      | 41-44     |
| 10. Deaths per 1,000 population, 1978.....     | 10        |
| 11. Annual rate of growth, 1978 (percent)..... | 2.8-3.0   |

## NOTES:

1. Final census figure as reported in *PVSR October 1979*.
2. Estimate for the census date based on the official adjusted midyear population for 1970 (CONAPLAN and DIGESTIC, 1976, p. 17) and an estimated midyear 1970-71 growth rate, implying a 3.6 percent net underenumeration.
- 3-4. Calculated from registered births and deaths (OAS, 1979, pp. 15 and 17) adjusted at the U.S. Bureau of the Census for 7 percent and 27 percent underregistration, respectively, and an estimated 1971 midyear population. The adjustment for births and deaths is that implied by a comparison of registered births and deaths (*UNDY 1969*, tables 11 and 43; *UNDY 1970*, tables 13 and 17; OAS, 1979, tables 202-11 and 202-21) to an official estimate of births and deaths for the 1965-75 period (CONAPLAN and DIGESTIC, 1976, table 35).
5. Difference between unrounded crude birth and death rates and an estimated net emigration rate of 3 per 1,000 population based on official net emigration estimates for 1970-75 (CONAPLAN and DIGESTIC, 1976, table 22b).
6. Range derived from 1969-72 empirical life tables calculated at the U.S. Bureau of the Census based on the estimated range on infant mortality (see note 7) and adjusted deaths over age one.
7. Range based on an analysis of the 1973 National Fertility Survey (Potter, 1975, p. 46) and an official estimate based on 1971 census data using the Brass mortality technique (Ministerio..., 1976, table 1).
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trend of fertility since 1971 which takes into consideration trends in registered data (OAS, 1979, table 202-11) and official projections (CONAPLAN and DIGESTIC, 1976, p. 64).
10. Projected based on assumed trend of mortality considering past trends in registered deaths.
11. Range of variation based on unrounded crude birth, death, and net emigration rates (41.4, 10.2, and 3.3 per 1,000 population and 43.9, 10.2, and 3.3 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 1,940      | 1970                       | 3,582      | 1950-55 | 2.7                        |
| 1955 | 2,218      | <b>PROJECTED ESTIMATES</b> |            | 1955-60 | 3.0                        |
| 1960 | 2,574      | 1971                       | 3,687      | 1960-65 | 3.1                        |
| 1961 | 2,656      | 1972                       | 3,800      | 1965-70 | 3.5                        |
| 1962 | 2,738      | 1973                       | 3,910      | 1970-75 | 2.9                        |
| 1963 | 2,825      | 1974                       | 4,025      | 1975-79 | 3.0                        |
| 1964 | 2,912      | 1975                       | 4,143      |         |                            |
| 1965 | 3,005      | 1976                       | 4,261      |         |                            |
| 1966 | 3,113      | 1977                       | 4,389      |         |                            |
| 1967 | 3,217      |                            |            |         |                            |
| 1968 | 3,329      | 1978                       | 4,523      |         |                            |
| 1969 | 3,450      | 1979                       | 4,662      |         |                            |

**NOTES:** 1950-60—Official midyear population estimates based on the 1950 and 1961 adjusted censuses (CONAPLAN and DIGESTIC, 1976, tables 15 and 34).

1961-70—Based on official midyear population estimates for 1960, 1965, and 1970 derived from the 1950, 1961, and 1971 adjusted censuses (CONAPLAN and DIGESTIC, 1976, tables 15 and 34), adjusted registered births and deaths, and estimated net migration (CONAPLAN and DIGESTIC, 1976, table 22b).

1971-79—Projected based on the estimated 1970 midyear population, assumed trends in fertility and mortality which take into consideration adjusted registered data, and official estimates of migration which do not take into account accelerated emigration due to political change in the region.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| June 13, 1950 | 1,855,917             | 1,938,000           | Enumerated populations for 1950 and 1961 as reported in <i>UNDY 1970</i> , table 6; and for 1971 as reported in <i>PVSR October 1979</i> . Adjusted populations for 1950, 1961, and 1971 are implied by official midyear populations for 1950, 1960, and 1970 (CONAPLAN and DIGESTIC, 1976) and estimated 1950-51, 1960-61, and 1970-71 growth rates, respectively. |
| May 6, 1961   | 2,510,984             | 2,644,000           |   |
| June 28, 1971 | 3,554,648             | 3,687,000           |   |

## MAJOR SOURCES

Consejo Nacional de Planificación y Coordinación Económica (CONAPLAN) and Dirección General de Estadística y Censos (DIGESTIC). 1976. *La Población de El Salvador por Sexo y Edad en el Período 1950-2000, Principales Indicadores Demográficos*. San Salvador.

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\_\_\_\_\_. 1974b. *Cuarto Censo Nacional de Población, 1971*, vol. 1. San Salvador.

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Organization of American States (OAS). 1979. *América en Cifras: 1977*. Washington, D.C.

Potter, J. E., et al. 1975. *Aspectos Metodológicos para la Estimación de la Fecundidad y de la Mortalidad Infantil*. Asociación Demográfica Salvadoreña. San Salvador.

## BENCHMARK DATA

|   |        |
|---|--------|
| 1. Enumerated population, census of October 16, 1974..... | 55,125 |
| 2. Adjusted population, census of October 16, 1974.....   | NA     |
| 3. Births per 1,000 population, 1977.....                 | 25     |
| 4. Deaths per 1,000 population, 1977.....                 | 8      |
| 5. Annual rate of growth, 1977 (percent).....             | 3.5    |
| 6. Life expectancy at birth, 1966-68.....                 | 65     |
| 7. Infant deaths per 1,000 live births, 1977.....         | 33     |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 63,300 |
| 9. Births per 1,000 population, 1978.....      | 25     |
| 10. Deaths per 1,000 population, 1978.....     | 7      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.8    |

## NOTES:

1. Provisional census figure as reported in *PVSR July 1979*. Population is de jure.
2. The 1974 census has not been evaluated for possible coverage error.
- 3-4. Based on registered births and deaths and estimated midyear population (Guengant, 1979). Excludes live-born infants dying within 24 hours of birth.
5. Difference between unrounded crude birth, death, and net immigration rates. The net immigration rate of 17.8 per 1,000 is higher than estimates for previous years due to the entry of 503 Hmongs from Laos.
6. Derived at the U.S. Bureau of the Census based on registered births and deaths for 1966 to 1968, and the 1967 census population moved to midyear (*UNDY 1974*, tables 7 and 25; and 1969, table 11).
7. Registered rate as reported in *PVSR July 1979*. Excludes live-born infants dying within 24 hours of birth.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming that the average of the crude birth and death rates for 1975 to 1977 remained constant through 1978.
11. Difference between unrounded crude birth and death rates and a net immigration rate of 10 per 1,000 population.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 25.5       | 1970                       | 48.3       | 1950-55 | 2.2                        |
| 1955 | 28.5       | 1971                       | 49.9       | 1955-60 | 2.5                        |
| 1960 | 32.2       | 1972                       | 51.6       | 1960-65 | 4.3                        |
| 1961 | 33.2       | 1973                       | 53.2       | 1965-70 | 3.7                        |
| 1962 | 34.4       | 1974                       | 54.7       | 1970-75 | 3.1                        |
| 1963 | 36.0       | 1975                       | 56.3       | 1975-79 | 2.9                        |
| 1964 | 37.9       | 1976                       | 57.9       |         |                            |
| 1965 | 40.0       | 1977                       | 59.7       |         |                            |
| 1966 | 42.2       |                            |            |         |                            |
| 1967 | 44.0       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 45.4       | 1978                       | 61.6       |         |                            |
| 1969 | 46.8       | 1979                       | 63.3       |         |                            |

**NOTES:** 1950-67—Based on the 1954, 1961, and 1967 censuses, and intercensal growth rates.

1968-77—Estimated by Guengant (1979) based on the 1967 and 1974 censuses, and registered births and deaths.

1978-79—Projected using a growth rate based on the average of the registered crude birth and death rates for 1975 and 1977, and the average of the estimated net immigration rates for 1975 and 1976. The estimated net immigration rate for 1977 was not used since it was affected by the entry of 503 Hmongs from Laos in that year.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| July 1, 1954     | 27,863                |                     | Enumerated populations for 1954, 1961, and 1967 as reported in <i>UNDY 1970</i> , table 7; and for 1974 in <i>PVSR July 1979</i> . |
| October 9, 1961  | 33,535                |                     |  |
| October 16, 1967 | 44,392                |                     |  |
| October 16, 1974 | 55,125                |                     |  |

#### MAJOR SOURCES

Guengant, Jean-Pierre (Institut National de Statistique et d'Etudes Economiques—Service Inter-régional Antilles-Guyane). 1979. Personal communication.

## BENCHMARK DATA

|  |        |
|--|--------|
| 1. Enumerated population, census of April 7, 1970..... | 93,858 |
| 2. Adjusted population, census of April 7, 1970.....   | NA     |
| 3. Births per 1,000 population, 1977.....              | 25     |
| 4. Deaths per 1,000 population, 1977.....              | 8      |
| 5. Annual rate of growth, 1977 (percent).....          | 1.1    |
| 6. Life expectancy at birth, 1959-61.....              | 63     |
| 7. Infant deaths per 1,000 live births, 1978.....      | 29     |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 105,500 |
| 9. Births per 1,000 population, 1978.....      | 25      |
| 10. Deaths per 1,000 population, 1978.....     | 8       |
| 11. Annual rate of growth, 1978 (percent)..... | 1.1     |

## NOTES:

1. Final census figure as reported in University of the West Indies, 1973, table A.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered data (Statistical Division, 1978) and estimated midyear population. Data are tabulated by year of registration rather than occurrence.
5. Difference between unrounded crude birth and death rates and an estimated net emigration rate of 6.9 per 1,000 population. Net emigration is based on official arrival and departure data (Statistical Division, 1978).
6. Based on official male and female life tables as reported in *UNDY 1975*, table 16, and an assumed sex ratio at birth of 1.05.
7. Registered rate as reported by ECCM Secretariat, 1980. Data are tabulated by year of registration rather than occurrence.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming a continuation of the 1977 growth rate.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 75.8       | 1970 | 95.3       | 1950-55 | 2.2                        |
| 1955                       | 84.6       | 1971 | 95.9       | 1955-60 | 1.3                        |
| 1960                       | 90.1       | 1972 | 96.6       | 1960-65 | 0.7                        |
| 1961                       | 90.9       | 1973 | 97.6       | 1965-70 | 0.4                        |
| 1962                       | 91.4       | 1974 | 98.9       | 1970-75 | 1.0                        |
| 1963                       | 92.1       | 1975 | 100.4      | 1975-79 | 1.2                        |
| 1964                       | 92.8       | 1976 | 102.0      |         |                            |
| 1965                       | 93.3       | 1977 | 103.3      |         |                            |
| 1966                       | 93.6       |      |            |         |                            |
| 1967                       | 93.9       |      |            |         |                            |
| <b>PROJECTED ESTIMATES</b> |            |      |            |         |                            |
| 1968                       | 94.3       | 1978 | 104.4      |         |                            |
| 1969                       | 94.9       | 1979 | 105.5      |         |                            |

**NOTES:** 1950-59—Based on the adjusted 1946 and 1960 censuses and reported births, deaths, and migrants from 1950 to April 7, 1960 (University of the West Indies, 1964, table C.6).

1960-77—Based on the adjusted 1960 and inflated 1970 censuses, reported births and deaths (*UNDY 1966*, table 16; *1967*, table 17; *1974*, table 24; *1975*, table 20; *1977*, tables 9 and 18; and Statistical Division, 1979), and assumed trends in migration which take into consideration implied migration during the 1960-70 intercensal period and official arrival and departure data for 1975 (*UNDY 1977*, tables 26 and 27) and 1977 (Statistical Division, 1978). Births and deaths for the period 1971-73 and 1976 are based on trends in reported data.

1978-79—Projected assuming a continuation of the 1977 growth rate.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 9, 1946 | 72,387                | 72,380              | Enumerated populations for 1946 and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in University of the West Indies, 1973, table A. |
| April 7, 1960 | 88,677                | 89,960              |   |
| April 7, 1970 | 93,858                | 95,000              |   |

The adjusted 1946 and 1960 censuses as reported in University of the West Indies, 1964, tables B.11 and B.12, respectively. The 1970 census was inflated at the U.S. Bureau of the Census using the ratio of the 1960 enumerated to adjusted censuses.

#### MAJOR SOURCES

East Caribbean Common Market (ECCM) Secretariat. 1980. Personal communication.

Statistical Division. Ministry of Finance. 1978. Unpublished data.

University of the West Indies. Census Research Programme. 1964. *Estimates of Intercensal Population by Age and Sex and Revised Vital Rates for British Caribbean Countries: 1946-1960*, publication no. 8. Kingston, Jamaica.

\_\_\_\_\_. Census Research Programme. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

**BENCHMARK DATA**

|   |         |
|---|---------|
| 1. Enumerated population, census of October 16, 1974..... | 324,530 |
| 2. Adjusted population, census of October 16, 1974.....   | NA      |
| 3. Births per 1,000 population, 1978.....                 | 18      |
| 4. Deaths per 1,000 population, 1978.....                 | 7       |
| 5. Annual rate of growth, 1978 (percent).....             | -1.3    |
| 6. Life expectancy at birth, 1963-67.....                 | 65      |
| 7. Infant deaths per 1,000 live births, 1973-78.....      | 29      |

**PROJECTED ESTIMATES**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 312,000 |
| 9. Births per 1,000 population, 1978.....      | 18      |
| 10. Deaths per 1,000 population, 1978.....     | 7       |
| 11. Annual rate of growth, 1978 (percent)..... | -1.3    |

**NOTES:**

1. Provisional census figures as reported in *PVSR July 1979*. Population is de jure.
2. The 1974 census has not been evaluated for possible coverage error.
- 3-4. Based on provisional registered data as reported in *PVSR July 1979* and estimated midyear population. Data exclude live-born infants dying before registration of birth.
5. Based on the difference between unrounded crude birth and death rates and an estimated net emigration rate of 23.6 per 1,000 population. Estimated net emigration is based on adjusted arrival and departure data (France, 1979).
6. Based on official estimates of male and female life expectancy at birth (France, 1976, p. 17) and an assumed sex ratio at birth of 1.05.
7. Based on registered births and infant deaths for 1973, 1974, 1977, and 1978 as reported in *PVSR July 1979*; *PVSR April 1979*; and *UNDY 1977*. Data exclude live-born infants dying before registration of birth.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

# GUADELOUPE

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 207        | 1970                       | 320        | 1950-55 | 2.7                        |
| 1955 | 236        | 1971                       | 322        | 1955-60 | 2.9                        |
| 1960 | 273        | 1972                       | 324        | 1960-65 | 2.1                        |
| 1961 | 280        | 1973                       | 325        | 1965-70 | 1.1                        |
| 1962 | 288        | 1974                       | 325        | 1970-75 | 0.3                        |
| 1963 | 296        | 1975                       | 324        | 1975-79 | -1.0                       |
| 1964 | 301        | 1976                       | 322        |         |                            |
| 1965 | 303        | 1977                       | 319        |         |                            |
| 1966 | 308        | 1978                       | 316        |         |                            |
| 1967 | 313        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 315        | 1979                       | 312        |         |                            |
| 1969 | 318        |                            |            |         |                            |

**NOTES:** 1950-53—Based on the 1954 de facto census inflated to represent a de jure figure, reported births and deaths (France, 1966, table 11; *UNDY 1965*, table 11; and *UNDY 1966*, table 16), and assumed net migration. The estimated average annual net immigration (based on the 1954 and 1961 censuses and registered births and deaths for the intercensal period) was assumed to apply also to the period 1950 to 1953.

1954-60—Based on the inflated 1954 and the 1961 de jure censuses, reported births and deaths (France, 1966, table 11), and assumed net immigration. Estimated net immigration was based on the difference between natural increase and the population growth during the intercensal period.

1961-78—Based on the 1961, 1967, and 1974 de jure censuses, reported births and deaths (France, 1966, table 11; 1969, table 4; 1976, table 15; 1979, table 4; *PVSR April 1979*; and *PVSR July 1979*), reported arrival and departure data (France, 1962, table 3; 1969, table 8; 1972, p. 78; 1974, table xiv) and official migration estimates (France, 1979). Net emigration was estimated by the U.S. Bureau of the Census based on the difference between natural increase and population growth during the intercensal periods, which implies inflating official estimates by 7 percent. Net migration for 1974-78 was inflated by the same factor as used for the 1967-74 intercensal period.

1979—Projected assuming a continuation of the 1978 calendar-year growth rate.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| July 1, 1954     |                       |                     | The 1954 enumerated de facto population (France, 1966, table 2) was inflated at the U.S. Bureau of the Census to represent a de jure population using the ratio of the reported 1961 de facto to de jure censuses. |
| de facto         | 229,120               |                     |  |
| est. de jure     | 230,000               |                     |  |
| October 9, 1961  |                       |                     | The 1961, 1967, and 1974 enumerated populations were reported in France, 1962, table 2; France, 1976, table 10; and <i>PVSR July 1979</i> , respectively.  |
| de facto         | 282,561               |                     |  |
| de jure          | 283,223               |                     |  |
| October 16, 1967 |                       |                     |  |
| de jure          | 312,724               |                     |  |
| October 16, 1974 |                       |                     |  |
| de jure          | 324,530               |                     |  |

**MAJOR SOURCES**

France. INSEE. 1962. *Annuaire Statistique de la Guadeloupe: 1959-1961*. Paris.

\_\_\_\_\_. 1966. *Annuaire Statistique de la Guadeloupe: 1962-1964*. Paris.

\_\_\_\_\_. 1969. *Annuaire Statistique de la Guadeloupe: 1963-1967*. Paris.

\_\_\_\_\_. 1972. *Tendances Démographiques dans les Départements Insulaires d'Outre-Mer: Martinique, Guadeloupe et Réunion*. Paris.

\_\_\_\_\_. 1974. *Annuaire Statistique de la France: 1974*. Paris.

\_\_\_\_\_. 1976. *Annuaire Statistique de la France: 1976*. Paris.

\_\_\_\_\_. 1978. *Démographie et Emploi en Guadeloupe, Informations Disponibles en 1976*. Paris.

\_\_\_\_\_. 1979. Personal communication.

Leridon, Henri. 1976. "La Situation Démographique des Départements Français d'Outre-Mer." *Population*, vol. 31, no. 6, pp. 1247-1252.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of March 26, 1973..... | 5,160,221 |
| 2. Adjusted population, census of March 26, 1973.....   | 5,699,000 |
| 3. Births per 1,000 population, 1976.....               | 43        |
| 4. Deaths per 1,000 population, 1975.....               | 13        |
| 5. Annual rate of growth, 1975 (percent).....           | 2.8       |
| 6. Life expectancy at birth, 1970-72.....               | 53        |
| 7. Infant deaths per 1,000 live births, 1976.....       | 76        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 6,849,000 |
| 9. Births per 1,000 population, 1978.....      | 41-42     |
| 10. Deaths per 1,000 population, 1978.....     | 10-11     |
| 11. Annual rate of growth, 1978 (percent)..... | 3.0-3.2   |

## NOTES:

- Final census figure (Dirección General de Estadística, 1975, table 1).
- Census population adjusted for 9.5 percent net underenumeration (U.S. Bureau of the Census, 1977).
4. Estimated at the U.S. Bureau of the Census based on registered births and deaths (OAS, 1979) and estimated population. A crude death rate of 13.0 for 1976 was published by the OAS (1979), but this rate excludes most of the 23,000 earthquake deaths which were largely unregistered.
- Difference between unrounded crude birth and death rates for 1975 (40.9 and 12.9 per 1,000 population, respectively).
- Calculated from empirical life tables prepared at the U.S. Bureau of the Census (1977).
- Registered rate as reported in *PVSR April 1979*, which most likely represents an undercount due to the undetermined number of infant deaths in the 1976 earthquake.
- See notes for Midyear Population Estimates.
- Projected range of variation based on assumed trends in fertility since 1976.
- Projected based on assumed trends in mortality since 1975, with 1976 earthquake mortality treated separately.
- Range of variation given possible combinations of unrounded crude birth and death rates (40.8 and 10.3, and 41.9 and 10.4 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 3,024      | 1970                       | 5,262      | 1950-55 | 2.6                        |
| 1955 | 3,452      | 1971                       | 5,407      | 1955-60 | 2.8                        |
| 1960 | 3,969      | 1972                       | 5,572      | 1960-65 | 2.9                        |
| 1961 | 4,094      | 1973                       | 5,743      | 1965-70 | 2.7                        |
| 1962 | 4,220      | 1974                       | 5,919      | 1970-75 | 2.9                        |
| 1963 | 4,343      | 1975                       | 6,096      | 1975-79 | 2.9                        |
| 1964 | 4,470      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 4,595      | 1976                       | 6,253      |         |                            |
| 1966 | 4,725      | 1977                       | 6,447      |         |                            |
| 1967 | 4,861      |                            |            |         |                            |
| 1968 | 4,996      | 1978                       | 6,646      |         |                            |
| 1969 | 5,129      | 1979                       | 6,849      |         |                            |

**NOTES:** 1950-75—Based on the adjusted 1950, 1964, and 1973 censuses, and adjusted vital rates for each year, 1950 to 1976.

1976-79—Projected at the U.S. Bureau of the Census by the component method based on the 1975 adjusted midyear population.

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source   |
|----------------|-----------------------|---------------------|--|
| April 18, 1950 | 2,790,868             | 3,024,000           | Enumerated populations for 1950, 1964, and 1973 as reported by Dirección General de Estadística (1971, table II; and 1975, table I). |
| April 18, 1964 | 4,287,997             | 4,445,000           |  |
| March 26, 1973 | 5,160,221             | 5,699,000           |  |

The 1950 and 1964 censuses were adjusted by CELADE (U.N., 1970, p. 6) for 7.7 percent and 3.6 percent net underenumeration, respectively; the 1973 census was adjusted by the U.S. Bureau of the Census (1977) for 9.5 percent net underenumeration.

## MAJOR SOURCES

- Chackiel, Juan and Mario Issacs. 1976. *Guatemala: Proyección de la Población por Sexo y Grupos de Edades, 1950-2000*. CELADE. San José, Costa Rica.
- Dirección General de Estadística. 1971. *VII Censo de Población 1964*, vol. 1, *Metodología. Población Total por Sexo, Edad, Grupo Etnico, Urbano-Rural y Estado Civil*. Guatemala City.
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- . 1976. *Anuario Estadístico 1975*. Guatemala City.
- Organization of American States (OAS). 1979. *América en Cifras 1977*, vol. III. Washington, D.C.
- United Nations. CELADE. 1970. *Guatemala, Proyecciones de la Población Total, 1965-2000*, by Zulma C. Camisa, series AS, no. 3. San José.
- U.S. Bureau of the Census. 1977. *Country Demographic Profiles—Guatemala*. Washington, D.C.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of April 7, 1970..... | 701,885 |
| 2. Adjusted population, census of April 7, 1970.....   | NA      |
| 3. Births per 1,000 population, 1978.....              | 28      |
| 4. Deaths per 1,000 population, 1978.....              | 8       |
| 5. Annual rate of growth, 1978 (percent).....          | 1.4     |
| 6. Life expectancy at birth, 1970.....                 | 64      |
| 7. Infant deaths per 1,000 live births, 1974.....      | 52      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 832,000 |
| 9. Births per 1,000 population, 1978.....      | 28      |
| 10. Deaths per 1,000 population, 1978.....     | 8       |
| 11. Annual rate of growth, 1978 (percent)..... | 1.4     |

## NOTES:

1. Final census figure as reported in University of the West Indies, 1973, table A.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on provisional registered data as reported in *PVSR October 1979* and estimated midyear population. Data are tabulated by year of registration rather than occurrence. Death rate includes approximately 900 deaths associated with the mass suicide in Jonestown.
5. Difference between unrounded crude birth and death rates and an estimated net emigration rate of 6.1 per 1,000 population, which takes into consideration official migration data for each year 1970 to 1976 as reported in Statistical Bureau, no date b, table 45.
6. Calculated at the U.S. Bureau of the Census based on an average of registered deaths by age and sex for the period 1969-71 (Ministry of Economic Development, no date, table 11-17) and the 1970 census age-sex distribution moved to midyear (University of the West Indies, 1973, table 3).
7. Based on registered data as reported in Statistical Bureau, no date b, tables 37 and 38.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 428        | 1970                       | 715        | 1950-55 | 2.8                        |
| 1955 | 491        | 1971                       | 730        | 1955-60 | 3.0                        |
| 1960 | 571        | 1972                       | 746        | 1960-65 | 2.3                        |
| 1961 | 585        | 1973                       | 761        | 1965-70 | 2.2                        |
| 1962 | 598        | 1974                       | 775        | 1970-75 | 1.9                        |
| 1963 | 612        | 1975                       | 787        | 1975-79 | 1.4                        |
| 1964 | 626        | 1976                       | 797        |         |                            |
| 1965 | 640        | 1977                       | 808        |         |                            |
| 1966 | 657        | 1978                       | 819        |         |                            |
| 1967 | 673        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 687        | 1979                       | 832        |         |                            |
| 1969 | 702        |                            |            |         |                            |

**NOTES:** 1950-69—Based on the adjusted 1946 and 1960 censuses, the inflated 1970 census, and trends in registered births, deaths, and net migrants (Ministry of Economic Development, no date, table 11-3; and University of the West Indies, 1964, table C.3).

1970-78—Based on the inflated 1970 census and registered and estimated births, deaths, and net migrants (Statistical Bureau, 1977; and no date b, tables 37, 38, and 45; *UNDY 1977*, tables 9 and 18; *PVSR October 1979*; and U.N., 1979).

1979—Projected assuming a continuation of the 1978 growth rate, excluding the Jonestown deaths.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 9, 1946 | 375,701               | 383,000             | Enumerated populations for 1946 and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in University of the West Indies, 1973, table A. |
| April 7, 1960 | 560,330               | 568,000             |   |
| April 7, 1970 | 701,885               | 711,000             |   |

The 1960 adjusted population was calculated at the U.S. Bureau of the Census assuming the same under-enumeration (1.3 percent) for the Amerindians of the Repunun and the Northwest District as was estimated for the rest of the population by the University of the West Indies (1964, table B.8). The 1946 adjusted population was calculated at the U.S. Bureau of the Census based on the 1960 adjusted census and the 1946-60 annual growth rate estimated by the University of the West Indies (1964, table B.8). The 1970 census was inflated at the U.S. Bureau of the Census using the ratio of the 1960 adjusted to enumerated censuses.

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**MAJOR SOURCES**

Ministry of Economic Development. no date. *Annual Statistical Abstract: 1974*. Georgetown.

Statistical Bureau. 1977. Personal communication.

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University of the West Indies. Census Research Programme. 1964. *Estimates of Intercensal Population by Age and Sex and Revised Vital Rates for British Caribbean Countries, 1946-1960*, publication no. 8. Kingston, Jamaica.

\_\_\_\_\_. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of September 1, 1971..... | 4,329,991 |
| 2. Adjusted population, census of September 1, 1971.....   | NA        |
| 3. Births per 1,000 population, 1965-70.....               | 44        |
| 4. Deaths per 1,000 population, 1965-70.....               | 19        |
| 5. Annual rate of growth, 1965-70 (percent).....           | 2.1       |
| 6. Life expectancy at birth, 1965-70.....                  | 46        |
| 7. Infant deaths per 1,000 live births, 1965-70.....       | 150       |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 5,670,000 |
| 9. Births per 1,000 population, 1978.....      | 41-43     |
| 10. Deaths per 1,000 population, 1978.....     | 15-16     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3-2.5   |

## NOTES:

- Final census figure as reported in *PVSR April 1979*. Based on results of a 10 percent sample of population in rural areas and a complete enumeration in all other areas. Population is de jure.
- The 1971 census has not been evaluated for possible coverage error. An estimate for the census date based on the projected midyear 1970 population (U.N., 1978) and estimated growth rates for 1970-71 and 1971-72 implies 8.4 percent net underenumeration.
- Estimated by the U.N. (1978), taking into consideration fertility estimates based on the 1971 census and Brass estimates of the 1973 rounds of the Multi-round Demographic Survey, and own-children estimates based on a sample of the 1971 census.
- Estimated by the U.N. (1978), taking into consideration Brass mortality estimates based on results from the 1971 census and the Brass growth balance equation technique based on census reported deaths.
- Based on the unrounded crude birth and death rates (43.7 and 19.3 per 1,000 population, respectively) estimated by the U.N. (1978), and an estimated net emigration rate of 3.0 per 1,000 population (U.N., 1978). Estimated migration takes into consideration results from the 1973 rounds of the Multi-round Demographic Survey, official migration data, immigration data for the United States and Canada, and migration data collected by censuses in various other Latin American countries (Hobcraft, 1978, tables I.1-I.6).
- Estimated by the U.N. (as reported by Moya and Somoza, 1978, p. 5), taking into consideration Brass mortality estimates based on results from the 1971 census, and the Brass death distribution technique based on census reported deaths.
- See notes for Midyear Population Estimates.
- Derived by interpolation of 1970-75 and 1975-80 projected rates from U.N. constant, high, medium, and low variant projections (U.N., 1978) which take into consideration estimates derived from results of the 1971 census and the 1973 rounds of the Multi-round Demographic Survey.
- Projected range of variation based on selected combinations of unrounded crude birth, death, and net emigration rates (41.2, 15.5, and 2.4 per 1,000 population, and 42.9, 15.7, and 2.3 per 1,000 population, respectively) as reported in U.N., 1978.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 3,097      | 1968 | 4,412      | 1950-55 | 1.7                        |
| <b>PROJECTED ESTIMATES</b> |            | 1969 | 4,507      | 1955-60 | 2.0                        |
| 1955                       | 3,376      | 1970 | 4,605      | 1960-65 | 2.1                        |
| 1960                       | 3,723      | 1971 | 4,707      | 1965-70 | 2.1                        |
| 1961                       | 3,800      | 1972 | 4,814      | 1970-75 | 2.3                        |
| 1962                       | 3,880      | 1973 | 4,924      | 1975-79 | 2.4                        |
| 1963                       | 3,964      | 1974 | 5,038      |         |                            |
| 1964                       | 4,050      | 1975 | 5,157      |         |                            |
| 1965                       | 4,137      | 1976 | 5,279      |         |                            |
| 1966                       | 4,227      | 1977 | 5,405      |         |                            |
| 1967                       | 4,318      | 1978 | 5,536      |         |                            |
|                            |            | 1979 | 5,670      |         |                            |

**NOTES:** 1950-79—Based on estimated and projected 1950, 1955, 1960, 1965, 1970, 1975, and 1980 midyear population figures (U.N., 1978). Projected population figures are based on the 1950 census and estimated and projected trends in fertility, mortality, and migration during the respective 5-year periods, which take into consideration results from the 1971 census and the 1973 rounds of the Multiround Demographic Survey.

The following census was used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source   |
|----------------|-----------------------|---------------------|--|
| August 7, 1950 | 3,097,220             |                     | The 1950 enumerated population is de jure, excluding 84 diplomatic personnel stationed outside the country, as reported in <i>UNDY 1970</i> , table 6. |

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## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of March 6, 1974..... | 2,656,948 |
| 2. Adjusted population, census of March 6, 1974.....   | 3,032,000 |
| 3. Births per 1,000 population, 1974.....              | 48        |
| 4. Deaths per 1,000 population, 1974.....              | 12        |
| 5. Annual rate of growth, 1974 (percent).....          | 3.4       |
| 6. Life expectancy at birth, 1974.....                 | 55        |
| 7. Infant deaths per 1,000 live births, 1974.....      | 103       |

## PROJECTED ESTIMATES

|   |           |
|---|-----------|
| 8. Population, July 1, 1979 .....               | 3,645,000 |
| 9. Births per 1,000 population, 1978 .....      | 46-48     |
| 10. Deaths per 1,000 population, 1978.....      | 12        |
| 11. Annual rate of growth, 1978 (percent) ..... | 3.4-3.6   |

## NOTES:

1. Final census figure (Dirección General de Estadística y Censos, 1976, table 1).
2. Census population adjusted for 12.5 percent underenumeration (U.S. Bureau of the Census, 1977).
3. Based on registered births adjusted by the U.S. Bureau of the Census for 13 percent underregistration and adjusted population, taking into account results from the 1970-72 National Demographic Survey.
4. Based on estimated age-specific life table central death rates and adjusted population by age and sex (U.S. Bureau of the Census, 1977).
5. Difference between unrounded crude birth and death rates and an estimated net emigration rate of 0.9 per 1,000 population (U.S. Bureau of the Census, 1977).
6. Derived by a graphic stable population technique, using 1974 registered deaths and adjusted population, by age and sex (U.S. Bureau of the Census, 1977).
7. From life tables estimated based on the pattern of mortality from registered deaths and an estimated life expectancy at birth for 1974 (U.S. Bureau of the Census, 1977).
8. See notes for Midyear Population Estimates.
- 9-10. Projected estimates based on assumed trends in fertility and mortality since 1974.
11. Range of variation given selected combinations of unrounded crude birth and death rates (45.9 and 11.8 per 1,000 population; and 48.0 and 12.0 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 1,431      | 1970                       | 2,683      | 1950-55 | 3.0                        |
| 1955 | 1,662      | 1971                       | 2,767      | 1955-60 | 3.2                        |
| 1960 | 1,952      | 1972                       | 2,864      | 1960-65 | 3.1                        |
| 1961 | 2,017      | 1973                       | 2,964      | 1965-70 | 3.3                        |
| 1962 | 2,082      | 1974                       | 3,066      | 1970-75 | 3.4                        |
| 1963 | 2,151      | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 3.5                        |
| 1964 | 2,224      | 1975                       | 3,174      |         |                            |
| 1965 | 2,299      | 1976                       | 3,287      |         |                            |
| 1966 | 2,375      | 1977                       | 3,403      |         |                            |
| 1967 | 2,453      |                            |            |         |                            |
| 1968 | 2,534      | 1978                       | 3,522      |         |                            |
| 1969 | 2,618      | 1979                       | 3,645      |         |                            |

**NOTES:** 1950-74—Based on the adjusted 1950, 1961, and 1974 censuses, and estimated fertility, mortality, and migration trends during the period.

1975-79—Projected by the component method based on the 1974 adjusted midyear population and assumed trends in fertility and mortality.

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source  |
|----------------|-----------------------|---------------------|---|
| June 18, 1950  | 1,368,605             | 1,430,000           | Enumerated population for 1950 as reported in Dirección General de Censos y Estadísticas, 1952, p. 7; and for 1961 and 1964 as reported in Dirección General de Estadística y Censos, 1964, table 1; and 1976, table 1. |
| April 17, 1961 | 1,884,765             | 2,004,000           |   |
| March 6, 1974  | 2,656,948             | 3,032,000           |   |

The adjusted population for 1950 was reported in Dirección General de Censos y Estadísticas, 1952, p. 7; those for 1961 and 1974 were based on an evaluation by the U.S. Bureau of the Census (1977).

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## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of April 7, 1970..... | 1,848,512 |
| 2. Adjusted population, census of April 7, 1970.....   | 1,938,000 |
| 3. Births per 1,000 population, 1978.....              | 27        |
| 4. Deaths per 1,000 population, 1978.....              | 6         |
| 5. Annual rate of growth, 1978 (percent).....          | 1.2       |
| 6. Life expectancy at birth, 1970.....                 | 67        |
| 7. Infant deaths per 1,000 live births, 1978.....      | 17        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 2,215,000 |
| 9. Births per 1,000 population, 1978.....      | 27        |
| 10. Deaths per 1,000 population, 1978.....     | 6         |
| 11. Annual rate of growth, 1978 (percent)..... | 1.2       |

## NOTES:

1. Final census figure (University of the West Indies, 1973, table A). Population is de jure.
2. Census population adjusted for 4.6 percent net underenumeration (U.S. Bureau of the Census, 1977).
- 3-4. Based on provisional registered data (U.N., 1979), adjusted for less than one percent underregistration, and estimated midyear population.
5. Difference between unrounded crude birth and death rates and a net emigration rate of 9.0 per 1,000 population. Net migration is based on official arrival and departure data (U.N., 1979).
6. Derived from 1970 empirical life tables calculated at the U.S. Bureau of the Census (1977) using registered deaths, by age and sex.
7. Based on registered births adjusted for less than one percent underregistration and registered infant deaths adjusted for about 5 percent underregistration.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 1,385      | 1970                       | 1,944      | 1950-55 | 1.5                        |
| 1955 | 1,489      | 1971                       | 1,968      | 1955-60 | 1.8                        |
| 1960 | 1,632      | 1972                       | 1,999      | 1960-65 | 1.7                        |
| 1961 | 1,648      | 1973                       | 2,039      | 1965-70 | 1.8                        |
| 1962 | 1,665      | 1974                       | 2,074      | 1970-75 | 1.6                        |
| 1963 | 1,698      | 1975                       | 2,109      | 1975-79 | 1.2                        |
| 1964 | 1,739      | 1976                       | 2,139      |         |                            |
| 1965 | 1,777      | 1977                       | 2,163      |         |                            |
| 1966 | 1,820      | 1978                       | 2,189      |         |                            |
| 1967 | 1,861      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 1,893      | 1979                       | 2,215      |         |                            |
| 1969 | 1,920      |                            |            |         |                            |

**NOTES:** 1950-78—Estimates for 1950-59 are averages of end-of-year intercensal estimates, based on the adjusted 1943 and 1960 censuses as reported in University of the West Indies (1964, pp. 14-15). Estimates for 1960-78 are based on the adjusted 1960 and 1970 censuses and adjusted births, deaths, and reported net migration, each year 1960-78. For further information see U.S. Bureau of the Census, 1977.

1979—Projected assuming a continuation of the 1978 growth rate.

The following censuses were used in deriving the population time series:

| Census date     | Enumerated population | Adjusted population | Source  |
|-----------------|-----------------------|---------------------|---|
| January 4, 1943 | 1,237,063             | 1,246,200           | Enumerated de jure populations for 1943 and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in University of the West Indies, 1973, table A.<br><br>The 1943 and 1960 de jure populations were adjusted for underenumeration of the population under age 5 as reported in University of the West Indies, 1964, pp. 14-15. The 1970 de jure population was adjusted at the U.S. Bureau of the Census (1977) for 4.6 percent net underenumeration. |
| April 7, 1960   | 1,609,814             | 1,624,400           |   |
| April 7, 1970   | 1,848,512             | 1,938,000           |   |

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\_\_\_\_\_, 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston.

## BENCHMARK DATA

|   |         |
|---|---------|
| 1. Enumerated population, census of October 16, 1974..... | 324,832 |
| 2. Adjusted population, census of October 16, 1974.....   | NA      |
| 3. Births per 1,000 population, 1978.....                 | 16      |
| 4. Deaths per 1,000 population, 1978.....                 | 7       |
| 5. Annual rate of growth, 1978 (percent).....             | -1.3    |
| 6. Life expectancy at birth, 1963-67.....                 | 65      |
| 7. Infant deaths per 1,000 live births, 1973-78.....      | 25      |

## PROJECTED ESTIMATES

|   |         |
|---|---------|
| 8. Population, July 1, 1979 .....               | 310,000 |
| 9. Births per 1,000 population, 1978 .....      | 16      |
| 10. Deaths per 1,000 population, 1978 .....     | 7       |
| 11. Annual rate of growth, 1978 (percent) ..... | -1.3    |

## NOTES:

1. Provisional census figure as reported in *PVSR October 1979*. Population is de jure.
2. The 1974 census has not been evaluated for possible coverage error.
- 3-4. Based on provisional data as reported in *PVSR July 1979* and estimated midyear population. Data exclude live born infants dying before registration of birth.
5. Based on the difference between unrounded crude birth and death rates and an estimated net emigration rate of 21.6 per 1,000 population. Estimated net emigration is based on an extrapolation of the number of net emigrants based on arrival and departure data (France, 1979).
6. Based on official estimates of male and female life expectancy at birth (*UNDY 1975*, table 16), and an assumed sex ratio at birth of 1.05.
7. Based on registered births and infant deaths for 1973, 1974, 1977, and 1978 as reported in *PVSR April 1979*, *PVSR July 1979*, and *UNDY 1977*. Data exclude live born infants dying before registration of birth.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## MARTINIQUE

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 217        | 1970                       | 325        | 1950-55 | 2.5                        |
| 1955 | 246        | 1971                       | 326        | 1955-60 | 2.7                        |
| 1960 | 283        | 1972                       | 327        | 1960-65 | 2.0                        |
| 1961 | 289        | 1973                       | 327        | 1965-70 | 0.8                        |
| 1962 | 294        | 1974                       | 326        | 1970-75 | 0.0                        |
| 1963 | 299        | 1975                       | 324        | 1975-79 | -1.1                       |
| 1964 | 306        | 1976                       | 321        |         |                            |
| 1965 | 313        | 1977                       | 318        |         |                            |
| 1966 | 317        | 1978                       | 314        |         |                            |
| 1967 | 319        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 322        | 1979                       | 310        |         |                            |
| 1969 | 324        |                            |            |         |                            |

**NOTES:** 1950-60—Based on the 1954 de facto census inflated to represent a de jure figure, and the 1961 de jure census, reported births and deaths (France, 1953, table 2-3; 1966, table 1; and 1973, table 1), and reported arrival and departure data (France, 1953, table 2-4; 1957, table XIII; 1961, table XIII; 1962, table 3; and 1966, table 2) deflated at the U.S. Bureau of the Census by assuming that the ratio of estimated net migration (based on the 1954 and 1961 de jure censuses and registered births and deaths for the intercensal period) to reported net migration during the intercensal period remained constant. This ratio was also assumed to apply to the period from 1950 to the 1954 census date.

1961-78—Based on the 1961, 1967, and 1974 de jure censuses, reported births and deaths (France, 1973, table 1; 1976, table 15; 1979; and *PVSR July 1979*), and reported arrival and departure data (France, 1966, table 2; 1968, table 2; 1971, table 2; 1976, table 11; and France, 1979). Migration estimates were adjusted based on the difference between natural increase and intercensal population increase. The 1967-74 adjustment factor was applied to 1974-78 emigration data.

1979—Projected assuming a continuation of the 1978 calendar-year growth rate.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| July 1, 1954     |                       |                     | The 1954 enumerated de facto population (France, 1966, table 2) was inflated at the U.S. Bureau of the Census to represent a de jure population by applying the ratio of the reported 1961 de facto to de jure censuses. Enumerated populations for 1961, 1967, and 1974 were reported in France, 1966, table 2; <i>UNDY 1970</i> , table 7; and <i>PVSR July 1979</i> , respectively. The 1974 figure is provisional. |
| de facto         | 239,130               |                     |  |
| est. de jure     | 240,000               |                     |  |
| October 9, 1961  |                       |                     |  |
| de facto         | 291,357               |                     |  |
| de jure          | 292,062               |                     |  |
| October 16, 1967 |                       |                     |  |
| de jure          | 320,030               |                     |  |
| October 16, 1974 |                       |                     |  |
| de jure          | 324,832               |                     |  |

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- France, INSEE. 1953. *Bulletin Mensuel de Statistique d'Outre-Mer: Annuaire de la Martinique, 1948-1952*, supplément série statistique no. 18. Paris.
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- \_\_\_\_\_. 1961. *Annuaire de la Martinique: 1956-1959*. Paris.
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## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of January 28, 1970..... | 48,225,238 |
| 2. Adjusted population, census of January 28, 1970.....   | 49,417,000 |
| 3. Births per 1,000 population, 1977-78.....              | 37         |
| 4. Deaths per 1,000 population, 1970.....                 | 10         |
| 5. Annual rate of growth, 1970 (percent).....             | 3.2        |
| 6. Life expectancy at birth, 1969-71.....                 | 60         |
| 7. Infant deaths per 1,000 live births, 1972-74.....      | 70         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 65,770,000 |
| 9. Births per 1,000 population, 1978.....      | 36         |
| 10. Deaths per 1,000 population, 1978.....     | 8          |
| 11. Annual rate of growth, 1978 (percent)..... | 2.7        |

## NOTES:

- Final census figure (Dirección General de Estadística, 1972, table 8).
- Census population adjusted for 2.4 percent net underenumeration (U.S. Bureau of the Census, 1979).
- Based on 1977-78 age-specific fertility rates from the 1978 National Prevalence Survey on the Use of Contraceptive Methods (Coordinación del Programa Nacional de Planificación Familiar, 1979, p. 27) and projected Jan. 1, 1978, population (U.S. Bureau of the Census, 1979).
- Based on registered deaths (*UNDY 1974*, table 24) adjusted for 3 percent net under-registration at the U.S. Bureau of the Census, and adjusted 1970 census population moved to midyear (U.S. Bureau of the Census, 1979).
- Difference between unrounded 1970 crude birth and death rates (42.6 and 10.0 per 1,000 population, respectively) and a net emigration rate of 1.0 per 1,000 population estimated at the U.S. Bureau of the Census (1979). The migration rate is based on statistics on immigration into the United States and Canada (U.S. Immigration and Naturalization Service, various issues; and Canada Manpower and Immigration, 1971, table 9). These can be considered as minimum estimates of the actual number of emigrants since there is a great deal of uncertainty concerning the true levels of international migration for Mexico.
- Calculated from empirical life tables prepared at the U.S. Bureau of the Census (1979).
- Based on live births to ever-married women during the period 1972 to 1974 and deaths to population aged 0 to 1 during the same period from the 1976 National Fertility Survey (Coordinación General del Sistema Nacional de Información, 1979, p. 174).
- See notes for Midyear Population Estimates.
- Projected based on assumed trends in fertility since 1977-78 (U.S. Bureau of the Census, 1979).
- Projected based on an assumed trend in mortality taking into consideration registered deaths since 1970 (various issues of *UNDY* and *PVSR January 1979*).
- Projected based on the difference between unrounded crude birth and death rates and a net emigration rate of 1.0 per 1,000 population. The migration rate is based on the assumption that the average annual number of immigrants to the United States and Canada for the period 1972-76 would remain constant through 1979 (U.S. Bureau of the Census, 1979).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 26,715     | 1970                       | 50,078     | 1950-55 | 2.8                        |
| 1955 | 30,781     | <b>PROJECTED ESTIMATES</b> |            | 1955-60 | 3.2                        |
| 1960 | 36,182     | 1971                       | 51,679     | 1960-65 | 3.3                        |
| 1961 | 37,374     | 1972                       | 53,334     | 1965-70 | 3.2                        |
| 1962 | 38,597     | 1973                       | 55,055     | 1970-75 | 3.2                        |
| 1963 | 39,859     | 1974                       | 56,842     | 1975-79 | 2.8                        |
| 1964 | 41,198     | 1975                       | 58,692     |         |                            |
| 1965 | 42,601     | 1976                       | 60,546     |         |                            |
| 1966 | 44,041     | 1977                       | 62,343     |         |                            |
| 1967 | 45,515     |                            |            |         |                            |
| 1968 | 47,016     | 1978                       | 64,087     |         |                            |
| 1969 | 48,542     | 1979                       | 65,770     |         |                            |

**NOTES:** 1950-70—Based on the inflated 1950 census, the adjusted 1960 and 1970 censuses and the trend in adjusted annual registered births and deaths from 1950 to 1970 (U.S. Bureau of the Census, 1979).

1971-79—Projected at the U.S. Bureau of the Census (1979) by the component method based on the 1970 adjusted census population moved to midyear, by age and sex. Fertility trends during the period were based on results from the 1976 National Fertility Survey and the 1978 National Prevalence Survey on the Use of Contraceptive Methods. The trend of mortality during the period was assumed considering the past trend of mortality as well as registered deaths (various issues of *UNDY*) since 1970. The trend of migration was derived using statistics on immigration into the United States and Canada for each year 1970 to 1976.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source  |
|------------------|-----------------------|---------------------|---|
| June 6, 1950     | 25,791,017            | 26,665,000          | Enumerated populations as reported in <i>UNDY 1970</i> , table 7; and <i>UNDY 1973</i> , table 6.   |
| June 8, 1960     | 34,923,129            | 36,106,000          |   |
| January 28, 1970 | 48,225,238            | 49,417,000          |   |
|                  |                       |                     | The 1960 and 1970 enumerated populations were adjusted at the U.S. Bureau of the Census (1979) for 3.3 percent and 2.4 percent net underenumeration, respectively. The 1950 enumerated population was inflated assuming the same percent net underenumeration as found for the 1960 census. |

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Dirección General de Estadística. 1972. *IX Censo General de Población, 28 de Enero de 1970: Resumen General*. Mexico City.

U.S. Bureau of the Census. 1979. *Country Demographic Profiles—Mexico*. Washington, D.C.

U.S. Immigration and Naturalization Service. Various years. *Annual Report*. Washington, D.C.

## BENCHMARK DATA

|  |        |
|--|--------|
| 1. Enumerated population, census of April 7, 1970..... | 11,698 |
| 2. Adjusted population, census of April 7, 1970.....   | NA     |
| 3. Births per 1,000 population, 1978.....              | 18     |
| 4. Deaths per 1,000 population, 1978.....              | 13     |
| 5. Annual rate of growth, 1978 (percent).....          | -1.1   |
| 6. Life expectancy at birth, 1968-72.....              | 68     |
| 7. Infant deaths per 1,000 live births, 1978.....      | 47     |

## PROJECTED ESTIMATES

|   |        |
|---|--------|
| 8. Population, July 1, 1979 .....               | 10,800 |
| 9. Births per 1,000 population, 1978 .....      | 18     |
| 10. Deaths per 1,000 population, 1978 .....     | 13     |
| 11. Annual rate of growth, 1978 (percent) ..... | -1.1   |

## NOTES:

1. Final census figure as reported in University of the West Indies, 1973, table A.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered data as reported in *PVSR October 1979*, and an estimated midyear population.
5. Based on the difference between unrounded crude birth and death rates, and an estimated net emigration rate of 15.5 per 1,000 population. The net emigration rate is based on the assumption that the official estimate of net emigration for 1977 (Statistics Office, 1978) remained constant for 1978.
6. Derived from a life table for both sexes estimated at the U.S. Bureau of the Census based on registered deaths by broad age groups (*UNDY 1974*, table 25).
7. Based on registered data as reported in *PVSR October 1979*.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

# MONTERRAT

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 13.4       | 1970                       | 11.7       | 1950-55 | -1.1                       |
| 1955 | 12.7       | 1971                       | 11.6       | 1955-60 | -0.9                       |
| 1960 | 12.1       | 1972                       | 11.5       | 1960-65 | -0.5                       |
| 1961 | 12.0       | 1973                       | 11.4       | 1965-70 | -0.2                       |
| 1962 | 11.9       | 1974                       | 11.4       | 1970-75 | -0.7                       |
| 1963 | 11.8       | 1975                       | 11.3       | 1975-79 | -1.1                       |
| 1964 | 11.8       | 1976                       | 11.1       |         |                            |
| 1965 | 11.8       | 1977                       | 11.0       |         |                            |
| 1966 | 11.8       | 1978                       | 10.9       |         |                            |
| 1967 | 11.8       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 11.8       | 1979                       | 10.8       |         |                            |
| 1969 | 11.7       |                            |            |         |                            |

**NOTES:** 1950-69—Based on the 1946, 1960, and 1970 censuses, reported births and deaths (*UNDY 1954*, table 8; *1957*, table 7; *1959*, table 9; *1966*, table 16; *1967*, table 17; *1969*, table 11; *1974*, table 24; *1975*, tables 12 and 20; and *PVSR October 1977*), and estimated net migration. Estimated net migration is based on the 1946, 1960, and 1970 censuses, registered births and deaths for the intercensal periods, and assumed trends in net migration which take into consideration the 1971 official midyear population estimate (Statistics Office, 1978).

1970-78—Based on the 1970 census, and taking into consideration official midyear population estimates (Statistics Office, 1978).

1979—Projected assuming a continuation of the 1978 growth rate.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 9, 1946 | 14,333                |                     | Enumerated populations for 1946 and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in University of the West Indies, 1973, table A. |
| April 7, 1960 | 12,108                |                     |   |
| April 7, 1970 | 11,698                |                     |   |

### MAJOR SOURCES

Statistics Office. 1978. Personal communication.

University of the West Indies. Census Research Programme. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of December 31, 1971..... | 218,390 |
| 2. Adjusted population, census of December 31, 1971.....   | 223,000 |
| 3. Births per 1,000 population.....                        | NA      |
| 4. Deaths per 1,000 population.....                        | NA      |
| 5. Annual rate of growth, 1977 (percent).....              | 0.9     |
| 6. Life expectancy at birth.....                           | NA      |
| 7. Infant deaths per 1,000 live births.....                | NA      |

## PROJECTED ESTIMATES

|   |         |
|---|---------|
| 8. Population, July 1, 1979 .....               | 240,000 |
| 9. Births per 1,000 population, 1978.....       | 27-31   |
| 10. Deaths per 1,000 population, 1978.....      | 7       |
| 11. Annual rate of growth, 1978 (percent) ..... | 0.9     |

## NOTES:

- Final census figure as reported in *PVSR October 1979*. Population is de jure.
- Census population adjusted at the U.S. Bureau of the Census for a reported 20 percent net underenumeration (*PVSR October 1979*).
4. Data not available.
- Based on the 1976 and 1977 official end-of-year estimates (Bureau voor de Statistiek, table B), adjusted at the U.S. Bureau of the Census taking into consideration the adjusted 1971 census.
- 6-7. Data not available.
- See notes for Midyear Population Estimates.
- 9-10. Derived by interpolation of 1975-80 and 1980-85 projected rates for "Other Caribbean" from U.N. high, medium, and low variant projections (U.N., 1979, annex tables 2-A, 7, and 9). Deaths per 1,000 population round to the same number for all three variants.
11. Projected assuming no significant change in the 1977 growth rate.

## NETHERLANDS ANTILLES

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 169        | 1970                       | 218        | 1950-55 | 1.3                        |
| 1955 | 180        | 1971                       | 221        | 1955-60 | 1.4                        |
| 1960 | 194        | 1972                       | 224        | 1960-65 | 1.3                        |
| 1961 | 195        | 1973                       | 226        | 1965-70 | 1.1                        |
| 1962 | 198        | 1974                       | 229        | 1970-75 | 1.2                        |
| 1963 | 201        | 1975                       | 231        | 1975-79 | 1.0                        |
| 1964 | 204        | 1976                       | 233        |         |                            |
| 1965 | 207        | 1977                       | 236        |         |                            |
| 1966 | 208        |                            |            |         |                            |
| 1967 | 210        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 212        | 1978                       | 238        |         |                            |
| 1969 | 215        | 1979                       | 240        |         |                            |

**NOTES:** 1950-77—Based on official end-of-year estimates for each year (Bureau voor de Statistiek, 1963, 1975, 1977, and 1978), adjusted at the U.S. Bureau of the Census to take into consideration the adjusted 1960 and 1971 censuses.

1978-79—Projected assuming a continuation of the 1977 growth rate.

The following censuses were used in deriving the population time series:

| Census date                          | Enumerated population | Adjusted population | Source   |
|--------------------------------------|-----------------------|---------------------|--|
| December 31, 1960<br>excluding Aruba | 135,715               |                     | The December 1960 enumerated population excluding Aruba as reported in <i>UNDY 1975</i> , table 3. The June 1960 enumerated population of Aruba as reported in <i>UNDY 1975</i> , table 3. The 1971 enumerated population as reported in <i>PVSR July 1979</i> . All enumerated populations are de jure. |
| June 27, 1960<br>Aruba               | 53,199                | 57,000              |  |
| December 31, 1971                    | 218,390               | 223,000             |  |
|                                      |                       |                     | The June 1960 census of Aruba and the 1971 de jure census were adjusted at the U.S. Bureau of the Census for a reported 7.0 percent ( <i>UNDY 1975</i> , table 3) and 2.0 percent ( <i>PVSR July 1979</i> ) under-enumeration, respectively.   |

**MAJOR SOURCES**

- Bureau voor de Statistiek. 1963. *Statistisch Jaarboek, Nederlandse Antillen, 1963*. Curaçao.
- \_\_\_\_\_. 1975. *Statistische Mededelingen, Nederlandse Antillen, 1975*, jaargang 22, no. 7. Curaçao.
- \_\_\_\_\_. 1977. *Statistische Mededelingen, Nederlandse Antillen, 1977*, jaargang 24, no. 10. Curaçao.
- \_\_\_\_\_. 1978. *Statistische Mededelingen, Nederlandse Antillen, 1978*, jaargang 26, no. 6. Curaçao.
- United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of April 20, 1971..... | 1,877,952 |
| 2. Adjusted population, census of April 20, 1971.....   | 1,953,000 |
| 3. Births per 1,000 population, 1976.....               | 47        |
| 4. Deaths per 1,000 population, 1971.....               | 16        |
| 5. Annual rate of growth, 1971 (percent).....           | 2.9       |
| 6. Life expectancy at birth, 1971.....                  | 53        |
| 7. Infant deaths per 1,000 live births, 1971.....       | 122       |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 2,365,000 |
| 9. Births per 1,000 population, 1978.....      | 45-46     |
| 10. Deaths per 1,000 population, 1978.....     | 15-17     |
| 11. Annual rate of growth, 1978 (percent)..... | 0.6-0.8   |

## NOTES:

- Final census figure as reported in Ministerio de Economía..., 1974b, table 1. Population is de jure.
- Census population adjusted at the U.S. Bureau of the Census for 3.8 percent net underenumeration.
- Based on an average of registered births for 1975, 1976, and 1977 (OAS, 1979, p. 15 and *PVSR October 1979*), adjusted for 11 percent underregistration, and the estimated 1976 midyear population.
- Based on an average of registered deaths for 1970, 1971, and 1972 (Ministerio de Economía..., 1976, p. 126) adjusted for 53 percent underregistration, and adjusted 1971 midyear population. The registered deaths for 1972 used in obtaining the average deaths for the 1970-72 period excluded an estimated 10,000 deaths that occurred during the December 1972 earthquake. The percent underregistration was estimated based on a comparison of 1971 registered deaths and deaths derived by applying age-sex-specific death rates from 1971 life tables (see note 6) to 1971 adjusted census population, by age and sex.
- Difference between unrounded 1971 crude birth and death rates (48.1 and 16.3 per 1,000 population, respectively) and an estimated net emigration rate of 3.0 per 1,000 population. The net emigration rate was estimated at the U.S. Bureau of the Census based on estimates by CELADE (U.N., 1975, p. 44 and unpublished computer printouts) for the 1963-71 intercensal period.
- 6-7. Calculated at the U.S. Bureau of the Census using a weighted average of a female life table derived by CELADE (U.N., 1977a, p. 29) and a male life table derived at the U.S. Bureau of the Census. The life tables were derived from 1971 census data using the orphanhood technique for the female, and the logit technique for the male life table. A 1950 Mexico life table for both sexes was adopted as the standard.
- See notes for Midyear Population Estimates.
- Projected range of variation based on assumed trend in the number of births since 1977.
- Projected range of variation based on registered deaths for 1970-77 adjusted for 53 percent underregistration, and assumed trend in the absolute number of deaths since 1977 which takes into consideration an assumed 10,000 deaths due to the 1978-79 civil war (*The Economist*, Sept. 1979, p. 66).
- Range of variation given selected combinations of unrounded crude birth, death, and net emigration rates (46.4, 16.9, and 23.4 per 1,000 population and 46.4, 15.4, and 23.4 per 1,000 population, respectively). The net emigration rate includes an estimated 50,000 refugees as a result of the 1978-79 civil war (U.N., High Commissioner for Refugees, 1979, p. 6).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |         |     |
|------|------------|----------------------------|------------|---------|----------------------------|---------|-----|
| 1950 | 1,084      | 1970                       | 1,908      | 1950-55 | 2.8                        |         |     |
| 1955 | 1,247      | <b>PROJECTED ESTIMATES</b> |            |         |                            | 1955-60 | 2.9 |
| 1960 | 1,438      |                            |            |         |                            | 1960-65 | 2.9 |
| 1961 | 1,479      | 1971                       | 1,964      | 1965-70 | 2.8                        |         |     |
| 1962 | 1,522      | 1972                       | 2,020      | 1970-75 | 2.8                        |         |     |
| 1963 | 1,567      | 1973                       | 2,068      | 1975-79 | 1.9                        |         |     |
| 1964 | 1,612      | 1974                       | 2,129      |         |                            |         |     |
| 1965 | 1,659      | 1975                       | 2,196      |         |                            |         |     |
| 1966 | 1,706      | 1976                       | 2,265      |         |                            |         |     |
| 1967 | 1,755      | 1977                       | 2,336      |         |                            |         |     |
| 1968 | 1,806      | 1978                       | 2,387      |         |                            |         |     |
| 1969 | 1,857      | 1979                       | 2,365      |         |                            |         |     |

**NOTES:** 1950-77—Based on the adjusted 1963 and 1971 censuses, adjusted births and deaths, and estimated net migrants during 1950 to 1977. The trend in vital events is based on the trend of registered births and deaths. The trend in net migration is based on estimates made by CELADE (U.N., 1975, p. 44; and U.N., 1977a) for each 5-year period 1950 to 1980.

1978-79—Based on the estimated midyear 1977 population and projected births, deaths, and net migrants for 1978 and 1979, which take into consideration an estimated 20,000 deaths (*The Economist*, Sept. 1979, p. 66) and an estimated 100,000 refugees (U.N., High Commissioner for Refugees, 1979, p. 6) as a result of the civil war in 1978-79.

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source   |
|----------------|-----------------------|---------------------|--|
| April 25, 1963 | 1,535,588             | 1,559,000           | Enumerated population for 1963 as reported in <i>UNDY 1970</i> , table 7; and for 1971 as reported by Ministerio de Economía..., 1974b, table 1. |
| April 20, 1971 | 1,877,952             | 1,953,000           |  |

The 1963 and 1971 adjusted populations were derived at the U.S. Bureau of the Census based on an adjustment for underenumeration of the population under age 10 in 1963 and under age 15 in 1971. The implied overall underenumeration is 1.5 percent in 1963 and 3.8 percent in 1971.

## MAJOR SOURCES

- Ministerio de Economía, Industria y Comercio and Banco Central de Nicaragua. 1974. *Censos Nacionales 1971, 20 Abril de 1971, Población*, vol. I, *Características Generales*. Managua.
- \_\_\_\_\_. 1976. *Compendio Estadístico, 1965-1974*. San José.
- Organization of American States (OAS). Interamerican Statistical Institute. 1979. *América en Cifras 1977*, vol. 3. Washington, D.C.
- United Nations. CELADE. 1975. *América Latina: Situación Demográfica Alrededor de 1973 y Perspectivas para el Año 2000*, by Jorge L. Somoza. Santiago.
- \_\_\_\_\_. 1977a. Unpublished computer printouts.
- \_\_\_\_\_. 1977b. *Tablas de Mortalidad Femenina de Guatemala, Honduras y Nicaragua*, by Juan Chackiel and Antonio Ortega, series A, no. 1033. San José.
- United Nations. High Commissioner for Refugees. 1979. *UNHCR*, July/Aug. New York.

## BENCHMARK DATA \*

|  |                                   |           |
|--|-----------------------------------|-----------|
| 1. Enumerated population, census of                          | { May 10, 1970 (Panama).....      | 1,428,082 |
|  | { April 1, 1970 (Canal Zone)..... | 44,198    |
| 2. Adjusted population, census of May 10, 1970 (Panama)..... |                                   | 1,447,000 |
| 3. Births per 1,000 population, 1978.....                    |                                   | 29        |
| 4. Deaths per 1,000 population, 1977.....                    |                                   | 5         |
| 5. Annual rate of growth, 1977 (percent).....                |                                   | 2.3       |
| 6. Life expectancy at birth, 1969-71.....                    |                                   | 65        |
| 7. Infant deaths per 1,000 live births, 1975.....            |                                   | 37        |

## PROJECTED ESTIMATES \*

|   |           |
|---|-----------|
| 8. Population, July 1, 1979 .....               | 1,876,000 |
| 9. Births per 1,000 population, 1978 .....      | 29        |
| 10. Deaths per 1,000 population, 1978 .....     | 5         |
| 11. Annual rate of growth, 1978 (percent) ..... | 2.3       |

## NOTES:

1. Final census figure for Panama as reported in Dirección General de Estadística y Censo, 1975, table 7; and for the Canal Zone as reported in U.S. Bureau of the Census, 1975, table 5. Population for the Canal Zone is de jure, including U.S. armed forces stationed in the area.
2. Census population for Panama adjusted for 1.3 percent underenumeration (U.S. Bureau of the Census, 1977). The 1970 census for the Canal Zone has not been evaluated for possible coverage error.
3. Based on adjusted registered births for Panama and registered births for the Canal Zone as reported in *PVSR October 1979*. The 2 percent adjustment for underregistration of births in Panama was derived by comparing 1975 registered births with births estimated by applying age-specific fertility rates derived from the 1975 National Demographic Survey (Médica, 1979, p. 51) to an estimated midyear population. The level of underregistration was assumed to remain constant to 1978.
4. Based on adjusted registered deaths for Panama and registered deaths for the Canal Zone as reported in *PVSR July 1978*. Infant deaths for Panama were adjusted for 19 percent underregistration, deaths over age 1 for 4 percent. The level of underregistration was assumed to remain constant since 1975 for infant deaths, and since 1969-71 for deaths over age 1.
5. Difference between unrounded crude birth and death rates for 1977 (29.4 and 5.2 per 1,000 population), and an estimated net emigration rate of 0.9 per 1,000 population (based on survival ratios of native and foreign born populations of Panama from 1960 and 1970 censuses (DGEC, 1978, p. 17). The net emigration rate was assumed to remain constant through 1977.
6. Based on an empirical life table for Panama derived at the U.S. Bureau of the Census (1977) based on an average of 1969, 1970, and 1971 age-specific mortality rates adjusted for underregistration.
7. Based on reported data from the prospective component of the 1975-77 National Demographic Survey for Panama (Médica, 1979, p. 18), and a registered infant death rate for the Canal Zone (*PVSR October 1979*).
8. See notes for Midyear Population Estimates.
9. See note 3.
10. Projected based on assumed trend of mortality for Panama and the Canal Zone since 1977.
11. Difference between unrounded crude birth, death, and net emigration rates (29.0, 4.9, and 1.0 per 1,000 population, respectively).

\*All data except item 6 refer to Panama, including the former Canal Zone.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 855        | 1970 | 1,497      | 1950-55 | 2.7                        |
| 1955                       | 978        | 1971 | 1,538      | 1955-60 | 2.6                        |
| 1960                       | 1,112      | 1972 | 1,581      | 1960-65 | 3.0                        |
| 1961                       | 1,146      | 1973 | 1,624      | 1965-70 | 2.9                        |
| 1962                       | 1,183      | 1974 | 1,670      | 1970-75 | 2.7                        |
| 1963                       | 1,219      | 1975 | 1,711      | 1975-79 | 2.3                        |
| 1964                       | 1,256      | 1976 | 1,754      |         |                            |
| 1965                       | 1,294      | 1977 | 1,793      |         |                            |
| 1966                       | 1,333      |      |            |         |                            |
| 1967                       | 1,374      |      |            |         |                            |
| <b>PROJECTED ESTIMATES</b> |            |      |            |         |                            |
| 1968                       | 1,415      | 1978 | 1,835      |         |                            |
| 1969                       | 1,456      | 1979 | 1,876      |         |                            |

**NOTES:** 1950-77—Based on the inflated 1950 and adjusted 1960 and 1970 censuses of Panama, adjusted births and deaths for Panama for each year 1950-77, estimated net migration during the 1950-60 and 1960-70 intercensal periods, and official midyear population estimates for the Canal Zone (U.S. Bureau of the Census, 1966, table 2; 1975, table 2; 1978, table 2; and United States Panama Canal Company, 1979).

1978-79—Projected based on the 1977 estimated midyear population, assumed trends in fertility, mortality, and net migration for Panama and the Canal Zone which take into consideration results from the 1976 National Demographic Survey for Panama (Médica, 1979), and the official projection series (DGEC, 1978).

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| <i>Panama</i>     |                       |                     |  |
| December 10, 1950 | 805,285               | 812,000             | The 1950, 1960, and 1970 enumerated population of Panama as reported in Dirección General de Estadística y Censo, 1975, table 5; and of the Canal Zone, as reported in U.S. Bureau of the Census, 1973, table 1.   |
| December 11, 1960 | 1,075,541             | 1,084,500           |  |
| May 10, 1970      | 1,428,082             | 1,447,100           |  |
| <i>Canal Zone</i> |                       |                     |  |
| April 1, 1950     | 52,822                |                     | The 1960 and 1970 censuses of Panama were adjusted at the U.S. Bureau of the Census (1977) for 0.8 and 1.3 percent net underenumeration, respectively. The 1950 census was inflated for the same level of underenumeration as estimated for the 1960 census. |
| April 1, 1960     | 42,122                |                     |  |
| April 1, 1970     | 44,198                |                     |  |

## MAJOR SOURCES

- Dirección General de Estadística y Censo (DGEC). 1975. *Censos Nacionales de 1970: Compendio General de Población*, vol. III. Panama.
- \_\_\_\_\_. 1978. "Proyecciones de Población de la República de Panamá, por Sexo y Grupos de Edad: Años 1950-2000." *Estadística Panameña*, boletín no. 772.
- Médica, Vilma N. 1979. *Informe de Panamá*. Unpublished paper prepared for the National Academy of Sciences Committee on Population and Demography, Panel for Latin America; and United Nations, CELADE.
- U.S. Bureau of the Census. 1966. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1950 to 1965." *Current Population Reports*, series P-25, no. 336. Washington, D.C.
- \_\_\_\_\_. 1973. *Census of Population: 1970*, vol. I, *Characteristics of the Population*, parts 54-58, *Outlying Areas*. Washington, D.C.
- \_\_\_\_\_. 1975. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1960 to 1973." *Current Population Reports*, series P-25, no. 603. Washington, D.C.
- \_\_\_\_\_. 1977. *Country Demographic Profiles—Panama*. Washington, D.C.
- \_\_\_\_\_. 1978. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1970 to 1976." *Current Population Reports*, series P-25, no. 731. Washington, D.C.
- United States Panama Canal Company. 1979. Unpublished data.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of July 9, 1972..... | 2,357,955 |
| 2. Adjusted population, census of July 9, 1972.....   | 2,616,000 |
| 3. Births per 1,000 population, 1972.....             | 37        |
| 4. Deaths per 1,000 population, 1972.....             | 8         |
| 5. Annual rate of growth, 1972 (percent).....         | 2.7       |
| 6. Life expectancy at birth, 1972.....                | 66        |
| 7. Infant deaths per 1,000 live births, 1972.....     | 58        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 3,117,000 |
| 9. Births per 1,000 population, 1978.....      | 31-36     |
| 10. Deaths per 1,000 population, 1978.....     | 7         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.3-2.7   |

## NOTES:

- Final census figure (Dirección General de Estadística y Censos, 1975, table 1).
- Census population adjusted for 9.9 percent underenumeration based on dual system techniques using data from the 1972 post enumeration survey (Marks, 1978, appendix tables 1 and 3) with a further adjustment for the population under age 5 based on estimates of fertility and mortality prior to the census.
- Estimated at the U.S. Bureau of the Census based on an average of own-children estimates of age-specific fertility rates for the years 1970-71 to 1973-74 using data from the 1977 National Demographic Survey as reported in DGEC and CELADE (1978, table 4), and the adjusted 1972 census population moved to midyear.
- Derived at the U.S. Bureau of the Census based on estimated 1972 life table central death rates and adjusted 1972 census population by age and sex, moved to midyear.
- Difference between unrounded crude birth and death rates and a net emigration rate of 3 per 1,000 population based on the average annual number of emigrants estimated by CELADE for the 1970-75 period (U.N., 1978).
- Estimated at the U.S. Bureau of the Census based on life tables constructed by applying the Trussell mortality technique, and the orphanhood and widowhood techniques to data from the 1977 survey (DGEC and CELADE, 1978, tables 1 and 7 to 9).
- Estimated at the U.S. Bureau of the Census based on an application of the Trussell mortality technique to data from the 1977 survey (DGEC and CELADE, 1978, tables 1 and 7).
- See notes for Midyear Population Estimates.
- Projected range of variation based on assumed trends in fertility since 1972. The lower bound is based on a trend in fertility implied by births in the year before the 1977 survey, while the upper bound is based on an application of the Brass fertility technique ( $P_3/F_3$  ratio) to data from the same survey (DGEC and CELADE, 1978).
- Projected based on past trends in mortality.
- Projected range of variation given selected combinations of unrounded crude birth and death rates and net emigration rates (31.0, 6.7, and 1.8 per 1,000 population and 35.7, 6.9, and 1.8 per 1,000 population respectively). The net emigration rate is based on the average annual number of net emigrants projected by CELADE (U.N., 1978) for the 1975-80 period.

## PARAGUAY

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 1,476      | 1970                       | 2,477      | 1950-55 | 2.6                        |
| 1955 | 1,683      | 1971                       | 2,545      | 1955-60 | 2.5                        |
| 1960 | 1,910      | 1972                       | 2,614      | 1960-65 | 2.6                        |
| 1961 | 1,959      |                            |            | 1965-70 | 2.6                        |
| 1962 | 2,010      |                            |            | 1970-75 | 2.6                        |
|      |            | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 2.5                        |
| 1963 | 2,062      | 1973                       | 2,684      |         |                            |
| 1964 | 2,115      | 1974                       | 2,754      |         |                            |
| 1965 | 2,170      | 1975                       | 2,825      |         |                            |
| 1966 | 2,228      | 1976                       | 2,897      |         |                            |
| 1967 | 2,288      | 1977                       | 2,971      |         |                            |
| 1968 | 2,349      | 1978                       | 3,044      |         |                            |
| 1969 | 2,412      | 1979                       | 3,117      |         |                            |

**NOTES:** 1950-72—Based on the 1972 adjusted census population and growth rates estimated by CELADE for the 5-year periods 1950-55 through 1965-70 and the low projected growth rate for 1970-75 (U.N., 1978).

1973-79—Projected by the component method based on the estimated 1972 midyear population, assuming a continued decline in mortality, and further declines in fertility taking into consideration the results of the 1977 National Demographic Survey (DGEC and U.N., 1978, table 4). Emigration was based on projections made by CELADE (U.N., 1978).

#### MAJOR SOURCES

Dirección General de Estadística y Censos (DGEC). 1975. *Censo Nacional de Población y Viviendas 1972*. [Asunción.]

\_\_\_\_\_, and United Nations, CELADE. 1978. *Encuesta Demográfica Nacional del Paraguay: Informe General Sobre Aspectos Demográficos*, by Jorge Arévalo and Lilian Gómez. [Asunción.]

Marks, Eli S. 1978. "The Role of Dual System Estimation in Census Evaluation." *Dual System Estimation of Population Size and Growth*, ed. K. Krótki. University of Alberta Press. Edmonton, Alberta, Canada.

United Nations. CELADE. 1978. Unpublished computer printout.

## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of June 4, 1972..... | 13,538,208 |
| 2. Adjusted population, census of June 4, 1972.....   | 14,235,000 |
| 3. Births per 1,000 population, 1975.....             | 38         |
| 4. Deaths per 1,000 population, 1975.....             | 13         |
| 5. Annual rate of growth, 1975 (percent).....         | 2.5        |
| 6. Life expectancy at birth, 1970-75.....             | 55         |
| 7. Infant deaths per 1,000 live births, 1970-75.....  | 130        |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 17,164,000 |
| 9. Births per 1,000 population, 1978.....      | 36-39      |
| 10. Deaths per 1,000 population, 1978.....     | 12         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.5-2.7    |

## NOTES:

- Final census figure (Oficina Nacional de Estadística y Censos, 1975, table 1). Excludes an estimated 39,800 jungle population.
- Estimate for the census date based on an adjusted midyear population for 1972 and an estimated 1970-75 growth rate (U.N., 1978b), which implies 4.9 percent net under-enumeration.
- Adjusted rate as reported in INE, 1978b, p. 13, based on age-specific fertility rates adjusted by the Brass fertility technique ( $P_2/F_2$  ratio) using data from the 1974-76 multi-round National Demographic Survey.
- Adjusted rate as reported in INE, 1978a, p. 67, based on age-sex-specific central death rates, adjusted by the logit mortality technique, which takes into consideration child survivorship, orphanhood, and widowhood techniques applied to data from the 1974-76 multi-round National Demographic Survey.
- Difference between crude birth and death rates.
- 6-7. Derived from estimated life tables for both sexes as reported in INE, 1978a, p. 52. Life tables were generated from age-sex-specific central death rates, adjusted by the logit mortality technique, taking into consideration results from child survivorship, orphanhood, and widowhood techniques applied to data from the 1974-76 multi-round National Demographic Survey.
- See notes for Midyear Population Estimates.
- 9-11. Projected range of variation based on 1975-80 and 1980-85 projected rates from CELADE's high, medium, and low variant projections (U.N., 1978b), and estimates from the multi-round National Demographic Survey.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 7,832      | 1970                       | 13,504     | 1950-55 | 2.5                        |
| 1955 | 8,864      | 1971                       | 13,879     | 1955-60 | 2.7                        |
| 1960 | 10,162     | 1972                       | 14,264     | 1960-65 | 2.9                        |
| 1961 | 10,438     | 1973                       | 14,660     | 1965-70 | 2.8                        |
| 1962 | 10,727     | 1974                       | 15,067     | 1970-75 | 2.7                        |
| 1963 | 11,040     | 1975                       | 15,485     | 1975-79 | 2.6                        |
| 1964 | 11,372     | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 11,721     | 1976                       | 15,888     |         |                            |
| 1966 | 12,065     | 1977                       | 16,302     |         |                            |
| 1967 | 12,432     |                            |            |         |                            |
| 1968 | 12,798     | 1978                       | 16,727     |         |                            |
| 1969 | 13,148     | 1979                       | 17,164     |         |                            |

**NOTES:** 1950-75—Based on estimated midyear populations for every fifth year, 1950 to 1975 (U.N., 1978b) implying the same underenumeration in the 1961 and 1972 censuses, the trend in fertility and mortality as measured by the vital registration system for 1950-70, and an analysis of the 1972 census and the 1974-76 multi-round National Demographic Survey.

1976-79—Projected based on estimated 1975 midyear population and interpolated crude birth and death rates from CELADE's recommended projection series (U.N., 1978b), taking into account final results from the 1974-76 multi-round National Demographic Survey.

The following censuses were used in deriving the population time series:

| Census date  | Enumerated population | Adjusted population | Source  |
|--------------|-----------------------|---------------------|---|
| June 2, 1961 | 9,906,746             | 10,416,000          | Enumerated populations as reported by Oficina Nacional Estadística y Censos, 1975, table 3. |
| June 4, 1972 | 13,538,208            | 14,235,000          |   |

The 1961 and 1971 adjusted populations are implied by estimated midyear populations for 1961 and 1972, respectively, and estimated 1960-61 and 1970-72 growth rates. The figures imply 4.9 percent net underenumeration for both the 1961 and 1972 censuses.

#### MAJOR SOURCES

Instituto Nacional de Estadística (INE). 1977. *Encuesta Demográfica Nacional del Perú. Informe Preliminar*. Lima.

\_\_\_\_\_. 1978a. *Encuesta Demográfica Nacional del Perú. La Mortalidad en el Perú*, vol. 2. Lima.

\_\_\_\_\_. 1978b. *Encuesta Demográfica Nacional del Perú. La Fecundidad en el Perú*, vol. 3. Lima.

Oficina Nacional de Estadística y Censos. 1975. "Perspectivas de Crecimiento de la Población del Perú, 1960-2000." *Boletín de Análisis Demográfico*, no. 16. Lima.

United Nations. CELADE. 1978a. *Informe sobre Estimaciones (1950-1975) y Proyecciones (1975-2000) de la Población de Perú*, by Jorge L. Somoza and Hernán Orellana. Unpublished.

\_\_\_\_\_. 1978b. Unpublished computer printouts.

**BENCHMARK DATA**

|  |           |
|--|-----------|
| 1. Enumerated population, census of April 1, 1970..... | 2,712,033 |
| 2. Adjusted population, census of April 1, 1970.....   | NA        |
| 3. Births per 1,000 population, 1977.....              | 23        |
| 4. Deaths per 1,000 population, 1977.....              | 6         |
| 5. Annual rate of growth, 1977-78 (percent).....       | 1.1       |
| 6. Life expectancy at birth, 1976.....                 | 74        |
| 7. Infant deaths per 1,000 live births, 1977.....      | 20        |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 3,395,000 |
| 9. Births per 1,000 population, 1978.....      | 23        |
| 10. Deaths per 1,000 population, 1978.....     | 6         |
| 11. Annual rate of growth, 1978 (percent)..... | 1.1       |

**NOTES:**

1. Final census figure as reported in U.S. Bureau of the Census, 1971, table 1.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered data as reported in Department of Health, no date, tables 4-9 and 5-1, and estimated midyear population.
5. Based on the 1977 and 1978 official midyear populations (U.S. Bureau of the Census, 1980, table 1).
6. Based on official estimates of life expectancy at birth from Department of Health, no date, table 9-1.
7. Based on registered data as reported in Department of Health, no date, table 7-1.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming a continuation of the 1977-78 growth rate.

## PUERTO RICO

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,218      | 1970                       | 2,718      | 1950-55 | 0.3                        |
| 1955 | 2,250      | 1971                       | 2,766      | 1955-60 | 0.9                        |
| 1960 | 2,358      | 1972                       | 2,864      | 1960-65 | 1.9                        |
| 1961 | 2,402      | 1973                       | 2,945      | 1965-70 | 0.9                        |
| 1962 | 2,447      | 1974                       | 3,030      | 1970-75 | 2.8                        |
| 1963 | 2,495      | 1975                       | 3,123      | 1975-79 | 2.1                        |
| 1964 | 2,550      | 1976                       | 3,217      |         |                            |
| 1965 | 2,594      | 1977                       | 3,321      |         |                            |
| 1966 | 2,624      | 1978                       | 3,358      |         |                            |
| 1967 | 2,645      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 2,669      | 1979                       | 3,395      |         |                            |
| 1969 | 2,717      |                            |            |         |                            |

**NOTES:** 1950-78—Official midyear population estimates based on 1950, 1960, and 1970 censuses as reported in U.S. Bureau of the Census, 1966, table 2; 1975, table 2; and 1980, table 1.  
1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 1, 1950 | 2,210,703             |                     | Enumerated populations as reported in U.S. Bureau of the Census, 1971, table 1. |
| April 1, 1960 | 2,349,544             |                     |   |
| April 1, 1970 | 2,712,033             |                     |   |

#### MAJOR SOURCES

Department of Health. no date. *Annual Vital Statistics Report: 1977*. San Juan.

U.S. Bureau of the Census. 1966. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1950 to 1965." *Current Population Reports*, series P-25, no. 336. Washington, D.C.

\_\_\_\_\_. 1971. *Census of Population: 1970, Number of Inhabitants, United Summary*. Washington, D.C.

\_\_\_\_\_. 1975. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1960 to 1973." *Current Population Reports*, series P-25, no. 603. Washington, D.C.

\_\_\_\_\_. 1980. "Estimates of the Population of Puerto Rico and the Outlying Areas: 1970 to 1978." *Current Population Reports*, series P-25, no. 872. Washington, D.C.

## BENCHMARK DATA (EXCLUDING ANGUILLA)

|  |        |
|--|--------|
| 1. Enumerated population, census of April 7, 1970..... | 45,608 |
| 2. Adjusted population, census of April 7, 1970.....   | NA     |
| 3. Births per 1,000 population, 1977.....              | 24     |
| 4. Deaths per 1,000 population, 1977.....              | 10     |
| 5. Annual rate of growth, 1977 (percent).....          | 0.8    |
| 6. Life expectancy at birth, 1969-71.....              | 64     |
| 7. Infant deaths per 1,000 live births, 1977.....      | 42     |

## PROJECTED ESTIMATES (INCLUDING ANGUILLA)

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 57,000 |
| 9. Births per 1,000 population, 1978.....      | 24     |
| 10. Deaths per 1,000 population, 1978.....     | 10     |
| 11. Annual rate of growth, 1978 (percent)..... | 0.8    |

## NOTES:

1. Final census figure for St. Christopher-Nevis as reported in University of the West Indies, 1973, table A. The population of Anguilla was estimated to be approximately 6,000 for 1970 (Planning Unit, 1978).
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered births and deaths, and an official midyear population estimate (Planning Unit, 1978). Data are tabulated by year of registration rather than occurrence.
5. Difference between the unrounded crude birth and death rates, and an estimated net emigration rate of 6.2 per 1,000 population. The net emigration rate is based on official estimates of arrivals and departures (Planning Unit, 1978).
6. Derived from a life table for both sexes estimated at the U.S. Bureau of the Census based on registered deaths by broad age groups (*UNDY 1974*, table 25).
7. Based on registered data (Planning Unit, 1978), tabulated by year of registration rather than occurrence.
8. See notes for Midyear Population Estimates.
- 9-11. Projected based on assumed trends in fertility, mortality, and migration, which take into consideration official data for St. Christopher-Nevis.



**MAJOR SOURCES**

Planning Unit. 1978. Personal communication.

University of the West Indies. Census Research Programme. 1964. *Estimates of Intercensal Population by Age and Sex and Revised Vital Rates for British Caribbean Countries: 1946-1960*, publication no. 8. Kingston, Jamaica.

\_\_\_\_\_. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of April 7, 1970..... | 100,893 |
| 2. Adjusted population, census of April 7, 1970.....   | NA      |
| 3. Births per 1,000 population, 1975.....              | 35      |
| 4. Deaths per 1,000 population, 1975.....              | 7       |
| 5. Annual rate of growth, 1975 (percent).....          | 1.7     |
| 6. Life expectancy at birth, 1959-61.....              | 57      |
| 7. Infant deaths per 1,000 live births, 1976.....      | 27      |

## PROJECTED ESTIMATES

|   |         |
|---|---------|
| 8. Population, July 1, 1979 .....               | 121,000 |
| 9. Births per 1,000 population, 1978.....       | 31-33   |
| 10. Deaths per 1,000 population, 1978.....      | 7       |
| 11. Annual rate of growth, 1978 (percent) ..... | 1.5-1.7 |

## NOTES:

1. Final census figure as reported in University of the West Indies, 1973, table A.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered data as reported in *PVSR October 1979*, and estimated midyear population.
5. Based on the difference between unrounded crude birth and death rates, and an estimated net emigration rate of 10.2 per 1,000 population which takes into consideration implied migration for the period 1970-75 based on official midyear population estimates (U.N., 1977) and reported natural increase during the period.
6. Based on official estimates of male and female life expectancy at birth (*UNDY 1975*, table 16), and an assumed sex ratio at birth of 1.05.
7. Registered rate as reported by ECCM Secretariat, 1980.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1975.
11. Projected range of variation based on selected combinations of unrounded crude birth, death, and net emigration rates (30.8, 6.5, and 9.2 and 33.0, 6.6, and 9.7 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 79         | 1970                       | 103        | 1950-55 | 1.6                        |
| 1955 | 86         | 1971                       | 105        | 1955-60 | 0.4                        |
| 1960 | 88         | 1972                       | 107        | 1960-65 | 1.4                        |
| 1961 | 89         | 1973                       | 110        | 1965-70 | 1.8                        |
| 1962 | 90         | 1974                       | 111        | 1970-75 | 1.9                        |
| 1963 | 91         | 1975                       | 113        | 1975-79 | 1.6                        |
| 1964 | 92         | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 94         | 1976                       | 115        |         |                            |
| 1966 | 96         | 1977                       | 117        |         |                            |
| 1967 | 98         |                            |            |         |                            |
| 1968 | 99         | 1978                       | 119        |         |                            |
| 1969 | 101        | 1979                       | 121        |         |                            |

**NOTES:** 1950-59—Based on the adjusted 1946 and 1960 censuses and reported births, deaths, and net migrants from 1950 to April 7, 1960 (University of the West Indies, 1964, table C.7).

1960-69—Based on the adjusted 1960 and inflated 1970 censuses, reported births and deaths (*UNDY 1966*, table 16; *1974*, table 24; *1975*, table 20; *PVSR April 1977*; *PVSR October 1979*; and U.N., 1977), and implied net migration. Net migration is implied by the residual between the 1960-70 intercensal growth and registered natural increase for the intercensal period.

1970-75—Based on official midyear population estimates (U.N., 1977) inflated at the U.S. Bureau of the Census to correspond to the inflated 1970 census.

1976-79—Projected based on assumed trends in fertility, mortality, and net migration.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 9, 1946 | 70,113                | 70,860              | Enumerated populations for 1946 and 1960 as reported in <i>UNDY 1970</i> , table 7, and for 1970 as reported in University of the West Indies, 1973, table A. |
| April 7, 1960 | 86,108                | 87,350              |   |
| April 7, 1970 | 100,893               | 102,000             |   |

The adjusted 1946 and 1960 censuses as reported in University of the West Indies, 1964, tables B.13 and B.14, respectively. The 1970 census was inflated at the U.S. Bureau of the Census using the ratio of the 1960 enumerated to adjusted censuses.

**MAJOR SOURCES**

East Caribbean Common Market (ECCM) Secretariat. 1980. Personal communication.

United Nations. Statistical Office. 1977. Personal communication.

University of the West Indies. Census Research Programme. 1964. *Estimates of Intercensal Population by Age and Sex and Revised Vital Rates for British Caribbean Countries, 1946-1960*, publication no. 8. Kingston, Jamaica.

\_\_\_\_\_. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

## BENCHMARK DATA

|  |        |
|--|--------|
| 1. Enumerated population, census of April 7, 1970..... | 87,305 |
| 2. Adjusted population, census of April 7, 1970.....   | NA     |
| 3. Births per 1,000 population, 1973.....              | 35     |
| 4. Deaths per 1,000 population, 1973.....              | 11     |
| 5. Annual rate of growth, 1973 (percent).....          | 3.3    |
| 6. Life expectancy at birth, 1959-61.....              | 59     |
| 7. Infant deaths per 1,000 live births, 1977.....      | 56     |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 111,200 |
| 9. Births per 1,000 population, 1978.....      | 30-37   |
| 10. Deaths per 1,000 population, 1978.....     | 9-11    |
| 11. Annual rate of growth, 1978 (percent)..... | 2.6-3.2 |

## NOTES:

1. Final census figure as reported in University of the West Indies, 1973, table A.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered data as reported in *PVSR October 1979*, and estimated midyear population. Data are tabulated by year of registration rather than occurrence.
5. Based on the difference between unrounded crude birth and death rates, and an estimated net immigration rate of 8.8 per 1,000 population which takes into consideration implied migration for the period 1970-73 based on official midyear population estimates (U.N., 1977) and reported natural increase during the period.
6. Based on official estimates of life expectancy at birth by sex (*UNDY 1975*, table 16), and an assumed sex ratio at birth of 1.05.
7. Registered rate as reported by ECCM Secretariat, 1980. Data are tabulated by year of registration rather than occurrence.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1973.
11. Projected range of variation based on selected combinations of unrounded crude birth, death, and net immigration rates (30.1, 9.1, and 5.5 and 37.2, 10.6, and 5.5 per 1,000 population, respectively).

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 66.5       | 1970                       | 87.5       | 1950-55 | 2.5                        |
| 1955 | 75.5       | 1971                       | 87.4       | 1955-60 | 1.4                        |
| 1960 | 81.0       | 1972                       | 89.4       | 1960-65 | 1.0                        |
| 1961 | 81.4       | 1973                       | 92.5       | 1965-70 | 0.6                        |
| 1962 | 81.3       |                            |            | 1970-75 | 2.4                        |
| 1963 | 82.4       | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 3.0                        |
| 1964 | 83.8       | 1974                       | 95.5       |         |                            |
| 1965 | 85.1       | 1975                       | 98.6       |         |                            |
| 1966 | 86.3       | 1976                       | 101.7      |         |                            |
| 1967 | 87.3       | 1977                       | 104.9      |         |                            |
| 1968 | 88.0       | 1978                       | 108.0      |         |                            |
| 1969 | 88.2       | 1979                       | 111.2      |         |                            |

**NOTES:** 1950-59—Based on the adjusted 1946 and 1960 censuses and reported births, deaths, and net migrants from 1950 to April 7, 1960 (University of the West Indies, 1964, table C.8).

1960-73—Based on the adjusted 1960 and inflated 1970 censuses, reported births and deaths (UNDY 1966, table 16; 1967, table 17; 1974, table 24; 1975, tables 12 and 20; and PVSR October 1979), and implied net migration. Net migration is implied by the residual between the 1960-70 intercensal growth and registered natural increase for the intercensal period, and between the growth for the 1970-73 period based on official midyear population estimates (U.N., 1977) and registered natural increase during the period.

1974-79—Projected based on assumed trends in fertility, mortality, and net migration.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 9, 1946 | 61,647                | 61,780              | Enumerated populations for 1946 and 1960 as reported in UNDY 1970, table 7; and for 1970 as reported in University of the West Indies, 1973, table A. |
| April 7, 1960 | 79,948                | 80,400              |   |
| April 7, 1970 | 87,305                | 88,000              |   |

The adjusted 1946 and 1960 censuses as reported in University of the West Indies, 1964, tables B.15 and B.16, respectively. The 1970 census was inflated at the U.S. Bureau of the Census using the ratio of the 1960 enumerated to adjusted censuses.

**MAJOR SOURCES**

East Caribbean Common Market (ECCM) Secretariat. 1980. Personal communication.

United Nations. Statistical Office. 1977. Personal communication.

University of the West Indies. Census Research Programme. 1964. *Estimates of Intercensal Population by Age and Sex and Revised Vital Rates for British Caribbean Countries: 1946-1960*, publication no. 8. Kingston, Jamaica.

\_\_\_\_\_. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of December 31, 1971..... | 379,607 |
| 2. Adjusted population, census of December 31, 1971.....   | NA      |
| 3. Births per 1,000 population, 1976.....                  | 30      |
| 4. Deaths per 1,000 population, 1976.....                  | 7       |
| 5. Annual rate of growth, 1976 (percent).....              | 3.0     |
| 6. Life expectancy at birth, 1963.....                     | 65      |
| 7. Infant deaths per 1,000 live births, 1968.....          | 39      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 404,000 |
| 9. Births per 1,000 population, 1978.....      | 27-30   |
| 10. Deaths per 1,000 population, 1978.....     | 7       |
| 11. Annual rate of growth, 1978 (percent)..... | 2.6-3.0 |

## NOTES:

1. Census figure reported by Algemeen Bureau voor de Statistiek, 1977.
2. The 1971 census has not been evaluated for possible coverage error.
- 3-4. Based on registered births and deaths for 1976 (Algemeen Bureau voor de Statistiek, 1977) and the estimated midyear population.
5. Calculated from official end-of-year population estimates for 1975 and 1976 (Algemeen Bureau voor de Statistiek, 1977). This growth rate implies a net immigration rate of 7.0 per 1,000 population.
6. Based on estimates of life expectancy by sex reported in *UNDY 1975*, table 16, and a sex ratio at birth of 1.05.
7. Based on registered births and infant deaths as reported in Lamur, 1973, tables 12 and 39.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range based on assumed trends in fertility and mortality since 1976.
11. Range of variation given selected combinations of crude birth and death rates (26.5 and 7.1 per 1,000 population and 30.2 and 7.0 per 1,000 population, respectively) and a net immigration rate of 7.0 per 1,000 population. The migration rate used was that estimated for 1976.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 208        | 1970                       | 373        | 1950-55 | 2.9                        |
| 1955 | 240        | 1971                       | 377        | 1955-60 | 3.4                        |
| 1960 | 285        | 1972                       | 382        | 1960-65 | 3.4                        |
| 1961 | 294        | 1973                       | 386        | 1965-70 | 2.0                        |
| 1962 | 305        | 1974                       | 386        | 1970-75 | 0.1                        |
| 1963 | 316        | 1975                       | 374        | 1975-79 | 1.9                        |
| 1964 | 327        | 1976                       | 371        |         |                            |
| 1965 | 337        | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1966 | 346        | 1977                       | 382        |         |                            |
| 1967 | 354        |                            |            |         |                            |
| 1968 | 362        | 1978                       | 393        |         |                            |
| 1969 | 368        | 1979                       | 404        |         |                            |

**NOTES:** 1950-71—Based on the censuses of 1950, 1964, and 1971, and the trend in registered births, deaths, and net migration since 1950.

1972-76—Based on the official end-of-year population estimates for 1971-76 (Algemeen Bureau voor de Statistiek, 1977).

1977-79—Projected based on the official estimated 1976 end-of-year population and assumed growth rates for 1977 to 1979.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| October 31, 1950  | 209,681               |                     | Enumerated populations for 1950 and 1964 as reported in <i>UNDY 1970</i> , table 6; and for 1971 as reported in Algemeen Bureau voor de Statistiek, 1977. |
| March 31, 1964    | 324,211               |                     |   |
| December 31, 1971 | 379,607               |                     |   |

#### MAJOR SOURCES

Algemeen Bureau voor de Statistiek. 1977. *Suriname in Vogelvlucht*, no. 83. [Paramaribo.]

Lamur, H. E. 1973. *The Demographic Evolution of Surinam 1920-1970—A Sociodemographic Analysis*. The Hague.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of April 7, 1970..... | 940,719   |
| 2. Adjusted population, census of April 7, 1970.....   | 1,027,000 |
| 3. Births per 1,000 population, 1978.....              | 25        |
| 4. Deaths per 1,000 population, 1978.....              | 7         |
| 5. Annual rate of growth, 1978 (percent).....          | 1.5       |
| 6. Life expectancy at birth, 1975.....                 | 67        |
| 7. Infant deaths per 1,000 live births, 1978.....      | 29        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 1,150,000 |
| 9. Births per 1,000 population, 1978.....      | 25        |
| 10. Deaths per 1,000 population, 1978.....     | 7         |
| 11. Annual rate of growth, 1978 (percent)..... | 1.5       |

## NOTES:

1. Final census figure (University of the West Indies, 1973, table A).
2. Estimate for the census date based on official midyear population estimates for 1969 and 1970 (Central Statistical Office, 1978a and 1978b), which implies 8.4 percent net underenumeration.
- 3-4. Provisional registered rates as reported in *PVSR October 1979*.
5. Based on the difference between unrounded crude birth and death rates and an estimated net emigration rate of 4.0 per 1,000 population derived from official arrival and departure data (Central Statistical Office, 1979b, tables 1 and 2).
6. Based on official estimates of male and female life expectancy at birth (Central Statistical Office, 1978a), and an assumed sex ratio at birth of 1.05.
7. Provisional registered rate as reported in *PVSR October 1979*.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 632        | 1970                       | 1,027      | 1950-55 | 2.6                        |
| 1955 | 721        | 1971                       | 1,033      | 1955-60 | 3.1                        |
| 1960 | 841        | 1972                       | 1,045      | 1960-65 | 2.9                        |
| 1961 | 868        | 1973                       | 1,058      | 1965-70 | 1.1                        |
| 1962 | 900        | 1974                       | 1,067      | 1970-75 | 1.0                        |
| 1963 | 924        | 1975                       | 1,082      | 1975-79 | 1.5                        |
| 1964 | 951        | 1976                       | 1,098      |         |                            |
| 1965 | 974        | 1977                       | 1,117      |         |                            |
| 1966 | 995        | 1978                       | 1,133      |         |                            |
| 1967 | 1,010      |                            |            |         |                            |
| 1968 | 1,021      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1969 | 1,028      | 1979                       | 1,150      |         |                            |

**NOTES:** 1950-78—Official midyear estimates (Central Statistical Office, 1978b, table 1; 1979a, table 20; and 1979c) based on the adjusted 1946, 1960, and 1970 censuses.

1979—Projected assuming a continuation of the 1978 calendar-year growth rate.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 9, 1946 | 557,970               | 563,000             | Enumerated populations for 1946 and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in University of the West Indies, 1973, table A.<br><br>The 1946 and 1960 enumerated populations were adjusted for net underenumeration of the population under 5 years of age as reported in University of the West Indies, 1964, tables B.3 and B.4, respectively. The 1970 adjusted estimate for the census date based on official mid-year population estimates for 1969 and 1970 (Central Statistical Office, 1978a and 1978b), which implies 8.4 percent net underenumeration. |
| April 7, 1960 | 827,957               | 834,350             |   |
| April 7, 1970 | 940,719               | 1,027,000           |   |

**MAJOR SOURCES**

Central Statistical Office. 1978a. Personal communication.

\_\_\_\_\_. 1978b. *Population and Vital Statistics 1975 Report*. Port of Spain.

\_\_\_\_\_. 1979a. *Annual Statistical Digest 1976/77*, no. 24. Port of Spain.

\_\_\_\_\_. 1979b. *Monthly Travel Report*, Dec. 1978. Port of Spain.

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University of the West Indies. Census Research Programme. 1964. *Estimates of Intercensal Population by Age and Sex and Revised Vital Rates for British Caribbean Countries: 1946-1960*, publication no. 8. Kingston, Jamaica.

\_\_\_\_\_. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

## TURKS AND CAICOS ISLANDS

### BENCHMARK DATA

|   |       |
|---|-------|
| 1. Enumerated population, census of October 25, 1970..... | 5,607 |
| 2. Adjusted population, census of October 25, 1970.....   | NA    |
| 3. Births per 1,000 population, 1975.....                 | 26    |
| 4. Deaths per 1,000 population, 1975.....                 | 9     |
| 5. Annual rate of growth, 1975 (percent).....             | 1.9   |
| 6. Life expectancy at birth.....                          | NA    |
| 7. Infant deaths per 1,000 live births, 1970-75.....      | 43    |

### PROJECTED ESTIMATES

|  |       |
|--|-------|
| 8. Population, July 1, 1979.....               | 6,600 |
| 9. Births per 1,000 population, 1978.....      | 26    |
| 10. Deaths per 1,000 population, 1978.....     | 9     |
| 11. Annual rate of growth, 1978 (percent)..... | 1.9   |

### NOTES:

1. Final census figure as reported in University of the West Indies, 1973, table A.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered data as reported in *PVSR January 1980*. Data are tabulated by year of registration rather than occurrence.
5. Based on the difference between the unrounded crude birth and death rates (26.2 and 8.9 per 1,000 population, respectively), and an estimated net immigration rate of 2.2 per 1,000 population. Estimated net immigration is based on the 1943, 1954, 1960, and 1970 censuses, registered births and deaths for the three intercensal periods, and assumed trends in implied net migration which take into consideration the official midyear population estimate for 1975 (U.N., 1977).
6. Data not available.
7. Based on an average of 1970, 1971, 1973, and 1975 registered infant deaths and live births (*UNDY 1974*, table 20; *1975*, table 25; and *PVSR January 1980*).
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1975.
11. Projected assuming no significant change in the 1975 growth rate.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 5.0        | 1970                       | 5.6        | 1950-55 | 0.5                        |
| 1955 | 5.2        | 1971                       | 5.6        | 1955-60 | 2.1                        |
| 1960 | 5.7        | 1972                       | 5.7        | 1960-65 | 0.1                        |
| 1961 | 5.8        | 1973                       | 5.8        | 1965-70 | -0.5                       |
| 1962 | 5.8        | 1974                       | 5.9        | 1970-75 | 1.5                        |
| 1963 | 5.9        | 1975                       | 6.1        | 1975-79 | 1.9                        |
| 1964 | 5.8        | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1965 | 5.8        | 1976                       | 6.2        |         |                            |
| 1966 | 5.7        | 1977                       | 6.3        |         |                            |
| 1967 | 5.6        |                            |            |         |                            |
| 1968 | 5.6        | 1978                       | 6.4        |         |                            |
| 1969 | 5.6        | 1979                       | 6.6        |         |                            |

**NOTES:** 1950-59—Based on the 1943, 1954, and 1960 de facto censuses, reported births and deaths (*UNDY 1954*, tables 8 and 28; *1965*, table 11; *1966*, table 16; *1969*, table 11; *1975*, table 20; and U.N. Statistical Office, 1977), and estimated intercensal migration.

1960-75—Based on the 1960 and 1970 de facto censuses, official midyear population estimates (U.N., 1977) adjusted at the U.S. Bureau of the Census to a de facto series, reported births and deaths (*UNDY 1966*, table 16; *1967*, table 17; *1974*, table 24; *1975*, tables 12 and 20; *PVSR October 1977*; and U.N., 1977), and estimated net migration. Estimated net migration is based on the 1960 and 1970 de facto censuses, registered births and deaths during the intercensal period, and assumed trends in implied net migration which take into consideration the official midyear population estimates for 1972 to 1975.

1976-79—Projected assuming a continuation of the 1975 calendar-year growth rate.

The following censuses were used in deriving the population time series:

| Census date                  | Enumerated population | Adjusted population | Source   |
|------------------------------|-----------------------|---------------------|--|
| January 4, 1943<br>de jure   | 6,138                 |                     | Enumerated populations for 1943, 1954, and 1960 as reported in <i>UNDY 1970</i> , table 7; and for 1970 as reported in University of the West Indies, table A.                     |
| est. de facto                | 6,200                 |                     |  |
| June 4, 1954<br>de facto     | 5,052                 |                     | The enumerated de jure population for 1943 was inflated at the U.S. Bureau of the Census to represent a de facto figure, using the ratio of the 1960 de facto to de jure censuses. |
| April 7, 1960<br>de jure     | 5,668                 |                     |  |
| de facto                     | 5,716                 |                     |  |
| October 25, 1970<br>de facto | 5,607                 |                     |  |

#### MAJOR SOURCES

United Nations. Statistical Office. 1977. Personal communication.

University of the West Indies. Census Research Programme. 1973. *1970 Population Census of the Commonwealth Caribbean*, vol. 3, *Populations by Five-Year Age Groups and by Single Years of Age*. Kingston, Jamaica.

. 1976. *1970 Population Census of the Commonwealth Caribbean*, vol. 4, *Economic Activity, Occupation and Industry*, part 16. Kingston, Jamaica.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of May 21, 1975..... | 2,781,778 |
| 2. Adjusted population, census of May 21, 1975.....   | 2,842,000 |
| 3. Births per 1,000 population, 1976.....             | 21        |
| 4. Deaths per 1,000 population, 1976.....             | 10        |
| 5. Annual rate of growth, 1976 (percent).....         | 0.6       |
| 6. Life expectancy at birth, 1975.....                | 69        |
| 7. Infant deaths per 1,000 live births, 1976.....     | 46        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 2,910,000 |
| 9. Births per 1,000 population, 1978.....      | 19-21     |
| 10. Deaths per 1,000 population, 1978.....     | 10        |
| 11. Annual rate of growth, 1978 (percent)..... | 0.5-0.7   |

## NOTES:

1. Preliminary census figure as reported in *PVSR July 1979*. This figure is a weighted sample population.
2. Estimate for the census date based on an adjusted midyear population for 1975 (U.N., 1977a, table 10) and an estimated midyear 1974 to midyear 1975 growth rate, which implies 2.1 percent net underenumeration.
- 3-4. Based on registered births and deaths as reported in *PVSR July 1979* and the estimated 1976 midyear population.
5. Difference between unrounded crude birth and death rates and a net emigration rate of 4.5 per 1,000 population. The net emigration rate is based on U.N. projected estimates (1977a, table 7) which were derived using the 1963 census, the 1975 census, the results from the 1976 Survey of International Emigration in Uruguay (Dirección General de Estadística y Censos, 1976, p. 18), and assumptions regarding the trend of migration after 1975.
6. Estimate derived using deaths for 1972-74, and 1975 census data, by age and sex, as reported in U.N. (1977a, p. 5).
7. Based on registered births and infant deaths as reported in *PVSR July 1979*.
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumptions of fertility and mortality based on U.N. projections (1977a, tables 4 and 6; and 1977b).
10. Projected rate based on assumed trends in mortality since 1976.
11. Projected range of variation based on selected combinations of unrounded crude birth, death, and net emigration rates (19.2, 10.1, and 4.1 per 1,000 population and 21.0, 10.1, and 4.0 per 1,000 population, respectively). The net migration rate is based on projected estimates by the U.N. (1977a, table 7) which assumed that emigration would gradually decline between the period 1970-75 and the period 1995-2000 after which it would return to the same level as during the 1960-65 period (U.N., 1977a, p. 17).

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 2,194      | 1970                       | 2,824      | 1950-55 | 1.4                        |
| 1955 | 2,353      | 1971                       | 2,826      | 1955-60 | 1.5                        |
| 1960 | 2,531      | 1972                       | 2,830      | 1960-65 | 1.2                        |
| 1961 | 2,564      | 1973                       | 2,835      | 1965-70 | 0.9                        |
| 1962 | 2,598      | 1974                       | 2,839      | 1970-75 | 0.1                        |
| 1963 | 2,632      | 1975                       | 2,842      | 1975-79 | 0.6                        |
| 1964 | 2,664      | 1976                       | 2,860      |         |                            |
| 1965 | 2,693      | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1966 | 2,721      | 1977                       | 2,878      |         |                            |
| 1967 | 2,749      |                            |            |         |                            |
| 1968 | 2,777      | 1978                       | 2,894      |         |                            |
| 1969 | 2,802      | 1979                       | 2,910      |         |                            |

**NOTES:** 1950-75—Based on midyear population estimates for 1950, 1955, 1960, 1965, 1970, and 1975 derived from the results of the 1963 and 1975 adjusted censuses (U.N., 1977a, pp. 2-3 and table 10), adjusted births and deaths, and estimated migration (U.N., 1977a, table 7).

1976-79—Based on the adjusted 1975 midyear population, registered births and deaths for 1975 and 1976, projected births and deaths for 1977 to 1979, and net migrants for 1975 to 1980 as projected by CELADE (U.N., 1977a, table 7).

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| October 16, 1963 | 2,595,510             | 2,641,000           | The 1963 enumerated population is from <i>UNDY 1970</i> , table 7. The 1975 enumerated population is provisional as reported in <i>PVSR July 1979</i> . This figure is a weighted sample population.<br><br>The 1963 adjusted population is implied by the estimated 1963 mid-year population (U.N., 1977a) and estimated midyear 1963 to midyear 1964 growth rate. The 1975 adjusted population is implied by an adjusted 1975 midyear population (U.N., 1977a) and an estimated mid-year 1974 to midyear 1975 growth rate. |
| May 21, 1975     | 2,781,778             | 2,842,000           |  |

#### MAJOR SOURCES

Dirección General de Estadística y Censos. 1976. *Encuesta de Emigración Internacional 1976*. Montevideo.

United Nations. CELADE. 1977a. "Uruguay, Proyecciones de Población por Sexo y Grupos de Edades, 1950-2000," by José M. Pujol in collaboration with Hernán Orellana. Unpublished.

\_\_\_\_\_. 1977b. Unpublished computer printout.

## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of November 2, 1971..... | 10,721,522 |
| 2. Adjusted population, census of November 2, 1971.....   | 11,234,000 |
| 3. Births per 1,000 population, 1977.....                 | 36         |
| 4. Deaths per 1,000 population, 1977.....                 | 6          |
| 5. Annual rate of growth, 1977 (percent).....             | 3.3        |
| 6. Life expectancy at birth, 1971.....                    | 65         |
| 7. Infant deaths per 1,000 live births, 1975-77.....      | 45         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 14,539,000 |
| 9. Births per 1,000 population, 1978.....      | 36         |
| 10. Deaths per 1,000 population, 1978.....     | 6          |
| 11. Annual rate of growth, 1978 (percent)..... | 3.3        |

## NOTES:

1. Census figure as reported in Dirección General de Estadística y Censos Nacionales, 1974, table 1.
2. Estimate for the census date based on a midyear population for 1971 estimated by CELADE and an estimated 1971-72 growth rate implying 4.6 percent net underenumeration.
3. Calculated based on registered births (*PVSR October 1979*) adjusted at the U.S. Bureau of the Census for 4 percent underregistration, and the estimated 1977 midyear population. The adjustment for births was based on a study by Picouet (1977) of registered births for 1957-75 assuming the same underregistration in 1977 as was estimated for 1975.
4. Calculated based on registered deaths (*PVSR October 1979*) adjusted at the U.S. Bureau of the Census for 8 percent underregistration, and the estimated 1977 midyear population. The adjustment for deaths was based on the trend in underregistration estimated by comparing registered deaths for 1960-75 with CELADE's estimated deaths for these years (U.N., 1978b).
5. Difference between unrounded crude birth and death rates and a net immigration rate of 3.4 per 1,000. Net immigration was estimated at the U.S. Bureau of the Census based on a study of emigration from Colombia to Venezuela during 1963-73 (Colombia, 1977).
6. Derived from a life table for both sexes estimated at the U.S. Bureau of the Census based on adjusted registered deaths for 1971 and a sex ratio at birth of 1.05.
7. Calculated from registered infant deaths and births (*UNDY 1977*, table 15; and *PVSR July 1979*) adjusted for 8 and 4 percent underregistration, respectively.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming a continuation of the 1977 growth rate.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 5,145      | 1970                       | 10,709     | 1950-55 | 3.4                        |
| 1955 | 6,110      | 1971                       | 11,101     | 1955-60 | 4.4                        |
| 1960 | 7,632      | 1972                       | 11,497     | 1960-65 | 3.6                        |
| 1961 | 7,920      | 1973                       | 11,891     | 1965-70 | 3.2                        |
| 1962 | 8,210      | 1974                       | 12,299     | 1970-75 | 3.4                        |
| 1963 | 8,511      | 1975                       | 12,722     | 1975-79 | 3.3                        |
| 1964 | 8,814      | 1976                       | 13,153     |         |                            |
| 1965 | 9,119      | 1977                       | 13,605     |         |                            |
| 1966 | 9,422      |                            |            |         |                            |
| 1967 | 9,728      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 10,045     | 1978                       | 14,064     |         |                            |
| 1969 | 10,361     | 1979                       | 14,539     |         |                            |

**NOTES:** 1950-70—Based on estimated midyear populations for every fifth year, 1950-70 (U.N., 1978b), and the estimated trend in fertility, mortality, and migration.

1971-77—Based on 1970 estimated midyear population, adjusted births and deaths, and estimated net immigration.

1978-79—Projected assuming a continuation of the 1977 growth rate.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| November 26, 1950 | 5,034,838             | 5,212,000           | The 1950 and 1961 enumerated populations as reported in <i>UNDY 1970</i> , table 7. The 1971 enumerated population as reported in Dirección General de Estadística y Censos Nacionales, 1974, table 1. |
| February 26, 1961 | 7,523,999             | 7,820,000           |  |
| November 2, 1971  | 10,721,522            | 11,234,000          |  |

The 1950, 1961, and 1971 adjusted populations were calculated at the U.S. Bureau of the Census. The 1950 adjusted population is based on a midyear population for 1950 estimated by CELADE and an estimated 1950-51 growth rate, which implies 3.4 percent net underenumeration. The 1961 adjusted population is based on a midyear population for 1961 estimated by CELADE and an estimated 1960-61 growth rate, which implies 3.8 percent net underenumeration. The 1971 adjusted population is based on the midyear population for 1971 projected by CELADE and which implies 4.6 percent net underenumeration.

## MAJOR SOURCES

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Picouet, Michel R. 1977. "Natalidad y Fecundidad en Venezuela." Paper presented at the Aug. 1977 meeting of the International Union for the Scientific Study of Population, Mexico City. Unpublished.

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\_\_\_\_\_. 1978b. Unpublished computer printout.

Venezuela. Dirección General de Estadística y Censos Nacionales. 1974. *X Censo de Población y Vivienda, Venezuela—Resumen General*. Caracas.

\_\_\_\_\_. 1977. *Anuario Estadístico 1974*, vol. II. Caracas.

**BENCHMARK DATA**

|  |        |
|--|--------|
| 1. Enumerated population, census of April 1, 1970..... | 62,468 |
| 2. Adjusted population, census of April 1, 1970.....   | NA     |
| 3. Births per 1,000 population, 1977.....              | 26     |
| 4. Deaths per 1,000 population, 1977.....              | 4      |
| 5. Annual rate of growth, 1977-78 (percent).....       | 2.9    |
| 6. Life expectancy at birth, 1970.....                 | 68     |
| 7. Infant deaths per 1,000 live births, 1976.....      | 27     |

**PROJECTED ESTIMATES**

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 98,700 |
| 9. Births per 1,000 population, 1978.....      | 26     |
| 10. Deaths per 1,000 population, 1978.....     | 4      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.9    |

**NOTES:**

1. Final census figure as reported in U.S. Bureau of the Census, 1971, table 1.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on preliminary registered data as reported by the Department of Health, 1979, and estimated midyear population.
5. Based on the 1977 and 1978 official midyear populations (U.S. Bureau of the Census, 1980, table 1).
6. Derived from a life table for both sexes estimated at the U.S. Bureau of the Census based on registered deaths by broad age groups (U.S. National Center for Health Statistics, 1974, table 8.5). Data refer to the resident population.
7. Based on registered data as reported in Department of Health, 1976, table M-8.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming a continuation of the 1977-78 growth rate.

## VIRGIN ISLANDS

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 26.9       | 1970                       | 63.5       | 1950-55 | 0.5                        |
| 1955 | 27.6       | 1971                       | 70.9       | 1955-60 | 3.3                        |
| 1960 | 32.5       | 1972                       | 76.3       | 1960-65 | 5.8                        |
| 1961 | 34.3       | 1973                       | 84.1       | 1965-70 | 7.6                        |
| 1962 | 35.0       | 1974                       | 90.0       | 1970-75 | 8.0                        |
| 1963 | 39.8       | 1975                       | 94.5       | 1975-79 | 1.1                        |
| 1964 | 40.8       | 1976                       | 96.2       |         |                            |
| 1965 | 43.5       | 1977                       | 93.2       |         |                            |
| 1966 | 46.2       | 1978                       | 95.9       |         |                            |
| 1967 | 49.1       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 55.7       | 1979                       | 98.7       |         |                            |
| 1969 | 60.3       |                            |            |         |                            |

**NOTES:** 1950-78—Official midyear population estimates based on the 1950, 1960, and 1970 censuses as reported in U.S. Bureau of the Census, 1966, table 2; 1975, table 2; and 1980, table 1.

1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 1, 1950 | 26,665                |                     | Enumerated populations as reported in U.S. Bureau of the Census, 1971, table 1. |
| April 1, 1960 | 32,099                |                     |   |
| April 1, 1970 | 62,468                |                     |   |

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\_\_\_\_\_. 1971. *Census of Population: 1970, Number of Inhabitants, United States Summary*. Washington, D.C.

\_\_\_\_\_. 1975. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1960 to 1973." *Current Population Reports*, series P-25, no. 603. Washington, D.C.

\_\_\_\_\_. 1980. "Estimates of the Population of Puerto Rico and the Outlying Areas: 1970 to 1978." *Current Population Reports*, series P-25, no. 872. Washington, D.C.

U.S. National Center for Health Statistics. 1974. *Vital Statistics of the United States: 1970*, vol. II, *Mortality*, part B. Rockville.

# NORTHERN AMERICA



# EUROPE AND THE SOVIET UNION



## Countries not shown

Andorra  
Gibraltar  
Isle of Man  
Lichtenstein  
Malta  
Monaco  
San Marino

Note: The United States Government has not recognized the incorporation of Estonia, Latvia, and Lithuania into the Soviet Union.

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Table D-1. **Population of Northern America, Europe, and the Soviet Union, 1979, and Vital Rates, 1978, by Subregion**

| Subregion                                       | Estimated population July 1, 1979 (thousands) | 1978                        |                             |     | Rate of growth (percent) |
|---|---|-----------------------------|-----------------------------|-----|--------------------------|
|   |   | Births per 1,000 population | Deaths per 1,000 population |     |                          |
| Northern America, Europe, and Soviet Union..... | 989,977                                       | 15                          | 10                          | 0.6 |                          |
| Northern America.....                           | 244,391                                       | 15                          | 9                           | 0.8 |                          |
| Eastern Europe.....                             | 108,818                                       | 17                          | 11                          | 0.6 |                          |
| Northern Europe.....                            | 81,980  | 12                          | 11                          | 0.1 |                          |
| Southern Europe.....                            | 138,472                                       | 15                          | 9                           | 0.8 |                          |
| Western Europe.....                             | 152,916                                       | 11                          | 11                          | 0.2 |                          |
| Soviet Union.....                               | 263,400                                       | 18                          | 10                          | 0.9 |                          |

Table D-2. **Population of Northern America, Europe, and the Soviet Union and Average Annual Rates of Growth, by Subregion: 1950 to 1979**

| Subregion                                       | Midyear population (thousands) |         |         |         |         |         |      |
|---|--------------------------------|---------|---------|---------|---------|---------|------|
|   | 1979                           | 1975    | 1970    | 1965    | 1960    | 1955    | 1950 |
| Northern America, Europe, and Soviet Union..... | 989,977                        | 964,741 | 928,850 | 889,357 | 838,273 | 785,949 |      |
| Northern America.....                           | 244,391                        | 236,401 | 226,309 | 214,075 | 198,662 | 181,740 |      |
| Eastern Europe.....                             | 108,818                        | 106,110 | 102,996 | 99,811  | 96,556  | 92,795  |      |
| Northern Europe.....                            | 81,980                         | 81,573  | 80,348  | 78,429  | 75,831  | 73,830  |      |
| Southern Europe.....                            | 138,472                        | 133,897 | 128,175 | 123,397 | 118,402 | 113,750 |      |
| Western Europe.....                             | 152,916                        | 152,367 | 148,266 | 142,709 | 134,493 | 127,676 |      |
| Soviet Union.....                               | 263,400                        | 254,393 | 242,757 | 230,936 | 214,329 | 196,159 |      |

| Subregion                                       | Average annual rate of growth (percent) |         |         |         |         |         |
|---|---|---------|---------|---------|---------|---------|
|   | 1975-79                                 | 1970-75 | 1965-70 | 1960-65 | 1955-60 | 1950-55 |
| Northern America, Europe, and Soviet Union..... | 0.6                                     | 0.8     | 0.9     | 1.2     | 1.3     | 1.2     |
| Northern America.....                           | 0.8                                     | 0.9     | 1.1     | 1.5     | 1.8     | 1.8     |
| Eastern Europe.....                             | 0.6                                     | 0.6     | 0.6     | 0.7     | 0.8     | 0.9     |
| Northern Europe.....                            | 0.1                                     | 0.3     | 0.5     | 0.7     | 0.5     | 0.4     |
| Southern Europe.....                            | 0.8                                     | 0.9     | 0.8     | 0.8     | 0.8     | 0.8     |
| Western Europe.....                             | 0.1                                     | 0.5     | 0.8     | 1.2     | 1.0     | 0.8     |
| Soviet Union.....                               | 0.9                                     | 0.9     | 1.0     | 1.5     | 1.8     | 1.7     |

Note: For a list of countries comprising each subregion, see Composition of Subregions, pp. 18 and 19.

## Population Growth in Northern America, Europe, and the Soviet Union: 1950 to 1979

The lowest rates of population growth among the regions of the world throughout the 1950-79 period occurred in the more developed regions of Northern America, Europe, and the Soviet Union. Characterized by low fertility and low mortality, this combined area's average annual population growth rate has decreased continuously, from 1.3 percent in 1955-60 to 0.6 percent in the 1975-79 period. The share of the world population in Northern America, Europe, and the Soviet Union combined declined from 29 percent in 1950 to 22 percent in 1979.

The subregions of Europe have experienced a variety of population growth patterns during 1950-79, fluctuating at levels below 1 percent for most of the period. With rates in the 1950's already low by world standards, in 1978 some of Europe's most populous nations (Federal Republic of Germany, German Democratic Republic, and the United Kingdom) had zero population growth rates, or even negative rates. Others (Italy, France) had annual growth rates under 0.5 percent, and only a few European countries, primarily the smaller nations, had 1978 growth rates exceeding 1 percent. These generally low rates of increase are the result of very small differences between the crude birth rate and the crude death rate, both of which are low. Total

fertility rates indicate that fertility is below the replacement level in many European countries.

Eight of Europe's more populous nations have experienced an increase in crude death rates during the recent past, because larger proportions of the population are in the older age groups. European populations could, therefore, continue to exhibit reductions in growth in the near future with or without further declines in fertility.

The other more developed regions include the Soviet Union and the United States, the third and fourth most populous countries in the world. Growth rates for both the Soviet Union and the Northern America subregion have generally declined, from levels of 1.7-1.8 percent in 1950-55 to 0.8-0.9 percent in 1975-79. However, the combined population of Northern America and the Soviet Union in 1950 was about 46 million *smaller* than the population of Europe; by 1979 this relationship had been reversed and the combined population of Northern America and the Soviet Union was approximately 26 million *larger* than the population of Europe. This reversal was the product of higher rates of natural increase in Northern America and the Soviet Union, net international immigration to Northern America, and net international emigration from Europe.

## BENCHMARK DATA

|   |        |
|---|--------|
| 1. Enumerated population, census of October 29, 1970..... | 52,976 |
| 2. Adjusted population, census of October 29, 1970.....   | NA     |
| 3. Births per 1,000 population, 1977.....                 | 13     |
| 4. Deaths per 1,000 population, 1977.....                 | 6      |
| 5. Annual rate of growth, 1977 (percent).....             | 1.3    |
| 6. Life expectancy at birth, 1965-66.....                 | 69     |
| 7. Infant deaths per 1,000 live births, 1977.....         | 19     |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 62,800 |
| 9. Births per 1,000 population, 1978 .....     | 13     |
| 10. Deaths per 1,000 population, 1978 .....    | 6      |
| 11. Annual rate of growth, 1978 (percent)..... | 1.3    |

## NOTES:

1. Final census figure (Bermuda Government, 1973, table 1). Figure refers to the civilian population, excluding 2,994 persons in the Armed Forces and their dependents.
2. The 1977 census has not been evaluated for possible coverage error.
- 3-4. Estimated at the U.S. Bureau of the Census based on registered vital data (*PVSR October 1979*) and estimated midyear population.
5. Difference between unrounded crude birth and death rates and a net immigration rate of 5.6 per 1,000 population estimated at the U.S. Bureau of the Census assuming a continuation of the implied annual immigration during the 1960-70 intercensal period.
6. Calculated from official estimates of expectation of life at birth for males and females as reported in *UNDY 1977*, table 22.
7. Registered rate as reported in *PVSR October 1979*.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming a continuation of the 1977 calendar-year growth rate.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 38.9       | 1970                       | 55.0       | 1950-55 | 1.3                        |
| 1955 | 41.5       | 1971                       | 56.0       | 1955-60 | 1.4                        |
| 1960 | 44.4       | 1972                       | 57.0       | 1960-65 | 2.4                        |
| 1961 | 45.3       | 1973                       | 57.9       | 1965-70 | 1.9                        |
| 1962 | 46.6       | 1974                       | 58.8       | 1970-75 | 1.6                        |
| 1963 | 47.8       | 1975                       | 59.7       | 1975-79 | 1.3                        |
| 1964 | 49.0       | 1976                       | 60.5       |         |                            |
| 1965 | 50.1       | 1977                       | 61.3       |         |                            |
| 1966 | 51.1       |                            |            |         |                            |
| 1967 | 52.1       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 53.1       | 1978                       | 62.0       |         |                            |
| 1969 | 54.0       | 1979                       | 62.8       |         |                            |

**NOTES:** 1950-77—Based on the inflated 1950 and 1970 censuses and the adjusted 1960 census, registered births and deaths for each year (Statistical Office, 1974, tables 2 and 3; *UNDY 1977*, tables 9 and 18; and *PVSR October 1977*), and estimated net international migration.

1978-79—Projected based on the estimated 1977 end-of-year population, assuming a continuation of the 1977 calendar-year growth rate.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source  |
|------------------|-----------------------|---------------------|---|
| October 22, 1950 | 37,403                | 39,000              | Enumerated populations for 1950, 1960, and 1970 as reported in <i>UNDY 1970</i> , table 7; and Bermuda Government, 1973, table 1. |
| October 23, 1960 | 42,640                | 45,000              |   |
| October 29, 1970 | 52,976                | 55,000              |   |

The 1960 census was adjusted for an estimated 4.4 percent underenumeration as reported in *UNDY 1970*, table 7. The 1950 and 1970 censuses were inflated for the same underenumeration as was estimated for 1960.

#### MAJOR SOURCES

Bermuda Government. 1973. *Report of the Population Census 1970, Bermuda Census '70*. [Hamilton.]

Statistical Office. 1974. *Bermuda Digest of Statistics*, no. 2. Hamilton.

## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of June 1, 1976..... | 22,992,604 |
| 2. Adjusted population, census of June 1, 1976.....   | NA         |
| 3. Births per 1,000 population, 1978.....             | 15         |
| 4. Deaths per 1,000 population, 1978.....             | 7          |
| 5. Annual rate of growth, 1978 (percent).....         | 0.9        |
| 6. Life expectancy at birth, 1971.....                | 73         |
| 7. Infant deaths per 1,000 live births, 1977.....     | 12         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 23,688,000 |
| 9. Births per 1,000 population, 1978.....      | 15         |
| 10. Deaths per 1,000 population, 1978.....     | 7          |
| 11. Annual rate of growth, 1978 (percent)..... | 0.9        |

## NOTES:

1. Final census figure as reported in Statistics Canada, 1978a, table 4.1.
2. The 1976 census has not been evaluated for possible coverage error. A post enumeration survey was taken but results are not yet available.
- 3-4. Based on registered vital statistics and midyear population for 1978 as reported in Statistics Canada, 1979, pp. 14-16.
5. Based on January 1 population figures for 1978 and 1979 reported in Statistics Canada, 1979, p. 14. The difference between the birth, death, and growth rates implies a net immigration rate of 0.7 per 1,000 population.
6. Calculated from official estimates of life expectancy by sex as reported in Statistics Canada, 1978a, table 4.46.
7. Reported in *PVSR October 1979*.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 13,737     | 1970                       | 21,324     | 1950-55 | 2.7                        |
| 1955 | 15,736     | 1971                       | 21,595     | 1955-60 | 2.6                        |
| 1960 | 17,909     | 1972                       | 21,822     | 1960-65 | 1.9                        |
| 1961 | 18,269     | 1973                       | 22,072     | 1965-70 | 1.6                        |
| 1962 | 18,615     | 1974                       | 22,395     | 1970-75 | 1.3                        |
| 1963 | 18,965     | 1975                       | 22,727     | 1975-79 | 1.0                        |
| 1964 | 19,325     | 1976                       | 23,025     |         |                            |
| 1965 | 19,678     | 1977                       | 23,280     |         |                            |
| 1966 | 20,048     | 1978                       | 23,499     |         |                            |
| 1967 | 20,412     |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 20,729     | 1979                       | 23,688     |         |                            |
| 1969 | 21,028     |                            |            |         |                            |

**NOTES:** 1950 and 1955 - Reported in *UNDY 1966*, table 4.

1960-75 - Reported in OECD, 1972, pp. 14-15; and 1979, pp. 14-15.

1976-78 - Reported in Statistics Canada, 1979, p. 14.

1979 - Estimated by FDAD based on an official estimate for June 1, 1979 reported in Statistics Canada, 1979, p. 14, and on the assumption that the net change between June 1 and July 1 would be the same as the net change for the same period in 1978.

The following censuses were used in deriving the population time series:

| Census date  | Enumerated population | Adjusted population | Source   |
|--------------|-----------------------|---------------------|--|
| June 1, 1951 | 14,009,429            |                     | Census data as reported in Statistics Canada, 1978a, table 4.1. Population is de jure. |
| June 1, 1956 | 16,080,791            |                     |  |
| June 1, 1961 | 18,238,247            |                     |  |
| June 1, 1966 | 20,014,880            |                     |  |
| June 1, 1971 | 21,568,311            |                     |  |
| June 1, 1976 | 22,992,604            |                     |  |

### MAJOR SOURCES

Organization for Economic Cooperation and Development (OECD). 1963. *Manpower Statistics 1950-1962*. Paris.

\_\_\_\_\_. 1972. *Labour Force Statistics 1959-1970*. Paris.

\_\_\_\_\_. 1979. *Labour Force Statistics 1966-1977*. Paris.

Statistics Canada. 1978a. *Canada Year Book 1978-79*. Ottawa.

\_\_\_\_\_. 1978b. *Vital Statistics, vol. I, Births 1975-1976*. Ottawa.

\_\_\_\_\_. 1978c. *Vital Statistics, vol. III, Deaths 1975*. Ottawa.

\_\_\_\_\_. 1979. *Canadian Statistical Review*. October. Ottawa.

## BENCHMARK DATA

|   |        |
|---|--------|
| 1. Enumerated population, census of October 26, 1976..... | 49,630 |
| 2. Adjusted population, census of October 26, 1976.....   | NA     |
| 3. Births per 1,000 population, 1977.....                 | 19     |
| 4. Deaths per 1,000 population, 1977.....                 | 7      |
| 5. Annual rate of growth, 1977.....                       | -1.2   |
| 6. Life expectancy at birth, 1971-75.....                 | 63     |
| 7. Infant deaths per 1,000 live births, 1977.....         | 34     |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 49,500 |
| 9. Births per 1,000 population, 1978.....      | 18     |
| 10. Deaths per 1,000 population, 1978.....     | 7      |
| 11. Annual rate of growth, 1978 (percent)..... | 0.5    |

## NOTES:

1. Census figure as reported in Danmarks Statistik, 1979b, p. 102.
2. The 1976 census has not been evaluated for possible coverage error.
- 3-4. Official registered rates as reported in Danmarks Statistik, 1979a, table 425.
5. Calculated from official January 1 estimates for 1977 and 1978 as reported in Danmarks Statistik, 1979a, table 422. The implied net emigration rate for 1977 was 23 per 1,000 population. A net emigration rate of 22 per 1,000 was calculated from data reported in NCNSC, 1979, table 19.
6. Calculated from official estimates of life expectancy by sex as reported in Danmarks Statistik, 1979a, table 424.
7. Calculated from official data as reported in Danmarks Statistik, 1979b, p. 103.
8. See notes for Midyear Population Estimates.
- 9-10. Projected based on the assumption that the 1978 rates would be the same as the average rates for the 1973-77 period.
11. Difference between crude birth and death rates and a net emigration rate of 7 per 1,000 population based on estimated emigration to Denmark in 1978 (Danmarks Statistik, 1979c, p. 852).

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 23.3       | 1970                       | 46.4       | 1950-55 | 2.7                        |
| 1955 | 26.6       | 1971                       | 47.2       | 1955-60 | 4.0                        |
| 1960 | 32.5       | 1972                       | 48.3       | 1960-65 | 3.8                        |
| 1961 | 33.7       | 1973                       | 49.0       | 1965-70 | 3.4                        |
| 1962 | 34.9       | 1974                       | 49.5       | 1970-75 | 1.3                        |
| 1963 | 37.7       | 1975                       | 49.6       | 1975-79 | -0.0                       |
| 1964 | 39.4       | 1976                       | 49.7       |         |                            |
| 1965 | 39.2       | 1977                       | 49.4       |         |                            |
| 1966 | 40.9       |                            |            |         |                            |
| 1967 | 42.9       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 44.7       | 1978                       | 49.3       |         |                            |
| 1969 | 46.0       | 1979                       | 49.5       |         |                            |

**NOTES:** 1950-77—Based on official end-of-year estimates as reported in *Statistik Arbog*, annual volumes 1951-1979.

1978-79—Projected by FDAD assuming a continuation of the 1973-77 average rate of natural increase and a net emigration rate of approximately 7 per 1,000 population for 1978 and 1979. This rate of net emigration is consistent with the level of net emigration to Denmark during 1978 as reported in *Danmarks Statistik*, 1979c, p. 852.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| December 31, 1951 | 24,118                |                     | Final census figures as reported in <i>UNDY 1970</i> , table 6; and in <i>Danmarks Statistik</i> , 1979b, p. 104. Population is de jure. |
| December 31, 1955 | 26,933                |                     |  |
| December 31, 1960 | 33,140                |                     |  |
| December 31, 1965 | 39,600                |                     |  |
| December 31, 1970 | 46,531                |                     |  |
| October 26, 1976  | 49,630                |                     |  |

**MAJOR SOURCES**

Danmarks Statistik. 1979a. *Statistisk Arbog 1979*. Copenhagen.

\_\_\_\_\_. 1979b. *Statistisk tiårs oversigt 1979*. Copenhagen.

\_\_\_\_\_. 1979c. *Statistiske Efterretninger*, series B, no. 42. Copenhagen.

Nordic Council and the Nordic Statistical Secretariat (NCNSC). 1979. *Yearbook of Nordic Statistics 1978*. Stockholm.

# SAINT PIERRE AND MIQUELON

## BENCHMARK DATA

|  |       |
|--|-------|
| 1. Enumerated population, census of February 18, 1974..... | 5,840 |
| 2. Adjusted population, census of February 18, 1974.....   | NA    |
| 3. Births per 1,000 population, 1974.....                  | 17    |
| 4. Deaths per 1,000 population, 1974.....                  | 9     |
| 5. Annual rate of growth, 1967-74 (percent).....           | 1.8   |
| 6. Life expectancy at birth.....                           | NA    |
| 7. Infant deaths per 1,000 live births.....                | NA    |

## PROJECTED ESTIMATES

|  |       |
|--|-------|
| 8. Population, July 1, 1979.....               | 6,400 |
| 9. Births per 1,000 population, 1978.....      | 17    |
| 10. Deaths per 1,000 population, 1978.....     | 9     |
| 11. Annual rate of growth, 1978 (percent)..... | 1.8   |

## NOTES:

1. Final census figure as reported in *PVSR July 1979*.
2. The 1974 census has not been evaluated for possible coverage error.
- 3-4. Registered rates as reported in *PVSR July 1979*. Data exclude live-born infants dying before registration of birth.
5. Intercensal growth rate based on the 1967 and 1974 census figures.
6. Data not available.
7. Data not available. Although data for births and total deaths are classified as complete, infant death registration is incomplete.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1974.
11. Projected assuming a continuation of the 1967-74 growth rate.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 4.6        | 1970                       | 5.5        | 1950-55 | 0.4                        |
| 1955 | 4.7        | 1971                       | 5.6        | 1955-60 | 1.0                        |
| 1960 | 4.9        | 1972                       | 5.7        | 1960-65 | 0.6                        |
| 1961 | 5.0        | 1973                       | 5.8        | 1965-70 | 1.5                        |
| 1962 | 5.0        |                            |            | 1970-75 | 1.8                        |
|      |            | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 1.8                        |
| 1963 | 5.0        | 1974                       | 5.9        |         |                            |
| 1964 | 5.0        | 1975                       | 6.0        |         |                            |
| 1965 | 5.1        | 1976                       | 6.1        |         |                            |
| 1966 | 5.1        | 1977                       | 6.2        |         |                            |
| 1967 | 5.2        |                            |            |         |                            |
| 1968 | 5.3        | 1978                       | 6.3        |         |                            |
| 1969 | 5.4        | 1979                       | 6.4        |         |                            |

**NOTES:** 1950-74—Based on the 1945, 1951, 1962, 1967, and 1974 de facto censuses, a 1957 de facto estimate based on the 1957 de jure census, and estimated population growth rates based on trends in intercensal growth.

1975-79—Projected assuming a continuation of the 1967-74 intercensal growth rate.

The following censuses were used in deriving the population time series:

| Census date                   | Enumerated population | Adjusted population | Source   |
|-------------------------------|-----------------------|---------------------|--|
| May 1, 1945<br>de facto       | 4,354                 |                     | The 1945, 1951, 1962, 1967, and 1974 de facto censuses, and the 1957, 1962, and 1967 de jure censuses as reported in <i>UNDY 1970</i> , table 7. The estimated 1957 de facto census is based on the ratio of the de facto to de jure censuses for 1962 and 1967. |
| May 14, 1951<br>de facto      | 4,606                 |                     |  |
| October 15, 1957<br>de jure   | 4,822                 |                     |  |
| est. de facto                 | 4,783                 |                     |  |
| April 20, 1962<br>de facto    | 4,990                 |                     |  |
| de jure                       | 5,025                 |                     |  |
| June 12, 1967<br>de facto     | 5,186                 |                     |  |
| de jure                       | 5,235                 |                     |  |
| February 18, 1974<br>de facto | 5,840                 |                     |  |

**MAJOR SOURCES**

All sources are shown in the country notes.

**BENCHMARK DATA**

|  |             |
|--|-------------|
| 1. Enumerated population, census of April 1, 1970..... | 204,335,000 |
| 2. Adjusted population, census of April 1, 1970.....   | 209,662,000 |
| 3. Births per 1,000 population, 1978.....              | 15          |
| 4. Deaths per 1,000 population, 1978.....              | 9           |
| 5. Annual rate of growth, 1978.....                    | 0.8         |
| 6. Life expectancy at birth, 1977.....                 | 73          |
| 7. Infant deaths per 1,000 live births, 1977.....      | 14          |

**PROJECTED ESTIMATES**

|  |             |
|--|-------------|
| 8. Population, July 1, 1979 .....              | 220,584,000 |
| 9. Births per 1,000 population, 1978 .....     | 15          |
| 10. Deaths per 1,000 population, 1978 .....    | 9           |
| 11. Annual rate of growth, 1978 (percent)..... | 0.8         |

**NOTES:**

1. Final census figure (Bureau of the Census, 1979a, table 4). Includes armed forces overseas. A census was taken in 1980 but results are not yet available.
2. Census population adjusted for 2.5 percent net underenumeration (Bureau of the Census, 1979a, table A-1). Includes armed forces overseas.
- 3-4. Based on births and deaths for the resident population, estimated overseas military deaths, and total midyear population including armed forces overseas (Bureau of the Census, forthcoming).
5. Based on official January 1 population estimates for 1978 and 1979 (Bureau of the Census, forthcoming). A net immigration rate of 2.0 per 1,000 population is implied.
6. Based on an empirical life table (National Center for Health Statistics, 1979, table 3).
7. Official rate as reported in National Center for Health Statistics, 1979, p. 9.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 152,271    | 1970 | 204,878    | 1950-55 | 1.7                        |
| 1955 | 165,931    | 1971 | 207,053    | 1955-60 | 1.7                        |
| 1960 | 180,671    | 1972 | 208,846    | 1960-65 | 1.5                        |
| 1961 | 183,691    | 1973 | 210,410    | 1965-70 | 1.1                        |
| 1962 | 186,538    | 1974 | 211,901    | 1970-75 | 0.8                        |
| 1963 | 189,242    | 1975 | 213,559    | 1975-79 | 0.8                        |
| 1964 | 191,889    | 1976 | 215,152    |         |                            |
| 1965 | 194,303    | 1977 | 216,880    |         |                            |
| 1966 | 196,560    | 1978 | 218,717    |         |                            |
| 1967 | 198,712    | 1979 | 220,584    |         |                            |
| 1968 | 200,706    |      |            |         |                            |
| 1969 | 202,677    |      |            |         |                            |

**NOTES:** 1950-79 - Official midyear estimates based on the unadjusted 1950, 1960, and 1970 censuses including the armed forces overseas, as reported in Bureau of the Census, 1979b, table 1; and Bureau of the Census, forthcoming report.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 1, 1950 | 151,718,000           | 156,850,000         | The 1950 enumerated population including armed forces overseas as reported in Bureau of the Census, 1965, table 2. The 1960 and 1970 enumerated populations including armed forces overseas as reported in Bureau of the Census, 1974, table 5. |
| April 1, 1960 | 180,007,000           | 185,070,000         |   |
| April 1, 1970 | 204,335,000           | 209,662,000         |   |

The 1950 adjusted population including armed forces overseas as reported in Bureau of the Census, 1973, table 3. The adjusted 1960 and 1970 populations including armed forces overseas as reported in Bureau of the Census, 1974, table A-1.

## MAJOR SOURCES

- Bureau of the Census. 1965. "Estimates of the Population of the United States and Components of Change, by Age, Color, and Sex: 1950 to 1960." *Current Population Reports*, series P-25, no. 310. Washington, D.C.
- \_\_\_\_\_. 1973. "Estimates of Coverage of Population by Sex, Race, and Age: Demographic Analysis." *Census of Population and Housing: 1970. Evaluation and Research Program PHC(E)-4*. Washington, D.C.
- \_\_\_\_\_. 1974. "Estimates of the Population of the United States, by Age, Sex, and Race: April 1, 1960 to July 1, 1973." *Current Population Reports*, series P-25, no. 519. Washington, D.C.
- \_\_\_\_\_. 1979a. "Estimates of the Population of the United States, by Age, Sex, and Race: 1976 to 1978." *Current Population Reports*, series P-25, no. 800. Washington, D.C.
- \_\_\_\_\_. 1979b. "Estimates of the Population of the United States and Components of Change: 1940 to 1978." *Current Population Reports*, series P-25, no. 802. Washington, D.C.
- \_\_\_\_\_. Forthcoming report.
- National Center for Health Statistics. 1979. "Advance Report. Final Mortality Statistics, 1977." *Monthly Vital Statistics Report*, vol. 28, no. 1. Washington, D.C.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of January 7, 1979..... | 2,594,600 |
| 2. Adjusted population, census of January 7, 1979.....   | NA        |
| 3. Births per 1,000 population, 1973.....                | 30        |
| 4. Deaths per 1,000 population, 1973.....                | 8         |
| 5. Annual rate of growth, 1973 (percent).....            | 2.3       |
| 6. Life expectancy at birth, 1969/70.....                | 68        |
| 7. Infant deaths per 1,000 live births, 1965.....        | 87        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 2,626,000 |
| 9. Births per 1,000 population, 1978.....      | 29        |
| 10. Deaths per 1,000 population, 1978.....     | 7         |
| 11. Annual rate of growth, 1978 (percent)..... | 2.2       |

## NOTES:

1. Preliminary census figure reported by the Statistics Directorate as cited in BBC, 1979, p. B/2.
2. The 1979 census has not been evaluated for possible coverage error.
- 3-4. Official rates as reported in Drejtoria e Përgjithëshme ë Statistikës, 1974, table 17.
5. Difference between unrounded crude birth and death rates.
6. Official data as reported in Drejtoria e Përgjithëshme ë Statistikës, 1974, table 19.
7. Reported in *PVSR October 1979*.
8. See notes for Midyear Population Estimates.
- 9-10. Projected based on assumed trends in fertility and mortality since 1973.
11. Difference between crude birth and death rates.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 1,215      | 1970                       | 2,136      | 1950-55 | 2.5                        |
| 1955 | 1,379      | 1971                       | 2,188      | 1955-60 | 3.1                        |
| 1960 | 1,607      | 1972                       | 2,241      | 1960-65 | 3.0                        |
| 1961 | 1,660      | 1973                       | 2,297      | 1965-70 | 2.7                        |
| 1962 | 1,711      |                            |            | 1970-75 | 2.4                        |
|      |            | <b>PROJECTED ESTIMATES</b> |            | 1975-79 | 2.2                        |
| 1963 | 1,762      | 1974                       | 2,349      |         |                            |
| 1964 | 1,814      | 1975                       | 2,403      |         |                            |
| 1965 | 1,865      | 1976                       | 2,457      |         |                            |
| 1966 | 1,914      | 1977                       | 2,513      |         |                            |
| 1967 | 1,965      |                            |            |         |                            |
| 1968 | 2,019      | 1978                       | 2,569      |         |                            |
| 1969 | 2,080      | 1979                       | 2,626      |         |                            |

**NOTES:** 1950-71—Reported in Drejtoria e Statistikës, 1958, table 10; 1970, p. 23; and 1973, p. 23; and Drejtoria e Përgjithëshme ë Statistikës, 1974, table 11.

1972—Estimated by FDAD based on the official estimates for 1971 and 1973 and on assumed births and deaths for 1972.

1973—Drejtoria e Përgjithëshme ë Statistikës, 1974, table 11.

1974-79—Projected by FDAD based on the official estimate for 1973 and on the assumptions that fertility and mortality declined slightly from the reported 1973 levels and that migration was negligible. Although this series of projections was prepared before the results from the Jan. 7, 1979 census were known, the projected figure for Jan. 1, 1979, of 2,597,000 was very close to the preliminary census figure of 2,594,600.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| September 3, 1950 | 1,218,943             |                     | Final census figures as reported in Drejtoria e Statistikës, 1973, p. 24. |
| October 2, 1955   | 1,391,499             |                     |   |
| October 2, 1960   | 1,626,315             |                     |   |

#### MAJOR SOURCES

British Broadcasting Corporation (BBC). 1979. *Summary of World Broadcasts*, part 2, *Eastern Europe*. May 3. Reading.

Drejtoria e Përgjithëshme ë Statistikës. 1974. *30 Vjet Shqipëri Socialiste*. Tiranë.

Drejtoria e Statistikës. 1958. *Anuari Statistikor i R P SH 1958*. Tiranë.

\_\_\_\_\_. 1970. *Vjetari Statistikor i R P SH 1969-1970*. Tiranë.

\_\_\_\_\_. 1973. *Vjetari Statistikor i R P SH 1971-1972*. Tiranë.

## BENCHMARK DATA

|  |       |
|--|-------|
| 1. Enumerated population, census of November 1954..... | 5,664 |
| 2. Adjusted population, census of November 1954.....   | NA    |
| 3. Births per 1,000 population, 1976.....              | 16    |
| 4. Deaths per 1,000 population, 1976.....              | 5     |
| 5. Annual rate of growth, 1975-76 (percent).....       | 7.1   |
| 6. Life expectancy at birth.....                       | NA    |
| 7. Infant deaths per 1,000 live births.....            | NA    |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 34,400 |
| 9. Births per 1,000 population, 1978.....      | 16     |
| 10. Deaths per 1,000 population, 1978.....     | 5      |
| 11. Annual rate of growth, 1978 (percent)..... | 6.3    |

## NOTES:

1. Final census figure as reported in *PVSR October 1979*.
2. The 1954 census has not been evaluated for possible coverage error.
- 3-4. Registered rates as reported in *PVSR October 1979*.
5. Based on 1975 and 1976 official midyear estimates (U.N., 1978). Assuming that the 1975-76 growth rate remains constant through the calendar year 1976, a net immigration rate of 59 per 1,000 population is implied by the difference between the unrounded rate of natural increase (11.5 per 1,000 population) and the unrounded growth rate (70.6 per 1,000 population).
- 6-7. Data not available.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1976.
11. Projected assuming that the average annual growth rate derived from official population estimates for 1970-76 continued to 1978.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 6.2        | 1970                       | 19.5       | 1950-55 | 0.0                        |
| 1955 | 6.2        | 1971                       | 20.6       | 1955-60 | 6.1                        |
| 1960 | 8.4        | 1972                       | 21.4       | 1960-65 | 9.7                        |
| 1961 | 9.0        | 1973                       | 23.1       | 1965-70 | 7.2                        |
| 1962 | 10.3       | 1974                       | 24.8       | 1970-75 | 6.1                        |
| 1963 | 11.4       | 1975                       | 26.6       | 1975-79 | 6.5                        |
| 1964 | 12.2       | 1976                       | 28.5       |         |                            |
| 1965 | 13.6       |                            |            |         |                            |
| 1966 | 14.4       | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1967 | 15.6       | 1977                       | 30.3       |         |                            |
| 1968 | 17.2       | 1978                       | 32.3       |         |                            |
| 1969 | 18.2       | 1979                       | 34.4       |         |                            |

**NOTES:** 1950-76—Official estimates as reported by the U.N., 1979.

1977-79—Projected assuming that the average annual growth rate for 1970-76 continued until 1979.

**MAJOR SOURCES**

United Nations. Statistical Office. 1979. Personal communication.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of May 12, 1971..... | 7,456,403 |
| 2. Adjusted population, census of May 12, 1971.....   | NA        |
| 3. Births per 1,000 population, 1978.....             | 11        |
| 4. Deaths per 1,000 population, 1978.....             | 13        |
| 5. Annual rate of growth, 1978 (percent).....         | -0.1      |
| 6. Life expectancy at birth, 1977.....                | 72        |
| 7. Infant deaths per 1,000 live births, 1978.....     | 15        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979 .....              | 7,506,000 |
| 9. Births per 1,000 population, 1978.....      | 11        |
| 10. Deaths per 1,000 population, 1978.....     | 13        |
| 11. Annual rate of growth, 1978 (percent)..... | -0.1      |

## NOTES:

1. Final census figure as reported in Österreichisches Statistisches Zentralamt, 1978a, table 2.02. Population is de jure.
2. The census figure was not adjusted. Based on various measures of census coverage, it was estimated that the population was overenumerated by less than 1 percent (Österreichisches Statistisches Zentralamt, 1979c).
- 3-4. Registered rates as reported in Österreichisches Statistisches Zentralamt, 1979b, table 11.3.
5. Calculated from official Jan. 1 population estimates for 1978 and 1979 as reported in Österreichisches Statistisches Zentralamt (1979a, table 11.1; and 1979b, table 11.1).
6. Calculated from data on life expectancy at birth by sex as reported in Österreichisches Statistisches Zentralamt, 1978b, tables 4.30 and 9.06.
7. Registered rate as reported Österreichisches Statistisches Zentralamt, 1979b, table 11.3.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## AUSTRIA

**Midyear Population Estimates and Average Annual Period Growth Rates:**  
**1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 6,935      | 1970 | 7,426      | 1950-55 | 0.0                        |
| 1955 | 6,947      | 1971 | 7,459      | 1955-60 | 0.3                        |
| 1960 | 7,048      | 1972 | 7,495      | 1960-65 | 0.6                        |
| 1961 | 7,087      | 1973 | 7,525      | 1965-70 | 0.5                        |
| 1962 | 7,130      | 1974 | 7,533      | 1970-75 | 0.3                        |
| 1963 | 7,172      | 1975 | 7,520      | 1975-79 | -0.0                       |
| 1964 | 7,215      | 1976 | 7,513      |         |                            |
| 1965 | 7,255      | 1977 | 7,518      |         |                            |
| 1966 | 7,290      | 1978 | 7,508      |         |                            |
| 1967 | 7,323      | 1979 | 7,506      |         |                            |
| 1968 | 7,360      |      |            |         |                            |
| 1969 | 7,393      |      |            |         |                            |

**NOTES:** 1950-79—Official estimates of the de jure population as reported in Österreichisches Statistisches Zentralamt, 1978b, tables 9.04 and 9.06; and 1979b, table 11.1

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source   |
|----------------|-----------------------|---------------------|--|
| June 1, 1951   | 6,933,905             |                     | Final de jure census figures as reported in Österreichisches Statistisches Zentralamt 1978b, table 9.03. |
| March 21, 1961 | 7,073,807             |                     |  |
| May 12, 1971   | 7,456,403             |                     |  |

### MAJOR SOURCES

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

Organization for Economic Cooperation and Development. 1963. *Manpower Statistics 1950-1962*. Paris.

\_\_\_\_\_. 1978. *Labour Force Statistics 1965-1976*. Paris.

Österreichisches Statistisches Zentralamt. 1978a. *Statistisches Handbuch für die Republik Österreich 1978*. XXXIX. Jahrgang, Neue Folge. Vienna.

\_\_\_\_\_. 1978b. *Demographisches Jahrbuch Österreichs 1977*. Vienna.

\_\_\_\_\_. 1979a. *Statistische Übersichten*, no. 2. Vienna.

\_\_\_\_\_. 1979b. *Statistische Übersichten*, no. 9. Vienna.

\_\_\_\_\_. 1979c. Unpublished data.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|  |           |
|--|-----------|
| 1. Enumerated population, census of December 31, 1970..... | 9,650,944 |
| 2. Adjusted population, census of December 31, 1970 .....  | NA        |
| 3. Births per 1,000 population, 1978.....                  | 12        |
| 4. Deaths per 1,000 population, 1978.....                  | 12        |
| 5. Annual rate of growth, 1978 (percent).....              | 0.0       |
| 6. Life expectancy at birth, 1968-72.....                  | 71        |
| 7. Infant deaths per 1,000 live births, 1978.....          | 12        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 9,849,000 |
| 9. Births per 1,000 population, 1978.....      | 12        |
| 10. Deaths per 1,000 population, 1978.....     | 12        |
| 11. Annual rate of growth, 1978 (percent)..... | 0.0       |

## NOTES:

1. Final census figure as reported in Institut National de Statistique, 1979c, p. 11. Population is de jure.
2. The census figure was not adjusted. Results of a comparison with population registers indicated that the census underenumerated the population by less than 1 percent (Institut National de Statistique, 1980).
- 3-4. Registered vital rates as reported in Institut National de Statistique, 1979b, p. 848.
5. Difference between unrounded crude birth and death rates (12.4 and 11.7 per 1,000 population, respectively) and a net emigration rate of 0.3 per 1,000 population. Data were reported in Institut National de Statistique, 1979c, p. 848.
6. Official figure as reported in Institut National de Statistique, 1979c, p. 63.
7. Calculated from data reported in Institut National de Statistique, 1979a, p. 408.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 8,639      | 1970                       | 9,656      | 1950-55 | 0.5                        |
| 1955 | 8,868      | 1971                       | 9,673      | 1955-60 | 0.6                        |
| 1960 | 9,153      | 1972                       | 9,711      | 1960-65 | 0.7                        |
| 1961 | 9,184      | 1973                       | 9,742      | 1965-70 | 0.4                        |
| 1962 | 9,221      | 1974                       | 9,772      | 1970-75 | 0.3                        |
| 1963 | 9,290      | 1975                       | 9,801      | 1975-79 | 0.1                        |
| 1964 | 9,378      | 1976                       | 9,818      |         |                            |
| 1965 | 9,464      | 1977                       | 9,830      |         |                            |
| 1966 | 9,528      | 1978                       | 9,840      |         |                            |
| 1967 | 9,581      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 9,619      | 1979                       | 9,849      |         |                            |
| 1969 | 9,646      |                            |            |         |                            |

**NOTES:** 1950, 1955, and 1960—Reported in *UNDY 1970*, table 6.

1961-77—Reported in Institut National de Statistique, 1973, p. 13; and 1978, p. 275.

1978—Reported in *PVSR October 1979*.

1979—Estimated by FDAD based on an official estimate for the end of 1978 reported in Institut National de Statistique, 1979b, p. 848, and on the assumption that 1975-78 average annual growth rate would continue through 1979.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| December 31, 1947 | 8,512,195             |                     | Enumerated population for 1947 as reported in <i>UNDY 1960</i> , table 1; and for 1961 and 1970 as reported in Institut National de Statistique, 1979c, p. 11. Population is de jure. |
| December 31, 1961 | 9,189,741             |                     |   |
| December 31, 1970 | 9,650,944             |                     |   |

#### MAJOR SOURCES

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

Institut National de Statistique. 1973. *Statistiques Démographiques*, no. 3. Brussels.

\_\_\_\_\_. 1978. *Statistiques Démographiques*, no. 4. Brussels.

\_\_\_\_\_. 1979a. *Bulletin de Statistique*, no. 4. Brussels.

\_\_\_\_\_. 1979b. *Bulletin de Statistique*, no. 9. Brussels.

\_\_\_\_\_. 1979c. *Annuaire Statistique de la Belgique 1978*. Brussels.

\_\_\_\_\_. 1980. Unpublished data.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of December 2, 1975..... | 8,727,771 |
| 2. Adjusted population, census of December 2, 1975.....   | NA        |
| 3. Births per 1,000 population, 1978.....                 | 15        |
| 4. Deaths per 1,000 population, 1978.....                 | 10        |
| 5. Annual rate of growth, 1978 (percent).....             | -0.2      |
| 6. Life expectancy at birth, 1974-76.....                 | 71        |
| 7. Infant deaths per 1,000 live births, 1978.....         | 22        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 8,827,000 |
| 9. Births per 1,000 population, 1978.....      | 15        |
| 10. Deaths per 1,000 population, 1978.....     | 10        |
| 11. Annual rate of growth, 1978 (percent)..... | -0.2      |

## NOTES:

1. Final census figure as reported in Komitet..., 1978, p. 27.
2. The census figure was not adjusted. Results of a post enumeration survey indicated that net coverage error was negligible (Komitet..., 1977b).
- 3-4. Registered rates as reported in Komitet..., 1979, p. 174.
5. Calculated from official Jan. 1 population estimates for 1978 and 1979 reported in Komitet..., 1978, p. 32, and in Komitet..., 1979, p. 172. A net emigration rate of 7 per 1,000 population is implied by the difference between the unrounded rate of natural increase (5.00 per 1,000 population) and the unrounded growth rate (-2.02 per 1,000 population).
6. Reported in Komitet..., 1979, p. 176.
7. Reported in Komitet..., 1979, p. 174.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 7,250      | 1970                       | 8,490      | 1950-55 | 0.7                        |
| 1955 | 7,499      | 1971                       | 8,536      | 1955-60 | 1.0                        |
| 1960 | 7,867      | 1972                       | 8,576      | 1960-65 | 0.8                        |
| 1961 | 7,943      | 1973                       | 8,621      | 1965-70 | 0.7                        |
| 1962 | 8,013      | 1974                       | 8,679      | 1970-75 | 0.5                        |
| 1963 | 8,078      | 1975                       | 8,721      | 1975-79 | 0.3                        |
| 1964 | 8,144      | 1976                       | 8,759      |         |                            |
| 1965 | 8,201      | 1977                       | 8,804      |         |                            |
| 1966 | 8,258      | 1978                       | 8,814      |         |                            |
| 1967 | 8,310      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 8,370      | 1979                       | 8,827      |         |                            |
| 1969 | 8,434      |                            |            |         |                            |

**NOTES:** 1950-78—Official estimates as reported in *Komitet...*, 1978, p. 30; and 1979, p. 173.

1979—Estimated by FDAD based on official estimate for the first of the year as reported in *Komitet...*, 1979, p. 173, and projected natural increase for the first half of 1979.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| December 1, 1956 | 7,613,709             |                     | Enumerated populations as reported in <i>Komitet...</i> , 1978, p. 27. |
| December 1, 1965 | 8,227,866             |                     |  |
| December 2, 1975 | 8,727,771             |                     |  |

**MAJOR SOURCES**

Komitet po yedinna sistema za sotsialna informatsiya pri Ministerskiya S"vet. 1977a. *Statisticheski godishnik na Narodna republika Bulgariya 1977*. Sofia.

\_\_\_\_\_. 1977b. *Works on Statistics*. [Sofia.]

\_\_\_\_\_. 1978. *Statisticheski godishnik na Narodna republika Bulgariya 1978*. Sofia.

\_\_\_\_\_. 1979. *Statisticheski spravochnik 1979*. Sofia.

Tsentralno statisticheskoto upravleniye pri Ministerskiya S"vet. [1976.] *Statisticheski godishnik na Narodna republika Bulgariya 1976*. Sofia.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York

**BENCHMARK DATA**

|   |         |
|---|---------|
| 1. Enumerated population, census of April 4 and 25, 1971..... | 123,063 |
| 2. Adjusted population, census of April 4 and 25, 1971.....   | NA      |
| 3. Births per 1,000 population, 1978.....                     | 11      |
| 4. Deaths per 1,000 population, 1978.....                     | 12      |
| 5. Annual rate of growth, 1971-78 (percent).....              | 0.7     |
| 6. Life expectancy at birth.....                              | NA      |
| 7. Infant deaths per 1,000 live births, 1978.....             | 16      |

**PROJECTED ESTIMATES**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 130,000 |
| 9. Births per 1,000 population, 1978.....      | 11      |
| 10. Deaths per 1,000 population, 1978.....     | 12      |
| 11. Annual rate of growth, 1978 (percent)..... | 0.7     |

**NOTES:**

1. Final census figure as reported in *UNDY 1977*, table 3. Figure excludes 3,300 visitors in Jersey.
2. The 1971 census has not been evaluated for possible coverage error.
- 3-4. Preliminary official rates as reported in *PVSR October 1979*.
5. Calculated from official midyear population estimates for 1971 and 1978 as reported by the U.N., 1979.
6. Data not available.
7. Calculated from preliminary official registered data as reported in *PVSR October 1979*.
8. See notes for Midyear Population Estimates.
- 9-10. See note 3-4.
11. Projected assuming a continuation of the 1971-78 growth rate.

## CHANNEL ISLANDS

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 102        | 1970                       | 122        | 1950-55 | 0.8                        |
| 1955 | 106        | 1971                       | 123        | 1955-60 | 0.7                        |
| 1960 | 110        | 1972                       | 122        | 1960-65 | 1.2                        |
| 1961 | 111        | 1973                       | 123        | 1965-70 | 0.8                        |
| 1962 | 112        | 1974                       | 123        | 1970-75 | 0.6                        |
| 1963 | 114        | 1975                       | 126        | 1975-79 | 0.9                        |
| 1964 | 115        | 1976                       | 128        |         |                            |
| 1965 | 117        | 1977                       | 126        |         |                            |
| 1966 | 118        | 1978                       | 130        |         |                            |
| 1967 | 119        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 120        | 1979                       | 130        |         |                            |
| 1969 | 121        |                            |            |         |                            |

**NOTES:** 1950-70—Based on the 1951, 1961, and 1971 censuses, reported births and deaths, and estimated net immigration. Net immigration is based on the average annual net intercensal migration for the respective periods.

1971-78—Official estimates as reported by the U.N., 1979.

1979—Projected assuming no significant change in the 1971-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date          | Enumerated population | Adjusted population | Source  |
|----------------------|-----------------------|---------------------|---|
| April 8, 1951        | 102,806               |                     | Final census figures as reported in <i>UNDY 1970</i> , table 5; and <i>UNDY 1977</i> , table 3. |
| April 23, 1961       | 110,649               |                     |   |
| April 4 and 25, 1971 | 123,063               |                     |   |

**MAJOR SOURCES**

United Nations. Statistical Office. 1979. Personal communication.

## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of December 1, 1970..... | 14,344,987 |
| 2. Adjusted population, census of December 1, 1970.....   | NA         |
| 3. Births per 1,000 population, 1978.....                 | 18         |
| 4. Deaths per 1,000 population, 1978.....                 | 12         |
| 5. Annual rate of growth, 1978 (percent).....             | 0.7        |
| 6. Life expectancy at birth, 1977.....                    | 70         |
| 7. Infant deaths per 1,000 live births, 1978.....         | 19         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 15,239,000 |
| 9. Births per 1,000 population, 1978.....      | 18         |
| 10. Deaths per 1,000 population, 1978.....     | 12         |
| 11. Annual rate of growth, 1978 (percent)..... | 0.7        |

## NOTES:

1. Final census figure as reported in Federální statistický úrad, 1978a, table 4-1.
2. The census figure was not adjusted. Results of a comparison with population movement statistics indicated that net coverage error was negligible (Federální statistický úrad, 1979c).
- 3-4. Preliminary data as reported in Federální statistický úrad, 1979b, table 18.
5. Calculated from official Jan. 1 population estimates for 1978 and 1979 reported in Federální statistický úrad, 1978a, table 4-2; and 1979a, p. 71. A net emigration rate of less than 1 per 1,000 is implied by the difference between the unrounded rate of natural increase and the unrounded growth rate.
6. Reported in Federální statistický úrad, 1978d, p. 85.
7. Preliminary data as reported in Federální statistický úrad, 1979b, table 18.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## CZECHOSLOVAKIA

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 12,389     | 1970 | 14,319     | 1950-55 | 1.1                        |
| 1955 | 13,039     | 1971 | 14,390     | 1955-60 | 0.8                        |
| 1960 | 13,654     | 1972 | 14,465     | 1960-65 | 0.7                        |
| 1961 | 13,779     | 1973 | 14,560     | 1965-70 | 0.2                        |
| 1962 | 13,858     | 1974 | 14,686     | 1970-75 | 0.7                        |
| 1963 | 13,948     | 1975 | 14,802     | 1975-79 | 0.7                        |
| 1964 | 14,052     | 1976 | 14,918     |         |                            |
| 1965 | 14,147     | 1977 | 15,031     |         |                            |
| 1966 | 14,224     | 1978 | 15,138     |         |                            |
| 1967 | 14,277     | 1979 | 15,239     |         |                            |
| 1968 | 14,323     |      |            |         |                            |
| 1969 | 14,284     |      |            |         |                            |

**NOTES:** 1950-60—Reported in Federální statistický úrad, 1978b, p. 14.

1961-70—Estimated by FDAD based on the 1961 census and adjustments to the implied net emigration figures so as to be consistent with the 1970 census.

1971-79—Reported in Federální statistický úrad, 1978b, p. 14; 1979b, table 18; and 1979c, p. 261.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source  |
|------------------|-----------------------|---------------------|---|
| March 1, 1950    | 12,338,450            |                     | Enumerated populations as reported in Federální statistický úrad, 1978a, table 4-1. |
| March 1, 1961    | 13,745,577            |                     |   |
| December 1, 1970 | 14,344,987            |                     |   |

### MAJOR SOURCES

Federální statistický úrad. 1978a. *Statistická ročenka Československé socialistické republiky 1978*. Prague.

\_\_\_\_\_. 1978b. *Pohyb obyvatelstva. V Československé socialistické republice v roce 1975*. Prague.

\_\_\_\_\_. 1978c. *Demosta*. XI, no. 1. Prague.

\_\_\_\_\_. 1978d. *Demosta*. XI, No. 3. Prague.

\_\_\_\_\_. 1979a. *Statistické přehledy*, no. 3. Prague.

\_\_\_\_\_. 1979b. *Statistické přehledy*, no. 5. Prague.

\_\_\_\_\_. 1979c. Unpublished data.

Srb, Vladimír. 1967. *Demografická příručka 1966*. Nakladatelství Svoboda. Prague.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|    |  |           |
|----|--|-----------|
| 1. | Enumerated population, census of July 1, 1976..... | 5,072,516 |
| 2. | Adjusted population, census of July 1, 1976.....   | NA        |
| 3. | Births per 1,000 population, 1978.....             | 12        |
| 4. | Deaths per 1,000 population, 1978.....             | 10        |
| 5. | Annual rate of growth, 1978 (percent).....         | 0.3       |
| 6. | Life expectancy at birth, 1976-77.....             | 74        |
| 7. | Infant deaths per 1,000 live births, 1978.....     | 9         |

## PROJECTED ESTIMATES

|     |  |           |
|-----|--|-----------|
| 8.  | Population, July 1, 1979.....              | 5,118,000 |
| 9.  | Births per 1,000 population, 1978.....     | 12        |
| 10. | Deaths per 1,000 population, 1978.....     | 10        |
| 11. | Annual rate of growth, 1978 (percent)..... | 0.3       |

## NOTES:

1. Final census figure reported in Danmarks Statistik, 1979a, table 6. This census was based on information from population registers.
2. The 1976 census has not been evaluated for possible coverage error.
- 3-4. Registered data as reported in Danmarks Statistik, 1979e, p. 1133.
5. Based on Jan. 1 populations as reported in Danmarks Statistik, 1979c, pp. 542-543.
6. Calculated from official estimates of life expectancy by sex as reported in Danmarks Statistik, 1978, table 38.
7. Registered rate as reported in Danmarks Statistik, 1979e, p. 1133.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## DENMARK

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 4,271      | 1970 | 4,929      | 1950-55 | 0.8                        |
| 1955 | 4,439      | 1971 | 4,963      | 1955-60 | 0.6                        |
| 1960 | 4,581      | 1972 | 4,992      | 1960-65 | 0.8                        |
| 1961 | 4,610      | 1973 | 5,022      | 1965-70 | 0.7                        |
| 1962 | 4,647      | 1974 | 5,045      | 1970-75 | 0.5                        |
| 1963 | 4,684      | 1975 | 5,060      | 1975-79 | 0.3                        |
| 1964 | 4,720      | 1976 | 5,073      |         |                            |
| 1965 | 4,758      | 1977 | 5,088      |         |                            |
| 1966 | 4,797      | 1978 | 5,104      |         |                            |
| 1967 | 4,839      | 1979 | 5,118      |         |                            |
| 1968 | 4,867      |      |            |         |                            |
| 1969 | 4,891      |      |            |         |                            |

**NOTES:** 1950-79—Official estimates as reported in Danmarks Statistik, 1979a, table 16; 1979d, p. 997; and *PVSR October 1979*.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source   |
|--------------------|-----------------------|---------------------|--|
| November 7, 1950   | 4,281,275             |                     | Final census figures as reported in Danmarks Statistik, 1979a, table 6. Population is de jure. |
| October 1, 1955    | 4,448,401             |                     |  |
| September 26, 1960 | 4,585,256             |                     |  |
| September 27, 1965 | 4,767,597             |                     |  |
| November 9, 1970   | 4,937,579             |                     |  |
| July 1, 1976       | 5,072,516             |                     |  |

**MAJOR SOURCES**

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

Danmarks Statistik. 1971. *Statistisk tiårs-oversigt 1971*. Copenhagen.

\_\_\_\_\_. 1976. *Statistisk tiårs-oversigt 1976*. Copenhagen.

\_\_\_\_\_. 1978. *Befolkningens bevægelser 1977*. Copenhagen.

\_\_\_\_\_. 1979a. *Statistisk Årbog 1979*. Copenhagen.

\_\_\_\_\_. 1979b. *Statistisk tiårs-oversigt 1979*. Copenhagen.

\_\_\_\_\_. 1979c. *Statistiske Efterretninger*. Copenhagen.

\_\_\_\_\_. 1979d. *Statistiske Efterretninger*. Copenhagen.

\_\_\_\_\_. 1979e. *Statistiske Efterretninger*. Copenhagen.

Organization for Economic Cooperation and Development (OECD). 1963. *Manpower Statistics 1950-1962*. Paris.

**BENCHMARK DATA**

|  |        |
|--|--------|
| 1. Enumerated population, census of November 16, 1970..... | 38,612 |
| 2. Adjusted population, census of November 16, 1970.....   | NA     |
| 3. Births per 1,000 population, 1977.....                  | 18     |
| 4. Deaths per 1,000 population, 1977.....                  | 6      |
| 5. Annual rate of growth, 1977 (percent).....              | 1.4    |
| 6. Life expectancy at birth, 1971-75.....                  | 74     |
| 7. Infant deaths per 1,000 live births, 1977.....          | 12     |

**PROJECTED ESTIMATES**

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 43,000 |
| 9. Births per 1,000 population, 1978.....      | 18     |
| 10. Deaths per 1,000 population, 1978.....     | 6      |
| 11. Annual rate of growth, 1978 (percent)..... | 1.4    |

**NOTES:**

1. Final census figure as reported in Danmarks Statistik, 1979a, table 388. Population is de jure.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Official registered rates as reported in Danmarks Statistik, 1979a, table 390.
5. Calculated from births, deaths, and net immigration as reported in NCNSS, 1979, table 19. The rate of immigration was 3 per 1,000 population.
6. Calculated from official estimates of life expectancy by sex as reported in Danmarks Statistik, 1979a, table 393.
7. Calculated from official data as reported in Danmarks Statistik, 1979b, p. 107.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming no significant change in the growth rate observed during the period 1975-77.

## FAROE ISLANDS

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 31.5       | 1970                       | 38.6       | 1950-55 | 0.5                        |
| 1955 | 32.3       | 1971                       | 38.7       | 1955-60 | 1.3                        |
| 1960 | 34.5       | 1972                       | 38.9       | 1960-65 | 1.2                        |
| 1961 | 34.8       | 1973                       | 39.5       | 1965-70 | 1.0                        |
| 1962 | 35.3       | 1974                       | 40.1       | 1970-75 | 1.1                        |
| 1963 | 35.7       | 1975                       | 40.8       | 1975-79 | 1.3                        |
| 1964 | 36.2       | 1976                       | 41.4       |         |                            |
| 1965 | 36.8       | 1977                       | 41.9       |         |                            |
| 1966 | 37.2       |                            |            |         |                            |
| 1967 | 37.7       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 38.1       | 1978                       | 42.5       |         |                            |
| 1969 | 38.5       | 1979                       | 43.1       |         |                            |

**NOTES:** 1950-70—Estimated by FDAD based on the 1950, 1955, 1960, 1966, and 1970 censuses, births, and deaths reported in Danmarks Statistik, 1978, table 87, and estimated net migration derived from data on net migration to Denmark reported in Danmarks Statistik, 1978, table 87, and other net migration data reported in Danmarks Statistik, 1979c, p. 1352.

1971-76—Calculated from official Jan. 1 population estimates for 1971-77 reported in Danmarks Statistik, 1978, table 93.

1977—Calculated from an official Jan. 1 estimate reported in Danmarks Statistik, 1978, table 93, and on the net change for 1977 reported in NCNSS, 1979, table 19.

1978-79—Projected by FDAD based on the assumption that the implied growth rate for the 1975-77 period would continue through 1979.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source  |
|--------------------|-----------------------|---------------------|---|
| December 31, 1945  | 29,178                |                     | Final census figures as reported in <i>UNDY 1948</i> , table 1; <i>UNDY 1970</i> , table 6; and Danmarks Statistik, 1979b, p. 107. Population is de jure. |
| December 31, 1950  | 31,781                |                     |   |
| November 30, 1955  | 32,456                |                     |   |
| September 26, 1960 | 34,596                |                     |   |
| April 1, 1966      | 37,122                |                     |   |
| November 16, 1970  | 38,612                |                     |   |

#### MAJOR SOURCES

Danmarks Statistik. 1978. *Befolkningens bevaegelser 1977*. Copenhagen.

\_\_\_\_\_. 1979a. *Statistisk Arbog 1979*. Copenhagen.

\_\_\_\_\_. 1979b. *Statistisk tiars oversigt 1979*. Copenhagen.

\_\_\_\_\_. 1979c. *Statistiske Efterretninger*, series A, no. 46. Copenhagen.

Nordic Council and the Nordic Statistical Secretariat (NCNSS). 1979. *Yearbook of Nordic Statistics 1978*. Stockholm.

**BENCHMARK DATA**

|  |           |
|--|-----------|
| 1. Enumerated population, census of December 31, 1975..... | 4,717,724 |
| 2. Adjusted population, census of December 31, 1975.....   | NA        |
| 3. Births per 1,000 population, 1978.....                  | 13        |
| 4. Deaths per 1,000 population, 1978.....                  | 9         |
| 5. Annual rate of growth, 1978 (percent).....              | 0.2       |
| 6. Life expectancy at birth, 1977.....                     | 72        |
| 7. Infant deaths per 1,000 live births, 1977.....          | 9         |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 4,764,000 |
| 9. Births per 1,000 population, 1978.....      | 13        |
| 10. Deaths per 1,000 population, 1978.....     | 9         |
| 11. Annual rate of growth, 1978 (percent)..... | 0.2       |

**NOTES:**

1. Final census figure as reported in Central Statistical Office, 1979a, table 16.
2. The census figure was not adjusted. Results of a comparison with population registers indicated that the census underenumerated the population by 2.7 percent (Central Statistical Office, 1979c).
- 3-4. Preliminary registered data as reported in Central Statistical Office, 1979b, table 2.
5. Calculated from official preliminary population estimates for the beginning and end of the year as reported in Central Statistical Office, 1979a, table 8. A net emigration rate of 2 per 1,000 population is implied.
6. Calculated from official estimates of life expectancy by sex as reported in Central Statistical Office, 1979a, table 52.
7. Calculated from official registered data as reported in Central Statistical Office, 1979a, tables 32 and 48.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 4,009      | 1970 | 4,606      | 1950-55 | 1.1                        |
| 1955 | 4,235      | 1971 | 4,612      | 1955-60 | 0.9                        |
| 1960 | 4,430      | 1972 | 4,640      | 1960-65 | 0.6                        |
| 1961 | 4,461      | 1973 | 4,666      | 1965-70 | 0.2                        |
| 1962 | 4,491      | 1974 | 4,691      | 1970-75 | 0.5                        |
| 1963 | 4,523      | 1975 | 4,711      | 1975-79 | 0.3                        |
| 1964 | 4,549      | 1976 | 4,726      |         |                            |
| 1965 | 4,564      | 1977 | 4,739      |         |                            |
| 1966 | 4,581      | 1978 | 4,753      |         |                            |
| 1967 | 4,606      | 1979 | 4,764      |         |                            |
| 1968 | 4,626      |      |            |         |                            |
| 1969 | 4,624      |      |            |         |                            |

**NOTES:** 1950-79—Reported in Central Statistical Office, 1979a, table 32; and 1979b, table 1.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| December 31, 1950 | 4,029,803             |                     | Final census figures as reported in Central Statistical Office, 1979a, tables 15 and 16. Population is de jure. |
| December 31, 1960 | 4,446,222             |                     |   |
| December 31, 1970 | 4,598,336             |                     |   |
| December 31, 1975 | 4,717,724             |                     |   |

**MAJOR SOURCES**

Central Statistical Office. 1979a. *Statistical Yearbook of Finland 1978*. Helsinki.

\_\_\_\_\_. 1979b. *Bulletin of Statistics*, no. 11. Helsinki.

\_\_\_\_\_. 1979c. Unpublished data.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of February 20, 1975..... | 52,655,802 |
| 2. Adjusted population, census of February 20, 1975.....   | NA         |
| 3. Births per 1,000 population, 1978.....                  | 14         |
| 4. Deaths per 1,000 population, 1978.....                  | 10         |
| 5. Annual rate of growth, 1978 (percent).....              | 0.4        |
| 6. Life expectancy at birth, 1976.....                     | 73         |
| 7. Infant deaths per 1,000 live births, 1978.....          | 11         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 53,478,000 |
| 9. Births per 1,000 population, 1978.....      | 14         |
| 10. Deaths per 1,000 population, 1978.....     | 10         |
| 11. Annual rate of growth, 1978 (percent)..... | 0.4        |

## NOTES:

1. Final census figure as reported in *UNDY 1977*, table 3. Population is de jure.
2. The 1975 census has not been evaluated for possible coverage error.
- 3-4. Registered rates as reported in INSEE, 1979b, p. 68.
5. Calculated from Jan. 1 population estimates for 1978 and 1979 reported in Council of Europe, 1979, p. 59.
6. Calculated from official data reported in INSEE, 1978, p. 46.
7. Official data reported in INSEE, 1979b, p. 68.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 41,829     | 1970                       | 50,787     | 1950-55 | 0.8                        |
| 1955 | 43,428     | 1971                       | 51,285     | 1955-60 | 1.0                        |
| 1960 | 45,670     | 1972                       | 51,732     | 1960-65 | 1.3                        |
| 1961 | 46,189     | 1973                       | 52,157     | 1965-70 | 0.8                        |
| 1962 | 47,124     | 1974                       | 52,503     | 1970-75 | 0.8                        |
| 1963 | 47,808     | 1975                       | 52,748     | 1975-79 | 0.3                        |
| 1964 | 48,340     | 1976                       | 52,914     |         |                            |
| 1965 | 48,763     | 1977                       | 53,096     |         |                            |
| 1966 | 49,194     | 1978                       | 53,302     |         |                            |
| 1967 | 49,569     |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 49,934     | 1979                       | 53,478     |         |                            |
| 1969 | 50,353     |                            |            |         |                            |

**NOTES:** 1950-78—Reported in INSEE, 1970, pp. 80-81; 1974, p. 6; 1979a, pp. 83-84; and 1979b, p. 8.

1979—Estimated by FDAD based on an official estimate for the beginning of the year reported in Council of Europe, 1979, p. 59, and on births and deaths for the first half of the year reported in INSEE, 1979b, p. 8.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| May 10, 1954      | 42,843,520            |                     | Enumerated populations as reported in <i>UNDY 1962</i> , table 7; <i>1970</i> , tables 2 and 5; and <i>1977</i> , table 3. Population is de jure. |
| March 7, 1962     | 46,520,271            |                     |   |
| March 1, 1968     | 49,778,540            |                     |   |
| February 20, 1975 | 52,655,802            |                     |   |

#### MAJOR SOURCES

Institut National de la Statistique et des Etudes Economiques (INSEE). 1970. *Bulletin Mensuel de Statistique*, no. 12. Paris.

\_\_\_\_\_. 1974. *Mouvement de la Population 1965-66*, tome 1. Paris.

\_\_\_\_\_. 1978. *Annuaire Statistique de la France*. 1978. Paris.

\_\_\_\_\_. 1979a. *Bulletin Mensuel de Statistique*, no. 8. Paris.

\_\_\_\_\_. 1979b. *Bulletin Mensuel de Statistique*, no. 9. Paris.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of January 1, 1971..... | 17,068,318 |
| 2. Adjusted population, census of January 1, 1971.....   | NA         |
| 3. Births per 1,000 population, 1978.....                | 14         |
| 4. Deaths per 1,000 population, 1978.....                | 14         |
| 5. Annual rate of growth, 1978 (percent).....            | -0.0       |
| 6. Life expectancy at birth, 1976.....                   | 72         |
| 7. Infant deaths per 1,000 live births, 1978.....        | 13         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 16,758,000 |
| 9. Births per 1,000 population, 1978.....      | 14         |
| 10. Deaths per 1,000 population, 1978.....     | 14         |
| 11. Annual rate of growth, 1978 (percent)..... | -0.0       |

## NOTES:

1. Final census figure as reported in Staatliche Zentralverwaltung..., 1978a, p. 2. Population is de jure.
2. The 1971 census has not been evaluated for possible coverage error.
- 3-4. Registered rates reported in Staatliche Zentralverwaltung..., 1979, p. 96. Data are preliminary.
5. Difference between birth and death rates.
6. Calculated from life expectancy at birth by sex as reported in Staatliche Zentralverwaltung..., 1978a, p. 370.
7. Reported in Staatliche Zentralverwaltung..., 1979, p. 96.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## GERMAN DEMOCRATIC REPUBLIC

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 18,388     | 1970                       | 17,070     | 1950-55 | -0.6                       |
| 1955 | 17,832     | 1971                       | 17,061     | 1955-60 | -0.9                       |
| 1960 | 17,058     | 1972                       | 17,043     | 1960-65 | -0.0                       |
| 1961 | 16,938     | 1973                       | 16,980     | 1965-70 | 0.1                        |
| 1962 | 16,903     | 1974                       | 16,925     | 1970-75 | -0.3                       |
| 1963 | 16,951     | 1975                       | 16,850     | 1975-79 | -0.1                       |
| 1964 | 16,983     | 1976                       | 16,786     |         |                            |
| 1965 | 17,020     | 1977                       | 16,765     |         |                            |
| 1966 | 17,058     |                            |            |         |                            |
| 1967 | 17,082     |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 17,084     | 1978                       | 16,758     |         |                            |
| 1969 | 17,076     | 1979                       | 16,758     |         |                            |

**NOTES:** 1950, 1964-69, 1971-77—Reported in Staatliche Zentralverwaltung..., 1978a, p. 349.

1955 and 1960-63—Estimated by FDAD based on 1950 census total and adjustments to the implied net emigration figures so as to be consistent with the 1964 census total.

1970—Estimated by FDAD based on January 1, 1971, census total and the estimated net population change for the last half of 1970.

1978—Estimated by FDAD based on the population for the beginning of the year reported in Staatliche Zentralverwaltung..., 1978a, p. 2; on births and deaths for the first half of 1978 reported in Staatliche Zentralverwaltung..., 1979, p. 96; and on the assumption that net migration was negligible during the first half of 1978.

1979—Estimated by FDAD based on the population for the beginning of 1978 reported in Staatliche Zentralverwaltung..., 1978a, p. 2; on births and deaths for 1978 reported in Staatliche Zentralverwaltung..., 1979, p. 96; on the assumption that the number of births and deaths during the first half of the year would be the same in 1979 as in 1978; and on the assumption that net migration was negligible during 1978 and the first half of 1979.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| August 31, 1950   | 18,388,172            |                     | Enumerated populations as reported in Staatliche Zentralverwaltung..., 1978a, pp. 2 and 342. Population is de jure. |
| December 31, 1964 | 17,003,632            |                     |   |
| January 1, 1971   | 17,068,318            |                     |   |

### MAJOR SOURCES

Staatliche Zentralverwaltung für Statistik. 1978a. *Statistisches Jahrbuch 1978 der Deutschen Demokratischen Republik*. Berlin.

\_\_\_\_\_. 1978b. *Statistical Pocket Book of the German Democratic Republic 1978*. Berlin.

\_\_\_\_\_. 1979. *Statistische Praxis*, no. 2. Berlin.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of May 27, 1970..... | 60,650,599 |
| 2. Adjusted population, census of May 27, 1970.....   | NA         |
| 3. Births per 1,000 population, 1978.....             | 9          |
| 4. Deaths per 1,000 population, 1978.....             | 12         |
| 5. Annual rate of growth, 1978 (percent).....         | -0.1       |
| 6. Life expectancy at birth, 1975-77.....             | 72         |
| 7. Infant deaths per 1,000 live births, 1978.....     | 15         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 61,302,000 |
| 9. Births per 1,000 population, 1978.....      | 9          |
| 10. Deaths per 1,000 population, 1978.....     | 12         |
| 11. Annual rate of growth, 1978 (percent)..... | -0.1       |

## NOTES:

1. Final census figure as reported in *PVSR October 1979*.
2. The census figure was not adjusted. Based on various studies of census coverage, it was estimated that the population was underenumerated by less than 1 percent (Statistisches Bundesamt, Wiesbaden, 1979e).
- 3-4. Registered rates as reported in Statistisches Bundesamt, Wiesbaden, 1979c, table 1.2.
5. Calculated from January 1 population figures for 1978 and 1979 as reported in Statistisches Bundesamt, Wiesbaden, 1979b, table 2. A net immigration rate of 2 per 1,000 was reported in Statistisches Bundesamt, Wiesbaden, 1979d, table 1.
6. Calculated from official estimates of life expectancy by sex as reported in Statistisches Bundesamt, Wiesbaden, 1979a, table 3.26.
7. Registered rate as reported in Statistisches Bundesamt, Wiesbaden, 1979c, table 1.2.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 49,986     | 1970                       | 60,714     | 1950-55 | 0.9                        |
| 1955 | 52,364     | 1971                       | 61,294     | 1955-60 | 1.1                        |
| 1960 | 55,423     | 1972                       | 61,672     | 1960-65 | 1.1                        |
| 1961 | 56,185     | 1973                       | 61,971     | 1965-70 | 0.7                        |
| 1962 | 56,837     | 1974                       | 62,041     | 1970-75 | 0.4                        |
| 1963 | 57,389     | 1975                       | 61,832     | 1975-79 | -0.2                       |
| 1964 | 57,971     | 1976                       | 61,513     |         |                            |
| 1965 | 58,619     | 1977                       | 61,396     |         |                            |
| 1966 | 59,148     | 1978                       | 61,310     |         |                            |
| 1967 | 59,286     |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 59,500     | 1979                       | 61,302     |         |                            |
| 1969 | 60,067     |                            |            |         |                            |

**NOTES:** 1950-78—Official estimates as reported in Statistisches Bundesamt, Wiesbaden, 1978, table 4.1; 1979a, table 3.1; and 1979b, table 2.

1979—Estimated by FDAD based on an official estimate for the end of March 1979 reported in Statistisches Bundesamt, Wiesbaden, 1979b, table 2, and on the assumption that the net change during the second quarter of 1979 would be the same as during the second quarter of 1978.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source   |
|--------------------|-----------------------|---------------------|--|
| September 13, 1950 | 50,194,700            |                     | Final census figures for 1950 and 1961 as reported in Statistisches Bundesamt, Wiesbaden, 1979a, table 3.3; and for 1970 as reported in <i>PVSR October 1979</i> . The 1956 population is from a housing census as reported in <i>UNDY 1962</i> , table 7. |
| September 25, 1956 | 53,187,277            |                     |  |
| June 6, 1961       | 56,184,900            |                     |  |
| May 27, 1970       | 60,650,599            |                     |  |
|                    |                       |                     |  |

#### MAJOR SOURCES

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

Statistisches Bundesamt, Wiesbaden. 1978. Fachserie 1. *Bevölkerung und Erwerbstätigkeit*, reihe 1.1, *Stand und Entwicklung der Bevölkerung 1977*. Stuttgart: W. Kohlhammer.

\_\_\_\_\_. 1979a. *Statistisches Jahrbuch 1979 für die Bundesrepublik Deutschland*. Stuttgart: W. Kohlhammer.

\_\_\_\_\_. 1979b. Fachserie 1. *Bevölkerung und Erwerbstätigkeit*, Reihe 1.1, *Stand und Entwicklung der Bevölkerung. 1. Vierteljahr 1979*. Stuttgart: W. Kohlhammer.

\_\_\_\_\_. 1979c. Fachserie 1. *Bevölkerung und Erwerbstätigkeit*, Reihe 2.1, *Eheschliessungen, Geborene, und Gestorbene. 1. Vierteljahr 1979*. Stuttgart: W. Kohlhammer.

\_\_\_\_\_. 1979d. Fachserie 1. *Bevölkerung und Erwerbstätigkeit*, Reihe 2.3, *Wanderungen. 4. Vierteljahr 1978*. Stuttgart: W. Kohlhammer.

\_\_\_\_\_. 1979e. Unpublished data.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|  |        |
|--|--------|
| 1. Enumerated population, census of October 6, 1970..... | 26,833 |
| 2. Adjusted population, census of October 6, 1970.....   | NA     |
| 3. Births per 1,000 population, 1978.....                | 18     |
| 4. Deaths per 1,000 population, 1978.....                | 9      |
| 5. Annual rate of growth, 1977-78 (percent).....         | 0.2    |
| 6. Life expectancy at birth.....                         | NA     |
| 7. Infant deaths per 1,000 live births, 1978.....        | 10     |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 29,400 |
| 9. Births per 1,000 population, 1978.....      | 18     |
| 10. Deaths per 1,000 population, 1978.....     | 9      |
| 11. Annual rate of growth, 1978 (percent)..... | 0.2    |

## NOTES:

1. Final census figure as reported in *PVSR January 1980*. Excludes armed forces.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Official registered data as reported in *PVSR January 1980*.
5. Based on official midyear population estimates for 1977 and 1978 (U.N., 1980). A net emigration rate of 7 per 1,000 population is implied by the difference between crude birth and death rates and the growth rate.
6. Data not available.
7. Calculated from official data as reported in *PVSR January 1980*.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## GIBRALTAR

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 22.5       | 1970                       | 26.5       | 1950-55 | 1.0                        |
| 1955 | 23.6       | 1971                       | 28.0       | 1955-60 | 0.6                        |
| 1960 | 24.3       | 1972                       | 29.0       | 1960-65 | 0.7                        |
| 1961 | 23.9       | 1973                       | 29.6       | 1965-70 | 1.0                        |
| 1962 | 24.3       | 1974                       | 29.1       | 1970-75 | 2.3                        |
| 1963 | 24.6       | 1975                       | 29.6       | 1975-79 | -0.2                       |
| 1964 | 25.0       | 1976                       | 30.0       |         |                            |
| 1965 | 25.2       | 1977                       | 29.3       |         |                            |
| 1966 | 25.4       | 1978                       | 29.3       |         |                            |
| 1967 | 25.7       |                            |            |         |                            |
| 1968 | 26.0       | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1969 | 26.2       | 1979                       | 29.4       |         |                            |

**NOTES:** 1950-60—Based on the 1951 and 1961 censuses, reported births and deaths, and estimated net emigration.

1961-78—Official estimates from the U.N. (1980).

1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date     | Enumerated population | Adjusted population | Source   |
|-----------------|-----------------------|---------------------|--|
| July 3, 1951    | 23,232                |                     | Final census figures as reported in <i>UNDY 1970</i> , table 7; and <i>PVSR January 1980</i> . |
| October 3, 1961 | 24,502                |                     |  |
| October 6, 1970 | 26,833                |                     |  |

**MAJOR SOURCES**

United Nations. Statistical Office. 1980. Unpublished data.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of March 14, 1971..... | 8,768,641 |
| 2. Adjusted population, census of March 14, 1971.....   | NA        |
| 3. Births per 1,000 population, 1978.....               | 16        |
| 4. Deaths per 1,000 population, 1978.....               | 9         |
| 5. Annual rate of growth, 1978 (percent).....           | 1.1       |
| 6. Life expectancy at birth, 1970.....                  | 72        |
| 7. Infant deaths per 1,000 live births, 1978.....       | 20        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 9,444,000 |
| 9. Births per 1,000 population, 1978.....      | 16        |
| 10. Deaths per 1,000 population, 1978.....     | 9         |
| 11. Annual rate of growth, 1978 (percent)..... | 1.1       |

## NOTES:

1. Final census figure as reported in National Statistical Service of Greece, 1978a, table II:1.
2. The census figure was not adjusted. Results of a post enumeration survey indicated that the population was underenumerated by less than 1 percent (National Statistical Service of Greece, 1979b).
- 3-4. Calculated from registered vital data as reported in National Statistical Service of Greece, 1979a, tables 3 and 5.
5. Calculated from population estimates for the beginning and end of the year reported in Council of Europe, 1979, p. 65. There was a net immigration of 4 persons per 1,000 population during the year.
6. Calculated from official estimates of life expectancy by sex as reported in National Statistical Service of Greece, 1978a, table II:31.
7. Calculated from registered vital data as reported in National Statistical Service of Greece, 1979a, table 5.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 7,566      | 1970                       | 8,793      | 1950-55 | 1.0                        |
| 1955 | 7,966      | 1971                       | 8,831      | 1955-60 | 0.9                        |
| 1960 | 8,327      | 1972                       | 8,889      | 1960-65 | 0.5                        |
| 1961 | 8,398      | 1973                       | 8,929      | 1965-70 | 0.6                        |
| 1962 | 8,448      | 1974                       | 8,962      | 1970-75 | 0.6                        |
| 1963 | 8,480      | 1975                       | 9,047      | 1975-79 | 1.1                        |
| 1964 | 8,510      | 1976                       | 9,167      |         |                            |
| 1965 | 8,550      | 1977                       | 9,268      |         |                            |
| 1966 | 8,614      | 1978                       | 9,360      |         |                            |
| 1967 | 8,716      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 8,741      | 1979                       | 9,444      |         |                            |
| 1969 | 8,773      |                            |            |         |                            |

**NOTES:** 1950-78—National Statistical Service of Greece, 1978a, table II:3; and 1979a, table 3.

1979—Estimated by FDAD based on an estimate for the beginning of the year reported in Council of Europe, 1979, p. 65, and on the assumption that the rate of growth during the first half of 1979 would be equal to the 1978 rate of natural increase.

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source   |
|----------------|-----------------------|---------------------|--|
| April 7, 1951  | 7,632,801             |                     | Final census figures as reported in National Statistical Service of Greece, 1978a, table II:1. |
| March 19, 1961 | 8,388,553             |                     |  |
| March 14, 1971 | 8,768,641             |                     |  |

**MAJOR SOURCES**

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

National Statistical Service of Greece. 1978a. *Statistical Yearbook of Greece 1977*. Athens.

\_\_\_\_\_. 1978b. *Mouvement Naturel de la Population de la Grèce en 1975*. Athens.

\_\_\_\_\_. 1979a. *Monthly Statistical Bulletin*. May. Athens.

\_\_\_\_\_. 1979b. Unpublished data.

Organization for Economic Cooperation and Development (OECD). 1963. *Manpower Statistics 1950-1962*. Paris.

\_\_\_\_\_. 1972. *Labour Force Statistics 1959-1970*. Paris.

\_\_\_\_\_. 1978. *Labour Force Statistics 1965-1976*. Paris.

\_\_\_\_\_. 1979. *Labour Force Statistics 1966-1977*. Paris.

**BENCHMARK DATA**

|  |            |
|--|------------|
| 1. Enumerated population, census of January 1, 1980..... | 10,710,000 |
| 2. Adjusted population, census of January 1, 1980.....   | NA         |
| 3. Births per 1,000 population, 1978.....                | 16         |
| 4. Deaths per 1,000 population, 1978.....                | 13         |
| 5. Annual rate of growth, 1978 (percent).....            | 0.3        |
| 6. Life expectancy at birth, 1977.....                   | 70         |
| 7. Infant deaths per 1,000 live births, 1978.....        | 24         |

**PROJECTED ESTIMATES**

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 10,710,000 |
| 9. Births per 1,000 population, 1978.....      | 16         |
| 10. Deaths per 1,000 population, 1978.....     | 13         |
| 11. Annual rate of growth, 1978 (percent)..... | 0.3        |

**NOTES:**

1. Preliminary census figure as reported in Központi Statisztikai Hivatal, 1980, table 1.
2. The 1980 census has not been evaluated for possible coverage error.
- 3-4. Rates as reported in Központi Statisztikai Hivatal, 1979b, table II.1, p. 11.
5. Difference between birth and death rates.
6. Derived from official figures by sex reported in Központi Statisztikai Hivatal, 1979a, table 11.5.
7. Figure reported in Központi Statisztikai Hivatal, 1979b, table II.1, p. 11.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 9,338      | 1969 | 10,303     | 1950-55 | 1.0                        |
| 1955 | 9,825      | 1970 | 10,338     | 1955-60 | 0.3                        |
| 1960 | 9,984      | 1971 | 10,368     | 1960-65 | 0.3                        |
| 1961 | 10,029     | 1972 | 10,398     | 1965-70 | 0.4                        |
| 1962 | 10,063     | 1973 | 10,432     | 1970-75 | 0.4                        |
| 1963 | 10,091     | 1974 | 10,479     | 1975-79 | 0.4                        |
| 1964 | 10,124     | 1975 | 10,541     |         |                            |
| 1965 | 10,153     | 1976 | 10,599     |         |                            |
| 1966 | 10,185     | 1977 | 10,648     |         |                            |
| 1967 | 10,223     | 1978 | 10,684     |         |                            |
| 1968 | 10,264     | 1979 | 10,710     |         |                            |

**NOTES:** 1950-79—Központi Statisztikai Hivatal, 1979a, table 1.2; and 1979b, table II.1, p. 11.

The following censuses were used in deriving the population time series:

| Census date     | Enumerated population | Adjusted population | Source   |
|-----------------|-----------------------|---------------------|--|
| January 1, 1949 | 9,204,799             |                     | Census figures as reported in Központi Statisztikai Hivatal, 1979a, table 1.1. |
| January 1, 1960 | 9,961,044             |                     |  |
| January 1, 1970 | 10,322,099            |                     |  |

### MAJOR SOURCES

Központi Statisztikai Hivatal. 1977. *1970 Hungarian Census of Population*. Budapest.

\_\_\_\_\_. 1979a. *Demográfiai Evkönyv 1977*. Budapest.

\_\_\_\_\_. 1979b. *Statisztikai Havi Közlemények*, no. 10. Budapest.

\_\_\_\_\_. 1979c. *Magyar Statisztikai Zsebkönyv 1979*. Budapest.

\_\_\_\_\_. 1980. *Report on the Preliminary Results of the 1980 Population Census and on the Major Population Processes*. Budapest.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

**BENCHMARK DATA**

|   |         |
|---|---------|
| 1. Population according to national registry, December 1, 1970..... | 204,578 |
| 2. Adjusted population, December 1, 1970.....                       | NA      |
| 3. Births per 1,000 population, 1978.....                           | 19      |
| 4. Deaths per 1,000 population, 1978.....                           | 6       |
| 5. Annual rate of growth, 1978 (percent).....                       | 0.9     |
| 6. Life expectancy at birth, 1975-76.....                           | 76      |
| 7. Infant deaths per 1,000 live births, 1978.....                   | 11      |

**PROJECTED ESTIMATES**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 226,000 |
| 9. Births per 1,000 population, 1978.....      | 19      |
| 10. Deaths per 1,000 population, 1978.....     | 6       |
| 11. Annual rate of growth, 1978 (percent)..... | 0.9     |

**NOTES:**

1. Figure from the national registry as reported in Statistical Bureau, 1976, table II-1. An actual census was not considered necessary due to the availability of population data from the national register (NCNSS, 1979, p. 31).
2. Data not available.
- 3-4. Official registered vital rates as reported in Statistical Bureau, 1979b, p. 43.
5. Calculated from official January 1 population estimates for 1978 and 1979 as reported in Statistical Bureau, 1978, p. 160; and 1979a, p. 192, respectively. A net emigration of 3 per 1,000 population is implied by the difference between the unrounded growth rate and the natural increase rate.
6. Calculated from official estimates of life expectancy by sex as reported in NCNSS, 1979, table 32.
7. Official registered rate as reported in Statistical Bureau, 1979b, p. 43.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 143        | 1970                       | 204        | 1950-55 | 2.0                        |
| 1955 | 158        | 1971                       | 206        | 1955-60 | 2.1                        |
| 1960 | 176        | 1972                       | 209        | 1960-65 | 1.8                        |
| 1961 | 179        | 1973                       | 212        | 1965-70 | 1.2                        |
| 1962 | 182        | 1974                       | 215        | 1970-75 | 1.3                        |
| 1963 | 185        | 1975                       | 218        | 1975-79 | 0.8                        |
| 1964 | 189        | 1976                       | 220        |         |                            |
| 1965 | 192        | 1977                       | 222        |         |                            |
| 1966 | 196        | 1978                       | 224        |         |                            |
| 1967 | 199        |                            |            |         |                            |
| 1968 | 201        | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1969 | 203        | 1979                       | 226        |         |                            |

**NOTES:** 1950—Calculated from official December 1 population estimates for 1949 and 1950 as reported in Statistical Bureau, 1976, table II-2.

1951-70—Reported in Statistical Bureau, 1975, p. 10\*.

1971-76—Reported in *UNDY 1977*, table 6.

1977-78—Reported in Statistical Bureau, 1979a, p. 198.

1979—Projected by FDAD based on an official population estimate for the beginning of the year as reported in Statistical Bureau, 1979a, p. 192, and on the assumption that the 1978 growth rate would continue through 1979.

The following censuses were used in deriving the population time series:

| Census date                           | Enumerated population | Adjusted population | Source  |
|---------------------------------------|-----------------------|---------------------|---|
| December 1, 1950                      | 143,973               |                     | Enumerated de jure census populations for 1950 and 1960, and national registry population for 1970 as reported in Statistical Bureau, 1976, table II-1. |
| December 1, 1960                      | 175,680               |                     |   |
| December 1, 1970<br>national registry | 204,578               |                     |   |

**MAJOR SOURCES**

Nordic Council and the Nordic Statistical Secretariat (NCNSS). 1979. *Yearbook of Nordic Statistics 1978*. Stockholm.

Statistical Bureau. 1975. *Population and Vital Statistics 1961-1970*. Reykjavík.

\_\_\_\_\_. 1976. *Statistical Abstract of Iceland 1974*. Reykjavík.

\_\_\_\_\_. 1978. *Hagtíðindi*, vol. 63, no. 8. Reykjavík.

\_\_\_\_\_. 1979a. *Hagtíðindi*, vol. 64, no. 8. Reykjavík.

\_\_\_\_\_. 1979b. *Statistical Bulletin*, vol. 48, no. 3. Reykjavík.

**BENCHMARK DATA**

|   |           |
|---|-----------|
| 1. Enumerated population, census of April 18, 1971..... | 2,978,248 |
| 2. Adjusted population, census of April 18, 1971.....   | NA        |
| 3. Births per 1,000 population, 1978.....               | 21        |
| 4. Deaths per 1,000 population, 1978.....               | 10        |
| 5. Annual rate of growth, 1977-79 (percent).....        | 1.4       |
| 6. Life expectancy at birth, 1970-72.....               | 71        |
| 7. Infant deaths per 1,000 live births, 1978.....       | 15        |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 3,365,000 |
| 9. Births per 1,000 population, 1978.....      | 21        |
| 10. Deaths per 1,000 population, 1978.....     | 10        |
| 11. Annual rate of growth, 1978 (percent)..... | 1.4       |

**NOTES:**

1. Final census figure as reported in Central Statistics Office, 1978, table 5.
2. The 1971 census has not been evaluated for possible coverage error.
- 3-4. Provisional registered rates calculated from unpublished data (U.N., 1980).
5. Calculated from official midyear population estimates for 1977 to 1979 (U.N., 1980). The difference between the 1977-79 growth rate and the 1978 natural increase rate implies a net immigration rate of about 3-4 per 1,000 population.
6. Calculated from official estimates of life expectancy at birth by sex as reported in Central Statistics Office, 1978, table 23.
7. Provisional registered rate calculated from unpublished data (U.N., 1980).
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## IRELAND

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 2,969      | 1970 | 2,950      | 1950-55 | -0.3                       |
| 1955 | 2,921      | 1971 | 2,978      | 1955-60 | -0.6                       |
| 1960 | 2,832      | 1972 | 3,024      | 1960-65 | 0.3                        |
| 1961 | 2,818      | 1973 | 3,072      | 1965-70 | 0.5                        |
| 1962 | 2,830      | 1974 | 3,123      | 1970-75 | 1.5                        |
| 1963 | 2,850      | 1975 | 3,176      | 1975-79 | 1.4                        |
| 1964 | 2,864      | 1976 | 3,226      |         |                            |
| 1965 | 2,876      | 1977 | 3,269      |         |                            |
| 1966 | 2,884      | 1978 | 3,311      |         |                            |
| 1967 | 2,900      | 1979 | 3,365      |         |                            |
| 1968 | 2,913      |      |            |         |                            |
| 1969 | 2,926      |      |            |         |                            |

**NOTES:** 1950-79—Official estimates as reported in Central Statistics Office, no date, table 1; and U.N., 1980.

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source  |
|----------------|-----------------------|---------------------|---|
| April 8, 1951  | 2,960,593             |                     | Final census figures as reported in Central Statistics Office, 1978, table 5. |
| April 8, 1956  | 2,898,264             |                     |   |
| April 9, 1961  | 2,818,341             |                     |   |
| April 17, 1966 | 2,884,002             |                     |   |
| April 18, 1971 | 2,978,248             |                     |   |

**MAJOR SOURCES**

Central Statistics Office. 1978. *Statistical Abstract of Ireland 1976*. Dublin.

\_\_\_\_\_. no date. *Report on Vital Statistics 1975*. Dublin.

United Nations. Statistical Office. 1980. Unpublished data.

**BENCHMARK DATA**

|  |        |
|--|--------|
| 1. Enumerated population, census of April 4, 1976..... | 60,496 |
| 2. Adjusted population, census of April 4, 1976.....   | NA     |
| 3. Births per 1,000 population, 1978.....              | 11     |
| 4. Deaths per 1,000 population, 1978.....              | 17     |
| 5. Annual rate of growth, 1977-78.....                 | 2.2    |
| 6. Life expectancy at birth.....                       | NA     |
| 7. Infant deaths per 1,000 live births, 1978.....      | 10     |

**PROJECTED ESTIMATES**

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 64,100 |
| 9. Births per 1,000 population, 1978.....      | 11     |
| 10. Deaths per 1,000 population, 1978.....     | 17     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.2    |

**NOTES:**

1. Final census figure as reported in *PVSR January 1980*.
2. The 1976 census has not been evaluated for possible coverage error.
- 3-4. Registered vital rates as reported in *PVSR January 1980*.
5. Calculated from official midyear population estimates for 1977 and 1978 from U.N. (1980). The difference between the 1977-78 growth rate and the 1978 natural decrease rate implies an immigration rate of approximately 27 per 1,000 population.
6. Data not available.
7. Calculated from registered vital data as reported in *PVSR January 1980*.
8. See notes for Midyear Population Estimates.
- 9-10. See note 3-4.
11. Projected assuming a continuation of the 1977-78 growth rate.

## ISLE OF MAN

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 56.2       | 1970                       | 55.4       | 1950-55 | -2.1                       |
| 1955 | 50.7       | 1971                       | 56.4       | 1955-60 | -1.0                       |
| 1960 | 48.2       | 1972                       | 57.3       | 1960-65 | 0.7                        |
| 1961 | 48.1       | 1973                       | 58.1       | 1965-70 | 2.1                        |
| 1962 | 48.3       | 1974                       | 59.0       | 1970-75 | 1.5                        |
| 1963 | 48.7       | 1975                       | 59.8       | 1975-79 | 1.7                        |
| 1964 | 49.1       | 1976                       | 60.8       |         |                            |
| 1965 | 49.8       | 1977                       | 61.4       |         |                            |
| 1966 | 50.6       | 1978                       | 62.8       |         |                            |
| 1967 | 51.5       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 52.7       | 1979                       | 64.1       |         |                            |
| 1969 | 54.1       |                            |            |         |                            |

**NOTES:** 1950-75—Based on the 1951, 1961, 1966, 1971, and 1976 censuses as reported in *UNDY 1970*, table 7; *UNDY 1977*, table 6; and on assumed trends in fertility, mortality, and migration during the intercensal periods.

1976-78—Official midyear estimates from U.N. (1980).

1979—Estimated by FDAD assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source  |
|----------------|-----------------------|---------------------|---|
| April 9, 1951  | 55,253                |                     | Enumerated populations for 1951, 1961, and 1966 as reported in <i>UNDY 1970</i> , table 7; and for 1971 and 1976 as reported in <i>UNDY 1977</i> , table 6. |
| April 23, 1961 | 48,133                |                     |   |
| April 24, 1966 | 50,423                |                     |   |
| April 25, 1971 | 56,289                |                     |   |
| April 4, 1976  | 60,496                |                     |   |

**MAJOR SOURCES**

United Nations. Statistical Office. 1980. Unpublished data.

**BENCHMARK DATA**

|   |            |
|---|------------|
| 1. Enumerated population, census of October 24, 1971..... | 54,136,547 |
| 2. Adjusted population, census of October 24, 1971.....   | NA         |
| 3. Births per 1,000 population, 1978.....                 | 13         |
| 4. Deaths per 1,000 population, 1978.....                 | 10         |
| 5. Annual rate of growth, 1978 (percent).....             | 0.4        |
| 6. Life expectancy at birth, 1970-72.....                 | 72         |
| 7. Infant deaths per 1,000 live births, 1978.....         | 17         |

**PROJECTED ESTIMATES**

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 56,877,000 |
| 9. Births per 1,000 population, 1978.....      | 13         |
| 10. Deaths per 1,000 population, 1978.....     | 10         |
| 11. Annual rate of growth, 1978 (percent)..... | 0.4        |

**NOTES:**

1. Final census figure as reported in Istituto Centrale di Statistica, 1978a, table 6. Refers to resident population.
2. The 1971 census has not been evaluated for possible coverage error.
- 3-4. Calculated from registered births and deaths and an official midyear population estimate reported in Istituto Centrale di Statistica, 1979, table 2-1.
5. Based on official January 1 population estimate reported in Istituto Centrale di Statistica, 1979, table 2-1.
6. Official estimate as reported in Istituto Centrale di Statistica, 1978a, table 31.
7. Calculated from registered data as reported in Istituto Centrale di Statistica, 1979, table 2-2.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 47,105     | 1970 | 53,661     | 1950-55 | 0.6                        |
| 1955 | 48,633     | 1971 | 54,005     | 1955-60 | 0.6                        |
| 1960 | 50,198     | 1972 | 54,344     | 1960-65 | 0.7                        |
| 1961 | 50,523     | 1973 | 54,892     | 1965-70 | 0.6                        |
| 1962 | 50,843     | 1974 | 55,385     | 1970-75 | 0.8                        |
| 1963 | 51,198     | 1975 | 55,810     | 1975-79 | 0.5                        |
| 1964 | 51,600     | 1976 | 56,156     |         |                            |
| 1965 | 51,987     | 1977 | 56,446     |         |                            |
| 1966 | 52,332     | 1978 | 56,697     |         |                            |
| 1967 | 52,667     | 1979 | 56,877     |         |                            |
| 1968 | 52,987     |      |            |         |                            |
| 1969 | 53,317     |      |            |         |                            |

**NOTES:** All data refer to the resident population.

1950-55—Reported in OECD, 1963, p. 68.

1960-71—Calculated from January 1 estimates reported in Council of Europe, 1979, p. 73; OECD, 1974, p. 266; and Istituto Centrale di Statistica, 1973, table 2-1.

1972-79—Reported in Istituto Centrale di Statistica, various issues, 1973 through 1979.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| November 4, 1951 | 47,158,738            |                     | Final census figures for 1951, 1961, and 1971 as reported in <i>UNDY 1960</i> , table 1; <i>UNDY 1970</i> , table 2; and <i>UNDY 1977</i> , table 3, respectively. |
| October 15, 1961 | 49,903,878            |                     |  |
| October 24, 1971 | 53,744,736            |                     |  |

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Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

Istituto Centrale di Statistica. 1973. *Bollettino mensile di statistica*, no. 4. Rome.

\_\_\_\_\_. 1974. *Bollettino mensile di statistica*, no. 9. Rome

\_\_\_\_\_. 1975. *Bollettino mensile di statistica*, no. 11. Rome

\_\_\_\_\_. 1976. *Bollettino mensile di statistica*, no. 11. Rome

\_\_\_\_\_. 1977. *Bollettino mensile di statistica*, no. 11. Rome

\_\_\_\_\_. 1978a. *Annuario statistico italiano, edizione 1978*. Rome.

\_\_\_\_\_. 1978b. *Bollettino mensile di statistica*, no. 11. Rome.

\_\_\_\_\_. 1979. *Bollettino mensile di statistica*, no. 8. Rome.

Organization for Economic Cooperation and Development (OECD). 1963. *Manpower Statistics 1950-1962*. Paris.

\_\_\_\_\_. 1972. *Labour Force Statistics 1959-1970*. Paris.

\_\_\_\_\_. 1974. *Labour Force Statistics 1961-1972*. Paris.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|   |        |
|---|--------|
| 1. Enumerated population, census of December 1, 1970..... | 21,350 |
| 2. Adjusted population, census of December 1, 1970.....   | NA     |
| 3. Births per 1,000 population, 1978.....                 | 12     |
| 4. Deaths per 1,000 population, 1978.....                 | 6      |
| 5. Annual rate of growth, 1978 (percent).....             | 2.5    |
| 6. Life expectancy at birth.....                          | NA     |
| 7. Infant deaths per 1,000 live births, 1977.....         | 6      |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 25,800 |
| 9. Births per 1,000 population, 1978.....      | 12     |
| 10. Deaths per 1,000 population, 1978.....     | 6      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.5    |

## NOTES:

1. Final census figure as reported in *UNDY 1977*, table 3.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Official registered data as reported in Council of Europe, 1979, p. 74.
5. Calculated from official Dec. population estimates for 1977 and 1978 as reported in Council of Europe, 1979, p. 76. The difference between the unrounded crude birth and death rates and the growth rate implies a net immigration rate of 19 per 1,000 population.
6. Data not available.
7. Calculated from official registered infant deaths and births as reported in *PVSR January 1980*.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## LIECHTENSTEIN

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 13.5       | 1970                       | 21.4       | 1950-55 | 1.7                        |
| 1955 | 14.7       | 1971                       | 21.8       | 1955-60 | 2.2                        |
| 1960 | 16.4       | 1972                       | 22.4       | 1960-65 | 3.1                        |
| 1961 | 16.9       | 1973                       | 23.2       | 1965-70 | 2.1                        |
| 1962 | 17.4       | 1974                       | 23.7       | 1970-75 | 2.3                        |
| 1963 | 18.1       | 1975                       | 23.9       | 1975-79 | 1.9                        |
| 1964 | 18.8       | 1976                       | 24.2       |         |                            |
| 1965 | 19.2       | 1977                       | 24.7       |         |                            |
| 1966 | 19.6       | 1978                       | 25.3       |         |                            |
| 1967 | 20.2       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 20.8       | 1979                       | 25.8       |         |                            |
| 1969 | 21.5       |                            |            |         |                            |

**NOTES:** 1950-77—Derived from official estimates (U.N., 1978).

1978—Official provisional estimate reported in Council of Europe, 1979, p. 76.

1979—Projected by FDAD assuming a continuation of the 1975-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source  |
|------------------|-----------------------|---------------------|---|
| December 1, 1950 | 13,757                |                     | Final census figures as reported in <i>UNDY 1970</i> , table 7; and <i>UNDY 1977</i> , table 3. |
| December 1, 1960 | 16,628                |                     |   |
| December 1, 1970 | 21,350                |                     |   |

**MAJOR SOURCES**

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

United Nations. Statistical Office. 1978. Unpublished data.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of December 31, 1970..... | 339,841 |
| 2. Adjusted population, census of December 31, 1970.....   | NA      |
| 3. Births per 1,000 population, 1978.....                  | 11      |
| 4. Deaths per 1,000 population, 1978.....                  | 12      |
| 5. Annual rate of growth, 1978 (percent).....              | -0.0    |
| 6. Life expectancy at birth, 1972-74.....                  | 71      |
| 7. Infant deaths per 1,000 live births, 1978.....          | 11      |

## PROJECTED ESTIMATES

|   |         |
|---|---------|
| 8. Population, July 1, 1979 .....               | 358,000 |
| 9. Births per 1,000 population, 1978.....       | 11      |
| 10. Deaths per 1,000 population, 1978.....      | 12      |
| 11. Annual rate of growth, 1978 (percent) ..... | -0.0    |

## NOTES:

- Final census figure as reported in STATEC, 1978, table 2.11. Population is de jure.
- The 1970 census has not been evaluated for possible coverage error.
4. Preliminary official registered data as reported in Council of Europe, 1979, p. 77.
5. Calculated from Jan. 1 population estimates for 1978 and 1979 as reported in Council of Europe, 1979, p. 79. Net migration was reported in Council of Europe, 1979, p. 23 to be close to zero.
6. Calculated from official estimates of life expectancy at birth by sex as reported in STATEC, 1978, table 2.3184.
7. Preliminary official registered data as reported in *PVSR January 1980*.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 296        | 1970                       | 339        | 1950-55 | 0.6                        |
| 1955 | 305        | 1971                       | 342        | 1955-60 | 0.6                        |
| 1960 | 314        | 1972                       | 347        | 1960-65 | 1.1                        |
| 1961 | 317        | 1973                       | 350        | 1965-70 | 0.5                        |
| 1962 | 321        | 1974                       | 356        | 1970-75 | 1.1                        |
| 1963 | 324        | 1975                       | 359        | 1975-79 | -0.1                       |
| 1964 | 328        | 1976                       | 359        |         |                            |
| 1965 | 332        | 1977                       | 358        |         |                            |
| 1966 | 334        | 1978                       | 358        |         |                            |
| 1967 | 335        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 336        | 1979                       | 358        |         |                            |
| 1969 | 338        |                            |            |         |                            |

**NOTES:** 1950-71—Official midyear population estimates as reported in STATEC, 1972, table 5.

1972-74—Midyear population estimates as reported in OECD, 1979, pp. 292-293.

1975-78—Calculated from Jan. 1 population estimates for 1974 to 1979 as reported in Council of Europe, 1979, p. 79.

1979—Projected by FDAD based on an estimate for the beginning of the year reported in Council of Europe, 1979, p. 79, and on the assumption that the 1978 growth rate would continue through 1979.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| December 12, 1947 | 290,992               |                     | Final census figures as reported in STATEC, 1978, table 2.11. Population is de jure. |
| December 12, 1960 | 314,889               |                     |  |
| December 12, 1966 | 334,790               |                     |  |
| December 12, 1970 | 339,841               |                     |  |

#### MAJOR SOURCES

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

Organization for Economic Cooperation and Development (OECD). 1979. *Labour Force Statistics 1965-76*. Paris.

Service Central de la Statistique et des Etudes Economiques (STATEC). 1972. *Annuaire Statistique du Luxembourg 1972*. Luxembourg.

\_\_\_\_\_. 1978. *Annuaire Statistique du Luxembourg 1978*. Luxembourg.

**BENCHMARK DATA**

|  |         |
|--|---------|
| 1. Enumerated population, census of November 26, 1967..... | 315,806 |
| 2. Adjusted population, census of November 26, 1967.....   | NA      |
| 3. Births per 1,000 population, 1978.....                  | 18      |
| 4. Deaths per 1,000 population, 1978.....                  | 10      |
| 5. Annual rate of growth, 1978 (percent).....              | 0.5     |
| 6. Life expectancy at birth, 1978.....                     | 70      |
| 7. Infant deaths per 1,000 live births, 1978.....          | 15      |

**PROJECTED ESTIMATES**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 347,000 |
| 9. Births per 1,000 population, 1978.....      | 18      |
| 10. Deaths per 1,000 population, 1978.....     | 10      |
| 11. Annual rate of growth, 1978 (percent)..... | 0.5     |

**NOTES:**

1. Final census figure as reported in Central Office of Statistics, 1979a, table 1.
2. The 1967 census has not been evaluated for possible coverage error.
- 3-4. Calculated from registered births, deaths, and estimated mean population for 1978 as reported in Central Office of Statistics, 1979b, tables 2 and 3.
5. Calculated from official Jan. 1 population estimates for 1978 and 1979 as reported in Central Office of Statistics, 1979b, table 2.
6. Calculated from official estimates of life expectancy at birth by sex as reported in Central Office of Statistics, 1979a, table 30.
7. Reported in Central Office of Statistics, 1979a, table 17.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 312        | 1969 | 323        | 1950-55 | 0.2                        |
| 1955 | 314        | 1970 | 326        | 1955-60 | 0.9                        |
| 1960 | 329        | 1971 | 325        | 1960-65 | -0.6                       |
| 1961 | 329        | 1972 | 319        | 1965-70 | 0.4                        |
| 1962 | 329        | 1973 | 322        | 1970-75 | 0.1                        |
| 1963 | 328        | 1974 | 324        | 1975-79 | 1.4                        |
| 1964 | 324        | 1975 | 328        |         |                            |
| 1965 | 319        | 1976 | 329        |         |                            |
| 1966 | 317        | 1977 | 332        |         |                            |
| 1967 | 319        | 1978 | 340        |         |                            |
| 1968 | 319        | 1979 | 347        |         |                            |

**NOTES:** 1950-79—Official estimates as reported in Central Office of Statistics, 1970, table 5; 1979a, table 5; and 1979b, table 2.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| April 14, 1948    | 305,991               |                     | Enumerated populations as reported in Central Office of Statistics, 1979a, table 1. Populations exclude non-Maltese servicemen and crews of merchant ships, but include their families. |
| November 30, 1957 | 319,620               |                     |   |
| November 26, 1967 | 315,806               |                     |   |

#### MAJOR SOURCES

Central Office of Statistics. 1970. *Demographic Review of the Maltese Islands for the Year 1969*. Valletta.

\_\_\_\_\_. 1979a. *Demographic Review of the Maltese Islands for the Year 1978*. Valletta.

\_\_\_\_\_. 1979b. *Quarterly Digest of Statistics*, no. 78, June. Valletta.

## BENCHMARK DATA

|  |        |
|--|--------|
| 1. Enumerated population, census of February 1975..... | 25,029 |
| 2. Adjusted population, census of February 1975.....   | NA     |
| 3. Births per 1,000 population, 1977.....              | 7      |
| 4. Deaths per 1,000 population, 1977.....              | 11     |
| 5. Annual rate of growth, 1968-75 (percent).....       | 1.2    |
| 6. Life expectancy at birth.....                       | NA     |
| 7. Infant deaths per 1,000 live births, 1972.....      | 10     |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979 .....              | 25,900 |
| 9. Births per 1,000 population, 1978.....      | 7      |
| 10. Deaths per 1,000 population, 1978.....     | 11     |
| 11. Annual rate of growth, 1978 (percent)..... | 1.2    |

## NOTES:

1. Final census figure as reported in *PVSR January 1980*. Population is de jure.
2. The 1975 census has not been evaluated for possible coverage error.
- 3-4. Based on registered births and deaths as reported in *PVSR January 1980* and on estimated midyear population.
5. Intercensal growth rate based on the 1968 and 1975 censuses. Difference between the natural increase rate and the growth rate implies a net immigration rate of approximately 15 per 1,000 population.
6. Data not available.
7. Calculated from official registered data as reported in *UNDY 1975*, tables 13 and 20.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming a continuation of the 1968-75 intercensal growth rate.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |  |
|------|------------|----------------------------|------------|---------|----------------------------|--|
| 1950 | 18.1       | 1970                       | 23.2       | 1950-55 | 0.1                        |  |
| 1955 | 18.3       | 1971                       | 23.4       | 1955-60 | 2.4                        |  |
| 1960 | 20.6       | 1972                       | 23.6       | 1960-65 | 1.7                        |  |
| 1961 | 21.2       | 1973                       | 24.0       | 1965-70 | 0.7                        |  |
| 1962 | 21.8       | 1974                       | 24.3       | 1970-75 | 1.2                        |  |
| 1963 | 22.0       | 1975                       | 24.6       | 1975-79 | 1.3                        |  |
| 1964 | 22.2       | 1976                       | 25.0       |         |                            |  |
| 1965 | 22.4       | <b>PROJECTED ESTIMATES</b> |            |         |                            |  |
| 1966 | 22.6       | 1977                       | 25.3       |         |                            |  |
| 1967 | 22.8       | 1978                       | 25.6       |         |                            |  |
| 1968 | 23.0       | 1979                       | 25.9       |         |                            |  |
| 1969 | 23.0       |                            |            |         |                            |  |

**NOTES:** 1950—Estimated by FDAD based on the 1951 census and the 1951-56 intercensal growth rate.

1951-73—Official estimates from U.N. (1980).

1974—Calculated by averaging the official estimates for 1973 and 1975.

1975-76—Official estimates from U.N. (1980).

1977-79—Projected by FDAD based on the official estimate for 1976 and on the 1968-75 intercensal growth rate.

The following censuses were used in deriving the population time series:

| Census date     | Enumerated population | Adjusted population | Source  |
|-----------------|-----------------------|---------------------|---|
| January 4, 1951 | 18,141                |                     | Enumerated populations for 1951-68 as reported in <i>UNDY 1970</i> , table 7; and for 1975 as reported in <i>PVSR January 1980</i> . Population is de jure. |
| January 4, 1956 | 18,300                |                     |   |
| March 20, 1962  | 21,783                |                     |   |
| March 1, 1968   | 23,035                |                     |   |
| February 1975   | 25,029                |                     |   |

**MAJOR SOURCES**

United Nations. Statistical Office. 1980. Unpublished data.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of February 28, 1971..... | 13,060,115 |
| 2. Adjusted population, census of February 28, 1971.....   | NA         |
| 3. Births per 1,000 population, 1978.....                  | 13         |
| 4. Deaths per 1,000 population, 1978.....                  | 8          |
| 5. Annual rate of growth, 1978 (percent).....              | 0.6        |
| 6. Life expectancy at birth, 1977.....                     | 75         |
| 7. Infant deaths per 1,000 live births, 1978.....          | 9          |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 14,029,000 |
| 9. Births per 1,000 population, 1978 .....     | 13         |
| 10. Deaths per 1,000 population, 1978 .....    | 8          |
| 11. Annual rate of growth, 1978 (percent)..... | 0.6        |

## NOTES:

1. Census figure as reported in Centraal Bureau voor de Statistiek, 1978a, p. 21.
2. The 1971 census has not been evaluated for possible coverage error.
- 3-4. Registered vital rates as reported in Centraal Bureau voor de Statistiek, 1979c, p. 168.
5. Based on official population estimates for the beginning and end of the year reported in Centraal Bureau voor de Statistiek, 1979c, p. 168. The growth rate exceeded the rate of natural increase due to a net migration rate of 2 per 1,000 population. Migration data were reported in Centraal Bureau voor de Statistiek, 1979c, pp. 174-175.
6. Calculated from official estimates of life expectancy by sex reported in Centraal Bureau voor de Statistiek, 1979a, table 22.
7. Registered rate as reported in Centraal Bureau voor de Statistiek, 1979c, p. 168.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 10,114     | 1970                       | 13,032     | 1950-55 | 1.2                        |
| 1955 | 10,751     | 1971                       | 13,194     | 1955-60 | 1.3                        |
| 1960 | 11,486     | 1972                       | 13,330     | 1960-65 | 1.4                        |
| 1961 | 11,639     | 1973                       | 13,438     | 1965-70 | 1.2                        |
| 1962 | 11,806     | 1974                       | 13,541     | 1970-75 | 0.9                        |
| 1963 | 11,966     | 1975                       | 13,653     | 1975-79 | 0.7                        |
| 1964 | 12,127     | 1976                       | 13,770     |         |                            |
| 1965 | 12,292     | 1977                       | 13,853     |         |                            |
| 1966 | 12,455     | 1978                       | 13,937     |         |                            |
| 1967 | 12,597     |                            |            |         |                            |
| 1968 | 12,725     | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1969 | 12,873     | 1979                       | 14,029     |         |                            |

NOTES: 1950-55—UNDY 1970, table 6.

1960-71—OECD, 1975, pp. 14-15.

1972-74—UNDY 1977, table 6.

1975-78—Centraal Bureau voor de Statistiek, 1977, p. 84; 1978b, p. 6; 1979b, p. 84; and 1979c, p. 168.

1979—Estimated by FDAD based on an official estimate for May 1, 1979, reported in Centraal Bureau voor de Statistiek, 1979d, p. 675, and on the assumption that the net change during May and June of 1979 would be the same as in May and June of 1978.

The following censuses were used in deriving the population time series:

| Census date | Enumerated population | Adjusted population | Source |
|-------------|-----------------------|---------------------|--------|
|-------------|-----------------------|---------------------|--------|

May 31, 1960 11,461,964

February 28, 1971 13,060,115

Final population census figures as reported in Centraal Bureau voor de Statistiek, 1978a, p. 21. Figures are for the resident (de jure) population.

#### MAJOR SOURCES

Centraal Bureau voor de Statistiek. 1977. *Maandstatistiek van Bevolking en Volksgezondheid*, vol. 25, no. 3, Mar. The Hague.

\_\_\_\_\_. 1978a. *Statistical Yearbook of the Netherlands 1977*. The Hague.

\_\_\_\_\_. 1978b. *Maandstatistiek van Bevolking en Volksgezondheid*, vol. 26, no. 1, Jan. The Hague.

\_\_\_\_\_. 1979a. *Maandstatistiek van Bevolking en Volksgezondheid*. 1978. *Supplement: Jaaroverzicht Bevolking en Volksgezondheid 1977*, vol. 26. The Hague.

\_\_\_\_\_. 1979b. *Maandstatistiek van Bevolking en Volksgezondheid*, vol. 27, no. 3, Mar. The Hague.

\_\_\_\_\_. 1979c. *Maandstatistiek van Bevolking en Volksgezondheid*, vol. 27, no. 5, May. The Hague.

\_\_\_\_\_. 1979d. *Maandschrift*, vol. 74, no. 8, Aug. The Hague.

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

Organization for Economic Cooperation and Development (OECD). *Labour Force Statistics 1962-1973*. Paris.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of November 1, 1970..... | 3,874,133 |
| 2. Adjusted population, census of November 1, 1970.....   | NA        |
| 3. Births per 1,000 population, 1978.....                 | 13        |
| 4. Deaths per 1,000 population, 1978.....                 | 10        |
| 5. Annual rate of growth, 1978 (percent).....             | 0.4       |
| 6. Life expectancy at birth, 1976-77.....                 | 75        |
| 7. Infant deaths per 1,000 live births, 1978.....         | 9         |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 4,074,000 |
| 9. Births per 1,000 population, 1978.....      | 13        |
| 10. Deaths per 1,000 population, 1978.....     | 10        |
| 11. Annual rate of growth, 1978 (percent)..... | 0.4       |

## NOTES:

1. Final census figure as reported in Statistisk Sentralbyrå, 1979a, table 5.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Official registered data as reported in Statistisk Sentralbyrå, 1979b, table xxi.
5. Calculated from official Jan. 1 population estimates for 1978 and 1979 as reported in Statistisk Sentralbyrå, 1979b, table xxi. The difference between the natural increase rate and the growth rate implies a net immigration rate of 1 per 1,000 population.
6. Calculated from estimates of life expectancy by sex reported in Statistisk Sentralbyrå, 1979a, table 42.
7. Official registered data as reported in Statistisk Sentralbyrå, 1979b, table xxi.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 3,265      | 1969 | 3,851      | 1950-55 | 1.0                        |
| 1955 | 3,427      | 1970 | 3,877      | 1955-60 | 0.9                        |
| 1960 | 3,581      | 1971 | 3,903      | 1960-65 | 0.8                        |
| 1961 | 3,610      | 1972 | 3,933      | 1965-70 | 0.8                        |
| 1962 | 3,639      | 1973 | 3,961      | 1970-75 | 0.7                        |
| 1963 | 3,667      | 1974 | 3,985      | 1975-79 | 0.4                        |
| 1964 | 3,694      | 1975 | 4,007      |         |                            |
| 1965 | 3,723      | 1976 | 4,026      |         |                            |
| 1966 | 3,754      | 1977 | 4,043      |         |                            |
| 1967 | 3,786      | 1978 | 4,059      |         |                            |
| 1968 | 3,819      | 1979 | 4,074      |         |                            |

**NOTES:** 1950-79—Official estimates based on the central population register as reported in Statistisk Sentralbyrå, 1978, table 9; 1979b, table xxi; and 1979c, table 1.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source  |
|------------------|-----------------------|---------------------|---|
| December 1, 1950 | 3,278,546             |                     | Enumerated populations as reported in Statistisk Sentralbyrå, 1979a, table 5. |
| November 1, 1960 | 3,591,234             |                     |   |
| November 1, 1970 | 3,874,133             |                     |   |

**MAJOR SOURCES**

Statistisk Sentralbyrå. 1978. *Historisk Statistikk 1978*. Oslo.

\_\_\_\_\_. 1979a. *Statistisk årbok 1979*. Oslo.

\_\_\_\_\_. 1979b. *Statistisk månedshefte*, no. 9. Oslo.

\_\_\_\_\_. 1979c. *Folkemengdens bevegelse 1978*. Oslo.

**BENCHMARK DATA**

|   |            |
|---|------------|
| 1. Enumerated population, census of December 7, 1978..... | 35,032,000 |
| 2. Adjusted population, census of December 7, 1978.....   | NA         |
| 3. Births per 1,000 population, 1978.....                 | 19         |
| 4. Deaths per 1,000 population, 1978.....                 | 9          |
| 5. Annual rate of growth, 1978 (percent).....             | 0.9        |
| 6. Life expectancy at birth, 1975-76.....                 | 71         |
| 7. Infant deaths per 1,000 live births, 1978.....         | 22         |

**PROJECTED ESTIMATES**

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 35,227,000 |
| 9. Births per 1,000 population, 1978.....      | 19         |
| 10. Deaths per 1,000 population, 1978.....     | 9          |
| 11. Annual rate of growth, 1978 (percent)..... | 0.9        |

**NOTES:**

1. Preliminary census figure as reported in Główny Urząd Statystyczny, 1979a, p. 23.
2. The 1978 census has not been evaluated for possible coverage error. A post enumeration survey was conducted but results are not yet available.
- 3-4. Registered vital rates as reported in Główny Urząd Statystyczny, 1979b, table 3.
5. Derived by subtracting the net emigration rate (0.8 per 1,000 population) and the 1978 portion (0.4 per 1,000 population) of the 1970-78 intercensal adjustment from the natural increase rate (9.8 per 1,000). Net emigration for 1978 was reported in Główny Urząd Statystyczny, 1979a, p. 24. The intercensal adjustment was made to account for the difference between the preliminary 1978 census total and the unrevised population estimates.
- 6-7. Reported in Główny Urząd Statystyczny, 1979b, table 3; and 1979c, table 62(72), p. 124.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 24,824     | 1970                       | 32,526     | 1950-55 | 1.8                        |
| 1955 | 27,221     | 1971                       | 32,776     | 1955-60 | 1.7                        |
| 1960 | 29,590     | 1972                       | 33,034     | 1960-65 | 1.1                        |
| 1961 | 29,979     | 1973                       | 33,321     | 1965-70 | 0.8                        |
| 1962 | 30,330     | 1974                       | 33,629     | 1970-75 | 0.9                        |
| 1963 | 30,662     | 1975                       | 33,951     | 1975-79 | 0.9                        |
| 1964 | 30,976     | 1976                       | 34,277     |         |                            |
| 1965 | 31,262     | 1977                       | 34,595     |         |                            |
| 1966 | 31,532     | 1978                       | 34,899     |         |                            |
| 1967 | 31,785     | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 32,035     | 1979                       | 35,227     |         |                            |
| 1969 | 32,281     |                            |            |         |                            |

**NOTES:** 1950 and 1970—Reported in Główny Urząd Statystyczny, 1979c, table I, p. XVIII.

1955, 1960-69, and 1971-78—Estimated by FDAD based on official estimates for the end of 1950, 1960, 1970, and 1978, reported births, deaths, and net migration, and on intercensal statistical adjustments necessary to correct for the discrepancies between the unrevised population estimates and the respective census figures.

1979—Estimated by FDAD based on an official estimate for the end of May 1979 reported in Główny Urząd Statystyczny, 1979b, table 1, and on projected births and deaths for June 1979.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source  |
|------------------|-----------------------|---------------------|---|
| December 3, 1950 | 25,008,179            |                     | Enumerated population for 1950, 1960, and 1970 as reported in <i>UNDY 1964</i> , table 6; and <i>1977</i> , table 6. Preliminary enumerated population for 1978 as reported in Główny Urząd Statystyczny, 1979a, p. 23. |
| December 6, 1960 | 29,775,508            |                     |   |
| December 8, 1970 | 32,642,270            |                     |   |
| December 7, 1978 | 35,032,000            |                     |   |

**MAJOR SOURCES**

Główny Urząd Statystyczny. 1978. *Rocznik Statystyczny 1978*. Warsaw.

\_\_\_\_\_. 1979a. *Maly Rocznik Statystyczny 1979*. Warsaw.

\_\_\_\_\_. 1979b. *Biuletyn Statystyczny*, no. 6. Warsaw.

\_\_\_\_\_. 1979c. *Rocznik Demograficzny 1978*. Warsaw.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

**BENCHMARK DATA**

|  |           |
|--|-----------|
| 1. Enumerated population, census of December 15, 1970..... | 8,663,252 |
| 2. Adjusted population, census of December 15, 1970.....   | NA        |
| 3. Births per 1,000 population, 1978.....                  | 16        |
| 4. Deaths per 1,000 population, 1978.....                  | 10        |
| 5. Annual rate of growth, 1978 (percent).....              | 0.5       |
| 6. Life expectancy at birth, 1975.....                     | 70        |
| 7. Infant deaths per 1,000 live births, 1975.....          | 39        |

**PROJECTED ESTIMATES**

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 9,843,000 |
| 9. Births per 1,000 population, 1978.....      | 16        |
| 10. Deaths per 1,000 population, 1978.....     | 10        |
| 11. Annual rate of growth, 1978 (percent)..... | 0.5       |

**NOTES:**

1. Final census figure as reported in Instituto Nacional de Estatística, 1978, table 2.1.1. Census figure is for the resident population.
2. The 1970 census has not been evaluated for possible coverage error. Official estimates for Jan. 1 and Dec. 31, 1970 (Statistical Office of the European Communities, p. 137), imply that the census underenumerated the population by 3.9 percent.
- 3-4. Birth and death rates as reported in Council of Europe, 1979, p. 88.
5. Calculated from provisional population estimates for the beginning and end of the year reported in Council of Europe, 1979, p. 90.
6. Reported in Council of Europe, 1979, p. 31.
7. Calculated from registered data reported in Instituto Nacional de Estatística, 1978, table 2.2.1.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## PORTUGAL

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 8,443      | 1970                       | 9,044      | 1950-55 | 0.6                        |
| 1955 | 8,693      | 1971                       | 8,990      | 1955-60 | 0.8                        |
| 1960 | 9,037      | 1972                       | 8,970      | 1960-65 | 0.2                        |
| 1961 | 9,031      | 1973                       | 8,976      | 1965-70 | -0.2                       |
| 1962 | 9,020      | 1974                       | 9,098      | 1970-75 | 0.8                        |
| 1963 | 9,082      | 1975                       | 9,426      | 1975-79 | 1.1                        |
| 1964 | 9,122      | 1976                       | 9,666      |         |                            |
| 1965 | 9,129      | 1977                       | 9,736      |         |                            |
| 1966 | 9,109      | 1978                       | 9,796      |         |                            |
| 1967 | 9,103      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 9,115      |                            |            |         |                            |
| 1969 | 9,097      | 1979                       | 9,843      |         |                            |

**NOTES:** 1950-77 - Calculated from end-of-year estimates reported in Instituto Nacional de Estatística, 1978, table 2.1.2.

1978—Calculated from estimates for the beginning and end of the year reported in Council of Europe, 1979, p. 90.

1979—Estimated by FDAD based on an estimate for the beginning of the year reported in Council of Europe, 1979, p. 90, and on the assumption that the growth rate would be the same as in 1978.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| December 15, 1950 | 8,510,240             |                     | Census figures for the resident population as reported in Instituto Nacional de Estatística, 1978, table 2.1.1. |
| December 15, 1960 | 8,889,392             |                     |   |
| December 15, 1970 | 8,663,252             |                     |   |

**MAJOR SOURCES**

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

Instituto Nacional de Estatística. 1969. *Estatísticas Demográficas 1968*. Lisbon.

\_\_\_\_\_. 1978. *Anuário Estatístico 1977*. Lisbon.

Statistical Office of the European Communities. 1980. *Demographic Statistics 1978*. Luxembourg.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of January 5, 1977..... | 21,559,416 |
| 2. Adjusted population, census of January 5, 1977.....   | NA         |
| 3. Births per 1,000 population, 1977.....                | 20         |
| 4. Deaths per 1,000 population, 1977.....                | 10         |
| 5. Annual rate of growth, 1977 (percent).....            | 0.9        |
| 6. Life expectancy at birth, 1975-77.....                | 70         |
| 7. Infant deaths per 1,000 live births, 1977.....        | 31         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 22,057,000 |
| 9. Births per 1,000 population, 1978.....      | 19         |
| 10. Deaths per 1,000 population, 1978.....     | 10         |
| 11. Annual rate of growth, 1978 (percent)..... | 0.9        |

## NOTES:

1. Census figure as reported in Direcția Centrala de Statistica, 1978, table 13.
2. The census figure was not adjusted. Results of a post enumeration survey indicated that net coverage error was negligible (Direcția Centrala de Statistica, 1979).
- 3-4. Official registered vital rates as reported in Direcția Centrala de Statistica, 1978, table 21.
5. Difference between crude birth and death rates and an estimated net emigration rate of 0.6 per 1,000 population.
- 6-7. Official estimates as reported in Direcția Centrala de Statistica, 1978, tables 21 and 30.
8. See notes for Midyear Population Estimates.
- 9-10. Estimated based on birth and death rates for the period 1975-78 reported in Consiliul Suprem al Dezvoltării Economice și Sociale, Institutul Central de Cercetari Economice, 1979a, pp. 17-18, and on data for the years 1975-77 reported in Direcția Centrala de Statistica, 1978, table 21.
11. Difference between birth and death rates and an estimated net emigration rate of 0.6 per 1,000 population.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 16,311     | 1970                       | 20,253     | 1950-55 | 1.2                        |
| 1955 | 17,325     | 1971                       | 20,470     | 1955-60 | 1.2                        |
| 1960 | 18,403     | 1972                       | 20,663     | 1960-65 | 0.7                        |
| 1961 | 18,567     | 1973                       | 20,828     | 1965-70 | 1.2                        |
| 1962 | 18,681     | 1974                       | 21,029     | 1970-75 | 1.0                        |
| 1963 | 18,813     | 1975                       | 21,245     | 1975-79 | 0.9                        |
| 1964 | 18,927     | 1976                       | 21,446     |         |                            |
| 1965 | 19,027     | 1977                       | 21,658     |         |                            |
| 1966 | 19,141     | 1978                       | 21,855     |         |                            |
| 1967 | 19,285     |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 19,721     | 1979                       | 22,057     |         |                            |
| 1969 | 20,010     |                            |            |         |                            |

**NOTES:** 1950-77—Official estimates reported in Direcția Centrala de Statistica, 1978, tables 13 and 21.

1978—Official estimate reported in *PVSR July 1979*.

1979—Projected estimate provided by FDAD. For further information on sources and methods used in estimation, write the Chief, Foreign Demographic Analysis Division, Bureau of the Census, Washington, D.C. 20230.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source   |
|-------------------|-----------------------|---------------------|--|
| January 25, 1948  | 15,872,624            |                     | Enumerated populations as reported in Direcția Centrala de Statistica, 1978, table 13. |
| February 21, 1956 | 17,489,450            |                     |  |
| March 15, 1966    | 19,103,163            |                     |  |
| January 5, 1977   | 21,559,416            |                     |  |

#### MAJOR SOURCES

Consiliul Suprem al Dezvoltării Economice și Sociale. Institutul Central de Cercetări Economice. 1979a. *Revista Economica*, no. 30. Bucharest.

\_\_\_\_\_. 1979b. *Revista Economica*, no. 32. Bucharest.

Direcția Centrala de Statistica. 1978. *Anuarul Statistic al Republicii Socialiste România 1978*. Bucharest.

\_\_\_\_\_. 1979. "Methods of Estimating the Accuracy Level of Recordings Made in the Population and Housing Census of January 5, 1977." *Statistical Studies*. Bucharest.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|   |        |
|---|--------|
| 1. Enumerated population, census of September 28, 1947..... | 12,100 |
| 2. Adjusted population, census of September 28, 1947.....   | NA     |
| 3. Births per 1,000 population, 1978.....                   | 14     |
| 4. Deaths per 1,000 population, 1978.....                   | 8      |
| 5. Annual rate of growth, 1977-78 (percent).....            | 1.5    |
| 6. Life expectancy at birth.....                            | NA     |
| 7. Infant deaths per 1,000 live births, 1978.....           | 4      |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 21,100 |
| 9. Births per 1,000 population, 1978.....      | 14     |
| 10. Deaths per 1,000 population, 1978.....     | 8      |
| 11. Annual rate of growth, 1978 (percent)..... | 1.5    |

## NOTES:

1. Final census figure as reported in *PVSR January 1980*.
2. The 1947 census has not been evaluated for possible coverage error.
- 3-4. Official registered rates as reported in *PVSR January 1980*.
5. Based on official midyear population estimates for 1977 and 1978 from U.N. (1980). Assuming that the 1977-78 growth rate continued unchanged through calendar year 1978, a net immigration rate of about 9 per 1,000 population is implied.
6. Data not available.
7. Calculated from data reported in *PVSR January 1980*. Rate is based on 1 infant death and 283 births.
8. See notes for Midyear Population Estimates.
- 9-10. See note 3-4.
11. Projected assuming the 1977-78 growth rate continued unchanged through calendar year 1978.

**SAN MARINO****Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 12.8       | 1970                       | 19.2       | 1950-55 | 1.6                        |
| 1955 | 13.8       | 1971                       | 17.9       | 1955-60 | 2.2                        |
| 1960 | 15.4       | 1972                       | 18.5       | 1960-65 | 2.5                        |
| 1961 | 15.6       | 1973                       | 18.9       | 1965-70 | 1.9                        |
| 1962 | 16.7       | 1974                       | 19.3       | 1970-75 | 0.6                        |
| 1963 | 16.9       | 1975                       | 19.7       | 1975-79 | 1.6                        |
| 1964 | 17.1       | 1976                       | 20.1       |         |                            |
| 1965 | 17.4       | 1977                       | 20.4       |         |                            |
| 1966 | 17.7       | 1978                       | 20.7       |         |                            |
| 1967 | 17.9       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 18.3       | 1979                       | 21.1       |         |                            |
| 1969 | 18.7       |                            |            |         |                            |

**NOTES:** 1950 and 1960-78—Official estimates from U.N. (1980).

1955—Calculated by averaging official estimates for 1954 and 1956 from U.N. (1980).

1979—Projected by FDAD assuming a continuation of the 1977-78 growth rate.

**MAJOR SOURCES**

United Nations. Statistical Office. 1980. Unpublished data.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of December 31, 1970..... | 33,956,376 |
| 2. Adjusted population, census of December 31, 1970.....   | NA         |
| 3. Births per 1,000 population, 1978.....                  | 17         |
| 4. Deaths per 1,000 population, 1978.....                  | 8          |
| 5. Annual rate of growth, 1978 (percent).....              | 1.1        |
| 6. Life expectancy at birth, 1970.....                     | 72         |
| 7. Infant deaths per 1,000 live births, 1978.....          | 15         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 37,077,000 |
| 9. Births per 1,000 population, 1978.....      | 17         |
| 10. Deaths per 1,000 population, 1978.....     | 8          |
| 11. Annual rate of growth, 1978 (percent)..... | 1.1        |

## NOTES:

1. Final census figure as reported in Instituto Nacional de Estadística, 1979b, p. 3. Population includes Balearic Islands, Canary Islands, Ceuta and Melilla.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Provisional rates as reported in Instituto Nacional de Estadística, 1979b, p. 4.
5. Based on official estimates of the Jan. 1 de jure population for 1978 and 1979 reported in Instituto Nacional de Estadística, 1979b, p. 3. The official estimates were adjusted by adding estimates for Ceuta and Melilla.
6. Reported in Instituto Nacional Estadística, 1979b, p. 3.
7. Provisional rate as reported in Instituto Nacional Estadística, 1979b, p. 4.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 28,009     | 1970                       | 33,779     | 1950-55 | 0.8                        |
| 1955 | 29,202     | 1971                       | 34,106     | 1955-60 | 0.8                        |
| 1960 | 30,455     | 1972                       | 34,416     | 1960-65 | 1.0                        |
| 1961 | 30,743     | 1973                       | 34,730     | 1965-70 | 1.0                        |
| 1962 | 31,066     | 1974                       | 35,066     | 1970-75 | 1.0                        |
| 1963 | 31,393     | 1975                       | 35,442     | 1975-79 | 1.1                        |
| 1964 | 31,723     | 1976                       | 35,849     |         |                            |
| 1965 | 32,056     | 1977                       | 36,278     |         |                            |
| 1966 | 32,393     | 1978                       | 36,686     |         |                            |
| 1967 | 32,734     |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 33,079     | 1979                       | 37,077     |         |                            |
| 1969 | 33,427     |                            |            |         |                            |

**NOTES:** 1950-60—Estimated by FDAD based on estimates reported in *UNDY 1969*, table 4, and in Instituto Nacional de Estadística, 1969, p. 36. The reported figures were adjusted by adding estimates for Ceuta and Melilla.

1961-70—Reported in Instituto Nacional de Estadística, 1977, p. 56.

1971-78—Estimated by FDAD based on the de facto population total for the 1970 census and on annual growth rates derived from de jure population estimates for the years 1970-78 reported in Instituto Nacional de Estadística, 1979b, p. 3. The reported de jure estimates were adjusted by adding estimates for Ceuta and Melilla.

1979—Estimated by FDAD based on the estimated de facto population for the beginning of the year derived from de jure estimates for 1970-78 and on the assumption that the rate of growth during 1979 would be the same as in 1978.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| December 31, 1950 | 28,117,873            |                     | Final census figure as reported in Instituto Nacional de Estadística, 1979b, p. 3. The census figures include the population of the Balearic Islands, Canary Islands, Ceuta, and Melilla. |
| December 31, 1960 | 30,582,936            |                     |   |
| December 31, 1970 | 33,956,376            |                     |   |

## MAJOR SOURCES

- Instituto Nacional de Estadística. 1969. *Anuario Estadístico de España 1969*, edición manual. Madrid.
- \_\_\_\_\_. 1977. *Anuario Estadístico de España 1977*. Madrid.
- \_\_\_\_\_. 1978. *Movimiento Natural de la Población Española, Año 1975*. Madrid.
- \_\_\_\_\_. 1979a. *Anuario Estadístico de España 1979*, edición manual. Madrid.
- \_\_\_\_\_. 1979b. *Boletín Mensual de Estadística*, nos. 415-416, July-Aug. Madrid.
- Organization for Economic Cooperation and Development (OECD). 1963. *Manpower Statistics 1950-1962*. Paris.
- \_\_\_\_\_. 1972. *Labour Force Statistics 1959-1970*. Paris.
- \_\_\_\_\_. 1978. *Labour Force Statistics 1965-1976*. Paris.
- United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of November 1, 1975..... | 8,208,544 |
| 2. Adjusted population, census of November 1, 1975.....   | NA        |
| 3. Births per 1,000 population, 1978.....                 | 11        |
| 4. Deaths per 1,000 population, 1978.....                 | 11        |
| 5. Annual rate of growth, 1978 (percent).....             | 0.2       |
| 6. Life expectancy at birth, 1977.....                    | 75        |
| 7. Infant deaths per 1,000 live births, 1978.....         | 8         |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 8,296,000 |
| 9. Births per 1,000 population, 1978.....      | 11        |
| 10. Deaths per 1,000 population, 1978.....     | 11        |
| 11. Annual rate of growth, 1978 (percent)..... | 0.2       |

## NOTES:

1. Final census figure as reported in *UNDY 1977*, table 3.
2. The 1975 census has not been evaluated for possible coverage error.
- 3-4. Preliminary registered rates as reported in Statistiska Centralbyrån, 1979, table A.
5. Based on Jan. 1 population figures for 1978 and 1979 reported in Statistiska Centralbyrån, 1979, table A. The growth rate exceeds the rate of natural increase due to a net immigration rate of 1.7 per 1,000 population.
6. Based on life expectancy by sex as reported in Statistiska Centralbyrån, 1978b, table 4.17.
7. Reported in *PVSR October 1979*.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 7,014      | 1969 | 7,968      | 1950-55 | 0.7                        |
| 1955 | 7,262      | 1970 | 8,043      | 1955-60 | 0.6                        |
| 1960 | 7,480      | 1971 | 8,098      | 1960-65 | 0.7                        |
| 1961 | 7,520      | 1972 | 8,122      | 1965-70 | 0.8                        |
| 1962 | 7,562      | 1973 | 8,137      | 1970-75 | 0.4                        |
| 1963 | 7,604      | 1974 | 8,161      | 1975-79 | 0.3                        |
| 1964 | 7,661      | 1975 | 8,193      |         |                            |
| 1965 | 7,734      | 1976 | 8,222      |         |                            |
| 1966 | 7,808      | 1977 | 8,252      |         |                            |
| 1967 | 7,868      | 1978 | 8,278      |         |                            |
| 1968 | 7,912      | 1979 | 8,296      |         |                            |

**NOTES:** 1950-79—Official estimates as reported in Statistiska Centralbyrån, 1976, table 39; 1978a, table 45; and 1979, table A.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| December 31, 1950 | 7,041,829             |                     | Final de jure census figures for 1950, 1960, and 1965 as reported in <i>UNDY 1970</i> , table 7; and for 1970 and 1975 as reported in <i>UNDY 1977</i> , table 6. |
| November 1, 1960  | 7,495,316             |                     |   |
| November 1, 1965  | 7,766,424             |                     |   |
| November 1, 1970  | 8,076,903             |                     |   |
| November 1, 1975  | 8,208,544             |                     |   |

**MAJOR SOURCES**

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

Statistiska Centralbyrån. 1976. *Statistisk årsbok för Sverige 1976*. Stockholm.

\_\_\_\_\_. 1978a. *Statistisk årsbok för Sverige 1978*. Stockholm.

\_\_\_\_\_. 1978b. *Befolkningsförändringar 1977*, del 3. Hela riket och länen m m. Stockholm.

\_\_\_\_\_. 1979. *Allmän månadsstatistik*, no. 12. Stockholm.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of December 1, 1970..... | 6,269,783 |
| 2. Adjusted population, census of December 1, 1970.....   | NA        |
| 3. Births per 1,000 population, 1978.....                 | 11        |
| 4. Deaths per 1,000 population, 1978.....                 | 9         |
| 5. Annual rate of growth, 1978 (percent).....             | 0.1       |
| 6. Life expectancy at birth, 1976-77.....                 | 75        |
| 7. Infant deaths per 1,000 live births, 1978.....         | 9         |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 6,343,000 |
| 9. Births per 1,000 population, 1978.....      | 11        |
| 10. Deaths per 1,000 population, 1978.....     | 9         |
| 11. Annual rate of growth, 1978 (percent)..... | 0.1       |

## NOTES:

1. Final census figure as reported in Bundesamt für Statistik, 1979, p. 14.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Reported in Bundesamt für Statistik, 1979, p. 31.
5. Based on official Jan. 1 populations for 1978 and 1979 reported in Eidgenössisches Statistisches Amt, 1978b, table 67, and in Bundesamt für Statistik, 1979, p. 23. A net emigration rate of 1 per 1,000 population was calculated from data reported in Council of Europe, 1979, p. 98.
6. Calculated from official estimates of life expectancy at birth by sex as reported in Council of Europe, 1979, p. 36.
7. Official rate reported in Bundesamt für Statistik, 1979, p. 61.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 4,694      | 1970                       | 6,267      | 1950-55 | 1.2                        |
| 1955 | 4,980      | 1971                       | 6,324      | 1955-60 | 1.5                        |
| 1960 | 5,362      | 1972                       | 6,385      | 1960-65 | 2.1                        |
| 1961 | 5,512      | 1973                       | 6,431      | 1965-70 | 1.1                        |
| 1962 | 5,666      | 1974                       | 6,443      | 1970-75 | 0.4                        |
| 1963 | 5,789      | 1975                       | 6,405      | 1975-79 | -0.2                       |
| 1964 | 5,887      | 1976                       | 6,346      |         |                            |
| 1965 | 5,943      | 1977                       | 6,327      |         |                            |
| 1966 | 5,996      | 1978                       | 6,337      |         |                            |
| 1967 | 6,063      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 6,132      | 1979                       | 6,343      |         |                            |
| 1969 | 6,212      |                            |            |         |                            |

**NOTES:** 1950-78—Reported in Bundesamt für Statistik, 1979, p. 31.

1979—Estimated by FDAD based on the official estimate for midyear 1978 and on the assumption that the 1978 growth rate would continue unchanged.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source  |
|------------------|-----------------------|---------------------|---|
| December 1, 1950 | 4,714,992             |                     | Enumerated populations for 1950, 1960, and 1970 as reported in Bundesamt für Statistik, 1979, p. 14. Population is de jure. |
| December 1, 1960 | 5,429,061             |                     |   |
| December 1, 1970 | 6,269,783             |                     |   |

**MAJOR SOURCES**

Bundesamt für Statistik. 1979. *Statistisches Jahrbuch der Schweiz 1979*. Basel.

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

Eidgenössisches Statistisches Amt. 1978a. *Statistisches Jahrbuch der Schweiz 1978*. Basel.

\_\_\_\_\_. 1978b. *Bevölkerungsbewegung in der Schweiz 1977*. Bern.

Organization for Economic Cooperation and Development(OECD). 1963. *Manpower Statistics 1950-1962*. Paris.

\_\_\_\_\_. 1978. *Labour Force Statistics 1965-1976*. Paris.

United Nations. 1975. *Economic Survey of Europe in 1974, part II, Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of April 25, 1971..... | 55,515,000 |
| 2. Adjusted population, census of April 25, 1971.....   | NA         |
| 3. Births per 1,000 population, 1978.....               | 12         |
| 4. Deaths per 1,000 population, 1978.....               | 12         |
| 5. Annual rate of growth, 1978-79 (percent).....        | -0.0       |
| 6. Life expectancy at birth, 1974-76.....               | 73         |
| 7. Infant deaths per 1,000 live births, 1977.....       | 14         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 55,901,000 |
| 9. Births per 1,000 population, 1978.....      | 12         |
| 10. Deaths per 1,000 population, 1978.....     | 12         |
| 11. Annual rate of growth, 1978 (percent)..... | -0.0       |

## NOTES:

1. Final census figure as reported in Central Statistical Office, 1978, table 2.1.
2. The 1971 census has not been evaluated for possible coverage error.
3. Reported in Office of Population Censuses and Surveys, 1979, p. 29.
4. Reported in Council of Europe, 1979, p. 102.
5. Calculated from official midyear population estimates for 1978 and 1979 as reported in Central Statistical Office, 1979, p. 177.
6. Calculated from official estimates of life expectancy by sex as reported in Central Statistical Office, 1978, table 2.33.
7. Reported in Office of Population Censuses and Surveys, 1979, p. 29.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 50,363     | 1970 | 55,522     | 1950-55 | 0.3                        |
| 1955 | 51,199     | 1971 | 55,712     | 1955-60 | 0.5                        |
| 1960 | 52,559     | 1972 | 55,869     | 1960-65 | 0.7                        |
| 1961 | 52,956     | 1973 | 56,000     | 1965-70 | 0.4                        |
| 1962 | 53,414     | 1974 | 56,011     | 1970-75 | 0.2                        |
| 1963 | 53,691     | 1975 | 55,981     | 1975-79 | -0.0                       |
| 1964 | 54,033     | 1976 | 55,959     |         |                            |
| 1965 | 54,378     | 1977 | 55,919     |         |                            |
| 1966 | 54,653     | 1978 | 55,903     |         |                            |
| 1967 | 54,933     | 1979 | 55,901     |         |                            |
| 1968 | 55,157     |      |            |         |                            |
| 1969 | 55,372     |      |            |         |                            |

**NOTES:** 1950—Estimated by FDAD by averaging beginning and end-of-year estimates reported in OECD, 1963, p. 114.

1955-60—Reported in *UNDY 1966*, table 4.

1961-64—Reported in OECD, 1975, p. 14.

1965-79—Official estimates as reported in Central Statistical Office, 1976, table 12; 1978, table 2.7; and 1979, p. 177.

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source  |
|----------------|-----------------------|---------------------|---|
| April 8, 1951  | 50,225,000            |                     | Final census figure as reported in Central Statistical Office, 1978, table 2.1. |
| April 23, 1961 | 52,709,000            |                     |   |
| April 24, 1966 | 53,788,000            |                     |   |
| April 25, 1971 | 55,515,000            |                     |   |

**MAJOR SOURCES**

Central Statistical Office. 1976. *Annual Abstract of Statistics 1976*. London.

\_\_\_\_\_. 1978. *Annual Abstract of Statistics 1979*. London.

\_\_\_\_\_. 1979. *Monthly Digest of Statistics*, no. 404, Aug. London.

Council of Europe. 1979. *Recent Demographic Developments in the Member States of the Council of Europe*. Strasbourg.

Office of Population Censuses and Surveys. 1979. *Population Trends*, no. 17. Autumn. London.

Organization for Economic Cooperation and Development (OECD). 1963. *Manpower Statistics 1950-1962*. Paris.

\_\_\_\_\_. 1972. *Labour Force Statistics 1959-1970*. Paris.

\_\_\_\_\_. 1975. *Labour Force Statistics 1962-1973*. Paris.

\_\_\_\_\_. 1978. *Labour Force Statistics 1965-1976*. Paris.

\_\_\_\_\_. 1979. *Labour Force Statistics 1966-1977*. Paris.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|   |            |
|---|------------|
| 1. Enumerated population, census of March 31, 1971..... | 20,522,972 |
| 2. Adjusted population, census of March 31, 1971.....   | NA         |
| 3. Births per 1,000 population, 1978.....               | 17         |
| 4. Deaths per 1,000 population, 1978.....               | 9          |
| 5. Annual rate of growth, 1978 (percent).....           | 0.9        |
| 6. Life expectancy at birth, 1974-75.....               | 69         |
| 7. Infant deaths per 1,000 live births, 1978.....       | 34         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 22,174,000 |
| 9. Births per 1,000 population, 1978.....      | 17         |
| 10. Deaths per 1,000 population, 1978.....     | 9          |
| 11. Annual rate of growth, 1978 (percent)..... | 0.9        |

## NOTES:

1. Final census figures as reported in Savezni zavod za statistiku, 1978, table 104-1. Population is de jure.
2. The 1971 census has not been evaluated for possible coverage error.
- 3-4. Reported in Savezni zavod za statistiku, 1979, p. 4.
5. Difference between unrounded birth and death rates.
- 6-7. Reported in Savezni zavod za statistiku, 1978, table 202-2; and 1979, p. 4.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 16,346     | 1970                       | 20,371     | 1950-55 | 1.4                        |
| 1955 | 17,519     | 1971                       | 20,574     | 1955-60 | 1.0                        |
| 1960 | 18,402     | 1972                       | 20,775     | 1960-65 | 1.1                        |
| 1961 | 18,612     | 1973                       | 20,963     | 1965-70 | 0.9                        |
| 1962 | 18,819     | 1974                       | 21,164     | 1970-75 | 1.0                        |
| 1963 | 19,029     | 1975                       | 21,365     | 1975-79 | 0.9                        |
| 1964 | 19,222     | 1976                       | 21,573     |         |                            |
| 1965 | 19,434     | 1977                       | 21,775     |         |                            |
| 1966 | 19,644     | 1978                       | 21,968     |         |                            |
| 1967 | 19,840     |                            |            |         |                            |
| 1968 | 20,029     | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1969 | 20,209     | 1979                       | 22,174     |         |                            |

**NOTES:** 1950-78—Reported in Savezni zavod za statistiku, 1976, table 2-1; and 1979, p. 4.

1979—Estimate provided by FDAD. For further information on sources and methods used in estimation, write the Chief, Foreign Demographic Analysis Division, Bureau of the Census, Washington, D.C. 20230.

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source  |
|----------------|-----------------------|---------------------|---|
| March 31, 1953 | 16,991,449            |                     | De jure census figures as reported in Savezni zavod za statistiku, 1978, table 104-1. |
| March 31, 1961 | 18,549,291            |                     |   |
| March 31, 1971 | 20,522,972            |                     |   |

**MAJOR SOURCES**

Savezni zavod za statistiku. 1976. *Demografska statistika 1974*. Belgrade.

\_\_\_\_\_. 1977. *Statisticki godisnjak Jugoslavije 1977*. Belgrade.

\_\_\_\_\_. 1978. *Statisticki godisnjak Jugoslavije 1978*. Belgrade.

\_\_\_\_\_. 1979. *Indeks*, no. 8. August. Belgrade.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

## BENCHMARK DATA

|   |             |
|---|-------------|
| 1. Enumerated population, census of January 17, 1979..... | 262,442,000 |
| 2. Adjusted population, census of January 17, 1979.....   | NA          |
| 3. Births per 1,000 population, 1978.....                 | 18          |
| 4. Deaths per 1,000 population, 1978.....                 | 10          |
| 5. Annual rate of growth, 1978 (percent).....             | 0.9         |
| 6. Life expectancy at birth, 1971-72.....                 | 70          |
| 7. Infant deaths per 1,000 live births, 1974.....         | 28          |

## PROJECTED ESTIMATES

|  |             |
|--|-------------|
| 8. Population, July 1, 1979.....               | 263,400,000 |
| 9. Births per 1,000 population, 1978.....      | 18          |
| 10. Deaths per 1,000 population, 1978.....     | 10          |
| 11. Annual rate of growth, 1978 (percent)..... | 0.9         |

## NOTES:

1. Preliminary census figure as reported in Tsentral'noye..., 1979b, p. 67.
2. The census figure was not adjusted. During a post enumeration survey conducted immediately after the census, persons missed by the census were enumerated, resulting in a virtually complete enumeration overall (Tsentral'noye..., 1979c).
- 3-4. Reported in Tsentral'noye..., 1979a, p. 11.
5. Calculated from an official population estimate for Jan. 1, 1978, reported in Tsentral'noye..., 1978b, p. 10, and an estimate for Jan. 1, 1979, that was based on the 1979 census figure.
6. Official data reported in Tsentral'noye..., 1978b, p. 435. Life expectancy at birth for 1975 was estimated by FDAD to be 69 years.
7. Official data reported in *PVSR April 1979*. The infant mortality rate for 1975 was estimated by FDAD to be 30. Both figures exclude live-born infants of less than 28 weeks gestation, less than 1,000 grams in weight and 35 centimeters in length, who die within 7 days of birth.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 180,075    | 1969 | 240,554    | 1950-55 | 1.7                        |
| 1955 | 196,159    | 1970 | 242,757    | 1955-60 | 1.8                        |
| 1960 | 214,329    | 1971 | 245,083    | 1960-65 | 1.5                        |
| 1961 | 218,145    | 1972 | 247,459    | 1965-70 | 1.0                        |
| 1962 | 221,730    | 1973 | 249,747    | 1970-75 | 0.9                        |
| 1963 | 225,063    | 1974 | 252,065    | 1975-79 | 0.9                        |
| 1964 | 228,149    | 1975 | 254,393    |         |                            |
| 1965 | 230,936    | 1976 | 256,674    |         |                            |
| 1966 | 233,533    | 1977 | 258,932    |         |                            |
| 1967 | 235,994    | 1978 | 261,200    |         |                            |
| 1968 | 238,317    | 1979 | 263,400    |         |                            |

**NOTES:** 1950-77—Reported in *Sovet...*, 1971, table 3; 1976, table 4; and 1978, table 3.  
 1978—Reported in *Tsentral'noye...*, 1978b, p. 7.  
 1979—Reported in *Pravda*, July 21, 1979, p. 2.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| January 15, 1959 | 208,826,650           |                     | Final census figures for 1959 and 1970 as reported in Boyarskiy, 1974, p. 166. Preliminary census figure for 1979 as reported in <i>Tsentral'noye...</i> , 1979b, p. 67. |
| January 15, 1970 | 241,720,134           |                     |  |
| January 17, 1979 | 262,442,000           |                     |  |

**MAJOR SOURCES**

- Boyarskiy, A. Ya., ed. 1974. *Naseleniye SSSR; spravochnik*. Moscow.
- Sovet ekonomicheskoy vzaimopomoshchi, Sekretariat. 1971. *Statisticheskii yezhegodnik stran-chlenov Soveta ekonomicheskoy vzaimopomoshchi 1971*. Moscow.
- \_\_\_\_\_. 1976. *Statisticheskii yezhegodnik stran-chlenov Soveta ekonomicheskoy vzaimopomoshchi 1976*. Moscow.
- \_\_\_\_\_. 1978. *Statisticheskii yezhegodnik stran-chlenov Soveta ekonomicheskoy vzaimopomoshchi 1978*. Moscow.
- Tsentral'noye statisticheskoye upravleniye pri Sovete Ministrov SSSR. 1975. *Naseleniye SSSR 1973*. Moscow.
- \_\_\_\_\_. 1976. *Vestnik Statistiki*, no. 11, Nov. Moscow.
- \_\_\_\_\_. 1977. *Narodnoye khozyaystvo SSSR za 60 let; Yubileynyy statisticheskii yezhegodnik*. Moscow.
- \_\_\_\_\_. 1978a. *Vestnik Statistiki*, no. 11, Nov. Moscow.
- \_\_\_\_\_. 1978b. *Narodnoye khozyaystvo SSSR v 1977 g., statisticheskii yezhegodnik*. Moscow.
- \_\_\_\_\_. 1979a. *SSSR v tsifrakh v 1978 godu, kratkiy statisticheskii sbornik*. Moscow.
- \_\_\_\_\_. 1979b. *Vestnik Statistiki*, no. 5, May. Moscow.
- \_\_\_\_\_. 1979c. Unpublished data.

United Nations. 1975. *Economic Survey of Europe in 1974*, part II, *Post-War Demographic Trends in Europe and the Outlook Until the Year 2000*. New York.

# OCEANIA



**Countries not shown**

- American Samoa
- Cook Islands
- French Polynesia
- Guam
- Nauru
- Wallis & Futuna

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Table E-1. **Population of Oceania, 1979, and Vital Rates, 1978, by Subregion**

| Subregion                      | Estimated population July 1, 1979 (thousands) | 1978                        |                             |     | Rate of growth (percent) |
|--------------------------------|---|-----------------------------|-----------------------------|-----|--------------------------|
|                                |   | Births per 1,000 population | Deaths per 1,000 population |     |                          |
| Oceania.....                   | 22,457  | 21                          | 9                           | 1.3 |                          |
| Australia and New Zealand..... | 17,524  | 16                          | 8                           | 1.0 |                          |
| Melanesia.....                 | 3,539   | 43                          | 15                          | 2.6 |                          |
| Micronesia.....                | 320   | 33-35                       | 5-6                         | 2.3 |                          |
| Polynesia.....                 | 1,074   | 29-31                       | 5                           | 1.8 |                          |

Table E-2. **Population of Oceania and Average Annual Rates of Growth, by Subregion: 1950 to 1979**

| Subregion                     | Midyear population (thousands) |        |        |        |        |        |        |
|-------------------------------|--------------------------------|--------|--------|--------|--------|--------|--------|
|                               | 1979                           | 1975   | 1970   | 1965   | 1960   | 1955   | 1950   |
| Oceania.....                  | 22,457                         | 21,325 | 19,420 | 17,538 | 15,767 | 14,078 | 12,518 |
| Australia and New Zealand.... | 17,524                         | 16,842 | 15,471 | 14,068 | 12,733 | 11,413 | 10,176 |
| Melanesia.....                | 3,539                          | 3,185  | 2,777  | 2,438  | 2,146  | 1,889  | 1,667  |
| Micronesia.....               | 320                            | 294    | 250    | 221    | 193    | 181    | 159    |
| Polynesia.....                | 1,074                          | 1,005  | 922    | 811    | 694    | 596    | 518    |

| Subregion                     | Average annual rate of growth (percent) |         |         |         |         |         |
|-------------------------------|---|---------|---------|---------|---------|---------|
|                               | 1975-79                                 | 1970-75 | 1965-70 | 1960-65 | 1955-60 | 1950-55 |
| Oceania.....                  | 1.3                                     | 1.9     | 2.0     | 2.1     | 2.3     | 2.3     |
| Australia and New Zealand.... | 1.0                                     | 1.7     | 1.9     | 2.0     | 2.2     | 2.3     |
| Melanesia.....                | 2.6                                     | 2.7     | 2.6     | 2.5     | 2.6     | 2.5     |
| Micronesia.....               | 2.1                                     | 3.2     | 2.5     | 2.7     | 1.4     | 2.6     |
| Polynesia.....                | 1.7                                     | 1.7     | 2.6     | 3.1     | 2.0     | 2.8     |

Note: For a list of countries comprising each subregion, see Composition of Subregions, pp. 18 and 19.

## Population Growth in Oceania: 1950 to 1979

The countries of Oceania contained only 0.5 percent of the world's population throughout the 1950-79 period. The average annual rate of population growth in this region decreased from 2.3 percent in 1950-55 to 1.9 percent in 1970-75, and to 1.3 percent in 1975-79.

The more developed regions of Australia and New Zealand, characterized by low fertility and low mortality, constituted nearly four-fifths of the total population of Oceania in 1979. The average annual population growth rate of Australia dropped from 2.3 percent in 1950-55 to 1.2 percent in 1975-79, due to a reduction by one-third in the average annual rate of natural increase and by three-fourths in the average annual rate of net immigration. The population growth rate declined even more in New Zealand, from an annual rate of 2.3 percent in 1950-55 to 0.3 percent in 1975-79. While New Zealand's average annual rate of natural increase was falling by approximately 40 percent in this period, the direction of migration shifted from net immigration in 1950-75 (about 7 per 1,000 population annually at the beginning of the period) to net emigration in 1976. Net emigration from New Zealand was especially high in 1977-79 (8 per 1,000 population annually), and a zero population growth rate was recorded in those years.

The remainder of Oceania's population is dispersed among thousands of islands which constitute the less developed regions of Melanesia, Micronesia, and Polynesia. In Melanesia, fertility is high, mortality is moderately high, and the rate of growth has remained relatively high during the 1950-79 period, fluctuating within a narrow range of

2.5-2.7 percent annually. Between 1970-75 and 1975-79, population growth rates remained relatively constant in Papua New Guinea—which constitutes over 85 percent of Melanesia's population—but declined appreciably in New Hebrides (from 3.8 percent to 2.8 percent) and New Caledonia (from 3.7 percent to 0.5 percent). The net international emigration rate for New Caledonia in 1978 was estimated at 13.6 per 1,000 population. However, the trend in the average annual population growth rate of the Solomon Islands has been steadily upward, from 1.4 percent in 1950-55 to 3.5 percent in 1975-79. Since the Solomon Islands represent virtually a closed population, the upswing in the growth rate is not due to immigration but is the result of increasing fertility and declining mortality.

Fertility is moderately high and mortality is low in both Micronesia and Polynesia. In Micronesia, population growth rates have fluctuated widely, ranging from a low of 1.4 percent in 1955-60 to a high of 3.2 percent in 1970-75. Between 1970-75 and 1975-79, the subregion's growth rate decreased to 2.1 percent due primarily to net international emigration from the Pacific Islands and Kiribati and to decreased fertility and a lower net immigration rate for Guam.

In Polynesia, the average annual population growth rate peaked during the 1960-65 period at a level of 3.1 percent, and then declined to 2.6 percent in the 1965-70 period and further to 1.7 percent in the 1970-79 period. The decline in the population growth rate in Polynesia since 1965 is due primarily to net international emigration, chiefly to Australia and New Zealand.

**BENCHMARK DATA**

|   |        |
|---|--------|
| 1. Enumerated population, census of September 25, 1974..... | 29,190 |
| 2. Adjusted population, census of September 25, 1974.....   | NA     |
| 3. Births per 1,000 population, 1977.....                   | 34     |
| 4. Deaths per 1,000 population, 1977.....                   | 4      |
| 5. Annual rate of growth, 1977-78 (percent).....            | 1.3    |
| 6. Life expectancy at birth, 1969-71.....                   | 67     |
| 7. Infant deaths per 1,000 live births, 1977.....           | 17     |

**PROJECTED ESTIMATES**

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 31,500 |
| 9. Births per 1,000 population, 1978.....      | 34     |
| 10. Deaths per 1,000 population, 1978.....     | 4      |
| 11. Annual rate of growth, 1978 (percent)..... | 1.3    |

**NOTES:**

1. Census figure as reported in Development Planning Office, no date, p. 19.
2. The 1974 census has not been evaluated for possible coverage error.
- 3-4. Based on registered data as reported by the Development Planning Office, 1979, and estimated midyear population.
5. Based on the 1977 and 1978 official midyear populations (U.S. Bureau of the Census, 1980, table 1).
6. Based on an official estimate of life expectancy at birth by sex (*UNDY 1975*, table 16), assuming a sex ratio at birth of 1.05.
7. Based on registered data as reported by the Development Planning Office, 1979.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming a continuation of the 1977-78 growth rate.

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 19.1       | 1970                       | 27.3       | 1950-55 | 0.7                        |
| 1955 | 19.8       | 1971                       | 27.7       | 1955-60 | 0.2                        |
| 1960 | 20.0       | 1972                       | 28.2       | 1960-65 | 4.1                        |
| 1961 | 19.9       | 1973                       | 28.6       | 1965-70 | 2.1                        |
| 1962 | 21.0       | 1974                       | 29.1       | 1970-75 | 1.6                        |
| 1963 | 23.1       | 1975                       | 29.6       | 1975-79 | 1.6                        |
| 1964 | 23.2       | 1976                       | 30.2       |         |                            |
| 1965 | 24.6       | 1977                       | 30.7       |         |                            |
| 1966 | 26.7       | 1978                       | 31.1       |         |                            |
| 1967 | 25.1       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 28.1       | 1979                       | 31.5       |         |                            |
| 1969 | 30.4       |                            |            |         |                            |

**NOTES:** 1950-78— Official midyear population estimates based on the 1950, 1960, 1970 and 1974 censuses as reported in U.S. Bureau of the Census, 1966, table 2; 1975, table 2; 1980, table 1; and Development Planning Office, no date.  
 1979— Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source  |
|--------------------|-----------------------|---------------------|---|
| April 1, 1950      | 18,937                |                     | Enumerated populations for 1950, 1960, and 1970 as reported in U.S. Bureau of the Census, 1973, table 1; and for 1974 as reported in Development Planning Office, no date, table 1. |
| April 1, 1960      | 20,051                |                     |   |
| April 1, 1970      | 27,159                |                     |   |
| September 25, 1974 | 29,190                |                     |   |

**MAJOR SOURCES**

- Development Planning Office. 1979. Personal communication.
- \_\_\_\_\_. no date. *Report on the 1974 Census of American Samoa, part I, Basic Information.*
- U.S. Bureau of the Census. 1966. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1950 to 1965." *Current Population Reports, series P-25, no. 336.* Washington, D.C.
- \_\_\_\_\_. 1973. *Census of Population: 1970. Characteristics of the Population, vol. 1, part 54.* Washington, D.C.
- \_\_\_\_\_. 1975. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1960 to 1973." *Current Population Reports, series P-25, no. 603.* Washington, D.C.
- \_\_\_\_\_. 1980. "Estimates of the Population of Puerto Rico and the Outlying Areas: 1970 to 1978." *Current Population Reports, series P-25, no. 872.* Washington, D.C.

## BENCHMARK DATA

|  |            |
|--|------------|
| 1. Enumerated population, census of June 30, 1976..... | 13,548,472 |
| 2. Adjusted population, census of June 30, 1976.....   | 13,915,500 |
| 3. Births per 1,000 population, 1978.....              | 16         |
| 4. Deaths per 1,000 population, 1978.....              | 8          |
| 5. Annual rate of growth, 1978-79 (percent).....       | 1.2        |
| 6. Life expectancy at birth, 1977.....                 | 73         |
| 7. Infant deaths per 1,000 live births, 1977.....      | 12         |

## PROJECTED ESTIMATES

|  |            |
|--|------------|
| 8. Population, July 1, 1979.....               | 14,417,000 |
| 9. Births per 1,000 population, 1978.....      | 16         |
| 10. Deaths per 1,000 population, 1978.....     | 8          |
| 11. Annual rate of growth, 1978 (percent)..... | 1.2        |

## NOTES:

- Final census figure as reported in Australian Bureau of Statistics, 1977b, p. 1.
- Census population officially adjusted for 2.6 percent net underenumeration (Australian Bureau of Statistics, 1978a, p. 97).
- 3-4. Provisional registered rates as reported in *PVSR October 1979*. Data are tabulated by year of registration rather than occurrence.
5. Based on the 1978 and 1979 official midyear populations as reported in Australian Bureau of Statistics, 1979a, Mar. and June Quarter, table 1, and 1979d. Based on the 1978 reported natural increase (see note 3-4) and the 1978-79 growth rate, a net immigration rate of approximately 4 per 1,000 population is implied.
6. Calculated from official estimates of male and female life expectancy at birth (Australian Bureau of Statistics, 1979b, table 8; and 1979c, table 1), and a sex ratio at birth of 1.06 derived from registered data.
7. Registered rate as reported in Australian Bureau of Statistics, 1979b, table 14.
8. See notes for Midyear Population Estimates.
- 9-10. See note 3-4.
11. Based on the 1978 and 1979 official midyear population (Australian Bureau of Statistics, 1979a, June Quarter; and 1979d).

**Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year | Population | Period  | Average annual growth rate |
|------|------------|------|------------|---------|----------------------------|
| 1950 | 8,267      | 1969 | 12,379     | 1950-55 | 2.3                        |
| 1955 | 9,277      | 1970 | 12,660     | 1955-60 | 2.2                        |
| 1960 | 10,361     | 1971 | 12,937     | 1960-65 | 2.0                        |
| 1961 | 10,599     | 1972 | 13,177     | 1965-70 | 2.0                        |
| 1962 | 10,795     | 1973 | 13,380     | 1970-75 | 1.7                        |
| 1963 | 11,001     | 1974 | 13,599     | 1975-79 | 1.2                        |
| 1964 | 11,218     | 1975 | 13,771     |         |                            |
| 1965 | 11,439     | 1976 | 13,916     |         |                            |
| 1966 | 11,655     | 1977 | 14,074     |         |                            |
| 1967 | 11,872     | 1978 | 14,249     |         |                            |
| 1968 | 12,102     | 1979 | 14,417     |         |                            |

**NOTES:** 1950-65—Based on the inflated 1954 and 1961 censuses, the adjusted 1966 census, and estimated growth rates which take into consideration official midyear population estimates, excluding aborigines (Department of Immigration and Ethnic Affairs, 1977, table 2).

1966-70—Based on the adjusted 1971 census and registered births, deaths, and migrants during the 1966-71 intercensal period (Australian Bureau of Statistics, 1975, p. 2; 1978c, June Quarter, table 1; Commonwealth Bureau of Census and Statistics, 1968, Dec., p. 3; 1973, Jan., p. 2; and Department of Immigration and Ethnic Affairs, 1977, table 10).

1971-79—Official midyear population figures (Australian Bureau of Statistics, 1978b, June, p. 2; 1979a, Mar. and June Quarter, table 1 and 1979d), based on the adjusted 1971 and 1976 censuses and registered births, deaths, and migrants.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source   |
|---------------|-----------------------|---------------------|--|
| June 30, 1954 | 8,986,530             | 9,064,000           | Enumerated populations of 1954 (excluding aborigines), 1961, and 1966 reported in Department of Immigration and Ethnic Affairs, 1977, table 2. Enumerated populations of 1971 and 1976 are as reported in Australian Bureau of Statistics, 1977a, p. 136; and 1977b, p. 1, respectively. |
| June 30, 1961 | 10,548,267            | 10,599,000          |  |
| June 30, 1966 | 11,599,498            | 11,655,000          |  |
| June 30, 1971 | 12,755,638            | 12,937,200          |  |
| June 30, 1976 | 13,548,472            | 13,915,500          |  |

The 1971 and 1976 enumerated populations were officially adjusted for 1.4 and 2.6 percent net underenumeration, respectively. A 0.5 percent net underenumeration is implied for the 1966 enumerated census based on the adjusted 1971 census and registered births, deaths, and migrants for the 1966-71 intercensal period; the 1961 enumerated total population inflated for the same percent net underenumeration as implied for the 1966 census. The 1954 enumerated total population was inflated to include aborigines reported in the 1961 census; and further inflated for the same percent net underenumeration implied for the 1966 census.

## MAJOR SOURCES

- Australian Bureau of Statistics. 1968. *Monthly Review of Business Statistics*. Canberra.
- \_\_\_\_\_. 1969. *Official Yearbook of the Commonwealth of Australia*, no. 55. Canberra.
- \_\_\_\_\_. 1973. *Monthly Review of Business Statistics*. Canberra.
- \_\_\_\_\_. 1974. *Demography 1971*, bulletin no. 87. Canberra.
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- \_\_\_\_\_. 1976. *Social Indicators*, no. 1/1976. Canberra.
- \_\_\_\_\_. 1977a. *Year Book Australia, 1975 and 1976*, no. 61. Canberra.
- \_\_\_\_\_. 1977b. *Census of Population and Housing 30 June 1976. Explanatory Notes*, reference no. 2.02.9. Canberra.
- \_\_\_\_\_. 1978a. *Year Book Australia, 1977 and 1978*, no. 62. Canberra.
- \_\_\_\_\_. 1978b. *Monthly Review of Business Statistics*. Canberra.
- \_\_\_\_\_. 1978c. *Population and Vital Statistics*. Canberra.
- \_\_\_\_\_. 1979a. *Population and Vital Statistics*. Canberra.
- \_\_\_\_\_. 1979b. *Deaths 1977*. Canberra.
- \_\_\_\_\_. 1979c. *Births 1977*. Canberra.
- \_\_\_\_\_. 1979d. Personal communication.
- Department of Immigration and Ethnic Affairs. 1977. *Australian Immigration. Consolidated Statistics*, no. 9. Canberra.

BENCHMARK DATA

|   |        |
|---|--------|
| 1. Enumerated population, census of December 1, 1976..... | 18,128 |
| 2. Adjusted population, census of December 1, 1976.....   | NA     |
| 3. Births per 1,000 population, 1977.....                 | 27     |
| 4. Deaths per 1,000 population, 1977.....                 | 9      |
| 5. Annual rate of growth, 1977 (percent).....             | 0.8    |
| 6. Life expectancy at birth, 1976.....                    | 69-71  |
| 7. Infant deaths per 1,000 live births, 1976.....         | 33     |

PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 18,700 |
| 9. Births per 1,000 population, 1978.....      | 27     |
| 10. Deaths per 1,000 population, 1978.....     | 9      |
| 11. Annual rate of growth, 1978 (percent)..... | 0.8    |

NOTES:

1. Final census figure as reported in Statistics Office, 1977, table 1.03.
2. The 1976 census has not been calculated for possible coverage error.
- 3-4. Based on registered data as reported in *PVSR October 1979*, and estimated midyear population. Data are tabulated by year of registration rather than occurrence.
5. Difference between unrounded crude birth and death rates and an estimated net emigration rate of 10 per 1,000 population. Net emigration was calculated based on the average annual emigration rate (Statistics Office, 1977, p. 19) during 1967 to 1976, excluding data for the years 1972 to 1974, which the Statistics Office (1977, p. 19) refers to as "abnormal."
6. Range estimated at the U.S. Bureau of the Census based on west, north and east region model life tables and corresponding registered infant mortality.
7. Registered rate as reported in *PVSR July 1977*.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming a continuation of the 1977 calendar-year growth rate.

## COOK ISLANDS

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 14.6       | 1970                       | 20.8       | 1950-55 | 2.2                        |
| 1955 | 16.2       | 1971                       | 21.3       | 1955-60 | 1.9                        |
| 1960 | 17.8       | 1972                       | 21.3       | 1960-65 | 1.3                        |
| 1961 | 18.2       | 1973                       | 20.9       | 1965-70 | 1.8                        |
| 1962 | 18.5       | 1974                       | 19.9       | 1970-75 | -1.6                       |
| 1963 | 18.7       | 1975                       | 19.2       | 1975-79 | -0.7                       |
| 1964 | 18.9       | 1976                       | 18.4       |         |                            |
| 1965 | 19.1       | 1977                       | 18.4       |         |                            |
| 1966 | 19.2       |                            |            |         |                            |
| 1967 | 19.4       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 19.9       | 1978                       | 18.5       |         |                            |
| 1969 | 20.5       | 1979                       | 18.7       |         |                            |

**NOTES:** 1950-66—Based on the 1951, 1956, 1961 and 1966 censuses, reported births and deaths (*UNDY 1966*, table 16; *1967*, table 17; and *1969*, table 11) and estimated net emigration. Net emigration is based on the average annual net intercensal migration for the respective periods.

1967-76—Official projected estimates (Statistics Office, 1977, p. 18).

1977—Based on the 1976 official midyear population, registered births and deaths (Statistics Office, 1977, p. 19), and estimated net emigration.

1978-79—Projected assuming a continuation of the 1977 calendar-year growth rate.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source   |
|--------------------|-----------------------|---------------------|--|
| September 25, 1951 | 15,079                |                     | Enumerated populations for 1951 to 1966 as reported in <i>UNDY 1970</i> , table 7; and for 1971 and 1976 as reported in Statistics Office, 1977, table 1.03. |
| September 25, 1956 | 16,680                |                     |  |
| September 25, 1961 | 18,378                |                     |  |
| September 1, 1966  | 19,247                |                     |  |
| December 1, 1971   | 21,323                |                     |  |
| December 1, 1976   | 18,128                |                     |  |

**MAJOR SOURCES**

Statistics Office. 1977. *Census of Population and Housing 1976*. Rarotonga.

**BENCHMARK DATA**

|   |         |
|---|---------|
| 1. Enumerated population, census of September 13, 1976..... | 588,068 |
| 2. Adjusted population, census of September 13, 1976.....   | NA      |
| 3. Births per 1,000 population, 1977.....                   | 27      |
| 4. Deaths per 1,000 population, 1977.....                   | 4       |
| 5. Annual rate of growth, 1977-78 (percent).....            | 1.8     |
| 6. Life expectancy at birth, 1966.....                      | 68      |
| 7. Infant deaths per 1,000 live births, 1975.....           | 41      |

**PROJECTED ESTIMATES**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 618,000 |
| 9. Births per 1,000 population, 1978.....      | 26-27   |
| 10. Deaths per 1,000 population, 1978.....     | 4       |
| 11. Annual rate of growth, 1978 (percent)..... | 1.8     |

**NOTES:**

1. Final census figure as reported in *UNDY 1977*, table 3.
2. The 1976 census has not been evaluated for possible coverage error.
- 3-4. Registered rates as reported in *PVSR October 1979*.
5. Based on official midyear population estimates as reported in South Pacific Commission (1979).
6. Based on official estimates of life expectancy at birth by sex and ethnicity (*UNDY 1977*, table 22), weighted by the census proportions of Fijian and Indian population, and assuming a sex ratio at birth of 1.05.
7. Registered rate as reported in Bureau of Statistics (1976, p. 14).
8. See notes for Midyear Population Estimates.
9. Projected range based on assumed trend of fertility since 1977.
10. Projected assuming no significant change in mortality since 1977.
11. Projected assuming a continuation of the 1977-78 growth rate.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year                       | Population | Year | Population | Period  | Average annual growth rate |
|----------------------------|------------|------|------------|---------|----------------------------|
| 1950                       | 287        | 1970 | 521        | 1950-55 | 2.9                        |
| 1955                       | 332        | 1971 | 533        | 1955-60 | 3.4                        |
| 1960                       | 393        | 1972 | 544        | 1960-65 | 3.3                        |
| 1961                       | 407        | 1973 | 556        | 1965-70 | 2.3                        |
| 1962                       | 422        | 1974 | 565        | 1970-75 | 2.0                        |
| 1963                       | 436        | 1975 | 576        | 1975-79 | 1.8                        |
| 1964                       | 451        | 1976 | 585        |         |                            |
| 1965                       | 463        | 1977 | 596        |         |                            |
| 1966                       | 474        | 1978 | 607        |         |                            |
| 1967                       | 485        |      |            |         |                            |
| <b>PROJECTED ESTIMATES</b> |            |      |            |         |                            |
| 1968                       | 495        | 1979 | 618        |         |                            |
| 1969                       | 506        |      |            |         |                            |

**NOTES:** 1950-65—Estimated at the U.S. Bureau of the Census based on the 1946, 1956, and 1966 censuses and assumed fertility, mortality and migration trends.

1966-78—Official midyear population estimates as reported in South Pacific Commission (1979).

1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source                                     |
|--------------------|-----------------------|---------------------|--|
| October 2, 1946    | 259,638               |                     | Enumerated population for 1946             |
| September 27, 1956 | 345,737               |                     | as reported in <i>UNDY 1955</i> , table 1; |
| September 12, 1966 | 476,727               |                     | for 1956 and 1966 as reported in           |
| September 13, 1976 | 588,068               |                     | <i>UNDY 1970</i> , table 6; and for 1976   |
|                    |                       |                     | as reported in <i>UNDY 1977</i> , table 3. |

#### MAJOR SOURCES

Bureau of Statistics. 1976. *Social Indicators for Fiji*, issue no. 3.

Bureau of Statistics. Government Statistician. 1977. Personal communication.

South Pacific Commission. 1979. Personal communication.

**BENCHMARK DATA**

|   |         |
|---|---------|
| 1. Enumerated population, census of April 29, 1977..... | 137,382 |
| 2. Adjusted population, census of April 29, 1977.....   | NA      |
| 3. Births per 1,000 population, 1972.....               | 35      |
| 4. Deaths per 1,000 population, 1972.....               | 7       |
| 5. Annual rate of growth, 1977-78 (percent).....        | 2.2     |
| 6. Life expectancy at birth, 1964-67.....               | 58      |
| 7. Infant deaths per 1,000 live births, 1968.....       | 38      |

**PROJECTED ESTIMATES**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 144,000 |
| 9. Births per 1,000 population, 1978.....      | 33-35   |
| 10. Deaths per 1,000 population, 1978.....     | 7       |
| 11. Annual rate of growth, 1978 (percent)..... | 2.2     |

**NOTES:**

1. Final census figure as reported in *PVSR October 1979*, comprising Austral, Gambier, Marquesas, Rapa, Society and Tuamotu Islands.
2. The 1977 census has not been evaluated for possible coverage error.
- 3-4. Based on provisional registered data as reported in *PVSR October 1979* and estimated midyear population. Completeness of registration is unknown.
5. Based on official 1977 and 1978 midyear populations as reported by South Pacific Commission (1979).
6. Based on life expectancy at birth, by sex, estimated by Pirie and Groenewegen (1973), and an assumed sex ratio at birth of 1.05.
7. Registered rate as reported in *PVSR October 1979*. Completeness of registration is unknown.
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trend of fertility since 1972.
10. Projected assuming no significant change in mortality since 1972.
11. Projected assuming a continuation of the 1977-78 growth rate.

## FRENCH POLYNESIA

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 62         | 1970                       | 116        | 1950-55 | 2.9                        |
| 1955 | 72         | 1971                       | 120        | 1955-60 | 2.4                        |
| 1960 | 81         | 1972                       | 123        | 1960-65 | 3.1                        |
| 1961 | 83         | 1973                       | 126        | 1965-70 | 4.1                        |
| 1962 | 83         | 1974                       | 129        | 1970-75 | 2.6                        |
| 1963 | 87         | 1975                       | 132        | 1975-79 | 2.2                        |
| 1964 | 91         | 1976                       | 135        |         |                            |
| 1965 | 95         | 1977                       | 138        |         |                            |
| 1966 | 99         | 1978                       | 141        |         |                            |
| 1967 | 103        |                            |            |         |                            |
| 1968 | 107        | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1969 | 112        | 1979                       | 144        |         |                            |

**NOTES:** 1950-61—Estimated based on the 1951, 1956, and 1962 censuses as reported by Clairin, 1972.

1962-71—Based on the 1962 and 1971 censuses and registered births and deaths.

1972-78—Official estimates based on the 1977 census as reported by the South Pacific Commission, 1979.

1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source  |
|--------------------|-----------------------|---------------------|---|
| September 17, 1951 | 62,678                |                     | Enumerated populations for 1951, 1956, and 1962 as reported in <i>UNDY 1970</i> , table 7; for 1971 as reported in <i>UNDY 1974</i> , table 3; and for 1977 as reported in <i>PVSR October 1979</i> . |
| December 13, 1956  | 73,724                |                     |   |
| November 9, 1962   | 84,551                |                     |   |
| February 8, 1971   | 119,168               |                     |   |
| April 29, 1977     | 137,382               |                     |   |

#### MAJOR SOURCES

Clairin, Rémy. 1972. "La Population de la Polynésie Française." *Population*, no. 4-5 (July-Oct.).

Pirie, Peter and Ko Groenewegen. 1973. "The Demographic Situation in the Pacific Islands." Unpublished paper presented at the annual meeting of the Population Association of America in New Orleans.

South Pacific Commission. 1979. *Population Estimates for the South Pacific Region, 1966-78*. Unpublished.

**BENCHMARK DATA**

|  |        |
|--|--------|
| 1. Enumerated population, census of April 1, 1970..... | 84,996 |
| 2. Adjusted population, census of April 1, 1970.....   | NA     |
| 3. Births per 1,000 population, 1977.....              | 27     |
| 4. Deaths per 1,000 population, 1977.....              | 3      |
| 5. Annual rate of growth, 1977-78 (percent).....       | 2.7    |
| 6. Life expectancy at birth.....                       | NA     |
| 7. Infant deaths per 1,000 live births, 1977.....      | 15     |

**PROJECTED ESTIMATES**

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 117,000 |
| 9. Births per 1,000 population, 1978.....      | 27      |
| 10. Deaths per 1,000 population, 1978.....     | 3       |
| 11. Annual rate of growth, 1978 (percent)..... | 2.7     |

**NOTES:**

1. Final census figure as reported in U.S. Bureau of the Census, 1973, table 1.
2. The 1970 census has not been evaluated for possible coverage error.
- 3-4. Based on registered data as reported in Office of Vital Statistics, 1977, pp. 4 and 29, and estimated midyear population.
5. Based on the 1977 and 1978 official midyear population estimates (U.S. Bureau of the Census, 1980, table 1).
6. Data not available.
7. Based on registered data as reported in Office of Vital Statistics, 1977, p. 40.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1977.
11. Projected assuming a continuation of the 1977-78 growth rate.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 60         | 1970                       | 87         | 1950-55 | 2.7                        |
| 1955 | 69         | 1971                       | 93         | 1955-60 | -0.5                       |
| 1960 | 67         | 1972                       | 99         | 1960-65 | 2.0                        |
| 1961 | 66         | 1973                       | 109        | 1965-70 | 3.1                        |
| 1962 | 69         | 1974                       | 105        | 1970-75 | 4.2                        |
| 1963 | 72         | 1975                       | 107        | 1975-79 | 2.2                        |
| 1964 | 72         | 1976                       | 108        |         |                            |
| 1965 | 74         | 1977                       | 111        |         |                            |
| 1966 | 79         | 1978                       | 114        |         |                            |
| 1967 | 81         | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 84         |                            |            |         |                            |
| 1969 | 84         | 1979                       | 117        |         |                            |

**NOTES:** 1950-78—Official midyear population estimates based on the 1950, 1960, and 1970 censuses as reported in U.S. Bureau of the Census, 1966, table 2; 1975, table 2; and 1980, table 1.

1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date   | Enumerated population | Adjusted population | Source  |
|---------------|-----------------------|---------------------|---|
| April 1, 1950 | 59,498                |                     | Enumerated populations as reported in U.S. Bureau of the Census, 1973, table 1. |
| April 1, 1960 | 67,044                |                     |   |
| April 1, 1970 | 84,996                |                     |   |

#### MAJOR SOURCES

Office of Vital Statistics. 1977. *Statistical Report 1977*. Agana.

U.S. Bureau of the Census. 1966. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1950 to 1965." *Current Population Reports*, series P-25, no. 336. Washington, D.C.

\_\_\_\_\_. 1973. *Census of Population: 1970. Characteristics of the Population*, vol. 1, part 54. Washington, D.C.

\_\_\_\_\_. 1975. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1960 to 1973." *Current Population Reports*, series P-25, no. 603. Washington, D.C.

\_\_\_\_\_. 1980. "Estimates of the Population of Puerto Rico and the Outlying Areas: 1970 to 1978." *Current Population Reports*, series P-25, no. 872. Washington, D.C.

**BENCHMARK DATA**

|  |        |
|--|--------|
| 1. Enumerated population, census of December 12, 1978..... | 56,213 |
| 2. Adjusted population, census of December 12, 1978.....   | NA     |
| 3. Births per 1,000 population, 1968.....                  | 42     |
| 4. Deaths per 1,000 population, 1965-68.....               | 7      |
| 5. Annual rate of growth, 1973-78 (percent).....           | 1.6    |
| 6. Life expectancy at birth .....                          | NA     |
| 7. Infant deaths per 1,000 live births .....               | NA     |

**PROJECTED ESTIMATES**

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 56,705 |
| 9. Births per 1,000 population, 1978.....      | 29-34  |
| 10. Deaths per 1,000 population, 1978.....     | 6      |
| 11. Annual rate of growth, 1978 (percent)..... | 1.6    |

**NOTES:**

1. Final census figure as reported by Census Commissioner, 1979, table 1.
2. The 1978 census has not been evaluated for possible coverage error.
- 3-4. Rates estimated by Pirie and Groenewegen (1973). Data refer to Kiribati and Tuvalu.
5. Intercensal growth rate based on the 1973 and 1978 censuses.
- 6-7. Data not available.
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trend of fertility since 1968.
10. Projected based on assumed trend of mortality since 1965-68.
11. Projected based on a continuation of the 1973-78 intercensal growth rate.

\*Formerly Gilbert Islands. Of the former "Gilbert Islands and Tuvalu," Kiribati became independent on July 12, 1979, and Tuvalu on October 1, 1978.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 33.4       | 1970                       | 48.9       | 1950-55 | 2.0                        |
| 1955 | 36.9       | 1971                       | 49.8       | 1955-60 | 2.0                        |
| 1960 | 40.7       | 1972                       | 50.6       | 1960-65 | 1.9                        |
| 1961 | 41.5       | 1973                       | 51.5       | 1965-70 | 1.8                        |
| 1962 | 42.4       | 1974                       | 52.4       | 1970-75 | 1.7                        |
| 1963 | 43.2       | 1975                       | 53.2       | 1975-79 | 1.6                        |
| 1964 | 44.0       | 1976                       | 54.1       |         |                            |
| 1965 | 44.8       | 1977                       | 54.9       |         |                            |
| 1966 | 45.6       | 1978                       | 55.8       |         |                            |
| 1967 | 46.4       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 47.2       | 1979                       | 56.7       |         |                            |
| 1969 | 48.1       |                            |            |         |                            |

**NOTES:** 1950-78—Based on the 1947, 1963, 1968, 1973 and 1978 censuses and the respective intercensal growth rates.

1979—Projected based on a continuation of 1973-78 intercensal growth rate.

The following censuses were used in deriving the population time series:

| Census date       | Enumerated population | Adjusted population | Source  |
|-------------------|-----------------------|---------------------|---|
| June 9, 1947      | 31,491                |                     | Enumerated population for 1947 as reported in <i>UNDY 1955</i> , table 5; for 1963 and 1968 as reported in <i>UNDY 1971</i> , table 8; for 1973 as reported in South Pacific Commission, 1975, table 2; and for 1978 as reported by Census Commissioner, 1979, table 1. |
| April 30, 1963    | 43,068                |                     |   |
| December 6, 1968  | 47,578                |                     |   |
| December 8, 1973  | 51,926                |                     |   |
| December 12, 1978 | 56,213                |                     |   |

#### MAJOR SOURCES

Census Commissioner. 1979. *Population Census 1978, Advance Tables*. Tarawa.

Pirie, Peter and Ko Groenewegen. 1973. "The Demographic Situation in the Pacific Islands." Paper presented at the annual meeting of the Population Association of America. New Orleans.

South Pacific Commission. 1975. *Population 1974*. Statistical Bulletin of the South Pacific, no. 7. Noumea, New Caledonia.

**BENCHMARK DATA**

|   |       |
|---|-------|
| 1. Enumerated population, census of January 22, 1977..... | 7,254 |
| 2. Adjusted population, census of January 22, 1977.....   | NA    |
| 3. Births per 1,000 population, 1976.....                 | 22    |
| 4. Deaths per 1,000 population, 1976.....                 | 5     |
| 5. Annual rate of growth, 1976 (percent).....             | 1.7   |
| 6. Life expectancy at birth.....                          | NA    |
| 7. Infant deaths per 1,000 live births.....               | NA    |

**PROJECTED ESTIMATES**

|  |       |
|--|-------|
| 8. Population, July 1, 1979.....               | 7,600 |
| 9. Births per 1,000 population, 1978.....      | 22    |
| 10. Deaths per 1,000 population, 1978.....     | 5     |
| 11. Annual rate of growth, 1978 (percent)..... | 1.7   |

**NOTES:**

1. Preliminary census figure as reported by Groenewegen, 1977. Population is de jure.
2. The 1977 census has not been evaluated for possible coverage error.
- 3-4. Based on registered births and deaths (U.N., 1979), and estimated midyear population.
5. Difference between crude birth and death rates.
- 6-7. Data not available. An infant mortality rate of 52 per 1,000 live births (based on fewer than 30 events) for 1968 is reported in *UNDY 1976*, table 4.
8. See notes for Midyear Population Estimates.
- 9-10. Projected assuming no significant change in fertility or mortality since 1976.
11. Projected assuming a continuation of the 1976 growth rate.

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |  |
|------|------------|----------------------------|------------|---------|----------------------------|--|
| 1950 | 3.4        | 1970                       | 6.6        | 1950-55 | 1.4                        |  |
| 1955 | 3.7        | 1971                       | 6.7        | 1955-60 | 3.9                        |  |
| 1960 | 4.5        | 1972                       | 6.8        | 1960-65 | 4.4                        |  |
| 1961 | 4.6        | 1973                       | 6.9        | 1965-70 | 3.4                        |  |
| 1962 | 4.8        | 1974                       | 7.0        | 1970-75 | 1.3                        |  |
| 1963 | 4.8        | 1975                       | 7.1        | 1975-79 | 1.7                        |  |
| 1964 | 4.9        | 1976                       | 7.2        |         |                            |  |
| 1965 | 5.6        | <b>PROJECTED ESTIMATES</b> |            |         |                            |  |
| 1966 | 6.1        | 1977                       | 7.3        |         |                            |  |
| 1967 | 6.1        |                            |            |         |                            |  |
| 1968 | 6.3        | 1978                       | 7.4        |         |                            |  |
| 1969 | 6.5        | 1979                       | 7.6        |         |                            |  |

**NOTES:** 1950-66—Based on official midyear population estimates as reported by U.N., 1979.

1967-76—Based on the 1966 de facto census, the 1977 de jure census, an official midyear estimate for 1969 (U.N., 1979), and assumed trends in growth rates which take into consideration the 1966-77 intercensal growth rate and registered births and deaths for 1975 and 1976 (U.N., 1979).

1977-79—Projected assuming a continuation of the 1976-77 growth rate.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| June 30, 1949    | 3,269                 |                     | Enumerated populations as reported in <i>UNDY 1962</i> , table 7; <i>UNDY 1970</i> , table 6; and Groenewegen, 1977. The 1977 population is de jure. |
| June 30, 1954    | 3,473                 |                     |  |
| June 30, 1961    | 4,613                 |                     |  |
| June 30, 1966    | 6,057                 |                     |  |
| January 22, 1977 | 7,254                 |                     |  |

**MAJOR SOURCES**

Groenewegen, Ko (South Pacific Commission). 1977. Personal communication.

United Nations. Statistical Office. 1979. Personal communication.

## BENCHMARK DATA

|   |         |
|---|---------|
| 1. Enumerated population, census of April 23, 1976..... | 133,233 |
| 2. Adjusted population, census of April 23, 1976.....   | 134,000 |
| 3. Births per 1,000 population, 1978.....               | 27      |
| 4. Deaths per 1,000 population, 1978.....               | 7       |
| 5. Annual rate of growth, 1978 (percent).....           | 0.6     |
| 6. Life expectancy at birth, 1976.....                  | 64      |
| 7. Infant deaths per 1,000 live births, 1978.....       | 30      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 136,000 |
| 9. Births per 1,000 population, 1978 .....     | 27      |
| 10. Deaths per 1,000 population, 1978 .....    | 7       |
| 11. Annual rate of growth, 1978 (percent)..... | 0.6     |

## NOTES:

1. Final census figure as reported in *PVSR October 1979*. Includes the islands of Huon, Chesterfield, Loyalty, Walpole and Belep Archipelago.
2. Census figure officially adjusted for 0.6 percent underenumeration based on the results of a post enumeration survey (France, no date, p. 6).
- 3-4. Based on registered data of unknown completeness (U.N., 1980) and estimated midyear population.
5. Based on the difference between the unrounded crude birth and death rates and an estimated net emigration rate of 13.6 per 1,000 population, derived from official data as reported in *Service Statistique (1979)*.
6. Based on official male and female life tables as reported in *Service Statistique (1978)*, assuming a sex ratio at birth of 1.05.
7. Registered rate based on data of unknown completeness (U.N., 1980).
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

## NEW CALEDONIA

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 55         | 1970                       | 111        | 1950-55 | 3.3                        |
| 1955 | 65         | 1971                       | 120        | 1955-60 | 3.9                        |
| 1960 | 79         | 1972                       | 126        | 1960-65 | 2.7                        |
| 1961 | 82         | 1973                       | 130        | 1965-70 | 4.1                        |
| 1962 | 85         | 1974                       | 132        | 1970-75 | 3.7                        |
| 1963 | 87         | 1975                       | 134        | 1975-79 | 0.5                        |
| 1964 | 88         | 1976                       | 134        |         |                            |
| 1965 | 90         | 1977                       | 135        |         |                            |
| 1966 | 93         | 1978                       | 135        |         |                            |
| 1967 | 96         |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 99         | 1979                       | 136        |         |                            |
| 1969 | 103        |                            |            |         |                            |

**NOTES:** 1950-78— Estimated based on the 1956, 1963, 1969, 1974, and 1976 adjusted censuses and assumed trends in fertility, mortality and migration, which take into consideration the trend in registered births, deaths, and net migration (Service Statistique, 1978; 1979; and U.N. 1980).

1979— Projected assuming a continuation of the 1978 growth rate.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source   |
|------------------|-----------------------|---------------------|--|
| December 6, 1956 | 68,480                | 69,000              | Enumerated populations for 1956, 1963, and 1969 as reported in <i>UNDY 1970</i> , table 7; and for 1974 and 1976 as reported in France, no date, table P <sub>1</sub> . The 1976 census figure was officially adjusted for 0.6 percent underenumeration based on the results of a post enumeration survey (France, no date, p.6). The 1956 to 1974 censuses were inflated at the U.S. Bureau of the Census for the same percent underenumeration as was reported for 1976. |
| May 2, 1963      | 86,519                | 87,000              |  |
| March 11, 1969   | 100,579               | 101,000             |  |
| April 23, 1974   | 131,665               | 132,000             |  |
| April 23, 1976   | 133,233               | 134,000             |  |

**MAJOR SOURCES**

France. INSEE. no date. *Résultats Statistiques du Recensement Général de la Population de la Nouvelle Calédonie*. 23 Avril 1978. Paris.

Service Statistique. 1978. *Situation Démographique du Territoire Années 1975 à 1977*.

\_\_\_\_\_. 1979. *Annuaire Statistique de la Nouvelle Calédonie 1979*.

United Nations. Statistical Office. 1980. Personal communication.

## BENCHMARK DATA

|  |         |
|--|---------|
| 1. Enumerated population, census of January 15-16, 1979..... | 112,596 |
| 2. Adjusted population, census of January 15-16, 1979.....   | NA      |
| 3. Births per 1,000 population.....                          | NA      |
| 4. Deaths per 1,000 population.....                          | NA      |
| 5. Annual rate of growth, 1967-79 (percent).....             | 3.2     |
| 6. Life expectancy at birth, 1961-63.....                    | 50-60   |
| 7. Infant deaths per 1,000 live births, 1961-63.....         | 95-107  |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979 .....              | 114,000 |
| 9. Births per 1,000 population, 1978.....      | 45      |
| 10. Deaths per 1,000 population, 1978.....     | 15-19   |
| 11. Annual rate of growth, 1978 (percent)..... | 2.6-3.0 |

## NOTES:

1. Provisional census figure as reported by South Pacific Commission (1979).
2. The 1979 census has not been evaluated for possible coverage error.
- 3-4. Data not available. Crude birth and death rates for 1966 of 45 and 20 per 1,000 population, respectively, were reported in *UNDY 1975*, table 4, based on an analysis of 1967 census data.
5. Intercensal growth rate based on the 1967 and 1979 censuses.
6. Range of variation based on the estimated infant mortality rate (see item 7) and corresponding Coale-Demeny north and south region model life tables.
7. Range of variation based on estimated  $l_2$ ,  $l_3$ ,  $l_5$  values using the Feeny mortality technique applied to data from the 1967 census.
8. See notes for Midyear Population Estimates.
- 9-10. Projected based on assumed levels of fertility and mortality, which take into consideration estimated levels for 1966 (see note 3-4).
11. Projected range of variation based on possible combinations of crude birth and death rates.

## NEW HEBRIDES

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                      | Population | Period  | Average annual growth rate |
|------|------------|---------------------------|------------|---------|----------------------------|
| 1950 | 52         | 1970                      | 85         | 1950-55 | 2.4                        |
| 1955 | 59         | 1971                      | 86         | 1955-60 | 2.4                        |
| 1960 | 66         | 1972                      | 91         | 1960-65 | 2.3                        |
| 1961 | 68         | 1973                      | 95         | 1965-70 | 2.6                        |
| 1962 | 69         | 1974                      | 98         | 1970-75 | 3.8                        |
| 1963 | 71         | 1975                      | 102        | 1975-79 | 2.8                        |
| 1964 | 73         | 1976                      | 105        |         |                            |
| 1965 | 74         | 1977                      | 108        |         |                            |
| 1966 | 76         | 1978                      | 111        |         |                            |
| 1967 | 78         |                           |            |         |                            |
|      |            | <b>PROJECTED ESTIMATE</b> |            |         |                            |
| 1968 | 81         | 1979                      | 114        |         |                            |
| 1969 | 83         |                           |            |         |                            |

**NOTES:** 1950-78—Based on the 1967 and 1979 censuses and assumed trends in estimated growth rates, which take into consideration a 1950 estimated midyear population (U.N., 1979, table 1.C) and trends in official midyear estimates for 1964 to 1979 (South Pacific Commission, 1979).

1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date         | Enumerated population | Adjusted population | Source  |
|---------------------|-----------------------|---------------------|---|
| May 28, 1967        | 77,988                |                     | Enumerated population for 1967 as reported in <i>PVSR October 1979</i> ; and for 1979 as reported by South Pacific Commission (1979). |
| January 15-16, 1979 | 112,596               |                     |   |

**MAJOR SOURCES**

France. INSEE. no date. *Le Recensement du Condominium des Nouvelles-Hébrides 1967: Principaux Résultats*. [Paris.]

Pirie, Peter and Ko Groenewegen. 1973. "The Demographic Situation in the Pacific Islands." Paper presented at the annual meeting of the Population Association of America. New Orleans.

South Pacific Commission. 1979. Personal communication.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of March 23, 1976..... | 3,129,383 |
| 2. Adjusted population, census of March 23, 1976.....   | NA        |
| 3. Births per 1,000 population, 1978.....               | 16        |
| 4. Deaths per 1,000 population, 1978.....               | 8         |
| 5. Annual rate of growth, 1978 (percent).....           | 0.0       |
| 6. Life expectancy at birth, 1976.....                  | 72        |
| 7. Infant deaths per 1,000 live births, 1977.....       | 14        |

## PROJECTED ESTIMATES

|  |           |
|--|-----------|
| 8. Population, July 1, 1979.....               | 3,107,000 |
| 9. Births per 1,000 population, 1978.....      | 16        |
| 10. Deaths per 1,000 population, 1978.....     | 8         |
| 11. Annual rate of growth, 1978 (percent)..... | 0.0       |

## NOTES:

1. Provisional census figure as reported in *PVSR July 1979*.
2. The 1976 census has not been evaluated for possible coverage error.
- 3-4. Based on provisional registered and official midyear population as reported in Department of Statistics, 1979, tables 1 and 7. Data are tabulated by year of registration rather than occurrence.
5. Difference between unrounded crude birth and death rates and an official emigration rate of 8.5 per 1,000 population (Department of Statistics, 1979, tables 7 and 9).
6. Calculated at the U.S. Bureau of the Census based on registered deaths by age for 1976, and the 1976 census age distribution moved to midyear.
7. Registered rate as reported in *PVSR July 1979*.
8. See notes for Midyear Population Estimates.
- 9-11. See notes 3-5.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 1,908      | 1970                       | 2,811      | 1950-55 | 2.3                        |
| 1955 | 2,136      | 1971                       | 2,854      | 1955-60 | 2.1                        |
| 1960 | 2,372      | 1972                       | 2,902      | 1960-65 | 2.1                        |
| 1961 | 2,420      | 1973                       | 2,956      | 1965-70 | 1.3                        |
| 1962 | 2,482      | 1974                       | 3,015      | 1970-75 | 1.8                        |
| 1963 | 2,532      | 1975                       | 3,071      | 1975-79 | 0.3                        |
| 1964 | 2,585      | 1976                       | 3,095      |         |                            |
| 1965 | 2,628      | 1977                       | 3,106      |         |                            |
| 1966 | 2,676      | 1978                       | 3,107      |         |                            |
| 1967 | 2,724      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 2,748      | 1979                       | 3,107      |         |                            |
| 1969 | 2,773      |                            |            |         |                            |

**NOTES:** 1950-78—Official midyear population estimates as reported in Department of Statistics, 1977, table 4; and 1979, table 1.

1979—Projected assuming a continuation of the 1978 calendar-year growth rate.

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source  |
|----------------|-----------------------|---------------------|---|
| April 17, 1951 | 1,939,472             |                     | All censuses as reported in Department of Statistics, 1978b, p. 56. |
| April 17, 1956 | 2,174,062             |                     |   |
| April 18, 1961 | 2,414,984             |                     |   |
| March 22, 1966 | 2,676,919             |                     |   |
| March 23, 1971 | 2,862,631             |                     |   |
| March 23, 1976 | 3,129,383             |                     |   |

#### MAJOR SOURCES

Department of Statistics. 1977. *Population and Migration, 1975-77, Part A - Population*. Wellington.

\_\_\_\_\_. 1978a. *Vital Statistics 1975 and 1976*. Wellington.

\_\_\_\_\_. 1978b. *New Zealand Official Yearbook 1978*. Wellington.

\_\_\_\_\_. 1979. *Monthly Abstract of Statistics, May 1979*. Wellington.

BENCHMARK DATA

|   |         |
|---|---------|
| 1. Enumerated population, census of September 18, 1973..... | 115,251 |
| 2. Adjusted population, census of September 18, 1973.....   | NA      |
| 3. Births per 1,000 population, 1973.....                   | 40-43   |
| 4. Deaths per 1,000 population.....                         | NA      |
| 5. Annual rate of growth, 1977-78 (percent).....            | 2.2     |
| 6. Life expectancy at birth, .....                          | NA      |
| 7. Infant deaths per 1,000 live births .....                | NA      |

PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 131,000 |
| 9. Births per 1,000 population, 1978 .....     | 40-43   |
| 10. Deaths per 1,000 population, 1978 .....    | 7-9     |
| 11. Annual rate of growth, 1978 (percent)..... | 2.2     |

NOTES:

1. Final census figure as reported in High Commissioner, no date. Excludes U.S. armed forces stationed at the Kwajalein missile base.
2. The 1973 census has not been evaluated for possible coverage error.
3. Lower bound is a reported rate (High Commissioner, 1978, table 8) based on unpublished tabulations from the 1973 census. Upper bound was estimated at the U.S. Bureau of the Census based on an application of the Brass fertility technique ( $P_2/F_2$  ratio) to children-ever-born data from the 1973 census and 1972 registered births.
4. Data not available.
5. Based on the 1977 and 1978 official midyear population estimates (U.S. Bureau of the Census, 1980, table 1).
- 6-7. Data not available.
8. See notes for Midyear Population Estimates.
9. Projected range of variation assuming no significant change in fertility since 1973.
10. Projected range of variation based on assumed levels of mortality which take into consideration results from an application of child survivorship techniques to 1973 census data and Coale-Demeny west and south region model life tables.
11. Projected assuming a continuation of the 1977-78 growth rate.

## PACIFIC ISLANDS

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 57         | 1970                       | 102        | 1950-55 | 3.1                        |
| 1955 | 66         | 1971                       | 107        | 1955-60 | 2.6                        |
| 1960 | 76         | 1972                       | 111        | 1960-65 | 2.7                        |
| 1961 | 78         | 1973                       | 114        | 1965-70 | 3.3                        |
| 1962 | 81         | 1974                       | 117        | 1970-75 | 3.3                        |
| 1963 | 85         | 1975                       | 120        | 1975-79 | 2.2                        |
| 1964 | 88         | 1976                       | 123        |         |                            |
| 1965 | 91         | 1977                       | 125        |         |                            |
| 1966 | 92         | 1978                       | 128        |         |                            |
| 1967 | 92         |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 94         |                            |            |         |                            |
| 1969 | 97         | 1979                       | 131        |         |                            |

**NOTES:** 1950-78—Official midyear estimates based on the 1950, 1955, 1958, 1967, and 1973 censuses as reported in U.S. Bureau of the Census (1966, table 2; 1975, table 2; and 1980, table 1), which take into consideration preliminary results of the 1977 Occupation and Skill Survey (High Commissioner, 1979).

1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source   |
|--------------------|-----------------------|---------------------|--|
| 1950               | 54,843                |                     | Enumerated populations for 1950, 1955, 1958, and 1967 as reported in U.S. Bureau of the Census, 1973, table 1; and for 1973 as reported in High Commissioner, no date. |
| 1955               | 63,992                |                     |  |
| June 30, 1958      | 70,724                |                     |  |
| March 26, 1967     | 91,448                |                     |  |
| September 18, 1973 | 115,251               |                     |  |

**MAJOR SOURCES**

High Commissioner, Trust Territory of the Pacific Islands. 1978. *Bulletin of Statistics*, vol. I, no. 3. Saipan, Mariana Islands.

\_\_\_\_\_. 1979. Personal communication.

\_\_\_\_\_. no date. *1973 Population of Trust Territory of the Pacific Islands*. Saipan, Mariana Islands.

U.S. Bureau of the Census. 1966. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1950 to 1965." *Current Population Reports*, series P-25, no. 336. Washington, D.C.

\_\_\_\_\_. 1973. *Census of Population: 1970. Characteristics of the Population*, vol. 1, part 58. Washington, D.C.

\_\_\_\_\_. 1975. "Estimates of the Population of Puerto Rico and Other Outlying Areas: 1960 to 1973." *Current Population Reports*, series P-25, no. 603. Washington, D.C.

\_\_\_\_\_. 1980. "Estimates of the Population of Puerto Rico and the Outlying Areas: 1970 to 1978." *Current Population Reports*, series P-25, no. 872. Washington, D.C.

## BENCHMARK DATA

|   |           |
|---|-----------|
| 1. Enumerated population, census of July 7, 1971..... | NA        |
| 2. Adjusted population, census of July 7, 1971.....   | 2,489,935 |
| 3. Births per 1,000 population, 1971.....             | 45        |
| 4. Deaths per 1,000 population, 1971.....             | 16        |
| 5. Annual rate of growth, 1971 (percent).....         | 2.8       |
| 6. Life expectancy at birth, 1966-71.....             | 40-51     |
| 7. Infant deaths per 1,000 live births, 1966-71.....  | 128-161   |

## PROJECTED ESTIMATES

|   |           |
|---|-----------|
| 8. Population, July 1, 1979.....                | 3,067,000 |
| 9. Births per 1,000 population, 1978 .....      | 44        |
| 10. Deaths per 1,000 population, 1978 .....     | 16        |
| 11. Annual rate of growth, 1978 (percent) ..... | 2.7       |

## NOTES:

1. The enumerated population for 1971 is not available.
2. Official adjusted population based on the 1971 census and post enumeration survey (Bureau of Statistics, no date, table 3).
- 3-4. Based on official estimated vital rates for the indigenous population and registered data for the nonindigenous population (Bureau of Statistics, 1978, table 12).
5. Difference between unrounded crude birth and death rates.
6. Range of variation based on estimated infant mortality (see note 7) and Coale-Demeny north and south regional model life tables, respectively.
7. Range of variation estimated at the U.S. Bureau of the Census based on an application of the Feeny mortality technique to data from the 1971 census.
8. See notes for Midyear Population Estimates.
- 9-10. Based on a continuation of the 1976 officially estimated vital rates for the indigenous population, registered data for the nonindigenous population (Bureau of Statistics, 1979a, table 12), and estimated midyear population.
11. Projected based on the official 1976-77 growth rate.

## PAPUA NEW GUINEA

**Midyear Population Estimates and Average Annual Period Growth Rates:**  
**1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 1,453      | 1970                       | 2,418      | 1950-55 | 2.6                        |
| 1955 | 1,650      | 1971                       | 2,490      | 1955-60 | 2.6                        |
| 1960 | 1,875      | 1972                       | 2,552      | 1960-65 | 2.6                        |
| 1961 | 1,923      | 1973                       | 2,620      | 1965-70 | 2.5                        |
| 1962 | 1,973      | 1974                       | 2,683      | 1970-75 | 2.6                        |
| 1963 | 2,024      | 1975                       | 2,756      | 1975-79 | 2.7                        |
| 1964 | 2,076      | 1976                       | 2,829      |         |                            |
| 1965 | 2,130      | 1977                       | 2,906      |         |                            |
| 1966 | 2,185      |                            |            |         |                            |
| 1967 | 2,237      |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 2,292      | 1978                       | 2,986      |         |                            |
| 1969 | 2,353      | 1979                       | 3,067      |         |                            |

**NOTES:** 1950-65—Based on official midyear population estimates (Australia, 1972, p. 8), the 1966 census, and assumed trends in fertility and mortality.

1966-77—Based on official midyear population estimates as reported in Bureau of Statistics (1979a and 1979b, table 3).

1978-79—Projected based on a continuation of the 1976-77 growth rate.

The following censuses were used in deriving the population time series:

| Census date               | Enumerated population | Adjusted population | Source   |
|---------------------------|-----------------------|---------------------|--|
| June 20 -<br>July 9, 1966 |                       | 2,184,986           | The 1966 and 1971 adjusted populations as reported in South Pacific Commission, 1975, table 1. |
| July 7, 1971              |                       | 2,489,935           |  |

### MAJOR SOURCES

Australia. Department of External Territories. 1972. *Compendium of Statistics for Papua New Guinea*. Canberra.

Bureau of Statistics. 1978. *Summary of Statistics 1974/75*. Port Moresby.

\_\_\_\_\_. 1979a. *Summary of Statistics 1975/76*. Port Moresby.

\_\_\_\_\_. 1979b. *Summary of Statistics 1976/77*. Port Moresby.

\_\_\_\_\_. no date. *Population Census 1971, Population Characteristics*, bulletin no. 1. Port Moresby

McDevitt, Thomas M. (Institute of Applied Social and Economic Research, Papua New Guinea). 1980. Personal communication.

Rafiq, M. 1979. "Some Evidence on Recent Demographic Changes in Papua New Guinea," *Population Studies*, vol. 33, no. 2, pp. 307-312.

South Pacific Commission. 1975. *Population 1974*. Statistical Bulletin, no. 7. Noumea, New Caledonia.

## BENCHMARK DATA

|   |         |
|---|---------|
| 1. Enumerated population, census of November 3, 1976..... | 151,983 |
| 2. Adjusted population, census of November 3, 1976.....   | NA      |
| 3. Births per 1,000 population, 1976.....                 | 37      |
| 4. Deaths per 1,000 population, 1976.....                 | 7       |
| 5. Annual rate of growth, 1976-77 (percent).....          | 1.1     |
| 6. Life expectancy at birth, 1962-66.....                 | 54-66   |
| 7. Infant deaths per 1,000 live births, 1962-66.....      | 70-87   |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 155,000 |
| 9. Births per 1,000 population, 1978.....      | 37      |
| 10. Deaths per 1,000 population, 1978.....     | 7       |
| 11. Annual rate of growth, 1978 (percent)..... | 1.1     |

## NOTES:

- Final census figure as reported in Department of Statistics, 1979, table 3.
- The 1976 census has not been evaluated for possible coverage error.
4. Rates based on official estimates of births and deaths as reported in Department of Statistics, 1977b, table 4, and official midyear population estimates.
- Based on official midyear population estimates for 1976 and 1977.
- Range of variation based on estimated infant mortality (see note 7) and Coale-Demeny north and south regional model life tables, respectively. An official estimate of 61 years was reported in Department of Statistics (1977c).
- Range of variation estimated at the U.S. Bureau of the Census based on an application of the Feeny mortality technique to data from the 1971 census. An infant mortality rate of 40 per 1,000 live births was reported in *PVSR July 1977*.
- See notes for Midyear Population Estimates.
10. Projected assuming no significant change in fertility or mortality since 1976.
11. Projected assuming a continuation of the 1976-77 growth rate.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 82         | 1970                       | 142        | 1950-55 | 2.7                        |
| 1955 | 94         | 1971                       | 145        | 1955-60 | 3.2                        |
| 1960 | 110        | 1972                       | 148        | 1960-65 | 2.9                        |
| 1961 | 114        | 1973                       | 149        | 1965-70 | 2.3                        |
| 1962 | 117        | 1974                       | 150        | 1970-75 | 0.9                        |
| 1963 | 121        | 1975                       | 149        | 1975-79 | 1.0                        |
| 1964 | 124        | 1976                       | 150        |         |                            |
| 1965 | 127        | 1977                       | 152        |         |                            |
| 1966 | 130        |                            |            |         |                            |
| 1967 | 133        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 136        | 1978                       | 154        |         |                            |
| 1969 | 139        | 1979                       | 155        |         |                            |

**NOTES:** 1950-71—Based on the 1951, 1956, 1961, 1966 and 1971 censuses and assumed trends in fertility, mortality and migration.

1972-77—Based on official end-of-year populations as reported in Department of Statistics, 1979, table 4.

1978-79—Projected assuming a continuation of the 1976-77 growth rate.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source   |
|--------------------|-----------------------|---------------------|--|
| September 25, 1951 | 84,909                |                     | Enumerated populations for 1951 to 1966 as reported in <i>UNDY 1970</i> , table 5; and for 1971 and 1976 as reported in Department of Statistics, 1979, table 3. |
| September 25, 1956 | 97,327                |                     |  |
| September 25, 1961 | 114,427               |                     |  |
| November 21, 1966  | 131,377               |                     |  |
| November 3, 1971   | 146,627               |                     |  |
| November 3, 1976   | 151,983               |                     |  |

#### MAJOR SOURCES

Banister, Judith. 1979. "Census Questions on Fertility and Child Mortality: Problems with Questionnaire Design," *Asia and Pacific Census Forum*. East-West Center. Honolulu.

Department of Statistics. 1976. *Vital Statistics Sample Survey Report 1975*. Apia.

\_\_\_\_\_. 1977a. *Quarterly Statistical Bulletin*. 4th Quarter, Oct.-Dec. 1976. Apia.

\_\_\_\_\_. 1977b. *Quarterly Statistical Bulletin*. 3rd Quarter, July-Sept. 1977. Apia.

\_\_\_\_\_. 1977c. Personal communication.

\_\_\_\_\_. 1979. *Quarterly Statistical Bulletin*. 4th Quarter, Oct.-Dec. 1978. Apia.

## BENCHMARK DATA

|   |         |
|---|---------|
| 1. Enumerated population, census of February 7, 1976..... | 196,823 |
| 2. Adjusted population, census of February 7, 1976.....   | NA      |
| 3. Births per 1,000 population, 1970.....                 | 41      |
| 4. Deaths per 1,000 population, 1970.....                 | 11      |
| 5. Annual rate of growth, 1976-78 (percent).....          | 3.5     |
| 6. Life expectancy at birth.....                          | NA      |
| 7. Infant deaths per 1,000 live births, 1970.....         | 78      |

## PROJECTED ESTIMATES

|  |         |
|--|---------|
| 8. Population, July 1, 1979.....               | 222,000 |
| 9. Births per 1,000 population, 1978.....      | 43-45   |
| 10. Deaths per 1,000 population, 1978.....     | 8-10    |
| 11. Annual rate of growth, 1978 (percent)..... | 3.3-3.7 |

## NOTES:

1. Final census figure (Statistical Office, 1978, table 2.1).
2. The 1976 census has not been evaluated for possible coverage error.
3. Estimate reported in Western Pacific High Commission (no date, table II-A), based on an application of the Brass fertility technique to 1970 census data.
4. Estimate reported in Western Pacific High Commission (no date, p. 80), based on an application of the Brass mortality technique to 1970 census data and Coale-Demeny west region model life tables.
5. Based on official midyear population estimates for 1976 and 1978 as reported in South Pacific Commission, 1979.
6. Data not available. Using an infant mortality rate of 78 and Coale-Demeny west region model life tables, a life expectancy at birth of 58 years can be estimated for 1970 based on data reported in Western Pacific High Commission (no date, table VII-D).
7. Estimate reported in Western Pacific High Commission (no date, table VII-D), based on the application of the Brass mortality technique to 1970 census data.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends of increasing fertility and declining mortality as indicated by official population estimates for the 1970-78 period and the 1976 census, as well as reports of a recent "baby boom" (IPPF, 1977, pp. 29-30).
11. Range of variation given possible combinations of crude birth and death rates.

## SOLOMON ISLANDS

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 107        | 1970                       | 163        | 1950-55 | 1.4                        |
| 1955 | 114        | 1971                       | 168        | 1955-60 | 2.0                        |
| 1960 | 126        | 1972                       | 174        | 1960-65 | 2.5                        |
| 1961 | 130        | 1973                       | 180        | 1965-70 | 2.6                        |
| 1962 | 133        | 1974                       | 186        | 1970-75 | 3.4                        |
| 1963 | 136        | 1975                       | 193        | 1975-79 | 3.5                        |
| 1964 | 140        | 1976                       | 200        |         |                            |
| 1965 | 143        | 1977                       | 206        |         |                            |
| 1966 | 147        | 1978                       | 214        |         |                            |
| 1967 | 151        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 154        | 1979                       | 222        |         |                            |
| 1969 | 158        |                            |            |         |                            |

**NOTES:** 1950-63—Based on the 1931 census, 1959 survey, 1964 official midyear population estimate, and assumed trends in fertility and mortality.

1964-78—Official estimates as reported in South Pacific Commission, 1979.

1979—Projected assuming a continuation of the 1976-78 average annual growth rate.

The following censuses and survey were used in deriving the population time series:

| Census date               | Enumerated population | Adjusted population | Source  |
|---------------------------|-----------------------|---------------------|---|
| April 1, 1931             | 94,066                |                     | Enumerated populations for 1931 and 1970 as reported in <i>UNDY 1970</i> , table 7, and <i>UNDY 1973</i> , table 5, respectively; and for 1976 as reported in Statistical Office, 1977, table 1. Survey figure for 1959 as reported in <i>UNDY 1970</i> , table 7, based on results of a sample survey covering 100 percent of the population of Honiara and non-Melanesian population outside Honiara (total 9,074 persons), and a 27.7 percent sample of the Melanesian population outside Honiara. |
| November 9, 1959 (survey) | 124,076               |                     |   |
| February 7, 1970          | 160,998               |                     |   |
| February 7, 1976          | 196,823               |                     |   |

**MAJOR SOURCES**

Statistical Office. 1978. *Statistical Bulletin*, July. Honiara.

Western Pacific High Commission. British Solomon Islands Protectorate. no date. *Report on the Census of the Population, 1970*, by Ko Groenewegen.

South Pacific Commission. [1979.] *Statistical Bulletin on Population 1978*.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33.

International Planned Parenthood Federation (IPPF). 1977. *People*, vol. 4, no. 3. London.

## BENCHMARK DATA

|   |        |
|---|--------|
| 1. Enumerated population, census of December 1, 1976..... | 90,128 |
| 2. Adjusted population, census of December 1, 1976.....   | NA     |
| 3. Births per 1,000 population, 1966.....                 | 46     |
| 4. Deaths per 1,000 population, 1966.....                 | 14     |
| 5. Annual rate of growth, 1977-78 (percent).....          | 2.2    |
| 6. Life expectancy at birth.....                          | NA     |
| 7. Infant deaths per 1,000 live births.....               | NA     |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979 .....              | 96,000 |
| 9. Births per 1,000 population, 1978.....      | 30-35  |
| 10. Deaths per 1,000 population, 1978.....     | 8      |
| 11. Annual rate of growth, 1978 (percent)..... | 2.2    |

## NOTES:

1. Provisional census figure as reported by Government Statistician, 1978, table 1. Population is de jure.
2. The 1976 census has not been evaluated for possible coverage error.
- 3-4. Estimates based on the application of various techniques as reported in South Pacific Commission, 1979b, table 39.
5. Based on official midyear population estimates (South Pacific Commission, 1979a).
6. Data not available. A range for life expectancy at birth of 52 to 56 years for 1966 based on various indirect techniques is reported in South Pacific Commission, 1979b, p. 120.
7. Data not available. An infant mortality rate of 107 for 1966 was estimated based on life tables by sex prepared by Pirie and Groenewegen, 1973, Appendix I.
8. See notes for Midyear Population Estimates.
- 9-10. Based on the weighted average of the 1978 crude birth and death rates estimated at the U.S. Bureau of the Census for selected combinations of Polynesian islands.
11. Projected assuming a continuation of the 1977-78 growth rate. The difference between the growth rate and the crude birth and death rates implies a net emigration rate of 0 to 5 per 1,000 population.

### Midyear Population Estimates and Average Annual Period Growth Rates: 1950, 1955, and 1960 to 1979 (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 45.7       | 1970                       | 86.0       | 1950-55 | 3.5                        |
| 1955 | 54.5       | 1971                       | 87.0       | 1955-60 | 3.1                        |
| 1960 | 63.7       | 1972                       | 88.0       | 1960-65 | 3.0                        |
| 1961 | 65.7       | 1973                       | 89.0       | 1965-70 | 3.0                        |
| 1962 | 67.7       | 1974                       | 89.5       | 1970-75 | 0.9                        |
| 1963 | 69.8       | 1975                       | 89.8       | 1975-79 | 1.8                        |
| 1964 | 71.9       | 1976                       | 90.0       |         |                            |
| 1965 | 74.2       | 1977                       | 91.5       |         |                            |
| 1966 | 76.5       | 1978                       | 93.5       |         |                            |
| 1967 | 78.8       |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 81.2       | 1979                       | 95.5       |         |                            |
| 1969 | 84.0       |                            |            |         |                            |

**NOTES:** 1950-55—Based on the 1956 and 1966 censuses and assumed trends in growth rates.

1966-78—Based on the 1966 and 1976 censuses and official midyear estimates (South Pacific Commission, 1979a).

1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date        | Enumerated population | Adjusted population | Source   |
|--------------------|-----------------------|---------------------|--|
| September 26, 1956 | 56,838                |                     | The 1956 and 1966 enumerated populations as reported in <i>UNDY 1970</i> , table 7; the provisional 1976 figure as reported by Government Statistician, 1978, table 1. The 1976 population is de jure. |
| November 30, 1966  | 77,429                |                     |  |
| December 1, 1976   | 90,128                |                     |  |

#### MAJOR SOURCES

Government Statistician. 1978. *1976 Population Census of Tonga, Advance Release*. Suva.

Pirie, Peter and Ko Groenewegen. 1973. "The Demographic Situation in the Pacific Islands." Paper presented at the annual meeting of the Population Association of America. New Orleans.

Rosenthal, S. H. 1968. "Estimation of Fertility and Mortality Rates for Tonga, Based Upon 1956 Census Data." Paper presented at the School of Public Health, University of Hawaii, Honolulu.

South Pacific Commission. [1979a.] *Statistical Bulletin on Population 1978*.

\_\_\_\_\_. 1979b. *A Demographic Analysis of the Population of Tonga 1777-1975*, by M. L. Bakker. Noumea, New Caledonia.

## BENCHMARK DATA

|    |   |       |
|----|---|-------|
| 1. | Enumerated population, census of May 27-28, 1979..... | 7,336 |
| 2. | Adjusted population, census of May 27-28, 1979.....   | NA    |
| 3. | Births per 1,000 population.....                      | NA    |
| 4. | Deaths per 1,000 population.....                      | NA    |
| 5. | Annual rate of growth, 1973-79 (percent).....         | 4.0   |
| 6. | Life expectancy at birth.....                         | NA    |
| 7. | Infant deaths per 1,000 live births.....              | NA    |

## PROJECTED ESTIMATES

|     |  |       |
|-----|--|-------|
| 8.  | Population, July 1, 1979.....              | 7,400 |
| 9.  | Births per 1,000 population, 1978.....     | 40-42 |
| 10. | Deaths per 1,000 population, 1978.....     | 6     |
| 11. | Annual rate of growth, 1978 (percent)..... | 4.0   |

## NOTES:

1. Final census figure as reported in East-West Population Institute (1979).
2. The 1979 census has not been evaluated for possible coverage error.
- 3-4. Data not available.
5. Intercensal growth rate based on the 1973 and 1979 censuses.
- 6-7. Data not available.
8. See notes for Midyear Population Estimates.
9. Projected range of variation based on assumed trend of fertility which takes into consideration a 1968 estimated crude birth rate for Kiribati and Tuvalu (Pirie and Groenewegen, 1975).
10. Projected level of mortality, which takes into consideration a 1965-68 estimated crude death rate for Kiribati and Tuvalu (Pirie and Groenewegen, 1973).
11. Estimated based on the assumption that the 1973-79 intercensal growth rate applies to 1978.

\*Formerly a part of "Gilbert Islands and Tuvalu." Gilbert Islands (now Kiribati) became independent on July 12, 1979, and Tuvalu on October 1, 1978.

## TUVALU

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 4.7        | 1970                       | 5.8        | 1950-55 | 1.2                        |
| 1955 | 5.0        | 1971                       | 5.8        | 1955-60 | 1.2                        |
| 1960 | 5.3        | 1972                       | 5.9        | 1960-65 | 1.1                        |
| 1961 | 5.3        | 1973                       | 5.9        | 1965-70 | 0.9                        |
| 1962 | 5.4        | 1974                       | 6.0        | 1970-75 | 1.5                        |
| 1963 | 5.5        | 1975                       | 6.3        | 1975-79 | 4.0                        |
| 1964 | 5.5        | 1976                       | 6.5        |         |                            |
| 1965 | 5.6        | 1977                       | 6.8        |         |                            |
| 1966 | 5.6        | 1978                       | 7.1        |         |                            |
| 1967 | 5.7        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 5.8        | 1979                       | 7.4        |         |                            |
| 1969 | 5.8        |                            |            |         |                            |

**NOTES:** 1950-79—Based on the 1947, 1963, 1968, 1973 and 1979 censuses and the respective intercensal growth rates.

The following censuses were used in deriving the population time series:

| Census date      | Enumerated population | Adjusted population | Source  |
|------------------|-----------------------|---------------------|---|
| June 9, 1947     | 4,509                 |                     | Enumerated population for 1947 as reported in <i>UNDY 1955</i> , table 5; for 1963 and 1968 as reported in <i>UNDY 1971</i> , table 8; for 1973 as reported in South Pacific Commission, 1975, table 2; and for 1979 as reported in East-West Population Institute, 1979. |
| April 30, 1963   | 5,444                 |                     |   |
| December 6, 1968 | 5,782                 |                     |   |
| December 8, 1973 | 5,887                 |                     |   |
| May 27/28, 1979  | 7,336                 |                     |   |

**MAJOR SOURCES**

- East-West Population Institute. 1979. *Asian and Pacific Census Forum*. November. Honolulu.
- Pirie, Peter and Ko Groenewegen. 1973. "The Demographic Situation in the Pacific Islands." Paper presented at the annual meeting of the Population Association of America. New Orleans.
- South Pacific Commission. 1975. *Population 1974*. Statistical Bulletin of the South Pacific, no. 7. Noumea, New Caledonia.

## BENCHMARK DATA

|   |       |
|---|-------|
| 1. Enumerated population, census of March 26, 1976..... | 9,192 |
| 2. Adjusted population, census of March 26, 1976.....   | NA    |
| 3. Births per 1,000 population, 1970.....               | 43    |
| 4. Deaths per 1,000 population, 1970.....               | 11    |
| 5. Annual rate of growth, 1977-78 (percent).....        | 3.0   |
| 6. Life expectancy at birth.....                        | NA    |
| 7. Infant deaths per 1,000 live births.....             | NA    |

## PROJECTED ESTIMATES

|  |        |
|--|--------|
| 8. Population, July 1, 1979.....               | 10,300 |
| 9. Births per 1,000 population, 1978.....      | 39-41  |
| 10. Deaths per 1,000 population, 1978.....     | 10-11  |
| 11. Annual rate of growth, 1978 (percent)..... | 3.0    |

## NOTES:

1. Census figure as reported in France, 1976, p. 5.
2. The 1976 census has not been evaluated for possible coverage error.
- 3-4. Registered vital rates as reported in *PVSR October 1979*. Quality of registration is unknown.
5. Based on official midyear population estimates as reported in South Pacific Commission, 1979.
6. Data not available.
7. Data not available. Registered rate of 54 infant deaths per 1,000 live births for 1970 is reported in *PVSR October 1979*; quality of registration is unknown.
8. See notes for Midyear Population Estimates.
- 9-10. Projected range of variation based on assumed trends in fertility and mortality since 1970.
11. Projected assuming no significant change in the 1977-78 growth rate.

## WALLIS AND FUTUNA

**Midyear Population Estimates and Average Annual Period Growth Rates:  
1950, 1955, and 1960 to 1979** (Population in thousands, rate in percent)

| Year | Population | Year                       | Population | Period  | Average annual growth rate |
|------|------------|----------------------------|------------|---------|----------------------------|
| 1950 | 7.0        | 1970                       | 8.7        | 1950-55 | 1.2                        |
| 1955 | 7.4        | 1971                       | 8.5        | 1955-60 | 1.3                        |
| 1960 | 7.9        | 1972                       | 8.4        | 1960-65 | 1.0                        |
| 1961 | 8.0        | 1973                       | 8.5        | 1965-70 | 0.9                        |
| 1962 | 8.1        | 1974                       | 8.7        | 1970-75 | 0.2                        |
| 1963 | 8.2        | 1975                       | 8.8        | 1975-79 | 4.0                        |
| 1964 | 8.3        | 1976                       | 9.2        |         |                            |
| 1965 | 8.3        | 1977                       | 9.7        |         |                            |
| 1966 | 8.3        | 1978                       | 10.0       |         |                            |
| 1967 | 8.3        |                            |            |         |                            |
|      |            | <b>PROJECTED ESTIMATES</b> |            |         |                            |
| 1968 | 8.4        | 1979                       | 10.3       |         |                            |
| 1969 | 8.5        |                            |            |         |                            |

**NOTES:** 1950-63—Based on the 1964 official midyear population, and assumed growth rates which take into consideration estimates by the U.N. (1979, table 1.B).

1964-78—Official midyear population estimates as reported in South Pacific Commission, 1979.

1979—Projected assuming a continuation of the 1977-78 growth rate.

The following censuses were used in deriving the population time series:

| Census date    | Enumerated population | Adjusted population | Source   |
|----------------|-----------------------|---------------------|--|
| March, 1969    | 8,546                 |                     | Enumerated population for 1969 as reported in France, 1969, table 1, p. 9; and for 1976 as reported in France, 1976, p. 5. |
| March 26, 1976 | 9,192                 |                     |  |

### MAJOR SOURCES

France. INSEE. 1969. *Recensement de la population de Wallis et Futuna, mars 1969, principaux résultats*. Paris.

\_\_\_\_\_. 1976. *Résultats statistiques du recensement général de la population des Iles Wallis et Futuna*. Paris.

South Pacific Commission. [1979.] *Statistical Bulletin on Population 1978*.

United Nations. 1979. *World Population Trends and Prospects by Country, 1950-2000: Summary Report of the 1978 Assessment*. ST/ESA/SER.R/33. New York.