

# nchs MONTHLY VITAL STATISTICS REPORT

Final Data From the National Center for Health Statistics

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## Advance Report of Final Mortality Statistics, 1982

### Highlights

In 1982 a total of 1,974,797 deaths were registered in the United States, 3,184 fewer than in the previous year. The death rate for 1982 was 852.0 deaths per 100,000 population, down from the 1981 rate of 862.4. The 1982 death rate was a record low. The age-adjusted death rate fell to 553.8, the lowest age-adjusted rate ever reported in the United States. In 1982 life expectancy at birth continued its upward trend and reached a new high of 74.6 years, up from 74.2 years in 1981 and 73.7 in 1980. The data also show that males gained slightly more than females in the increase of life expectancy between 1981 and 1982. However, women still are expected to outlive men by an average of 7.3 years. While improvements were greater for the black population than for the white population, life expectancy at birth in 1982 was 5.8 years higher for the white population.

The first four of the 15 leading causes of death—Diseases of heart; Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (cancer); Cerebrovascular diseases (stroke); and Accidents and adverse effects—continued to account for almost three out of four deaths in the United States. The age-adjusted death rates for three of these four major causes declined between 1981 and 1982. The rate for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, increased. Two other leading causes also showed an increase in the age-adjusted death rates between 1981 and 1982—Suicide and Septicemia.

As in previous years, males experienced higher mortality than did females for each of the 15 leading causes of death. The greatest sex difference in mortality was for Homicide and legal intervention; the smallest, for Diabetes mellitus and Congenital anomalies. The black population had higher rates than the white population for most leading causes. The two exceptions to this general race differential included the age-adjusted rates for Chronic obstructive pulmonary diseases and allied conditions and Suicide, with rates of the black population being lower than those of the white population. The greatest race difference was for Homicide and legal intervention, for which

the age-adjusted rate was substantially higher for the black population than for the white population.

Infant mortality was at a new record low in 1982, but rates for the black population continued to be about twice those for the white population.

### Deaths and death rates

In 1982 there were 1,974,797 deaths recorded in the United States, 3,184 fewer than in 1981. The death rate decreased to a record low in 1982, falling to 852.0 deaths per 100,000 population compared with 862.4 in 1981. Provisional data indicate that the rate for 1983 was 858.9, somewhat higher than that for 1982, but lower than that for 1981.

The age-adjusted death rate decreased to 553.8 in 1982, down from 568.2 deaths per 100,000 population in 1981. The decrease in 1982 continues the long-term downward trend in mortality in the United States, bringing the age-adjusted rate to a record low (figure 1). Age-adjusted death rates show what the level of mortality would be if there were no changes in the age composition of the population from year to year. Therefore they are better indicators than unadjusted death rates in showing changes in the risk of death over a period of time when the

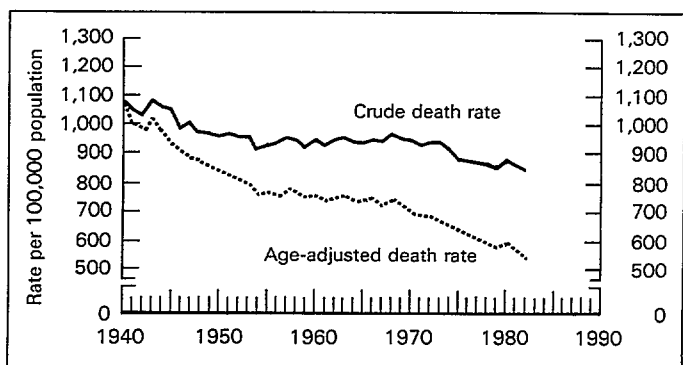


Figure 1. Crude and age-adjusted death rates: United States, 1940-82

distribution of the population by age is changing. They are also better indicators of risk when comparisons of mortality are being made for sex or race subgroups of the population that have different age compositions.

**Death rates by age, race, and sex**

Death rates for every age group of both sexes declined between 1981 and 1982 (figure 2). For males and females combined, the smallest decrease was for the age group 65–74 years (1 percent), while the largest declines occurred in the age groups 15–24 years and 35–44 years (6 percent each) (table A). For almost all age groups of both sexes the decline in death rates between 1981 and 1982 represents a continuation of the gen-

eral downward trend observed since 1950. Males 15–24 years of age have been the primary exception to this general decline in age-specific death rates. However, between 1980 and 1981, and again between 1981 and 1982, there was a substantial decline in death rates for this group.

Between 1981 and 1982 the age-adjusted death rate for males decreased 3 percent while that for females decreased 2 percent. However, as in 1981, the 1982 age-adjusted death rate for males was 1.8 times that for females. The age-adjusted death rate decreased 2 percent for the white population and 3 percent for the black population between 1981 and 1982. In 1982 the rate for the black population was 1.5 times that for the white population, the same as the ratio in 1981.

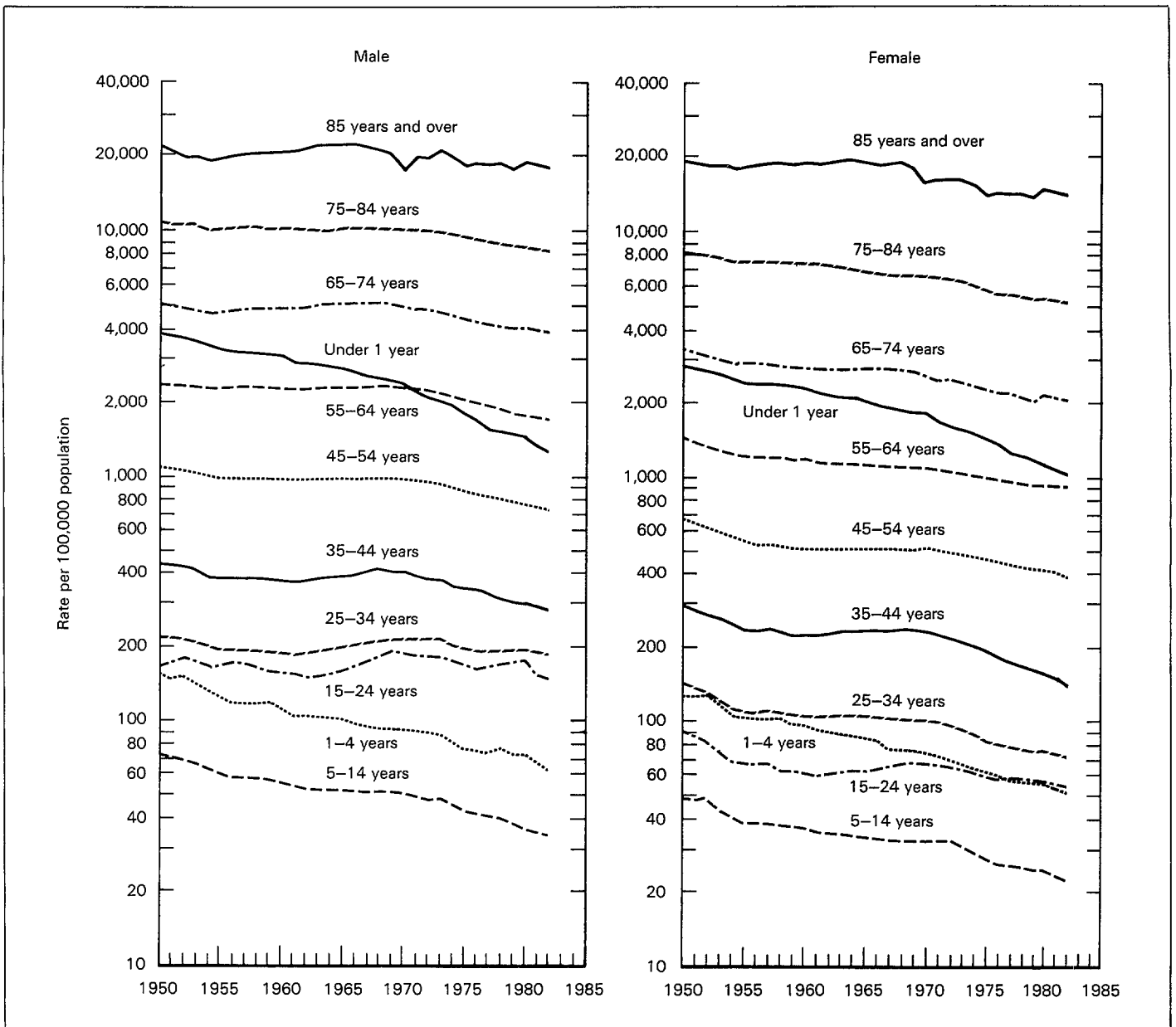


Figure 2. Death rates by age and sex: United States, 1950–82

**Table A. Percent change in death rates between 1981 and 1982 by age and sex: United States**

| Age                     | Total          | Male | Female |
|-------------------------|----------------|------|--------|
|                         | Percent change |      |        |
| All ages .....          | -1.2           | -1.7 | -0.6   |
| Under 1 year .....      | -3.6           | -3.0 | -4.3   |
| 1-4 years .....         | -4.3           | -5.9 | -2.3   |
| 5-14 years .....        | -3.7           | -4.5 | -2.2   |
| 15-24 years .....       | -5.7           | -5.8 | -5.8   |
| 25-34 years .....       | -5.2           | -5.3 | -5.3   |
| 35-44 years .....       | -6.3           | -6.6 | -5.7   |
| 45-54 years .....       | -4.2           | -4.2 | -4.2   |
| 55-64 years .....       | -1.8           | -2.2 | -1.2   |
| 65-74 years .....       | -1.3           | -1.6 | -0.8   |
| 75-84 years .....       | -1.6           | -1.5 | -1.5   |
| 85 years and over ..... | -2.2           | -2.0 | -2.2   |

**Expectation of life at birth and at specified ages**

The average expectation of life at birth reached a record high of 74.6 years in 1982, up 0.4 year from 1981 (figure 3). This increase continues the general upward trend in life expectancy in the United States that was interrupted in 1980.

The expectation of life at birth for 1982 represents the average number of years that a group of infants would live if they were to experience throughout life the age-specific death rates prevailing in 1982. In 1982 females could expect to live an average of 78.2 years compared with 70.9 years for males.

Between 1981 and 1982 life expectancy for males increased 0.5 year, slightly more than the gain for females, 0.3 year. The difference in life expectancy between the sexes, which was widening for many years, now appears to be decreasing. The difference was 7.3 years in 1982 and 7.5 years in 1981 and 1980 compared with 7.6 years in 1970 and 6.5 years in 1960.

Between 1981 and 1982 the black population showed an increase of 0.6 year in life expectancy, to 69.3 years, twice the increase of 0.3 year for the white population. Life expectancy for the white population was 75.1 years in 1982. In 1970 life expectancy for the white population was 71.7 years, while that for the black population was 64.1 years. The difference in life

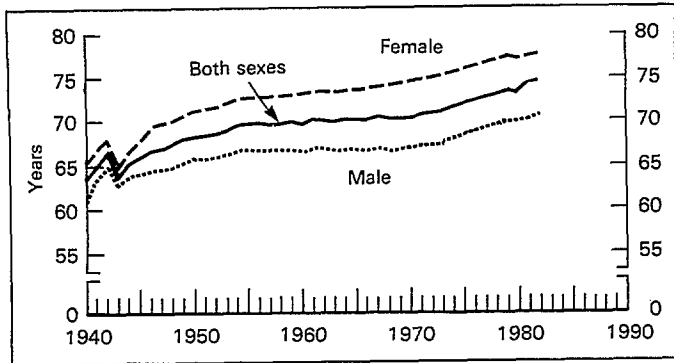


Figure 3. Life expectancy by sex: United States, 1940-82

expectancy between the white and black populations narrowed from 7.6 years in 1970 to 5.8 years in 1982.

Among the race-sex groups, white females continued to have the highest life expectancy at birth (78.8 years), followed by black females (73.5 years), white males (71.5 years), and black males (64.9 years). The largest gain in life expectancy between 1970 and 1982 was for black females (5.2 years), followed by black males (4.9 years), white males (3.5 years), and white females (3.2 years).

The 1982 life tables shown in this report may be used to compare life expectancies at ages older than 0 year. For example, a person who has attained the age of 65 years may look forward to living to an older age, on the average, than one who has attained the age of 50 years. The person aged 50 years could expect to live an average of 28.3 more years for a total of 78.3 years, while the person 65 years of age could expect to live an average of 16.8 more years for a total of 81.8 years.

**Leading causes of death**

Deaths assigned to the 15 leading causes of death accounted for 89 percent of the total number of deaths in 1982 (table B). (For ranking procedures, see Technical notes.) The leading causes of death in 1982 were the same as those in 1981, but the rank of some causes changed between the two years. Because of declining mortality, Chronic liver disease and cirrhosis and

**Table B. Death rates and percent of total deaths for the 15 leading causes of death: United States, 1982**

[Rates per 100,000 population]

| Rank <sup>1</sup> | Cause of death<br>(Ninth Revision International<br>Classification of Diseases, 1975)        | Rate  | Percent<br>of total<br>deaths |
|-------------------|---|-------|-------------------------------|
| ...               | All causes .....  | 852.0 | 100.0                         |
| 1                 | Diseases of heart .....   | 326.0 | 38.3                          |
| 2                 | Malignant neoplasms, including<br>neoplasms of lymphatic and<br>hematopoietic tissues ..... | 187.2 | 22.0                          |
| 3                 | Cerebrovascular diseases .....  | 68.0  | 8.0                           |
| 4                 | Accidents and adverse effects .....   | 40.6  | 4.8                           |
| ...               | Motor vehicle accidents .....   | 19.8  | ...                           |
| ...               | All other accidents and adverse<br>effects .....  | 20.8  | ...                           |
| 5                 | Chronic obstructive pulmonary diseases<br>and allied conditions .....                       | 25.8  | 3.0                           |
| 6                 | Pneumonia and influenza .....   | 21.1  | 2.5                           |
| 7                 | Diabetes mellitus .....   | 14.9  | 1.8                           |
| 8                 | Suicide .....   | 12.2  | 1.4                           |
| 9                 | Chronic liver disease and cirrhosis .....   | 11.9  | 1.4                           |
| 10                | Atherosclerosis .....   | 11.6  | 1.4                           |
| 11                | Homicide and legal intervention .....   | 9.6   | 1.1                           |
| 12                | Certain conditions originating in<br>the perinatal period .....                             | 9.0   | 1.1                           |
| 13                | Nephritis, nephrotic syndrome,<br>and nephrosis .....                                       | 7.8   | 0.9                           |
| 14                | Congenital anomalies .....  | 5.9   | 0.7                           |
| 15                | Septicemia .....  | 5.0   | 0.6                           |
| ...               | All other causes .....  | 95.4  | 11.2                          |

<sup>1</sup>Rank based on number of deaths; see Technical notes.

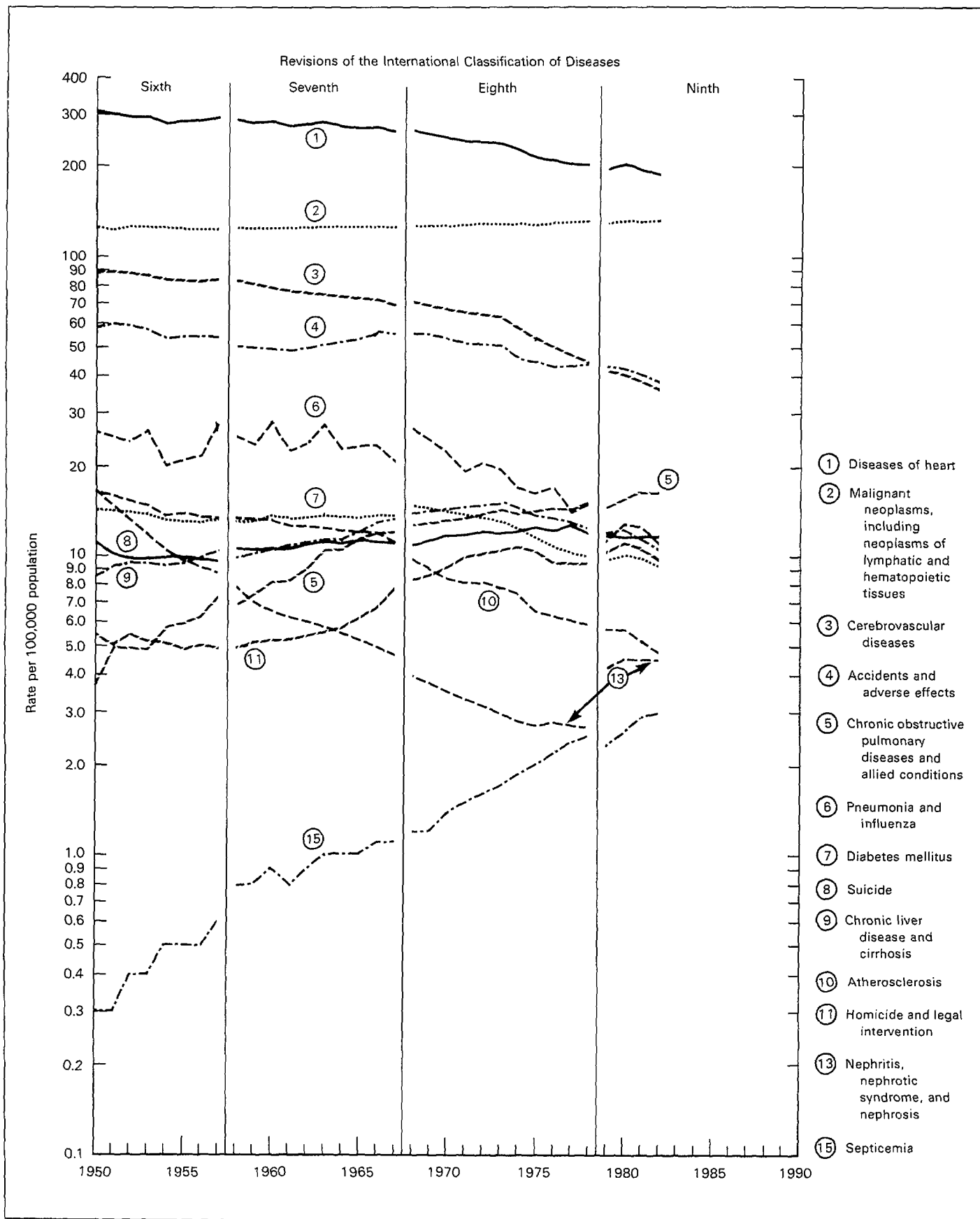


Figure 4. Age-adjusted death rates for 13 of the 15 leading causes of death: United States, 1950-82

Atherosclerosis dropped in rank from 7th and 8th, respectively, in 1981, to 9th and 10th in 1982. As a result, the ranking for Suicide shifted from 10th to 8th. Age-adjusted death rates are shown in figure 4 and table C for 13 of the 15 leading causes. Because deaths from the other two causes (Congenital anomalies and Certain conditions originating in the perinatal period) occur mainly among infants under 1 year, age-adjusted rates for these causes are not shown.

For 9 of these 13 leading causes of death the age-adjusted death rates decreased between 1981 and 1982. These causes were Diseases of heart, Cerebrovascular diseases, Accidents and adverse effects, Pneumonia and influenza, Diabetes mellitus, Chronic liver disease and cirrhosis, Atherosclerosis, Homicide and legal intervention, and Chronic obstructive pulmonary

**Table C. Age-adjusted death rates for 1982 and percent changes in age-adjusted death rates for the 15 leading causes of death from 1981 to 1982 and 1979 to 1982: United States**

[Rates per 100,000 population]

| Rank <sup>1</sup> | Cause of death (Ninth Revision International Classification of Diseases, 1975)        | Age-adjusted death rates for 1982 | Percent change from— |              |
|-------------------|---|-----------------------------------|----------------------|--------------|
|                   |   |                                   | 1981 to 1982         | 1979 to 1982 |
| ...               | All causes .....  | 553.8                             | -2.5                 | -4.0         |
| 1                 | Diseases of heart.....  | 190.5                             | -2.3                 | -4.5         |
| 2                 | Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues ..... | 132.5                             | +0.7                 | +1.3         |
| 3                 | Cerebrovascular diseases.....   | 35.8                              | -6.0                 | -13.9        |
| 4                 | Accidents and adverse effects .....   | 36.6                              | -8.0                 | -14.7        |
| ...               | Motor vehicle accidents .....   | 19.3                              | -11.5                | -16.8        |
| ...               | All other accidents and adverse effects .....   | 17.3                              | -3.9                 | -11.7        |
| 5                 | Chronic obstructive pulmonary diseases and allied conditions...                       | 16.2                              | -0.6                 | +11.0        |
| 6                 | Pneumonia and influenza .....   | 10.9                              | -11.4                | -2.7         |
| 7                 | Diabetes mellitus.....  | 9.6                               | -2.0                 | -2.0         |
| 8                 | Suicide.....  | 11.6                              | +0.9                 | -0.9         |
| 9                 | Chronic liver disease and cirrhosis .....   | 10.5                              | -7.9                 | -12.5        |
| 10                | Atherosclerosis .....   | 4.8                               | -7.7                 | -15.8        |
| 11                | Homicide and legal intervention .....   | 9.7                               | -6.7                 | -4.9         |
| 12                | Certain conditions originating in the perinatal period <sup>2</sup> .....             | ...                               | -5.2                 | -15.8        |
| 13                | Nephritis, nephrotic syndrome, and nephrosis .....                                    | 4.5                               | -                    | +4.7         |
| 14                | Congenital anomalies <sup>2</sup> .....   | ...                               | -0.2                 | -4.0         |
| 15                | Septicemia.....   | 3.0                               | +3.4                 | +30.4        |

<sup>1</sup>Rank based on number of deaths; see Technical notes.

<sup>2</sup>Inasmuch as deaths from these causes occur mainly among infants, percent changes are based on infant mortality rates instead of age-adjusted death rates.

diseases and allied conditions. Among these nine causes showing a decline in 1982, the largest decline was for Pneumonia and influenza (11 percent), followed by Accidents and adverse effects, Chronic liver disease and cirrhosis, and Atherosclerosis (8 percent each).

Increases in the age-adjusted death rates between 1981 and 1982 occurred for three causes—Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues; Suicide; and Septicemia. For Septicemia the increase of 3 percent continued the increase observed for the past three decades (figure 4). Increases for the other two causes were 1 percent. The age-adjusted death rate for Nephritis, nephrotic syndrome, and nephrosis was unchanged between 1981 and 1982.

Mortality levels for each of the 15 leading causes of death were higher for males than for females (table D). The largest differences were for violent and accidental causes of death. Specifically, the age-adjusted death rate due to Homicide and legal intervention was almost four times as high for males as for females. The rates for Suicide and for Accidents and adverse effects were about three times as high for males as for females. The smallest sex differences were for Diabetes mellitus and Congenital anomalies, with a male-to-female ratio of 1.1.

Mortality was higher for the black population than for the white population for 13 of the 15 leading causes. The largest differential was for Homicide and legal intervention, where the age-adjusted rate for the black population was nearly six times

**Table D. Ratio of age-adjusted death rates for the 15 leading causes of death, by sex and race: United States, 1982**

| Rank <sup>1</sup> | Cause of death (Ninth Revision International Classification of Diseases, 1975)       | Ratio of—      |                |
|-------------------|--|----------------|----------------|
|                   |  | Male to female | Black to white |
| ...               | All causes.....  | 1.78           | 1.46           |
| 1                 | Diseases of heart.....   | 1.99           | 1.27           |
| 2                 | Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues..... | 1.50           | 1.33           |
| 3                 | Cerebrovascular diseases .....   | 1.18           | 1.82           |
| 4                 | Accidents and adverse effects .....  | 2.92           | 1.17           |
| ...               | Motor vehicle accidents .....  | 2.84           | 0.83           |
| ...               | All other accidents and adverse effects .....  | 3.01           | 1.58           |
| 5                 | Chronic obstructive pulmonary diseases and allied conditions.....                    | 2.60           | 0.77           |
| 6                 | Pneumonia and influenza .....  | 1.90           | 1.51           |
| 7                 | Diabetes mellitus.....   | 1.05           | 2.10           |
| 8                 | Suicide.....   | 3.38           | 0.50           |
| 9                 | Chronic liver disease and cirrhosis .....  | 2.22           | 1.68           |
| 10                | Atherosclerosis .....  | 1.35           | 1.04           |
| 11                | Homicide and legal intervention .....  | 3.64           | 5.60           |
| 12                | Certain conditions originating in the perinatal period <sup>2</sup> .....            | 1.27           | 2.28           |
| 13                | Nephritis, nephrotic syndrome, and nephrosis .....                                   | 1.56           | 2.87           |
| 14                | Congenital anomalies <sup>2</sup> .....  | 1.11           | 1.07           |
| 15                | Septicemia.....  | 1.38           | 2.73           |

<sup>1</sup>Rank based on number of deaths; see Technical notes.

<sup>2</sup>Inasmuch as deaths from these causes occur mainly among infants, ratios are based on infant mortality rates instead of age-adjusted death rates.

that of the white population. Other causes for which the differential was large include Nephritis, nephrotic syndrome, and nephrosis, and Septicemia, with black-to-white ratios of 2.9 and 2.7, respectively. Age-adjusted rates for the black population were lower than those for the white population for two causes—Chronic obstructive pulmonary diseases and allied conditions and Suicide.

**Infant mortality**

In 1982 there were 42,401 deaths of infants under 1 year of age. The infant mortality rate of 11.5 infant deaths per 1,000 live births was the lowest rate ever recorded for the United States. The rate declined 3 percent from the level of 11.9 in 1981. Among white infants, the mortality rate (per 1,000 live births) decreased 4 percent, from 10.5 in 1981 to 10.1 in 1982, while for black infants the rate decreased 2 percent, from 20.0 in 1981 to 19.6 in 1982. The infant mortality rate for black infants was almost twice that for white infants in 1982, as it was 20 years earlier (figure 5).

The leading cause of infant mortality was Congenital anom-

alies, with an infant mortality rate of 245.2 deaths per 100,000 live births. Rates for the next three leading causes were substantially lower—Sudden infant death syndrome (143.4), Respiratory distress syndrome (109.7), and Disorders related to short gestation and unspecified low birthweight (98.3). These four causes accounted for just over half of all deaths to infants under 1 year of age in 1982. Among the 10 leading causes of infant death, those ranking 5th through 10th accounted for 16 percent of all infant deaths.

The difference between infant mortality rates for black and white infants varied by cause, although the risk was higher for black infants than for white infants for all leading causes except Congenital anomalies. Expressed as the ratio of the infant mortality rate for black infants to that for white infants, the relative differences in the leading causes may be ranked, beginning with the highest ratio, as follows: Disorders relating to short gestation and unspecified low birthweight (3.3); Pneumonia and influenza (2.9); Newborn affected by maternal complications of pregnancy (2.1); Sudden infant death syndrome (2.0); Infections specific to the perinatal period (2.0); Accidents and adverse effects (2.0); Intrauterine hypoxia and birth asphyxia (1.9); Respiratory distress syndrome (1.7); Newborn affected by complications of placenta, cord, and membranes (1.4); and Congenital anomalies (1.0).

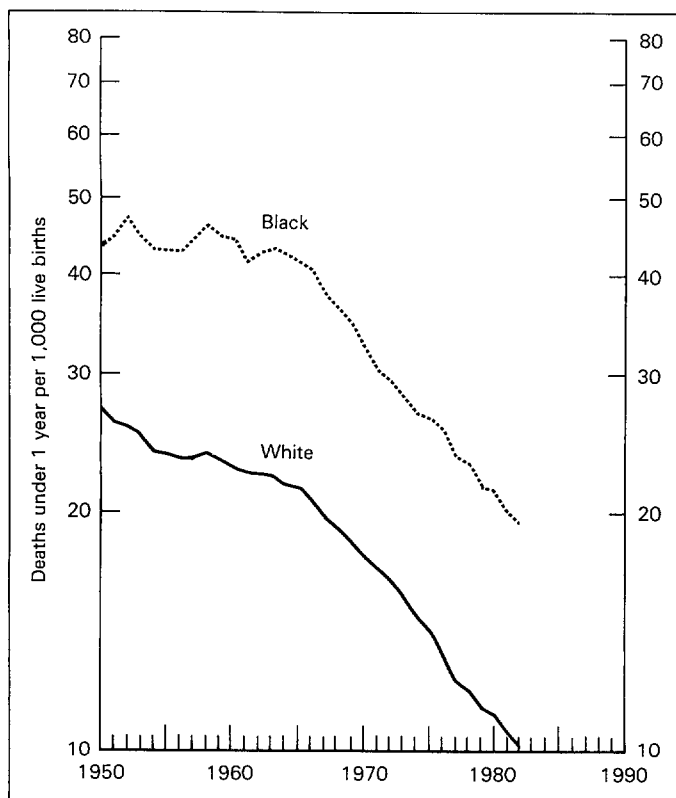
**Maternal mortality**

In 1982, 292 women died of maternal causes (table E). As in previous years, this number does not include all deaths occurring to pregnant women, but only deaths assigned to Complications of pregnancy, childbirth, and the puerperium (ICD-9 Nos. 630-676). The maternal mortality rate was 7 percent lower in 1982 (7.9 deaths per 100,000 live births) than in 1981 (8.5). Black women were three times as likely as white women to die of causes associated with pregnancy, childbirth, and the puerperium.

**Table E. Maternal deaths and maternal mortality rates by race: United States, 1982**

[Maternal deaths are those assigned to Complications of pregnancy, childbirth, and the puerperium, category numbers 630-676 of the *Ninth Revision International Classification of Diseases, 1975*. Rates per 100,000 live births in specified group]

| Race      | Number | Rate |
|-----------|--------|------|
| All races | 292    | 7.9  |
| White     | 171    | 5.8  |
| All other | 121    | 16.4 |
| Black     | 108    | 18.2 |



**Figure 5. Infant mortality rates by race: United States, 1950-82**

## References

- <sup>1</sup>World Health Organization: *Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death* based on the recommendations of the Ninth Revision Conference, 1975. Geneva. World Health Organization, 1977.
- <sup>2</sup>National Center for Health Statistics, A. J. Klebba and J. H. Scott: Estimates of selected comparability ratios based on dual coding of 1976 death certificates by the Eighth and Ninth Revisions of the International Classification of Diseases. *Monthly Vital Statistics Report*. Vol. 28, No. 11 Supp. DHEW Pub. No. (PHS) 80-1120. Public Health Service. Hyattsville, Md., Feb. 29, 1980.
- <sup>3</sup>National Center for Health Statistics, A. J. Klebba and A. B. Dolman: Comparability of mortality statistics for the Seventh and Eighth Revisions of the International Classification of Diseases, United States. *Vital and Health Statistics*. Series 2, No. 66. DHEW Pub. No. (HRA) 76-1340. Health Resources Administration. Washington. U.S. Government Printing Office, Oct. 1975.
- <sup>4</sup>National Center for Health Statistics, Comparability of mortality statistics for the Sixth and Seventh Revisions, United States, 1958. *Vital Statistics—Special Reports*. Vol. 51, No. 4. Public Health Service. Washington. U.S. Government Printing Office, Mar. 1965.
- <sup>5</sup>National Center for Health Statistics: Vital statistics, instructions for classifying the underlying cause of death, annually. *NCHS Instruction Manual*, Part 2a. Public Health Service. Rockville, Md.
- <sup>6</sup>U.S. Bureau of the Census: Estimates of the population of the United States, by age, race, and sex: 1980 to 1982. *Current Population Reports*. Series P-25, No. 949. Washington. U.S. Government Printing Office, May 1984.
- <sup>7</sup>U.S. Bureau of the Census: Estimates of the population of States, by age: July 1, 1981, to 1983. *Current Population Reports*. Series P-25, No. 951, Washington. U.S. Government Printing Office, May 1984.
- <sup>8</sup>U.S. Bureau of the Census: Preliminary estimates of the population of the United States, by age, sex, and race, 1970 to 1981. *Current Population Reports*. Series P-25, No. 917. Washington. U.S. Government Printing Office, July 1982.

**Table 1. Deaths, death rates, age-adjusted death rates, and life expectancy at birth, by race and sex: United States, 1940, 1950, 1960, and 1970-82**

(Rates per 100,000 population in specified group. Rates and life expectancy at birth are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning with 1970 excludes deaths of nonresidents of the United States)

| Year                                 | All races  |           |         | White      |         |         | Total      |         |         | All other  |         |         |
|--------------------------------------|------------|-----------|---------|------------|---------|---------|------------|---------|---------|------------|---------|---------|
|                                      | Both sexes | Male      | Female  | Both sexes | Male    | Female  | Both sexes | Male    | Female  | Both sexes | Male    | Female  |
|                                      |            |           |         |            |         |         |            |         |         |            |         |         |
| Number                               |            |           |         |            |         |         |            |         |         |            |         |         |
| 1982                                 | 1,974,797  | 1,056,440 | 918,357 | 1,729,085  | 919,239 | 809,846 | 245,712    | 137,201 | 108,511 | 226,513    | 125,610 | 100,903 |
| 1981                                 | 1,977,981  | 1,063,772 | 914,209 | 1,731,233  | 925,490 | 805,743 | 246,748    | 138,282 | 108,466 | 228,560    | 127,296 | 101,264 |
| 1980                                 | 1,989,841  | 1,075,078 | 914,763 | 1,738,607  | 933,878 | 804,729 | 251,234    | 141,200 | 110,034 | 233,135    | 130,138 | 102,997 |
| 1979                                 | 1,913,841  | 1,044,959 | 868,882 | 1,676,145  | 910,137 | 766,008 | 237,696    | 134,822 | 102,874 | 220,818    | 124,433 | 96,385  |
| 1978                                 | 1,927,788  | 1,055,290 | 872,498 | 1,689,722  | 920,123 | 769,599 | 238,066    | 135,167 | 102,899 | 221,340    | 124,663 | 96,677  |
| 1977                                 | 1,899,597  | 1,046,243 | 853,354 | 1,664,100  | 912,670 | 751,430 | 235,497    | 133,573 | 101,924 | 220,076    | 123,894 | 96,182  |
| 1976                                 | 1,909,440  | 1,051,983 | 857,457 | 1,674,989  | 918,589 | 756,400 | 234,451    | 133,394 | 101,057 | 219,442    | 123,977 | 95,465  |
| 1975                                 | 1,892,879  | 1,050,819 | 842,060 | 1,660,366  | 917,804 | 742,562 | 232,513    | 133,015 | 99,498  | 217,932    | 123,770 | 94,162  |
| 1974                                 | 1,934,388  | 1,071,627 | 862,761 | 1,697,295  | 936,640 | 760,655 | 237,093    | 134,987 | 102,106 | 222,948    | 126,036 | 96,912  |
| 1973                                 | 1,973,003  | 1,096,795 | 876,208 | 1,728,405  | 957,918 | 770,487 | 244,598    | 138,877 | 105,721 | 230,110    | 129,647 | 100,463 |
| 1972 <sup>1</sup>                    | 1,963,944  | 1,096,198 | 867,746 | 1,721,468  | 957,518 | 763,950 | 242,476    | 138,680 | 103,796 | 228,450    | 129,740 | 98,710  |
| 1971                                 | 1,927,542  | 1,077,332 | 850,210 | 1,689,771  | 942,337 | 747,434 | 237,771    | 134,995 | 102,776 | 224,138    | 126,362 | 97,776  |
| 1970                                 | 1,921,031  | 1,078,478 | 842,553 | 1,682,096  | 942,437 | 739,659 | 238,935    | 136,041 | 102,894 | 225,647    | 127,540 | 98,107  |
| 1960                                 | 1,711,982  | 975,648   | 736,334 | 1,505,335  | 860,857 | 644,478 | 206,647    | 114,791 | 91,856  | 196,010    | 107,701 | 88,309  |
| 1950                                 | 1,452,454  | 827,749   | 624,705 | 1,276,085  | 731,366 | 544,719 | 176,369    | 96,383  | 79,986  | 169,606    | 92,004  | 77,602  |
| 1940                                 | 1,417,269  | 791,003   | 626,266 | 1,231,223  | 690,901 | 540,322 | 186,046    | 100,102 | 85,944  | 178,743    | 95,517  | 83,226  |
| Death rate                           |            |           |         |            |         |         |            |         |         |            |         |         |
| 1982                                 | 852.0      | 938.0     | 770.7   | 872.9      | 951.8   | 797.9   | 728.9      | 854.8   | 614.5   | 819.2      | 960.4   | 692.4   |
| 1981                                 | 862.4      | 954.5     | 775.4   | 880.3      | 965.1   | 799.6   | 755.0      | 889.4   | 633.0   | 841.7      | 991.6   | 707.3   |
| 1980                                 | 878.3      | 976.9     | 785.3   | 892.5      | 983.3   | 806.1   | 791.7      | 936.5   | 660.6   | 875.4      | 1,034.1 | 733.3   |
| 1979                                 | 852.2      | 957.5     | 752.7   | 865.2      | 963.3   | 771.8   | 771.0      | 920.3   | 635.7   | 839.3      | 999.6   | 695.3   |
| 1978                                 | 868.0      | 977.5     | 764.5   | 880.2      | 982.7   | 782.7   | 790.0      | 943.2   | 651.0   | 855.1      | 1,016.8 | 709.5   |
| 1977                                 | 864.4      | 978.9     | 756.0   | 874.6      | 983.0   | 771.3   | 793.6      | 951.7   | 659.6   | 864.0      | 1,026.0 | 718.0   |
| 1976                                 | 877.6      | 993.8     | 767.6   | 887.7      | 997.3   | 783.1   | 812.1      | 969.8   | 668.6   | 875.0      | 1,041.6 | 724.5   |
| 1975                                 | 878.5      | 1,002.0   | 761.4   | 886.9      | 1,004.1 | 775.1   | 823.1      | 987.6   | 673.1   | 882.5      | 1,055.4 | 726.1   |
| 1974                                 | 906.7      | 1,031.5   | 788.3   | 913.8      | 1,032.4 | 800.5   | 859.1      | 1,025.1 | 707.6   | 916.5      | 1,090.0 | 759.4   |
| 1973                                 | 933.5      | 1,065.2   | 808.3   | 937.7      | 1,063.8 | 817.3   | 904.5      | 1,075.3 | 748.4   | 960.6      | 1,137.7 | 800.0   |
| 1972 <sup>1</sup>                    | 938.4      | 1,074.9   | 808.7   | 941.7      | 1,072.0 | 817.3   | 915.5      | 1,095.2 | 750.9   | 969.2      | 1,155.9 | 799.4   |
| 1971                                 | 932.0      | 1,069.4   | 801.4   | 933.9      | 1,066.5 | 807.4   | 913.4      | 1,090.5 | 760.7   | 968.5      | 1,146.8 | 806.4   |
| 1970                                 | 945.3      | 1,090.3   | 807.8   | 946.3      | 1,086.7 | 812.6   | 933.4      | 1,115.9 | 775.3   | 999.3      | 1,186.6 | 829.2   |
| 1960                                 | 954.7      | 1,104.5   | 809.2   | 947.8      | 1,098.5 | 800.9   | 1,003.5    | 1,152.0 | 872.6   | 1,038.6    | 1,181.7 | 905.0   |
| 1950                                 | 963.8      | 1,106.1   | 823.5   | 945.7      | 1,089.5 | 803.3   | 1,119.4    | 1,251.1 | 993.5   | ---        | ---     | ---     |
| 1940                                 | 1,076.4    | 1,197.4   | 954.6   | 1,041.5    | 1,162.2 | 919.4   | 1,382.8    | 1,513.7 | 1,256.2 | ---        | ---     | ---     |
| Age-adjusted death rate <sup>2</sup> |            |           |         |            |         |         |            |         |         |            |         |         |
| 1982                                 | 553.8      | 733.1     | 411.2   | 531.8      | 706.0   | 393.3   | 704.6      | 928.4   | 529.3   | 778.7      | 1,035.0 | 581.4   |
| 1981                                 | 568.2      | 753.3     | 420.4   | 544.6      | 724.4   | 401.4   | 732.6      | 964.3   | 549.4   | 803.9      | 1,067.7 | 599.1   |
| 1980                                 | 585.8      | 777.2     | 432.6   | 559.4      | 745.3   | 411.1   | 774.2      | 1,015.1 | 582.6   | 842.5      | 1,112.8 | 631.1   |
| 1979                                 | 577.0      | 768.6     | 423.1   | 551.9      | 738.4   | 402.5   | 757.1      | 994.8   | 566.9   | 812.1      | 1,073.3 | 605.0   |
| 1978                                 | 595.0      | 791.4     | 437.4   | 569.5      | 761.1   | 416.4   | 780.0      | 1,021.0 | 585.8   | 831.8      | 1,093.9 | 622.7   |
| 1977                                 | 602.1      | 801.3     | 441.8   | 575.7      | 770.6   | 419.6   | 796.7      | 1,036.1 | 601.8   | 849.3      | 1,112.1 | 639.6   |
| 1976                                 | 618.5      | 820.9     | 455.0   | 591.3      | 789.3   | 432.5   | 818.5      | 1,063.4 | 618.3   | 870.5      | 1,138.3 | 654.5   |
| 1975                                 | 630.4      | 837.2     | 462.5   | 602.2      | 804.3   | 439.0   | 840.6      | 1,090.1 | 634.5   | 890.8      | 1,163.0 | 670.6   |
| 1974                                 | 659.5      | 870.9     | 487.0   | 629.0      | 836.1   | 461.0   | 889.6      | 1,142.4 | 680.5   | 940.4      | 1,215.5 | 717.1   |
| 1973                                 | 687.3      | 905.9     | 508.1   | 654.0      | 868.5   | 479.3   | 942.2      | 1,199.5 | 728.1   | 993.1      | 1,272.1 | 764.9   |
| 1972 <sup>1</sup>                    | 698.0      | 918.0     | 516.6   | 664.0      | 879.3   | 487.6   | 958.6      | 1,223.1 | 737.1   | 1,009.5    | 1,296.6 | 772.8   |
| 1971                                 | 697.6      | 913.3     | 519.1   | 663.7      | 876.0   | 489.1   | 959.5      | 1,206.7 | 749.7   | 1,007.8    | 1,276.1 | 784.6   |
| 1970                                 | 714.3      | 931.6     | 532.5   | 679.6      | 893.4   | 501.7   | 983.4      | 1,231.4 | 770.8   | 1,044.0    | 1,318.6 | 814.4   |
| 1960                                 | 760.9      | 949.3     | 590.6   | 727.0      | 917.7   | 555.0   | 1,046.1    | 1,211.0 | 893.3   | 1,073.3    | 1,246.1 | 916.9   |
| 1950                                 | 841.5      | 1,001.6   | 688.4   | 800.4      | 963.1   | 645.0   | 1,225.7    | 1,358.5 | 1,095.7 | ---        | ---     | ---     |
| 1940                                 | 1,076.1    | 1,213.0   | 938.9   | 1,017.2    | 1,155.1 | 879.0   | 1,634.7    | 1,764.4 | 1,504.7 | ---        | ---     | ---     |

See footnotes at end of table.



**Table 1. Deaths, death rates, age-adjusted death rates, and life expectancy at birth, by race and sex: United States, 1940, 1950, 1960, and 1970-82—Con.**

[Rates per 100,000 population in specified group. Rates and life expectancy at birth are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning with 1970 excludes deaths of nonresidents of the United States]

| Year                  | All races                                  |      |        | White      |      |        | All other  |      |        |            |      |        |
|-----------------------|--|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
|                       |  |      |        |            |      |        | Total      |      |        | Black      |      |        |
|                       | Both sexes                                 | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
|                       | Life expectancy at birth (e <sub>0</sub> ) |      |        |            |      |        |            |      |        |            |      |        |
| 1982 ....             | 74.6                                       | 70.9 | 78.2   | 75.1       | 71.5 | 78.8   | 71.0       | 66.8 | 75.0   | 69.3       | 64.9 | 73.5   |
| 1981 ....             | 74.2                                       | 70.4 | 77.9   | 74.8       | 71.1 | 78.5   | 70.3       | 66.1 | 74.5   | 68.7       | 64.4 | 73.0   |
| 1980 ....             | 73.7                                       | 70.0 | 77.5   | 74.4       | 70.7 | 78.1   | 69.5       | 65.3 | 73.6   | 68.0       | 63.7 | 72.3   |
| 1979 ....             | 73.9                                       | 70.0 | 77.8   | 74.6       | 70.8 | 78.4   | 69.8       | 65.4 | 74.1   | 68.5       | 64.0 | 72.9   |
| 1978 .....            | 73.5                                       | 69.6 | 77.3   | 74.1       | 70.4 | 78.0   | 69.3       | 65.0 | 73.5   | 68.1       | 63.7 | 72.4   |
| 1977 ....             | 73.3                                       | 69.5 | 77.2   | 74.0       | 70.2 | 77.9   | 68.9       | 64.7 | 73.2   | 67.7       | 63.4 | 72.0   |
| 1976 ....             | 72.9                                       | 69.1 | 76.8   | 73.6       | 69.9 | 77.5   | 68.4       | 64.2 | 72.7   | 67.2       | 62.9 | 71.6   |
| 1975 ....             | 72.6                                       | 68.8 | 76.6   | 73.4       | 69.5 | 77.3   | 68.0       | 63.7 | 72.4   | 66.8       | 62.4 | 71.3   |
| 1974 ....             | 72.0                                       | 68.2 | 75.9   | 72.8       | 69.0 | 76.7   | 67.1       | 62.9 | 71.3   | 66.0       | 61.7 | 70.3   |
| 1973 ....             | 71.4                                       | 67.6 | 75.3   | 72.2       | 68.5 | 76.1   | 66.1       | 62.0 | 70.3   | 65.0       | 60.9 | 69.3   |
| 1972 <sup>1</sup> ... | 71.2                                       | 67.4 | 75.1   | 72.0       | 68.3 | 75.9   | 65.7       | 61.5 | 70.1   | 64.7       | 60.4 | 69.1   |
| 1971 ....             | 71.1                                       | 67.4 | 75.0   | 72.0       | 68.3 | 75.8   | 65.6       | 61.6 | 69.8   | 64.6       | 60.5 | 68.9   |
| 1970 ....             | 70.8                                       | 67.1 | 74.7   | 71.7       | 68.0 | 75.6   | 65.3       | 61.3 | 69.4   | 64.1       | 60.0 | 68.3   |
| 1960 ....             | 69.7                                       | 66.6 | 73.1   | 70.6       | 67.4 | 74.1   | 63.6       | 61.1 | 66.3   | ---        | ---  | ---    |
| 1950 ....             | 68.2                                       | 65.6 | 71.1   | 69.1       | 66.5 | 72.2   | 60.8       | 59.1 | 62.9   | ---        | ---  | ---    |
| 1940 ....             | 62.9                                       | 60.8 | 65.2   | 64.2       | 62.1 | 66.6   | 53.1       | 51.5 | 54.9   | ---        | ---  | ---    |

<sup>1</sup>Deaths based on a 50-percent sample.

<sup>2</sup>For method of computation, see Technical notes.

**Table 2. Deaths and death rates by age, race, and sex: United States, 1982**

[Rates per 100,000 population in specified group]

| Age                         | All races  |           |          |            |          |          | All other  |          |          |            |          |          |
|-----------------------------|------------|-----------|----------|------------|----------|----------|------------|----------|----------|------------|----------|----------|
|                             | All races  |           |          | White      |          |          | Total      |          |          | Black      |          |          |
|                             | Both sexes | Male      | Female   | Both sexes | Male     | Female   | Both sexes | Male     | Female   | Both sexes | Male     | Female   |
|                             | Number     |           |          |            |          |          |            |          |          |            |          |          |
| All ages.....               | 1,974,797  | 1,056,440 | 918,357  | 1,729,085  | 919,239  | 809,846  | 245,712    | 137,201  | 108,511  | 226,513    | 125,610  | 100,903  |
| Under 1 year.....           | 42,401     | 24,073    | 18,328   | 29,659     | 16,965   | 12,694   | 12,742     | 7,108    | 5,634    | 11,642     | 6,485    | 5,157    |
| 1-4 years.....              | 7,910      | 4,448     | 3,462    | 5,895      | 3,337    | 2,558    | 2,015      | 1,111    | 904      | 1,787      | 990      | 797      |
| 5-9 years.....              | 4,514      | 2,686     | 1,828    | 3,443      | 2,060    | 1,383    | 1,071      | 626      | 445      | 956        | 557      | 399      |
| 10-14 years.....            | 5,111      | 3,237     | 1,874    | 4,085      | 2,591    | 1,494    | 1,026      | 646      | 380      | 910        | 573      | 337      |
| 15-19 years.....            | 17,041     | 12,524    | 4,517    | 14,138     | 10,429   | 3,709    | 2,903      | 2,095    | 808      | 2,478      | 1,782    | 696      |
| 20-24 years.....            | 24,930     | 18,852    | 6,078    | 19,922     | 15,183   | 4,739    | 5,008      | 3,669    | 1,339    | 4,424      | 3,251    | 1,173    |
| 25-29 years.....            | 24,589     | 18,052    | 6,537    | 18,668     | 13,851   | 4,817    | 5,921      | 4,201    | 1,720    | 5,372      | 3,821    | 1,551    |
| 30-34 years.....            | 24,721     | 17,310    | 7,411    | 18,209     | 12,809   | 5,400    | 6,512      | 4,501    | 2,011    | 5,934      | 4,116    | 1,818    |
| 35-39 years.....            | 26,333     | 17,366    | 8,967    | 19,967     | 13,204   | 6,763    | 6,366      | 4,162    | 2,204    | 5,822      | 3,826    | 1,996    |
| 40-44 years.....            | 31,972     | 20,289    | 11,683   | 24,529     | 15,626   | 8,903    | 7,443      | 4,663    | 2,780    | 6,838      | 4,291    | 2,547    |
| 45-49 years.....            | 46,412     | 29,342    | 17,070   | 36,257     | 23,059   | 13,198   | 10,155     | 6,283    | 3,872    | 9,320      | 5,784    | 3,536    |
| 50-54 years.....            | 76,677     | 48,665    | 28,012   | 62,428     | 40,051   | 22,377   | 14,249     | 8,614    | 5,635    | 13,211     | 8,007    | 5,204    |
| 55-59 years.....            | 119,833    | 75,332    | 44,501   | 100,325    | 63,681   | 36,644   | 19,508     | 11,651   | 7,857    | 18,256     | 10,941   | 7,315    |
| 60-64 years.....            | 167,181    | 103,990   | 63,191   | 143,338    | 89,933   | 53,405   | 23,843     | 14,057   | 9,786    | 22,308     | 13,082   | 9,226    |
| 65-69 years.....            | 213,426    | 129,819   | 83,607   | 186,977    | 114,655  | 72,322   | 26,449     | 15,164   | 11,285   | 24,681     | 14,088   | 10,593   |
| 70-74 years.....            | 252,394    | 145,539   | 106,855  | 223,610    | 129,707  | 93,903   | 28,784     | 15,832   | 12,952   | 26,844     | 14,590   | 12,254   |
| 75-79 years.....            | 268,121    | 141,221   | 126,900  | 242,120    | 127,905  | 114,215  | 26,001     | 13,316   | 12,685   | 23,978     | 11,973   | 12,005   |
| 80-84 years.....            | 253,838    | 114,716   | 139,122  | 232,390    | 104,832  | 127,558  | 21,448     | 9,884    | 11,564   | 19,710     | 8,881    | 10,829   |
| 85 years and over.....      | 366,727    | 128,564   | 238,163  | 342,651    | 119,069  | 223,582  | 24,076     | 9,495    | 14,581   | 21,875     | 8,466    | 13,409   |
| Not stated.....             | 666        | 415       | 251      | 474        | 292      | 182      | 192        | 123      | 69       | 167        | 106      | 61       |
|                             | Rate       |           |          |            |          |          |            |          |          |            |          |          |
| All ages <sup>1</sup> ..... | 852.0      | 938.0     | 770.7    | 872.9      | 951.8    | 797.9    | 728.9      | 854.8    | 614.5    | 819.2      | 960.4    | 692.4    |
| Under 1 year.....           | 1,164.2    | 1,291.5   | 1,030.8  | 1,018.5    | 1,135.5  | 895.2    | 1,745.5    | 1,921.1  | 1,560.7  | 1,963.2    | 2,168.9  | 1,760.1  |
| 1-4 years.....              | 57.6       | 63.3      | 51.6     | 52.8       | 58.2     | 47.0     | 78.4       | 85.7     | 71.0     | 84.9       | 93.4     | 76.4     |
| 5-9 years.....              | 28.3       | 32.9      | 23.4     | 26.4       | 30.8     | 21.8     | 36.6       | 42.3     | 30.7     | 39.8       | 46.0     | 33.5     |
| 10-14 years.....            | 28.3       | 35.1      | 21.3     | 27.5       | 34.0     | 20.6     | 32.3       | 40.2     | 24.1     | 34.3       | 43.0     | 25.6     |
| 15-19 years.....            | 86.0       | 124.1     | 46.5     | 86.3       | 124.7    | 46.3     | 84.5       | 121.0    | 47.5     | 85.2       | 122.1    | 48.0     |
| 20-24 years.....            | 114.6      | 172.5     | 56.1     | 109.0      | 164.6    | 52.3     | 143.8      | 215.3    | 75.4     | 152.3      | 230.4    | 78.6     |
| 25-29 years.....            | 118.8      | 174.9     | 63.0     | 106.4      | 157.0    | 55.3     | 187.5      | 280.6    | 103.6    | 210.8      | 317.6    | 115.3    |
| 30-34 years.....            | 132.3      | 187.0     | 78.6     | 114.3      | 160.7    | 67.9     | 236.5      | 350.8    | 136.7    | 275.4      | 411.6    | 157.4    |
| 35-39 years.....            | 168.2      | 225.2     | 112.8    | 147.0      | 195.4    | 99.0     | 307.4      | 436.3    | 197.3    | 361.6      | 520.5    | 228.1    |
| 40-44 years.....            | 256.7      | 332.5     | 183.9    | 227.9      | 293.5    | 163.7    | 440.2      | 599.4    | 304.2    | 512.2      | 711.6    | 348.0    |
| 45-49 years.....            | 419.8      | 546.1     | 300.4    | 378.0      | 489.8    | 270.2    | 694.1      | 944.8    | 485.8    | 791.2      | 1,093.4  | 545.7    |
| 50-54 years.....            | 676.3      | 892.0     | 476.3    | 625.0      | 824.9    | 435.9    | 1,057.0    | 1,433.3  | 754.4    | 1,196.6    | 1,630.8  | 848.9    |
| 55-59 years.....            | 1,039.2    | 1,386.8   | 729.8    | 978.3      | 1,308.7  | 680.0    | 1,528.8    | 2,054.9  | 1,108.2  | 1,717.4    | 2,327.9  | 1,233.6  |
| 60-64 years.....            | 1,579.9    | 2,123.5   | 1,111.3  | 1,508.5    | 2,035.6  | 1,050.5  | 2,207.7    | 2,934.7  | 1,628.3  | 2,446.1    | 3,262.3  | 1,805.5  |
| 65-69 years.....            | 2,385.4    | 3,256.1   | 1,686.0  | 2,319.5    | 3,176.9  | 1,624.5  | 2,985.2    | 4,001.1  | 2,225.8  | 3,269.0    | 4,416.3  | 2,429.6  |
| 70-74 years.....            | 3,506.4    | 4,817.6   | 2,558.2  | 3,447.0    | 4,765.1  | 2,494.1  | 4,048.4    | 5,295.0  | 3,143.7  | 4,386.3    | 5,836.0  | 3,385.1  |
| 75-79 years.....            | 5,252.1    | 7,183.2   | 4,044.0  | 5,235.0    | 7,210.0  | 4,006.1  | 5,428.2    | 6,935.4  | 4,419.9  | 5,791.8    | 7,436.6  | 4,726.4  |
| 80-84 years.....            | 8,081.4    | 10,582.7  | 6,763.3  | 8,091.6    | 10,675.4 | 6,752.7  | 7,973.2    | 9,786.1  | 6,883.3  | 8,532.5    | 10,448.2 | 7,417.1  |
| 85 years and over.....      | 15,048.3   | 17,782.0  | 13,895.2 | 15,296.9   | 18,123.1 | 14,123.9 | 12,159.6   | 14,386.4 | 11,130.5 | 12,792.4   | 15,117.9 | 11,660.0 |

<sup>1</sup>Figures for age not stated included in All ages but not distributed among age groups.

Table 3. Abridged life tables by race and sex: United States, 1982

[For explanation of the columns of the life tables, see section 6 of *Vital Statistics of the United States, 1979, Volume II*]

| Age interval  | Proportion dying   | Of 100,000 born alive                          |                                      | Stationary population   |  | Average remaining lifetime   |
|---|--|--|--------------------------------------|-------------------------|--|--|
|   | Proportion of persons alive at beginning of age interval dying during interval (2) | Number living at beginning of age interval (3) | Number dying during age interval (4) | In the age interval (5) | In this and all subsequent age intervals (6) | Average number of years of life remaining at beginning of age interval (7) |
| Period of life between two exact ages stated in years (1) |  |  |                                      |                         |  |  |
| x to x + n  | $nq_x$   | $l_x$  | $n d_x$                              | $nL_x$                  | $T_x$  | $e_x$  |
| <b>All races</b>  |  |  |                                      |                         |  |  |
| 0-1 year  | 0.0115   | 100,000  | 1,155                                | 98,999                  | 7,455,187                                    | 74.6   |
| 1-5 years   | 0.0023   | 98,845   | 225                                  | 394,857                 | 7,356,188                                    | 74.4   |
| 5-10 years  | 0.0014   | 98,620   | 140                                  | 492,724                 | 6,961,331                                    | 70.6   |
| 10-15 years   | 0.0014   | 98,480   | 140                                  | 492,105                 | 6,468,607                                    | 65.7   |
| 15-20 years   | 0.0043   | 98,340   | 424                                  | 490,738                 | 5,976,502                                    | 60.8   |
| 20-25 years   | 0.0057   | 97,916   | 560                                  | 488,198                 | 5,485,764                                    | 56.0   |
| 25-30 years   | 0.0059   | 97,356   | 577                                  | 485,337                 | 4,997,566                                    | 51.3   |
| 30-35 years   | 0.0066   | 96,779   | 640                                  | 482,364                 | 4,512,229                                    | 46.6   |
| 35-40 years   | 0.0084   | 96,139   | 804                                  | 478,814                 | 4,029,865                                    | 41.9   |
| 40-45 years   | 0.0127   | 95,335   | 1,215                                | 473,837                 | 3,551,051                                    | 37.2   |
| 45-50 years   | 0.0208   | 94,120   | 1,958                                | 466,011                 | 3,077,214                                    | 32.7   |
| 50-55 years   | 0.0334   | 92,162   | 3,074                                | 453,603                 | 2,611,203                                    | 28.3   |
| 55-60 years   | 0.0508   | 89,088   | 4,526                                | 434,735                 | 2,157,600                                    | 24.2   |
| 60-65 years   | 0.0763   | 84,562   | 6,451                                | 407,426                 | 1,722,865                                    | 20.4   |
| 65-70 years   | 0.1131   | 78,111   | 8,831                                | 369,338                 | 1,315,439                                    | 16.8   |
| 70-75 years   | 0.1619   | 69,280   | 11,219                               | 319,241                 | 946,101                                      | 13.7   |
| 75-80 years   | 0.2330   | 58,061   | 13,529                               | 256,955                 | 626,860                                      | 10.8   |
| 80-85 years   | 0.3362   | 44,532   | 14,973                               | 184,621                 | 369,905                                      | 8.3  |
| 85 years and over   | 1.0000   | 29,559   | 29,559                               | 185,284                 | 185,284                                      | 6.3  |
| <b>Male</b>   |  |  |                                      |                         |  |  |
| 0-1 year  | 0.0128   | 100,000  | 1,280                                | 98,891                  | 7,085,401                                    | 70.9   |
| 1-5 years   | 0.0025   | 98,720   | 247                                  | 394,312                 | 6,986,510                                    | 70.8   |
| 5-10 years  | 0.0016   | 98,473   | 162                                  | 491,933                 | 6,592,198                                    | 66.9   |
| 10-15 years   | 0.0018   | 98,311   | 173                                  | 491,205                 | 6,100,265                                    | 62.1   |
| 15-20 years   | 0.0062   | 98,138   | 611                                  | 489,322                 | 5,609,060                                    | 57.2   |
| 20-25 years   | 0.0086   | 97,527   | 839                                  | 485,563                 | 5,119,738                                    | 52.5   |
| 25-30 years   | 0.0087   | 96,688   | 841                                  | 481,304                 | 4,634,175                                    | 47.9   |
| 30-35 years   | 0.0093   | 95,847   | 894                                  | 477,077                 | 4,152,871                                    | 43.3   |
| 35-40 years   | 0.0112   | 94,953   | 1,062                                | 472,273                 | 3,675,794                                    | 38.7   |
| 40-45 years   | 0.0165   | 93,891   | 1,547                                | 465,844                 | 3,203,521                                    | 34.1   |
| 45-50 years   | 0.0270   | 92,344   | 2,491                                | 455,895                 | 2,737,677                                    | 29.6   |
| 50-55 years   | 0.0438   | 89,853   | 3,932                                | 440,072                 | 2,281,782                                    | 25.4   |
| 55-60 years   | 0.0672   | 85,921   | 5,777                                | 415,941                 | 1,841,710                                    | 21.4   |
| 60-65 years   | 0.1012   | 80,144   | 8,114                                | 381,268                 | 1,425,769                                    | 17.8   |
| 65-70 years   | 0.1512   | 72,030   | 10,888                               | 333,684                 | 1,044,501                                    | 14.5   |
| 70-75 years   | 0.2156   | 61,142   | 13,180                               | 273,194                 | 710,817                                      | 11.6   |
| 75-80 years   | 0.3043   | 47,962   | 14,594                               | 202,945                 | 437,623                                      | 9.1  |
| 80-85 years   | 0.4155   | 33,368   | 13,863                               | 130,706                 | 234,678                                      | 7.0  |
| 85 years and over   | 1.0000   | 19,505   | 19,505                               | 103,972                 | 103,972                                      | 5.3  |
| <b>Female</b>   |  |  |                                      |                         |  |  |
| 0-1 year  | 0.0102   | 100,000  | 1,023                                | 99,113                  | 7,819,882                                    | 78.2   |
| 1-5 years   | 0.0020   | 98,977   | 203                                  | 395,431                 | 7,720,769                                    | 78.0   |
| 5-10 years  | 0.0012   | 98,774   | 116                                  | 493,556                 | 7,325,338                                    | 74.2   |
| 10-15 years   | 0.0011   | 98,658   | 105                                  | 493,054                 | 6,831,782                                    | 69.2   |
| 15-20 years   | 0.0023   | 98,553   | 229                                  | 492,232                 | 6,338,728                                    | 64.3   |
| 20-25 years   | 0.0028   | 98,324   | 277                                  | 490,939                 | 5,846,496                                    | 59.5   |
| 25-30 years   | 0.0032   | 98,047   | 309                                  | 489,488                 | 5,355,557                                    | 54.6   |
| 30-35 years   | 0.0039   | 97,738   | 385                                  | 487,787                 | 4,866,069                                    | 49.8   |
| 35-40 years   | 0.0056   | 97,353   | 547                                  | 485,491                 | 4,378,282                                    | 45.0   |
| 40-45 years   | 0.0091   | 96,806   | 885                                  | 481,960                 | 3,892,791                                    | 40.2   |
| 45-50 years   | 0.0149   | 95,921   | 1,432                                | 476,236                 | 3,410,831                                    | 35.6   |
| 50-55 years   | 0.0236   | 94,489   | 2,230                                | 467,186                 | 2,934,595                                    | 31.1   |

Table 3. Abridged life tables by race and sex: United States, 1982—Con.

[For explanation of the columns of the life tables, see section 6 of *Vital Statistics of the United States, 1979, Volume II*]

| Age interval  | Proportion dying   | Of 100,000 born alive                          |                                      | Stationary population   |  | Average remaining lifetime   |
|---|--|--|--------------------------------------|-------------------------|--|--|
|   | Proportion of persons alive at beginning of age interval dying during interval (2) | Number living at beginning of age interval (3) | Number dying during age interval (4) | In the age interval (5) | In this and all subsequent age intervals (6) | Average number of years of life remaining at beginning of age interval (7) |
| Period of life between two exact ages stated in years (1) |  |  |                                      |                         |  |  |
| x to x + n  | $nq_x$   | $l_x$  | $n d_x$                              | $nL_x$                  | $T_x$  | $e_x$  |
| Female—Con.   |  |  |                                      |                         |  |  |
| 55–60 years   | 0.0359   | 92,259   | 3,316                                | 453,440                 | 2,467,409                                    | 26.7   |
| 60–65 years   | 0.0543   | 88,943   | 4,828                                | 433,304                 | 2,013,969                                    | 22.6   |
| 65–70 years   | 0.0813   | 84,115   | 6,839                                | 404,444                 | 1,580,665                                    | 18.8   |
| 70–75 years   | 0.1210   | 77,276   | 9,349                                | 364,261                 | 1,176,221                                    | 15.2   |
| 75–80 years   | 0.1849   | 67,927   | 12,561                               | 309,415                 | 811,960                                      | 12.0   |
| 80–85 years   | 0.2906   | 55,366   | 16,091                               | 236,809                 | 502,545                                      | 9.1  |
| 85 years and over   | 1.0000   | 39,275   | 39,275                               | 265,736                 | 265,736                                      | 6.8  |
| White   |  |  |                                      |                         |  |  |
| 0–1 year  | 0.0101   | 100,000  | 1,010                                | 99,123                  | 7,514,083                                    | 75.1   |
| 1–5 years   | 0.0021   | 98,990   | 207                                  | 395,484                 | 7,414,960                                    | 74.9   |
| 5–10 years  | 0.0013   | 98,783   | 131                                  | 493,565                 | 7,019,476                                    | 71.1   |
| 10–15 years   | 0.0014   | 98,652   | 135                                  | 492,975                 | 6,525,911                                    | 66.2   |
| 15–20 years   | 0.0043   | 98,517   | 427                                  | 491,609                 | 6,032,936                                    | 61.2   |
| 20–25 years   | 0.0054   | 98,090   | 534                                  | 489,119                 | 5,541,327                                    | 56.5   |
| 25–30 years   | 0.0053   | 97,556   | 518                                  | 486,476                 | 5,052,208                                    | 51.8   |
| 30–35 years   | 0.0057   | 97,038   | 554                                  | 483,864                 | 4,565,732                                    | 47.1   |
| 35–40 years   | 0.0073   | 96,484   | 706                                  | 480,780                 | 4,081,868                                    | 42.3   |
| 40–45 years   | 0.0113   | 95,778   | 1,083                                | 476,382                 | 3,601,088                                    | 37.6   |
| 45–50 years   | 0.0187   | 94,695   | 1,775                                | 469,340                 | 3,124,706                                    | 33.0   |
| 50–55 years   | 0.0309   | 92,920   | 2,868                                | 457,910                 | 2,655,366                                    | 28.6   |
| 55–60 years   | 0.0479   | 90,052   | 4,313                                | 440,097                 | 2,197,456                                    | 24.4   |
| 60–65 years   | 0.0730   | 85,739   | 6,257                                | 413,808                 | 1,757,359                                    | 20.5   |
| 65–70 years   | 0.1101   | 79,482   | 8,754                                | 376,443                 | 1,343,551                                    | 16.9   |
| 70–75 years   | 0.1594   | 70,728   | 11,274                               | 326,444                 | 967,108                                      | 13.7   |
| 75–80 years   | 0.2324   | 59,454   | 13,817                               | 263,313                 | 640,664                                      | 10.8   |
| 80–85 years   | 0.3366   | 45,637   | 15,362                               | 189,202                 | 377,351                                      | 8.3  |
| 85 years and over   | 1.0000   | 30,275   | 30,275                               | 188,149                 | 188,149                                      | 6.2  |
| White, male   |  |  |                                      |                         |  |  |
| 0–1 year  | 0.0113   | 100,000  | 1,126                                | 99,022                  | 7,149,935                                    | 71.5   |
| 1–5 years   | 0.0023   | 98,874   | 228                                  | 394,976                 | 7,050,913                                    | 71.3   |
| 5–10 years  | 0.0015   | 98,646   | 152                                  | 492,827                 | 6,655,937                                    | 67.5   |
| 10–15 years   | 0.0017   | 98,494   | 168                                  | 492,131                 | 6,163,110                                    | 62.6   |
| 15–20 years   | 0.0063   | 98,326   | 615                                  | 490,244                 | 5,670,979                                    | 57.7   |
| 20–25 years   | 0.0082   | 97,711   | 802                                  | 486,558                 | 5,180,735                                    | 53.0   |
| 25–30 years   | 0.0078   | 96,909   | 756                                  | 482,611                 | 4,694,177                                    | 48.4   |
| 30–35 years   | 0.0080   | 96,153   | 771                                  | 478,903                 | 4,211,566                                    | 43.8   |
| 35–40 years   | 0.0097   | 95,382   | 926                                  | 474,755                 | 3,732,663                                    | 39.1   |
| 40–45 years   | 0.0145   | 94,456   | 1,374                                | 469,101                 | 3,257,908                                    | 34.5   |
| 45–50 years   | 0.0242   | 93,082   | 2,255                                | 460,170                 | 2,788,807                                    | 30.0   |
| 50–55 years   | 0.0405   | 90,827   | 3,682                                | 445,574                 | 2,328,637                                    | 25.6   |
| 55–60 years   | 0.0636   | 87,145   | 5,540                                | 422,676                 | 1,883,063                                    | 21.6   |
| 60–65 years   | 0.0973   | 81,605   | 7,937                                | 389,049                 | 1,460,387                                    | 17.9   |
| 65–70 years   | 0.1478   | 73,668   | 10,887                               | 341,933                 | 1,071,338                                    | 14.5   |
| 70–75 years   | 0.2134   | 62,781   | 13,400                               | 280,914                 | 729,405                                      | 11.6   |
| 75–80 years   | 0.3053   | 49,381   | 15,075                               | 208,903                 | 448,491                                      | 9.1  |
| 80–85 years   | 0.4183   | 34,306   | 14,352                               | 134,144                 | 239,588                                      | 7.0  |
| 85 years and over   | 1.0000   | 19,954   | 19,954                               | 105,444                 | 105,444                                      | 5.3  |

Table 3. Abridged life tables by race and sex: United States, 1982—Con.

[For explanation of the columns of the life tables, see section 6 of *Vital Statistics of the United States, 1979, Volume II*]

| Age interval  | Proportion dying   | Of 100,000 born alive                          |                                      | Stationary population   |  | Average remaining lifetime   |
|---|--|--|--------------------------------------|-------------------------|--|--|
|   | Proportion of persons alive at beginning of age interval dying during interval (2) | Number living at beginning of age interval (3) | Number dying during age interval (4) | In the age interval (5) | In this and all subsequent age intervals (6) | Average number of years of life remaining at beginning of age interval (7) |
| Period of life between two exact ages stated in years (1) | $nq_x$   | $l_x$  | $n d_x$                              | $nL_x$                  | $T_x$  | $e_x$  |
| x to x + n  |  |  |                                      |                         |  |  |
| <b>White, female</b>                                      |  |  |                                      |                         |  |  |
| 0-1 year  | 0.0089   | 100,000  | 888                                  | 99,231                  | 7,875,084                                    | 78.8   |
| 1-5 years   | 0.0019   | 99,112   | 185                                  | 396,019                 | 7,775,853                                    | 78.5   |
| 5-10 years  | 0.0011   | 98,927   | 108                                  | 494,343                 | 7,379,834                                    | 74.6   |
| 10-15 years   | 0.0010   | 98,819   | 102                                  | 493,863                 | 6,885,491                                    | 69.7   |
| 15-20 years   | 0.0023   | 98,717   | 228                                  | 493,051                 | 6,391,628                                    | 64.7   |
| 20-25 years   | 0.0026   | 98,489   | 259                                  | 491,804                 | 5,898,577                                    | 59.9   |
| 25-30 years   | 0.0028   | 98,230   | 271                                  | 490,492                 | 5,406,773                                    | 55.0   |
| 30-35 years   | 0.0034   | 97,959   | 332                                  | 489,015                 | 4,916,281                                    | 50.2   |
| 35-40 years   | 0.0049   | 97,627   | 481                                  | 487,021                 | 4,427,266                                    | 45.3   |
| 40-45 years   | 0.0081   | 97,146   | 789                                  | 483,900                 | 3,940,245                                    | 40.6   |
| 45-50 years   | 0.0134   | 96,357   | 1,292                                | 478,761                 | 3,456,345                                    | 35.9   |
| 50-55 years   | 0.0216   | 95,065   | 2,051                                | 470,509                 | 2,977,584                                    | 31.3   |
| 55-60 years   | 0.0335   | 93,014   | 3,113                                | 457,717                 | 2,507,075                                    | 27.0   |
| 60-65 years   | 0.0513   | 89,901   | 4,612                                | 438,629                 | 2,049,358                                    | 22.8   |
| 65-70 years   | 0.0783   | 85,289   | 6,681                                | 410,771                 | 1,610,729                                    | 18.9   |
| 70-75 years   | 0.1179   | 78,608   | 9,271                                | 371,236                 | 1,199,958                                    | 15.3   |
| 75-80 years   | 0.1831   | 69,337   | 12,697                               | 316,256                 | 828,722                                      | 12.0   |
| 80-85 years   | 0.2899   | 56,640   | 16,419                               | 242,420                 | 512,466                                      | 9.0  |
| 85 years and over   | 1.0000   | 40,221   | 40,221                               | 270,046                 | 270,046                                      | 6.7  |
| <b>All other</b>  |  |  |                                      |                         |  |  |
| 0-1 year  | 0.0173   | 100,000  | 1,733                                | 98,504                  | 7,096,776                                    | 71.0   |
| 1-5 years   | 0.0031   | 98,267   | 301                                  | 392,348                 | 6,998,272                                    | 71.2   |
| 5-10 years  | 0.0018   | 97,966   | 180                                  | 489,335                 | 6,605,924                                    | 67.4   |
| 10-15 years   | 0.0016   | 97,786   | 158                                  | 488,596                 | 6,116,589                                    | 62.6   |
| 15-20 years   | 0.0043   | 97,628   | 415                                  | 487,230                 | 5,627,993                                    | 57.6   |
| 20-25 years   | 0.0072   | 97,213   | 700                                  | 484,400                 | 5,140,763                                    | 52.9   |
| 25-30 years   | 0.0093   | 96,513   | 902                                  | 480,356                 | 4,656,363                                    | 48.2   |
| 30-35 years   | 0.0118   | 95,611   | 1,126                                | 475,365                 | 4,176,007                                    | 43.7   |
| 35-40 years   | 0.0153   | 94,485   | 1,443                                | 469,001                 | 3,700,642                                    | 39.2   |
| 40-45 years   | 0.0218   | 93,042   | 2,028                                | 460,377                 | 3,231,641                                    | 34.7   |
| 45-50 years   | 0.0342   | 91,014   | 3,113                                | 447,629                 | 2,771,264                                    | 30.4   |
| 50-55 years   | 0.0516   | 87,901   | 4,539                                | 428,609                 | 2,323,635                                    | 26.4   |
| 55-60 years   | 0.0738   | 83,362   | 6,155                                | 401,939                 | 1,895,026                                    | 22.7   |
| 60-65 years   | 0.1049   | 77,207   | 8,097                                | 366,362                 | 1,493,087                                    | 19.3   |
| 65-70 years   | 0.1393   | 69,110   | 9,629                                | 321,931                 | 1,126,725                                    | 16.3   |
| 70-75 years   | 0.1847   | 59,481   | 10,988                               | 270,129                 | 804,794                                      | 13.5   |
| 75-80 years   | 0.2390   | 48,493   | 11,590                               | 212,869                 | 534,665                                      | 11.0   |
| 80-85 years   | 0.3314   | 36,903   | 12,228                               | 152,835                 | 321,796                                      | 8.7  |
| 85 years and over   | 1.0000   | 24,675   | 24,675                               | 168,961                 | 168,961                                      | 6.8  |
| <b>All other, male</b>                                    |  |  |                                      |                         |  |  |
| 0-1 year  | 0.0190   | 100,000  | 1,900                                | 98,368                  | 6,678,654                                    | 66.8   |
| 1-5 years   | 0.0033   | 98,100   | 328                                  | 391,624                 | 6,580,286                                    | 67.1   |
| 5-10 years  | 0.0021   | 97,772   | 207                                  | 488,298                 | 6,188,662                                    | 63.3   |
| 10-15 years   | 0.0020   | 97,565   | 197                                  | 487,425                 | 5,700,364                                    | 58.4   |
| 15-20 years   | 0.0061   | 97,368   | 593                                  | 485,561                 | 5,212,939                                    | 53.5   |
| 20-25 years   | 0.0108   | 96,775   | 1,042                                | 481,406                 | 4,727,378                                    | 48.8   |
| 25-30 years   | 0.0140   | 95,733   | 1,336                                | 475,348                 | 4,245,972                                    | 44.4   |
| 30-35 years   | 0.0174   | 94,397   | 1,645                                | 468,009                 | 3,770,624                                    | 39.9   |
| 35-40 years   | 0.0216   | 92,752   | 2,004                                | 458,972                 | 3,302,615                                    | 35.6   |
| 40-45 years   | 0.0296   | 90,748   | 2,682                                | 447,312                 | 2,843,643                                    | 31.3   |
| 45-50 years   | 0.0463   | 88,066   | 4,073                                | 430,550                 | 2,396,331                                    | 27.2   |
| 50-55 years   | 0.0694   | 83,993   | 5,828                                | 405,931                 | 1,965,781                                    | 23.4   |

Table 3. Abridged life tables by race and sex: United States, 1982—Con.

[For explanation of the columns of the life tables, see section 6 of *Vital Statistics of the United States, 1979, Volume II*]

| Age interval  | Proportion dying   | Of 100,000 born alive                          |                                      | Stationary population   |  | Average remaining lifetime   |
|---|--|--|--------------------------------------|-------------------------|--|--|
|   | Proportion of persons alive at beginning of age interval dying during interval (2) | Number living at beginning of age interval (3) | Number dying during age interval (4) | In the age interval (5) | In this and all subsequent age intervals (6) | Average number of years of life remaining at beginning of age interval (7) |
| Period of life between two exact ages stated in years (1) |  |  |                                      |                         |  |  |
| x to x + n  | $nq_x$   | $l_x$  | $n d_x$                              | $nL_x$                  | $T_x$  | $e_x$  |
| All other, male—Con.                                      |  |  |                                      |                         |  |  |
| 55–60 years   | 0.0980   | 78,165   | 7,657                                | 372,204                 | 1,559,850                                    | 20.0   |
| 60–65 years   | 0.1370   | 70,508   | 9,660                                | 328,855                 | 1,187,646                                    | 16.8   |
| 65–70 years   | 0.1823   | 60,848   | 11,094                               | 276,791                 | 858,791                                      | 14.1   |
| 70–75 years   | 0.2346   | 49,754   | 11,671                               | 219,504                 | 582,000                                      | 11.7   |
| 75–80 years   | 0.2946   | 38,083   | 11,219                               | 161,352                 | 362,496                                      | 9.5  |
| 80–85 years   | 0.3898   | 26,864   | 10,472                               | 106,712                 | 201,144                                      | 7.5  |
| 85 years and over   | 1.0000   | 16,392   | 16,392                               | 94,432                  | 94,432                                       | 5.8  |
| All other, female   |  |  |                                      |                         |  |  |
| 0–1 year  | 0.0156   | 100,000  | 1,560                                | 98,645                  | 7,503,845                                    | 75.0   |
| 1–5 years   | 0.0028   | 98,440   | 273                                  | 393,098                 | 7,405,200                                    | 75.2   |
| 5–10 years  | 0.0015   | 98,167   | 152                                  | 490,412                 | 7,012,102                                    | 71.4   |
| 10–15 years   | 0.0012   | 98,015   | 119                                  | 489,810                 | 6,521,690                                    | 66.5   |
| 15–20 years   | 0.0024   | 97,896   | 233                                  | 488,957                 | 6,031,880                                    | 61.6   |
| 20–25 years   | 0.0038   | 97,663   | 369                                  | 487,440                 | 5,542,923                                    | 56.8   |
| 25–30 years   | 0.0052   | 97,294   | 504                                  | 485,271                 | 5,055,483                                    | 52.0   |
| 30–35 years   | 0.0068   | 96,790   | 661                                  | 482,405                 | 4,570,212                                    | 47.2   |
| 35–40 years   | 0.0098   | 96,129   | 944                                  | 478,429                 | 4,087,807                                    | 42.5   |
| 40–45 years   | 0.0151   | 95,185   | 1,438                                | 472,517                 | 3,609,378                                    | 37.9   |
| 45–50 years   | 0.0241   | 93,747   | 2,256                                | 463,362                 | 3,136,861                                    | 33.5   |
| 50–55 years   | 0.0371   | 91,491   | 3,396                                | 449,322                 | 2,673,499                                    | 29.2   |
| 55–60 years   | 0.0541   | 88,095   | 4,764                                | 429,040                 | 2,224,177                                    | 25.2   |
| 60–65 years   | 0.0784   | 83,331   | 6,536                                | 400,954                 | 1,795,137                                    | 21.5   |
| 65–70 years   | 0.1058   | 76,795   | 8,125                                | 364,229                 | 1,394,183                                    | 18.2   |
| 70–75 years   | 0.1466   | 68,670   | 10,067                               | 318,593                 | 1,029,954                                    | 15.0   |
| 75–80 years   | 0.1995   | 58,603   | 11,693                               | 263,571                 | 711,361                                      | 12.1   |
| 80–85 years   | 0.2939   | 46,910   | 13,787                               | 199,403                 | 447,790                                      | 9.5  |
| 85 years and over   | 1.0000   | 33,123   | 33,123                               | 248,387                 | 248,387                                      | 7.5  |
| Black   |  |  |                                      |                         |  |  |
| 0–1 year  | 0.0197   | 100,000  | 1,968                                | 98,296                  | 6,925,838                                    | 69.3   |
| 1–5 years   | 0.0033   | 98,032   | 326                                  | 391,347                 | 6,827,542                                    | 69.6   |
| 5–10 years  | 0.0020   | 97,706   | 195                                  | 487,993                 | 6,436,195                                    | 65.9   |
| 10–15 years   | 0.0017   | 97,511   | 168                                  | 487,199                 | 5,948,202                                    | 61.0   |
| 15–20 years   | 0.0043   | 97,343   | 417                                  | 485,805                 | 5,461,003                                    | 56.1   |
| 20–25 years   | 0.0076   | 96,926   | 739                                  | 482,881                 | 4,975,198                                    | 51.3   |
| 25–30 years   | 0.0105   | 96,187   | 1,010                                | 478,463                 | 4,492,317                                    | 46.7   |
| 30–35 years   | 0.0137   | 95,177   | 1,304                                | 472,771                 | 4,013,854                                    | 42.2   |
| 35–40 years   | 0.0179   | 93,873   | 1,683                                | 465,373                 | 3,541,083                                    | 37.7   |
| 40–45 years   | 0.0253   | 92,190   | 2,332                                | 455,387                 | 3,075,710                                    | 33.4   |
| 45–50 years   | 0.0389   | 89,858   | 3,492                                | 440,926                 | 2,620,323                                    | 29.2   |
| 50–55 years   | 0.0582   | 86,366   | 5,028                                | 419,735                 | 2,179,397                                    | 25.2   |
| 55–60 years   | 0.0825   | 81,338   | 6,712                                | 390,452                 | 1,759,662                                    | 21.6   |
| 60–65 years   | 0.1155   | 74,626   | 8,616                                | 352,158                 | 1,369,210                                    | 18.3   |
| 65–70 years   | 0.1515   | 66,010   | 9,999                                | 305,481                 | 1,017,052                                    | 15.4   |
| 70–75 years   | 0.1985   | 56,011   | 11,118                               | 252,401                 | 711,571                                      | 12.7   |
| 75–80 years   | 0.2528   | 44,893   | 11,351                               | 195,408                 | 459,170                                      | 10.2   |
| 80–85 years   | 0.3502   | 33,542   | 11,747                               | 137,212                 | 263,762                                      | 7.9  |
| 85 years and over   | 1.0000   | 21,795   | 21,795                               | 126,550                 | 126,550                                      | 5.8  |

Table 3. Abridged life tables by race and sex: United States, 1982—Con.

[For explanation of the columns of the life tables, see section 6 of *Vital Statistics of the United States, 1979, Volume II*]

| Age interval<br><br>Period of life between two exact ages<br>stated in years<br>(1) | Proportion<br>dying   | Of 100,000 born alive                                   |   | Stationary population         |   | Average<br>remaining<br>lifetime  |
|---|---|---|---|-------------------------------|---|---|
|   | Proportion of<br>persons alive at<br>beginning of age<br>interval dying<br>during interval<br>(2) | Number living<br>at beginning of<br>age interval<br>(3) | Number dying<br>during age<br>interval<br>(4) | In the age<br>interval<br>(5) | In this and<br>all subsequent<br>age intervals<br>(6) | Average number<br>of years of life<br>remaining at<br>beginning of<br>age interval<br>(7) |
| x to x + n  | $nq_x$  | $l_x$   | $n d_x$                                       | $nL_x$                        | $T_x$   | $e_x$   |
| <b>Black, male</b>  |   |   |   |                               |   |   |
| 0-1 year  | 0.0216  | 100,000   | 2,159   | 98,139                        | 6,494,155   | 64.9  |
| 1-5 years   | 0.0036  | 97,841  | 356   | 390,521                       | 6,396,016   | 65.4  |
| 5-10 years  | 0.0023  | 97,485  | 224   | 486,814                       | 6,005,495   | 61.6  |
| 10-15 years   | 0.0022  | 97,261  | 210   | 485,877                       | 5,518,681   | 56.7  |
| 15-20 years   | 0.0062  | 97,051  | 597   | 483,973                       | 5,032,804   | 51.9  |
| 20-25 years   | 0.0115  | 96,454  | 1,112   | 479,649                       | 4,548,831   | 47.2  |
| 25-30 years   | 0.0158  | 95,342  | 1,504   | 472,979                       | 4,069,182   | 42.7  |
| 30-35 years   | 0.0204  | 93,838  | 1,914   | 464,561                       | 3,596,203   | 38.3  |
| 35-40 years   | 0.0257  | 91,924  | 2,363   | 453,964                       | 3,131,642   | 34.1  |
| 40-45 years   | 0.0350  | 89,561  | 3,132   | 440,289                       | 2,677,678   | 29.9  |
| 45-50 years   | 0.0533  | 86,429  | 4,607   | 421,064                       | 2,237,389   | 25.9  |
| 50-55 years   | 0.0785  | 81,822  | 6,424   | 393,609                       | 1,816,325   | 22.2  |
| 55-60 years   | 0.1102  | 75,398  | 8,310   | 356,760                       | 1,422,716   | 18.9  |
| 60-65 years   | 0.1510  | 67,088  | 10,132  | 310,541                       | 1,065,956   | 15.9  |
| 65-70 years   | 0.1992  | 56,956  | 11,343  | 256,629                       | 755,415   | 13.3  |
| 70-75 years   | 0.2552  | 45,613  | 11,639  | 198,773                       | 498,786   | 10.9  |
| 75-80 years   | 0.3123  | 33,974  | 10,610  | 142,328                       | 300,013   | 8.8   |
| 80-85 years   | 0.4105  | 23,364  | 9,590   | 91,508                        | 157,685   | 6.7   |
| 85 years and over   | 1.0000  | 13,774  | 13,774  | 66,177                        | 66,177  | 4.8   |
| <b>Black, female</b>  |   |   |   |                               |   |   |
| 0-1 year  | 0.0177  | 100,000   | 1,771   | 98,457                        | 7,348,234   | 73.5  |
| 1-5 years   | 0.0030  | 98,229  | 294   | 392,203                       | 7,249,777   | 73.8  |
| 5-10 years  | 0.0017  | 97,935  | 165   | 489,215                       | 6,857,574   | 70.0  |
| 10-15 years   | 0.0013  | 97,770  | 125   | 488,570                       | 6,368,359   | 65.1  |
| 15-20 years   | 0.0024  | 97,645  | 235   | 487,696                       | 5,879,789   | 60.2  |
| 20-25 years   | 0.0039  | 97,410  | 384   | 486,141                       | 5,392,093   | 55.4  |
| 25-30 years   | 0.0058  | 97,026  | 559   | 483,800                       | 4,905,952   | 50.6  |
| 30-35 years   | 0.0079  | 96,467  | 757   | 480,566                       | 4,422,152   | 45.8  |
| 35-40 years   | 0.0113  | 95,710  | 1,086   | 476,004                       | 3,941,586   | 41.2  |
| 40-45 years   | 0.0173  | 94,624  | 1,633   | 469,246                       | 3,465,582   | 36.6  |
| 45-50 years   | 0.0270  | 92,991  | 2,507   | 458,970                       | 2,996,336   | 32.2  |
| 50-55 years   | 0.0417  | 90,484  | 3,769   | 443,376                       | 2,537,366   | 28.0  |
| 55-60 years   | 0.0600  | 86,715  | 5,201   | 421,078                       | 2,093,990   | 24.1  |
| 60-65 years   | 0.0866  | 81,514  | 7,055   | 390,603                       | 1,672,912   | 20.5  |
| 65-70 years   | 0.1149  | 74,459  | 8,554   | 351,489                       | 1,282,309   | 17.2  |
| 70-75 years   | 0.1570  | 65,905  | 10,344  | 304,057                       | 930,820   | 14.1  |
| 75-80 years   | 0.2118  | 55,561  | 11,766  | 248,095                       | 626,763   | 11.3  |
| 80-85 years   | 0.3127  | 43,795  | 13,695  | 183,953                       | 378,668   | 8.6   |
| 85 years and over   | 1.0000  | 30,100  | 30,100  | 194,715                       | 194,715   | 6.5   |

Table 4. Deaths under 1 year and infant mortality rates for the 10 leading causes of infant death: United States, 1982

[Rates per 100,000 live births]

| <i>Rank order</i> <sup>1</sup> | <i>Cause of death</i> (Ninth Revision International Classification of Diseases, 1975) | <i>Number</i> | <i>Rate</i> |
|--------------------------------|---|---------------|-------------|
| ...                            | All causes .....  | 42,401        | 1,152.0     |
| 1                              | Congenital anomalies..... 740-759   | 9,024         | 245.2       |
| 2                              | Sudden infant death syndrome..... 798.0   | 5,278         | 143.4       |
| 3                              | Respiratory distress syndrome..... 769  | 4,038         | 109.7       |
| 4                              | Disorders relating to short gestation and unspecified low birthweight..... 765        | 3,618         | 98.3        |
| 5                              | Newborn affected by maternal complications of pregnancy..... 761                      | 1,493         | 40.6        |
| 6                              | Intrauterine hypoxia and birth asphyxia..... 768                                      | 1,489         | 40.5        |
| 7                              | Accidents and adverse effects..... E800-E949  | 1,024         | 27.8        |
| 8                              | Newborn affected by complications of placenta, cord, and membranes..... 762           | 973           | 26.4        |
| 9                              | Infections specific to the perinatal period..... 771                                  | 951           | 25.8        |
| 10                             | Pneumonia and influenza..... 480-487  | 756           | 20.5        |
| ...                            | All other causes..... Residual  | 13,757        | 373.8       |

<sup>1</sup>Rank based on number of deaths; see Technical notes.



**Table 5. Age-specific and age-adjusted death rates for 15 leading causes and selected components: United States, 1979 and 1981-82**

[Rates per 100,000 population in specified group]

| Cause of death (Ninth Revision International Classification of Diseases, 1975)            | Year | Age                   |              |           |            |             |             |             |             |             |             |             | Age-adjusted rate <sup>2</sup> |                   |
|---|------|-----------------------|--------------|-----------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------|-------------------|
|   |      | All ages <sup>1</sup> | Under 1 year | 1-4 years | 5-14 years | 15-24 years | 25-34 years | 35-44 years | 45-54 years | 55-64 years | 65-74 years | 75-84 years |                                | 85 years and over |
| All causes .....  | 1982 | 852.0                 | 1,164.2      | 57.6      | 28.3       | 101.0       | 125.2       | 207.4       | 549.7       | 1,297.9     | 2,885.2     | 6,329.8     | 15,048.3                       | 553.8             |
|   | 1981 | 862.4                 | 1,207.3      | 60.2      | 29.4       | 107.1       | 132.1       | 221.3       | 573.5       | 1,322.1     | 2,922.3     | 6,429.9     | 15,379.7                       | 568.2             |
|   | 1979 | 852.2                 | 1,332.9      | 64.2      | 31.5       | 114.8       | 133.0       | 229.8       | 589.7       | 1,338.0     | 2,929.0     | 6,496.6     | 14,962.4                       | 577.0             |
| Diseases of heart ..... 390-398,402,404-429   | 1982 | 326.0                 | 21.1         | 2.3       | 1.1        | 2.7         | 8.2         | 40.7        | 169.4       | 468.7       | 1,156.4     | 2,801.4     | 7,341.8                        | 190.5             |
|   | 1981 | 328.7                 | 21.3         | 2.5       | 0.9        | 2.6         | 8.4         | 43.2        | 177.7       | 481.5       | 1,175.8     | 2,850.3     | 7,458.8                        | 195.0             |
|   | 1979 | 326.5                 | 20.2         | 2.1       | 0.8        | 2.6         | 8.4         | 45.3        | 184.6       | 499.0       | 1,199.8     | 2,925.2     | 7,310.9                        | 199.5             |
| Rheumatic fever and rheumatic heart disease..... 390-398                                  | 1982 | 3.0                   | 0.2          | 0.1       | 0.0        | 0.2         | 0.4         | 0.9         | 2.6         | 6.7         | 13.9        | 20.1        | 24.1                           | 2.2               |
|   | 1981 | 3.2                   | 0.2          | 0.0       | 0.1        | 0.1         | 0.4         | 1.2         | 3.1         | 7.0         | 14.7        | 20.9        | 24.2                           | 2.3               |
|   | 1979 | 3.5                   | 0.1          | 0.0       | 0.0        | 0.2         | 0.4         | 1.4         | 3.9         | 8.0         | 16.0        | 20.6        | 25.2                           | 2.6               |
| Hypertensive heart disease.... 402  | 1982 | 9.0                   | 0.1          | 0.0       | 0.0        | 0.0         | 0.3         | 1.6         | 6.4         | 15.0        | 32.6        | 74.5        | 164.5                          | 5.6               |
|   | 1981 | 9.1                   | -            | -         | 0.0        | 0.0         | 0.3         | 1.8         | 6.8         | 15.7        | 33.2        | 74.4        | 168.1                          | 5.7               |
|   | 1979 | 9.3                   | 0.0          | -         | 0.0        | 0.0         | 0.4         | 1.9         | 7.0         | 16.2        | 35.7        | 79.6        | 170.3                          | 6.0               |
| Hypertensive heart and renal disease..... 404   | 1982 | 1.3                   | 0.0          | -         | -          | 0.0         | 0.1         | 0.1         | 0.3         | 1.1         | 3.7         | 13.0        | 40.7                           | 0.7               |
|   | 1981 | 1.5                   | -            | 0.0       | -          | 0.0         | 0.1         | 0.1         | 0.4         | 1.2         | 4.4         | 14.8        | 44.6                           | 0.8               |
|   | 1979 | 1.6                   | -            | -         | 0.0        | 0.0         | 0.0         | 0.2         | 0.4         | 1.4         | 5.1         | 16.8        | 50.9                           | 0.9               |
| Ischemic heart disease... 410-414   | 1982 | 238.5                 | 0.8          | 0.2       | 0.1        | 0.3         | 3.3         | 26.5        | 122.8       | 348.2       | 871.9       | 2,073.7     | 5,228.5                        | 139.3             |
|   | 1981 | 242.1                 | 0.7          | 0.1       | 0.1        | 0.3         | 3.2         | 28.2        | 128.5       | 359.9       | 892.1       | 2,124.7     | 5,359.8                        | 143.4             |
|   | 1979 | 245.5                 | 0.7          | 0.1       | 0.0        | 0.3         | 3.6         | 30.1        | 136.1       | 381.0       | 926.6       | 2,224.8     | 5,376.1                        | 149.7             |
| Acute myocardial infarction... 410  | 1982 | 125.6                 | 0.5          | 0.1       | 0.1        | 0.2         | 2.1         | 17.5        | 81.3        | 225.7       | 529.8       | 1,052.5     | 1,832.8                        | 79.5              |
|   | 1981 | 127.5                 | 0.4          | 0.0       | 0.1        | 0.2         | 2.1         | 18.9        | 86.2        | 233.5       | 542.8       | 1,070.0     | 1,862.6                        | 81.9              |
|   | 1979 | 133.8                 | 0.4          | 0.0       | 0.0        | 0.2         | 2.4         | 21.1        | 94.6        | 258.9       | 577.2       | 1,135.2     | 1,916.3                        | 88.2              |
| Other acute and subacute forms of ischemic heart disease... 411                           | 1982 | 1.8                   | -            | -         | -          | 0.0         | 0.1         | 0.5         | 1.8         | 4.0         | 6.9         | 11.5        | 24.3                           | 1.2               |
|   | 1981 | 2.0                   | 0.1          | -         | -          | 0.0         | 0.1         | 0.5         | 1.9         | 4.4         | 7.6         | 13.5        | 29.2                           | 1.3               |
|   | 1979 | 2.1                   | 0.1          | -         | -          | 0.0         | 0.1         | 0.5         | 2.0         | 4.8         | 8.2         | 15.3        | 30.2                           | 1.5               |
| Angina pectoris ..... 413   | 1982 | 0.3                   | -            | -         | -          | 0.0         | 0.0         | 0.0         | 0.2         | 0.4         | 1.0         | 2.7         | 4.1                            | 0.2               |
|   | 1981 | 0.2                   | -            | -         | -          | -           | -           | 0.0         | 0.2         | 0.3         | 0.8         | 2.4         | 5.1                            | 0.1               |
|   | 1979 | 0.2                   | 0.0          | -         | -          | 0.0         | 0.0         | 0.1         | 0.1         | 0.3         | 0.9         | 2.1         | 4.6                            | 0.1               |
| Old myocardial infarction and other forms of chronic ischemic heart disease ..... 412,414 | 1982 | 110.9                 | 0.3          | 0.1       | 0.1        | 0.1         | 1.1         | 8.6         | 39.5        | 118.1       | 334.2       | 1,007.0     | 3,367.3                        | 58.5              |
|   | 1981 | 112.3                 | 0.3          | 0.0       | 0.1        | 0.1         | 1.0         | 8.7         | 40.2        | 121.6       | 340.8       | 1,038.8     | 3,462.8                        | 60.0              |
|   | 1979 | 109.4                 | 0.2          | 0.0       | 0.0        | 0.1         | 1.0         | 8.4         | 39.3        | 117.0       | 340.3       | 1,072.2     | 3,424.9                        | 59.9              |
| Other diseases of endocardium ..... 424   | 1982 | 3.4                   | 0.4          | 0.1       | 0.0        | 0.1         | 0.3         | 0.5         | 1.6         | 4.2         | 11.5        | 32.9        | 65.4                           | 2.0               |
|   | 1981 | 3.2                   | 0.4          | 0.1       | 0.0        | 0.1         | 0.2         | 0.6         | 1.7         | 4.2         | 12.0        | 30.0        | 59.8                           | 2.0               |
|   | 1979 | 2.9                   | 0.4          | 0.0       | 0.0        | 0.1         | 0.2         | 0.6         | 1.5         | 4.3         | 11.6        | 27.5        | 47.1                           | 1.8               |
| All other forms of heart disease ..... 415-423,425-429                                    | 1982 | 70.8                  | 19.6         | 2.0       | 0.8        | 2.0         | 3.9         | 11.1        | 35.6        | 93.5        | 222.8       | 587.1       | 1,818.5                        | 40.8              |
|   | 1981 | 69.7                  | 20.0         | 2.4       | 0.7        | 2.0         | 4.1         | 11.3        | 37.2        | 93.5        | 219.3       | 585.5       | 1,802.3                        | 40.8              |
|   | 1979 | 63.7                  | 19.0         | 2.0       | 0.7        | 1.9         | 3.7         | 11.0        | 35.7        | 88.1        | 204.8       | 555.9       | 1,641.4                        | 38.4              |

See footnotes at end of table.

**Table 5. Age-specific and age-adjusted death rates for 15 leading causes and selected components: United States, 1979 and 1981-82—Con.**

[Rates per 100,000 population in specified group]

| Cause of death (Ninth Revision International Classification of Diseases, 1975)                  | Year | Age                   |              |           |            |             |             |             |             |             |             |             | Age-adjusted rate <sup>2</sup> |                   |
|---|------|-----------------------|--------------|-----------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------|-------------------|
|   |      | All ages <sup>1</sup> | Under 1 year | 1-4 years | 5-14 years | 15-24 years | 25-34 years | 35-44 years | 45-54 years | 55-64 years | 65-74 years | 75-84 years |                                | 85 years and over |
| Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . . . 140-208 | 1982 | 187.2                 | 3.7          | 4.6       | 4.1        | 5.9         | 13.2        | 46.2        | 176.0       | 439.7       | 824.9       | 1,238.7     | 1,598.6                        | 132.5             |
|   | 1981 | 184.0                 | 2.5          | 4.9       | 4.1        | 5.7         | 13.0        | 47.2        | 178.1       | 434.8       | 814.8       | 1,221.8     | 1,575.3                        | 131.6             |
|   | 1979 | 179.6                 | 3.4          | 4.6       | 4.4        | 6.1         | 13.3        | 48.3        | 181.4       | 429.4       | 800.0       | 1,207.6     | 1,522.9                        | 130.8             |
| Malignant neoplasms of lip, oral cavity, and pharynx . . . . 140-149                            | 1982 | 3.7                   | 0.1          | -         | 0.0        | 0.1         | 0.1         | 1.0         | 4.9         | 11.2        | 15.5        | 18.1        | 23.1                           | 2.8               |
|   | 1981 | 3.7                   | 0.0          | -         | 0.0        | 0.1         | 0.2         | 0.9         | 5.0         | 11.6        | 16.5        | 16.5        | 23.6                           | 2.8               |
|   | 1979 | 3.8                   | -            | 0.0       | 0.0        | 0.1         | 0.2         | 1.1         | 5.6         | 11.8        | 16.3        | 18.1        | 23.7                           | 3.0               |
| Malignant neoplasms of digestive organs and peritoneum . . . . . 150-159                        | 1982 | 48.6                  | 0.5          | 0.2       | 0.1        | 0.4         | 1.7         | 7.7         | 34.7        | 100.9       | 216.6       | 376.1       | 550.3                          | 32.2              |
|   | 1981 | 48.5                  | 0.3          | 0.2       | 0.1        | 0.4         | 1.6         | 7.9         | 35.5        | 101.2       | 217.9       | 381.0       | 552.7                          | 32.5              |
|   | 1979 | 48.6                  | 0.3          | 0.1       | 0.1        | 0.3         | 1.8         | 8.2         | 36.3        | 103.9       | 221.9       | 388.7       | 547.8                          | 33.1              |
| Malignant neoplasms of respiratory and intrathoracic organs . . . . . 160-165                   | 1982 | 50.2                  | 0.2          | 0.0       | 0.1        | 0.1         | 0.8         | 8.8         | 56.0        | 150.8       | 254.6       | 263.5       | 196.0                          | 37.5              |
|   | 1981 | 48.5                  | 0.2          | 0.0       | 0.0        | 0.1         | 0.7         | 9.5         | 56.7        | 145.9       | 245.3       | 252.6       | 187.7                          | 36.6              |
|   | 1979 | 45.9                  | 0.0          | 0.0       | 0.0        | 0.1         | 0.8         | 9.8         | 56.0        | 140.9       | 231.0       | 238.1       | 170.3                          | 35.2              |
| Malignant neoplasm of breast . . . . . 174-175  | 1982 | 16.3                  | 0.1          | 0.0       | 0.0        | 0.0         | 1.7         | 8.8         | 24.4        | 43.0        | 59.3        | 83.5        | 126.1                          | 12.5              |
|   | 1981 | 16.0                  | 0.0          | 0.0       | 0.0        | 0.0         | 1.7         | 8.9         | 25.0        | 42.4        | 59.6        | 80.5        | 121.6                          | 12.5              |
|   | 1979 | 15.4                  | -            | -         | -          | 0.0         | 1.6         | 9.1         | 25.3        | 41.3        | 56.6        | 77.4        | 114.2                          | 12.2              |
| Malignant neoplasms of genital organs . . . . . 179-187   | 1982 | 20.5                  | 0.1          | 0.0       | 0.0        | 0.4         | 1.6         | 3.9         | 13.0        | 35.4        | 87.3        | 175.9       | 257.7                          | 13.2              |
|   | 1981 | 20.4                  | 0.1          | 0.0       | 0.0        | 0.4         | 1.5         | 4.2         | 13.6        | 35.9        | 87.1        | 174.2       | 258.3                          | 13.3              |
|   | 1979 | 20.2                  | 0.0          | 0.0       | 0.1        | 0.5         | 1.6         | 4.7         | 14.5        | 35.6        | 88.3        | 176.0       | 252.0                          | 13.6              |
| Malignant neoplasms of urinary organs . . . . . 188-189   | 1982 | 8.0                   | 0.1          | 0.2       | 0.1        | 0.1         | 0.2         | 1.1         | 5.6         | 15.1        | 35.1        | 63.6        | 100.7                          | 5.2               |
|   | 1981 | 7.8                   | 0.1          | 0.2       | 0.1        | 0.1         | 0.3         | 1.2         | 5.2         | 15.0        | 34.2        | 65.2        | 100.1                          | 5.1               |
|   | 1979 | 7.8                   | 0.2          | 0.2       | 0.2        | 0.1         | 0.2         | 1.1         | 5.7         | 15.1        | 34.6        | 65.6        | 97.0                           | 5.2               |
| Malignant neoplasms of all other and unspecified sites . . . . . 170-173,190-199                | 1982 | 22.9                  | 1.7          | 2.4       | 1.7        | 2.2         | 3.7         | 8.9         | 23.6        | 52.4        | 90.0        | 137.5       | 188.6                          | 17.0              |
|   | 1981 | 22.5                  | 1.3          | 2.4       | 1.7        | 2.1         | 3.7         | 8.9         | 24.1        | 51.4        | 89.6        | 133.8       | 187.6                          | 16.8              |
|   | 1979 | 21.6                  | 1.7          | 2.2       | 1.7        | 2.3         | 3.7         | 8.6         | 24.0        | 49.8        | 86.4        | 130.2       | 175.8                          | 16.4              |
| Leukemia . . . . . 204-208  | 1982 | 7.2                   | 0.9          | 1.5       | 1.7        | 1.7         | 1.6         | 2.7         | 5.1         | 11.0        | 25.4        | 51.2        | 78.7                           | 5.2               |
|   | 1981 | 7.1                   | 0.5          | 1.7       | 1.7        | 1.5         | 1.7         | 2.6         | 5.1         | 11.4        | 25.3        | 50.7        | 72.8                           | 5.1               |
|   | 1979 | 7.1                   | 1.0          | 1.7       | 1.9        | 1.7         | 1.7         | 2.7         | 5.5         | 11.3        | 25.4        | 50.3        | 76.1                           | 5.3               |
| Other malignant neoplasms of lymphatic and hematopoietic tissues . . . . . 200-203              | 1982 | 9.8                   | 0.1          | 0.2       | 0.4        | 0.9         | 1.7         | 3.3         | 8.8         | 19.9        | 41.2        | 69.2        | 77.3                           | 7.0               |
|   | 1981 | 9.4                   | 0.1          | 0.2       | 0.4        | 1.0         | 1.7         | 3.2         | 8.0         | 19.9        | 39.3        | 67.3        | 70.9                           | 6.8               |
|   | 1979 | 9.1                   | 0.1          | 0.3       | 0.4        | 0.9         | 1.8         | 3.0         | 8.6         | 19.5        | 39.5        | 63.1        | 66.0                           | 6.7               |

|  |      |      |       |      |      |      |      |      |      |      |       |       |         |      |
|--|------|------|-------|------|------|------|------|------|------|------|-------|-------|---------|------|
| Cerebrovascular diseases . . . 430-438   | 1982 | 68.0 | 3.7   | 0.3  | 0.3  | 0.7  | 2.4  | 7.7  | 23.7 | 58.9 | 193.5 | 675.1 | 2,000.8 | 35.8 |
|  | 1981 | 71.3 | 3.7   | 0.3  | 0.3  | 0.9  | 2.6  | 8.4  | 24.9 | 62.9 | 206.3 | 715.6 | 2,126.8 | 38.1 |
|  | 1979 | 75.5 | 4.6   | 0.3  | 0.3  | 0.9  | 2.6  | 9.1  | 26.4 | 68.1 | 226.9 | 793.8 | 2,264.9 | 41.6 |
| Accidents and adverse effects . . . . . E800-E949                              | 1982 | 40.6 | 28.1  | 22.5 | 13.2 | 51.2 | 40.5 | 32.7 | 34.2 | 37.3 | 50.9  | 103.9 | 255.9   | 36.6 |
|  | 1981 | 43.9 | 27.3  | 23.6 | 14.2 | 56.0 | 45.1 | 35.7 | 37.7 | 40.4 | 54.3  | 108.2 | 273.3   | 39.8 |
|  | 1979 | 46.9 | 31.5  | 26.5 | 16.1 | 62.6 | 45.7 | 38.4 | 39.4 | 43.5 | 58.8  | 117.8 | 276.0   | 42.9 |
| Motor vehicle accidents . . . . . E810-E825                                    | 1982 | 19.8 | 5.8   | 7.9  | 6.8  | 36.9 | 24.1 | 17.7 | 15.7 | 15.2 | 17.5  | 25.2  | 23.7    | 19.3 |
|  | 1981 | 22.4 | 6.1   | 7.8  | 7.5  | 41.2 | 28.6 | 20.2 | 17.8 | 17.3 | 19.4  | 27.3  | 25.8    | 21.8 |
|  | 1979 | 23.8 | 6.5   | 9.8  | 8.3  | 45.6 | 28.8 | 21.0 | 18.6 | 18.2 | 20.7  | 28.7  | 24.4    | 23.2 |
| All other accidents and adverse effects . . . E800-E807,E826-E949              | 1982 | 20.8 | 22.4  | 14.5 | 6.5  | 14.4 | 16.4 | 15.0 | 18.4 | 22.1 | 33.4  | 78.7  | 232.2   | 17.3 |
|  | 1981 | 21.5 | 21.2  | 15.8 | 6.7  | 14.8 | 16.4 | 15.5 | 19.8 | 23.0 | 34.9  | 81.0  | 247.6   | 18.0 |
|  | 1979 | 23.1 | 25.0  | 16.7 | 7.7  | 17.0 | 16.9 | 17.4 | 20.8 | 25.2 | 38.1  | 89.2  | 251.6   | 19.6 |
| Chronic obstructive pulmonary diseases and allied conditions . . . . . 490-496 | 1982 | 25.8 | 1.7   | 0.4  | 0.3  | 0.5  | 0.6  | 1.6  | 9.5  | 41.7 | 131.2 | 236.0 | 278.0   | 16.2 |
|  | 1981 | 25.7 | 1.7   | 0.3  | 0.3  | 0.4  | 0.5  | 1.7  | 10.0 | 43.3 | 132.6 | 231.5 | 274.7   | 16.3 |
|  | 1979 | 22.2 | 1.9   | 0.5  | 0.2  | 0.3  | 0.5  | 1.7  | 9.3  | 40.2 | 117.0 | 200.6 | 230.2   | 14.6 |
| Pneumonia and influenza . . . 480-487  | 1982 | 21.1 | 20.8  | 1.7  | 0.4  | 0.7  | 1.4  | 2.8  | 6.5  | 16.4 | 47.6  | 183.4 | 747.8   | 10.9 |
|  | 1981 | 23.4 | 22.6  | 1.8  | 0.5  | 0.8  | 1.5  | 3.3  | 7.4  | 18.4 | 52.5  | 209.3 | 845.8   | 12.3 |
|  | 1979 | 20.1 | 33.0  | 2.0  | 0.6  | 0.8  | 1.5  | 3.2  | 7.1  | 16.4 | 47.8  | 184.2 | 694.9   | 11.2 |
| Diabetes mellitus . . . . . 250  | 1982 | 14.9 | 0.3   | 0.1  | 0.1  | 0.3  | 1.4  | 3.3  | 9.2  | 25.5 | 60.1  | 125.4 | 212.1   | 9.6  |
|  | 1981 | 15.1 | 0.2   | 0.1  | 0.1  | 0.4  | 1.4  | 3.5  | 9.6  | 25.6 | 61.9  | 127.7 | 217.2   | 9.8  |
|  | 1979 | 14.8 | 0.1   | 0.1  | 0.1  | 0.4  | 1.4  | 3.6  | 9.0  | 25.8 | 61.3  | 130.3 | 211.6   | 9.8  |
| Suicide . . . . . E950-E959  | 1982 | 12.2 | ...   | ...  | 0.6  | 12.1 | 16.0 | 15.3 | 16.6 | 16.9 | 17.4  | 20.3  | 17.6    | 11.6 |
|  | 1981 | 12.0 | ...   | ...  | 0.5  | 12.3 | 16.3 | 15.9 | 16.1 | 16.4 | 16.2  | 18.6  | 17.7    | 11.5 |
|  | 1979 | 12.1 | ...   | ...  | 0.4  | 12.4 | 16.3 | 15.4 | 16.5 | 16.6 | 17.8  | 20.8  | 17.9    | 11.7 |
| Chronic liver disease and cirrhosis . . . . . 571                              | 1982 | 11.9 | 0.9   | 0.1  | 0.0  | 0.2  | 3.1  | 10.7 | 25.4 | 36.9 | 40.1  | 31.1  | 17.9    | 10.5 |
|  | 1981 | 12.8 | 0.8   | 0.1  | 0.0  | 0.2  | 3.1  | 12.2 | 28.3 | 39.3 | 42.4  | 31.0  | 20.7    | 11.4 |
|  | 1979 | 13.2 | 1.0   | 0.1  | 0.0  | 0.2  | 3.4  | 13.9 | 31.0 | 40.9 | 41.8  | 28.3  | 18.1    | 12.0 |
| Atherosclerosis . . . . . 440  | 1982 | 11.6 | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 0.1  | 1.0  | 4.5  | 20.6  | 102.9 | 563.0   | 4.8  |
|  | 1981 | 12.2 | -     | 0.0  | -    | 0.0  | 0.0  | 0.2  | 1.0  | 4.5  | 21.4  | 112.1 | 608.7   | 5.2  |
|  | 1979 | 12.8 | 0.1   | -    | -    | 0.0  | 0.0  | 0.1  | 0.9  | 4.8  | 24.4  | 125.3 | 649.1   | 5.7  |
| Homicide and legal intervention . . . . . E960-E978                            | 1982 | 9.6  | 6.7   | 2.7  | 1.2  | 13.7 | 17.3 | 13.3 | 10.2 | 6.5  | 4.9   | 4.7   | 5.8     | 9.7  |
|  | 1981 | 10.3 | 6.1   | 2.6  | 1.3  | 14.7 | 18.5 | 14.4 | 11.3 | 7.1  | 4.8   | 5.3   | 5.3     | 10.4 |
|  | 1979 | 10.0 | 5.0   | 2.5  | 1.1  | 14.5 | 18.2 | 14.3 | 10.8 | 7.0  | 5.4   | 4.8   | 5.0     | 10.2 |
| Certain conditions originating in the perinatal period . . . . . 760-779       | 1982 | 9.0  | 568.0 | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | -     | -       | (3)  |
|  | 1981 | 9.4  | 599.7 | 0.6  | 0.0  | 0.0  | 0.0  | -    | -    | 0.0  | -     | -     | 0.1     | (3)  |
|  | 1979 | 10.4 | 680.7 | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0     | (3)  |
| Nephritis, nephrotic syndrome, and nephrosis . . . . . 580-589                 | 1982 | 7.8  | 7.1   | 0.2  | 0.1  | 0.2  | 0.6  | 1.3  | 3.1  | 9.3  | 25.8  | 69.7  | 182.8   | 4.5  |
|  | 1981 | 7.5  | 7.2   | 0.2  | 0.1  | 0.3  | 0.6  | 1.3  | 3.3  | 8.8  | 25.3  | 68.8  | 172.0   | 4.5  |
|  | 1979 | 7.0  | 6.4   | 0.2  | 0.2  | 0.3  | 0.7  | 1.5  | 3.7  | 8.5  | 23.7  | 64.7  | 155.2   | 4.3  |
| Congenital anomalies . . . . . 740-759   | 1982 | 5.9  | 247.8 | 7.5  | 1.6  | 1.3  | 1.2  | 1.2  | 1.5  | 2.0  | 2.7   | 4.0   | 4.5     | (3)  |
|  | 1981 | 5.9  | 248.5 | 7.6  | 1.6  | 1.4  | 1.3  | 1.2  | 1.5  | 2.0  | 2.6   | 4.0   | 5.0     | (3)  |
|  | 1979 | 6.0  | 260.4 | 8.1  | 1.6  | 1.4  | 1.2  | 1.4  | 1.8  | 2.1  | 2.7   | 3.4   | 5.2     | (3)  |

See footnotes at end of table.

**Table 5. Age-specific and age-adjusted death rates for 15 leading causes and selected components: United States, 1979 and 1981-82—Con.**

[Rates per 100,000 population in specified group]

| Cause of death (Ninth Revision International Classification of Diseases, 1975) | Year | Age                   |              |           |            |             |             |             |             |             |             |             | Age-adjusted rate <sup>2</sup> |                   |
|--|------|-----------------------|--------------|-----------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------|-------------------|
|  |      | All ages <sup>1</sup> | Under 1 year | 1-4 years | 5-14 years | 15-24 years | 25-34 years | 35-44 years | 45-54 years | 55-64 years | 65-74 years | 75-84 years |                                | 85 years and over |
| Septicemia . . . . . 038   | 1982 | 5.0                   | 7.5          | 0.6       | 0.1        | 0.2         | 0.4         | 0.9         | 2.5         | 6.8         | 15.8        | 41.1        | 106.9                          | 3.0               |
|  | 1981 | 4.6                   | 8.4          | 0.7       | 0.1        | 0.2         | 0.5         | 1.0         | 2.5         | 6.3         | 14.4        | 37.7        | 95.1                           | 2.9               |
|  | 1979 | 3.6                   | 7.6          | 0.5       | 0.1        | 0.2         | 0.4         | 0.8         | 2.2         | 4.9         | 12.4        | 29.7        | 70.3                           | 2.3               |

<sup>1</sup>Figures for age not stated included in All ages but not distributed among age groups.  
<sup>2</sup>For method of computation, see Technical notes.  
<sup>3</sup>Because deaths from these causes occur mainly among infants, age-adjusted rates are not shown.

Table 6. Deaths from 72 selected causes by age: United States, 1982

| Cause of death (Ninth Revision International Classification of Diseases, 1975)  | All ages  | Under 1 year | 1-4 years | 5-14 years | 15-24 years | 25-34 years | 35-44 years | 45-54 years | 55-64 years | 65-74 years | 75-84 years | 85 years and over | Not stated |
|---|-----------|--------------|-----------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|------------|
| All causes .....  | 1,974,797 | 42,401       | 7,910     | 9,625      | 41,971      | 49,310      | 58,305      | 123,089     | 287,014     | 465,820     | 521,959     | 366,727           | 666        |
| Shigellosis and amebiasis . . . . . 004,006   | 16        | 3            | -         | -          | 1           | 1           | 1           | -           | 4           | 1           | 4           | 1                 | -          |
| Certain other intestinal infections . . . . . 007-009   | 329       | 137          | 20        | 2          | 4           | 8           | 13          | 5           | 19          | 27          | 50          | 44                | -          |
| Tuberculosis . . . . . 010-018  | 1,807     | 3            | 3         | 4          | 8           | 66          | 116         | 177         | 325         | 433         | 440         | 231               | 1          |
| Tuberculosis of respiratory system . . . . . 010-012  | 1,468     | 1            | -         | -          | 4           | 45          | 87          | 144         | 268         | 362         | 359         | 198               | -          |
| Other tuberculosis . . . . . 013-018  | 339       | 2            | 3         | 4          | 4           | 21          | 29          | 33          | 57          | 71          | 81          | 33                | 1          |
| Whooping cough . . . . . 033  | 4         | 4            | -         | -          | -           | -           | -           | -           | -           | -           | -           | -                 | -          |
| Streptococcal sore throat, scarlatina, and erysipelas . . . . . 034-035   | 18        | -            | 2         | -          | -           | 4           | -           | 2           | 1           | 1           | 2           | 6                 | -          |
| Meningococcal infection . . . . . 036   | 364       | 95           | 78        | 19         | 50          | 20          | 29          | 11          | 22          | 22          | 14          | 4                 | -          |
| Septicemia . . . . . 038  | 11,493    | 274          | 81        | 28         | 72          | 166         | 257         | 558         | 1,504       | 2,553       | 3,390       | 2,606             | 4          |
| Acute poliomyelitis . . . . . 045   | -         | -            | -         | -          | -           | -           | -           | -           | -           | -           | -           | -                 | -          |
| Measles . . . . . 055   | 2         | -            | -         | -          | 1           | -           | -           | 1           | -           | -           | -           | -                 | -          |
| Viral hepatitis . . . . . 070   | 814       | 12           | 13        | 5          | 60          | 88          | 62          | 107         | 160         | 165         | 105         | 36                | 1          |
| Syphilis . . . . . 090-097  | 126       | 10           | -         | -          | 3           | 2           | 4           | 5           | 19          | 29          | 38          | 16                | -          |
| All other infectious and parasitic diseases . . . . . 001-003,005, 020-032,037,039-041,046-054, 056-066,071-088,098-139 | 4,502     | 199          | 110       | 102        | 178         | 285         | 340         | 420         | 722         | 996         | 728         | 422               | -          |
| Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . . . 140-208                        | 433,795   | 135          | 628       | 1,410      | 2,455       | 5,179       | 12,990      | 39,415      | 97,237      | 133,183     | 102,141     | 38,958            | 64         |
| Malignant neoplasms of lip, oral cavity, and pharynx . . . . . 140-149  | 8,528     | 3            | -         | 5          | 40          | 59          | 277         | 1,093       | 2,484       | 2,507       | 1,493       | 563               | 4          |
| Malignant neoplasms of digestive organs and peritoneum. . . . . 150-159   | 112,564   | 19           | 30        | 40         | 152         | 650         | 2,162       | 7,781       | 22,312      | 34,971      | 31,017      | 13,411            | 19         |
| Malignant neoplasms of respiratory and intrathoracic organs. . . . . 160-165  | 116,359   | 6            | 6         | 19         | 51          | 300         | 2,472       | 12,536      | 33,347      | 41,100      | 21,729      | 4,777             | 16         |
| Malignant neoplasm of breast. . . . . 174-175   | 37,685    | 4            | 2         | 5          | 13          | 674         | 2,480       | 5,474       | 9,505       | 9,567       | 6,884       | 3,074             | 3          |
| Malignant neoplasms of genital organs . . . . . 179-187   | 47,547    | 3            | 4         | 15         | 174         | 628         | 1,110       | 2,905       | 7,820       | 14,087      | 14,507      | 6,281             | 13         |
| Malignant neoplasms of urinary organs . . . . . 188-189   | 18,460    | 3            | 24        | 43         | 35          | 92          | 308         | 1,253       | 3,340       | 5,663       | 5,245       | 2,454             | -          |
| Malignant neoplasms of all other and unspecified sites. . . . . 170-173,190-199   | 53,191    | 61           | 335       | 583        | 910         | 1,458       | 2,500       | 5,280       | 11,590      | 14,534      | 11,338      | 4,595             | 7          |
| Leukemia . . . . . 204-208  | 16,704    | 33           | 200       | 566        | 689         | 641         | 762         | 1,132       | 2,440       | 4,102       | 4,221       | 1,918             | -          |
| Other malignant neoplasms of lymphatic and hematopoietic tissues . . . . . 200-203                                      | 22,757    | 3            | 27        | 134        | 391         | 677         | 919         | 1,961       | 4,399       | 6,652       | 5,707       | 1,885             | 2          |
| Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature. . . . . 210-239     | 6,460     | 60           | 56        | 93         | 133         | 176         | 244         | 478         | 1,063       | 1,661       | 1,677       | 818               | 1          |
| Diabetes mellitus . . . . . 250   | 34,583    | 11           | 12        | 40         | 134         | 533         | 922         | 2,060       | 5,643       | 9,711       | 10,339      | 5,170             | 8          |
| Nutritional deficiencies. . . . . 260-269   | 2,430     | 31           | 9         | 3          | 7           | 15          | 19          | 44          | 133         | 362         | 789         | 1,015             | 3          |
| Anemias. . . . . 280-285  | 3,292     | 35           | 69        | 61         | 127         | 134         | 117         | 106         | 262         | 585         | 964         | 832               | -          |
| Meningitis . . . . . 320-322  | 1,282     | 331          | 187       | 46         | 29          | 54          | 56          | 82          | 138         | 149         | 128         | 82                | -          |

Table 6. Deaths from 72 selected causes by age: United States, 1982—Con.

| <i>Cause of death</i> (Ninth Revision International Classification of Diseases, 1975)         | <i>All ages</i> | <i>Under 1 year</i> | <i>1-4 years</i> | <i>5-14 years</i> | <i>15-24 years</i> | <i>25-34 years</i> | <i>35-44 years</i> | <i>45-54 years</i> | <i>55-64 years</i> | <i>65-74 years</i> | <i>75-84 years</i> | <i>85 years and over</i> | <i>Not stated</i> |
|---|-----------------|---------------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|-------------------|
| Major cardiovascular diseases..... 390-448  | 967,868         | 922                 | 364              | 495               | 1,494              | 4,383              | 13,993             | 44,526             | 121,302            | 229,480            | 304,035            | 246,653                  | 221               |
| Diseases of heart . . . . . 390-398,402,404-429   | 755,592         | 769                 | 311              | 360               | 1,112              | 3,223              | 11,450             | 37,934             | 103,633            | 186,704            | 231,000            | 178,920                  | 176               |
| Rheumatic fever and rheumatic heart disease..... 390-398                                      | 7,053           | 6                   | 7                | 15                | 63                 | 140                | 261                | 589                | 1,482              | 2,244              | 1,657              | 587                      | 2                 |
| Hypertensive heart disease... 402   | 20,779          | 3                   | 1                | 1                 | 19                 | 131                | 451                | 1,444              | 3,306              | 5,258              | 6,142              | 4,009                    | 14                |
| Hypertensive heart and renal disease . . . . . 404  | 3,028           | 1                   | -                | -                 | 4                  | 26                 | 24                 | 68                 | 241                | 594                | 1,076              | 993                      | 1                 |
| Ischemic heart disease... 410-414   | 552,786         | 30                  | 21               | 46                | 131                | 1,295              | 7,456              | 27,497             | 77,004             | 140,770            | 171,001            | 127,419                  | 116               |
| Acute myocardial infarction..... 410  | 291,031         | 20                  | 11               | 26                | 90                 | 816                | 4,907              | 18,195             | 49,920             | 85,542             | 86,793             | 44,666                   | 45                |
| Other acute and subacute forms of ischemic heart disease . . . . . 411                        | 4,120           | -                   | -                | -                 | 6                  | 31                 | 132                | 412                | 875                | 1,121              | 947                | 593                      | 3                 |
| Angina pectoris . . . . . 413   | 605             | -                   | -                | -                 | 1                  | 5                  | 7                  | 36                 | 83                 | 154                | 220                | 99                       | -                 |
| Old myocardial infarction and other forms of chronic ischemic heart disease . . . . . 412,414 | 257,030         | 10                  | 10               | 20                | 34                 | 443                | 2,410              | 8,854              | 26,126             | 53,953             | 83,041             | 82,061                   | 68                |
| Other diseases of endocardium..... 424  | 7,793           | 16                  | 10               | 12                | 45                 | 100                | 146                | 361                | 933                | 1,863              | 2,711              | 1,595                    | 1                 |
| All other forms of heart disease . . . . . 415-423,425-429                                    | 164,153         | 713                 | 272              | 286               | 850                | 1,531              | 3,112              | 7,975              | 20,667             | 35,975             | 48,413             | 44,317                   | 42                |
| Hypertension with or without renal disease . . . . . 401,403                                  | 7,571           | 5                   | -                | 4                 | 11                 | 49                 | 110                | 334                | 894                | 1,739              | 2,395              | 2,027                    | 3                 |
| Cerebrovascular diseases... 430-438   | 157,710         | 133                 | 43               | 110               | 295                | 943                | 2,157              | 5,309              | 13,024             | 31,246             | 55,667             | 48,759                   | 24                |
| Intracerebral and other intracranial hemorrhage..... 431-432                                  | 19,895          | 86                  | 14               | 51                | 109                | 333                | 755                | 1,844              | 3,285              | 4,961              | 5,575              | 2,876                    | 6                 |
| Cerebral thrombosis and unspecified occlusion of cerebral arteries . . . . . 434.0,434.9      | 28,361          | 12                  | 6                | 10                | 23                 | 48                 | 122                | 520                | 1,793              | 5,234              | 10,561             | 10,027                   | 5                 |
| Cerebral embolism . . . . . 434.1   | 759             | -                   | -                | -                 | 4                  | 5                  | 8                  | 29                 | 76                 | 188                | 268                | 181                      | -                 |
| All other and late effects of cerebrovascular diseases . . . . . 430,433,435-438              | 108,695         | 35                  | 23               | 49                | 159                | 557                | 1,272              | 2,916              | 7,870              | 20,863             | 39,263             | 35,675                   | 13                |
| Atherosclerosis..... 440  | 26,823          | 1                   | 3                | 4                 | 2                  | 9                  | 42                 | 219                | 991                | 3,332              | 8,486              | 13,720                   | 14                |
| Other diseases of arteries, arterioles, and capillaries..... 441-448                          | 20,172          | 14                  | 7                | 17                | 74                 | 159                | 234                | 730                | 2,760              | 6,459              | 6,487              | 3,227                    | 4                 |
| Acute bronchitis and bronchiolitis . . . . . 466  | 503             | 74                  | 27               | 6                 | 8                  | 16                 | 12                 | 21                 | 37                 | 59                 | 116                | 127                      | -                 |
| Pneumonia and influenza... 480-487  | 48,886          | 756                 | 230              | 142               | 310                | 551                | 775                | 1,461              | 3,616              | 7,677              | 15,127             | 18,225                   | 16                |
| Pneumonia..... 480-486  | 48,159          | 748                 | 226              | 137               | 306                | 544                | 762                | 1,446              | 3,576              | 7,591              | 14,930             | 17,877                   | 16                |
| Influenza..... 487  | 727             | 8                   | 4                | 5                 | 4                  | 7                  | 13                 | 15                 | 40                 | 86                 | 197                | 348                      | -                 |
| Chronic obstructive pulmonary diseases and allied conditions . . . . . 490-496                | 59,869          | 61                  | 59               | 87                | 201                | 223                | 447                | 2,128              | 9,225              | 21,185             | 19,464             | 6,776                    | 13                |
| Bronchitis, chronic and unspecified . . . . . 490-491   | 3,495           | 41                  | 24               | 6                 | 17                 | 14                 | 33                 | 130                | 468                | 1,053              | 1,109              | 599                      | 1                 |
| Emphysema . . . . . 492   | 12,793          | 2                   | -                | -                 | 5                  | 9                  | 70                 | 474                | 2,194              | 4,845              | 4,034              | 1,156                    | 4                 |
| Asthma . . . . . 493  | 3,154           | 8                   | 26               | 70                | 162                | 169                | 176                | 341                | 582                | 793                | 593                | 234                      | -                 |
| Other chronic obstructive pulmonary diseases and allied conditions . . . . . 494-496          | 40,427          | 10                  | 9                | 11                | 17                 | 31                 | 168                | 1,183              | 5,981              | 14,494             | 13,728             | 4,787                    | 8                 |

|  |         |        |       |       |        |        |       |       |        |        |        |        |     |
|--|---------|--------|-------|-------|--------|--------|-------|-------|--------|--------|--------|--------|-----|
| Ulcer of stomach and duodenum . . . . . 531-533  | 6,738   | 13     | 2     | 7     | 16     | 70     | 129   | 323   | 851    | 1,599  | 2,139  | 1,586  | 3   |
| Appendicitis . . . . . 540-543   | 529     | 7      | 9     | 29    | 12     | 9      | 21    | 38    | 83     | 113    | 122    | 86     | -   |
| Hernia of abdominal cavity and intestinal obstruction without mention of hernia. . . . . 550-553,560   | 5,054   | 130    | 29    | 15    | 38     | 43     | 74    | 178   | 407    | 911    | 1,597  | 1,631  | 1   |
| Chronic liver disease and cirrhosis. . . 571   | 27,690  | 31     | 10    | 15    | 87     | 1,202  | 3,007 | 5,694 | 8,160  | 6,474  | 2,566  | 437    | 7   |
| Cholelithiasis and other disorders of gallbladder . . . . . 574-575  | 2,941   | 2      | -     | 3     | 8      | 15     | 42    | 108   | 262    | 665    | 978    | 858    | -   |
| Nephritis, nephrotic syndrome, and nephrosis. . . . . 580-589  | 18,102  | 260    | 28    | 32    | 81     | 225    | 365   | 689   | 2,057  | 4,163  | 5,744  | 4,455  | 3   |
| Acute glomerulonephritis and nephrotic syndrome . . . . 580-581  | 309     | 8      | 3     | 4     | 1      | 6      | 6     | 19    | 42     | 63     | 104    | 53     | -   |
| Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified . . . . . 582-583,587 | 1,946   | 7      | 4     | 4     | 19     | 48     | 56    | 97    | 218    | 433    | 613    | 447    | -   |
| Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause. . . . . 584-586,588-589                      | 15,847  | 245    | 21    | 24    | 61     | 171    | 303   | 573   | 1,797  | 3,667  | 5,027  | 3,955  | 3   |
| Infections of kidney . . . . . 590   | 2,218   | 8      | 1     | 3     | 7      | 22     | 27    | 71    | 162    | 418    | 786    | 713    | -   |
| Hyperplasia of prostate . . . . . 600  | 655     | -      | -     | -     | -      | -      | -     | 1     | 23     | 105    | 241    | 285    | -   |
| Complications of pregnancy, childbirth, and the puerperium. . . . . 630-676  | 292     | ...    | ...   | 2     | 86     | 157    | 45    | 2     | ...    | ...    | ...    | ...    | ... |
| Pregnancy with abortive outcome. . . . . 630-638   | 55      | ...    | ...   | -     | 19     | 27     | 8     | 1     | ...    | ...    | ...    | ...    | ... |
| Other complications of pregnancy, childbirth, and the puerperium . . . . . 640-676   | 237     | ...    | ...   | 2     | 67     | 130    | 37    | 1     | ...    | ...    | ...    | ...    | ... |
| Congenital anomalies . . . . . 740-759   | 13,604  | 9,024  | 1,028 | 553   | 560    | 453    | 331   | 333   | 436    | 439    | 330    | 110    | 7   |
| Certain conditions originating in the perinatal period. . . . . 760-779  | 20,794  | 20,685 | 77    | 7     | 9      | 5      | 2     | 2     | 1      | 2      | -      | -      | 4   |
| Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome. . . . . 767-769   | 6,183   | 6,144  | 24    | 2     | 3      | 5      | 2     | 1     | 1      | 1      | -      | -      | -   |
| Other conditions originating in the perinatal period . . . . . 760-766,770-779   | 14,611  | 14,541 | 53    | 5     | 6      | -      | -     | 1     | -      | 1      | -      | -      | 4   |
| Symptoms, signs, and ill-defined conditions . . . . . 780-799  | 29,814  | 5,933  | 269   | 147   | 961    | 1,645  | 1,392 | 1,995 | 3,516  | 4,778  | 4,990  | 4,118  | 70  |
| All other diseases. . . . . Residual   | 120,029 | 1,815  | 981   | 1,099 | 2,246  | 3,657  | 4,738 | 8,013 | 15,870 | 25,852 | 32,162 | 23,565 | 31  |
| Accidents and adverse effects . . . . . E800-E949  | 94,082  | 1,024  | 3,084 | 4,504 | 21,306 | 15,941 | 9,194 | 7,654 | 8,253  | 8,224  | 8,564  | 6,237  | 97  |
| Motor vehicle accidents. . . . . E810-E825   | 45,779  | 210    | 1,090 | 2,301 | 15,324 | 9,491  | 4,978 | 3,524 | 3,355  | 2,825  | 2,074  | 578    | 29  |
| All other accidents and adverse effects. . . . . E800-E807,E826-E949   | 48,303  | 814    | 1,994 | 2,203 | 5,982  | 6,450  | 4,216 | 4,130 | 4,898  | 5,399  | 6,490  | 5,659  | 68  |
| Suicide. . . . . E950-E959   | 28,242  | ...    | ...   | 200   | 5,025  | 6,316  | 4,315 | 3,710 | 3,741  | 2,812  | 1,678  | 429    | 16  |
| Homicide and legal intervention. . . . . E960-E978   | 22,358  | 243    | 377   | 403   | 5,695  | 6,813  | 3,729 | 2,285 | 1,428  | 794    | 386    | 141    | 64  |
| All other external causes. . . . . E980-E999   | 3,212   | 73     | 67    | 63    | 559    | 833    | 497   | 386   | 332    | 192    | 125    | 54     | 31  |

**Table 7. Death rates for 72 selected causes by age: United States, 1982**

[Rates per 100,000 population in specified group]

| <i>Cause of death</i> (Ninth Revision International Classification of Diseases, 1975)                                 | <i>All ages</i> <sup>1</sup> | <i>Under 1 year</i> | <i>1-4 years</i> | <i>5-14 years</i> | <i>15-24 years</i> | <i>25-34 years</i> | <i>35-44 years</i> | <i>45-54 years</i> | <i>55-64 years</i> | <i>65-74 years</i> | <i>75-84 years</i> | <i>85 years and over</i> |
|---|------------------------------|---------------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|
| All causes . . . . .  | 852.0                        | 1,164.2             | 57.6             | 28.3              | 101.0              | 125.2              | 207.4              | 549.7              | 1,297.9            | 2,885.2            | 6,329.8            | 15,048.3                 |
| Shigellosis and amebiasis . . . . . 004,006   | 0.0                          | 0.1                 | -                | -                 | 0.0                | 0.0                | 0.0                | -                  | 0.0                | 0.0                | 0.0                | 0.0                      |
| Certain other intestinal infections . . . . . 007-009   | 0.1                          | 3.8                 | 0.1              | 0.0               | 0.0                | 0.0                | 0.0                | 0.0                | 0.1                | 0.2                | 0.6                | 1.8                      |
| Tuberculosis . . . . . 010-018  | 0.8                          | 0.1                 | 0.0              | 0.0               | 0.0                | 0.2                | 0.4                | 0.8                | 1.5                | 2.7                | 5.3                | 9.5                      |
| Tuberculosis of respiratory system . . . . . 010-012  | 0.6                          | 0.0                 | -                | -                 | 0.0                | 0.1                | 0.3                | 0.6                | 1.2                | 2.2                | 4.4                | 8.1                      |
| Other tuberculosis . . . . . 013-018  | 0.1                          | 0.1                 | 0.0              | 0.0               | 0.0                | 0.1                | 0.1                | 0.1                | 0.3                | 0.4                | 1.0                | 1.4                      |
| Whooping cough . . . . . 033  | 0.0                          | 0.1                 | -                | -                 | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                        |
| Streptococcal sore throat, scarlatina, and erysipelas . . . . . 034-035   | 0.0                          | -                   | 0.0              | -                 | -                  | 0.0                | -                  | 0.0                | 0.0                | 0.0                | 0.0                | 0.2                      |
| Meningococcal infection . . . . . 036   | 0.2                          | 2.6                 | 0.6              | 0.1               | 0.1                | 0.1                | 0.1                | 0.0                | 0.1                | 0.1                | 0.2                | 0.2                      |
| Septicemia . . . . . 038  | 5.0                          | 7.5                 | 0.6              | 0.1               | 0.2                | 0.4                | 0.9                | 2.5                | 6.8                | 15.8               | 41.1               | 106.9                    |
| Acute poliomyelitis . . . . . 045   | -                            | -                   | -                | -                 | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                        |
| Measles . . . . . 055   | 0.0                          | -                   | -                | -                 | 0.0                | -                  | -                  | 0.0                | -                  | -                  | -                  | -                        |
| Viral hepatitis . . . . . 070   | 0.4                          | 0.3                 | 0.1              | 0.0               | 0.1                | 0.2                | 0.2                | 0.5                | 0.7                | 1.0                | 1.3                | 1.5                      |
| Syphilis . . . . . 090-097  | 0.1                          | 0.3                 | -                | -                 | 0.0                | 0.0                | 0.0                | 0.0                | 0.1                | 0.2                | 0.5                | 0.7                      |
| All other infectious and parasitic diseases . . . . . 001-003,005,020-032,037,039-041,046-054,056-066,071-088,098-139 | 1.9                          | 5.5                 | 0.8              | 0.3               | 0.4                | 0.7                | 1.2                | 1.9                | 3.3                | 6.2                | 8.8                | 17.3                     |
| Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . . . . 140-208                     | 187.2                        | 3.7                 | 4.6              | 4.1               | 5.9                | 13.2               | 46.2               | 176.0              | 439.7              | 824.9              | 1,238.7            | 1,598.6                  |
| Malignant neoplasms of lip, oral cavity, and pharynx . . . . . 140-149  | 3.7                          | 0.1                 | -                | 0.0               | 0.1                | 0.1                | 1.0                | 4.9                | 11.2               | 15.5               | 18.1               | 23.1                     |
| Malignant neoplasms of digestive organs and peritoneum . . . . . 150-159  | 48.6                         | 0.5                 | 0.2              | 0.1               | 0.4                | 1.7                | 7.7                | 34.7               | 100.9              | 216.6              | 376.1              | 550.3                    |
| Malignant neoplasms of respiratory and intrathoracic organs . . . . . 160-165   | 50.2                         | 0.2                 | 0.0              | 0.1               | 0.1                | 0.8                | 8.8                | 56.0               | 150.8              | 254.6              | 263.5              | 196.0                    |
| Malignant neoplasm of breast . . . . . 174-175  | 16.3                         | 0.1                 | 0.0              | 0.0               | 0.0                | 1.7                | 8.8                | 24.4               | 43.0               | 59.3               | 83.5               | 126.1                    |
| Malignant neoplasms of genital organs . . . . . 179-187   | 20.5                         | 0.1                 | 0.0              | 0.0               | 0.4                | 1.6                | 3.9                | 13.0               | 35.4               | 87.3               | 175.9              | 257.7                    |
| Malignant neoplasms of urinary organs . . . . . 188-189   | 8.0                          | 0.1                 | 0.2              | 0.1               | 0.1                | 0.2                | 1.1                | 5.6                | 15.1               | 35.1               | 63.6               | 100.7                    |
| Malignant neoplasms of all other and unspecified sites . . . . . 170-173,190-199                                      | 22.9                         | 1.7                 | 2.4              | 1.7               | 2.2                | 3.7                | 8.9                | 23.6               | 52.4               | 90.0               | 137.5              | 188.6                    |
| Leukemia . . . . . 204-208  | 7.2                          | 0.9                 | 1.5              | 1.7               | 1.7                | 1.6                | 2.7                | 5.1                | 11.0               | 25.4               | 51.2               | 78.7                     |
| Other malignant neoplasms of lymphatic and hematopoietic tissues . . . . . 200-203                                    | 9.8                          | 0.1                 | 0.2              | 0.4               | 0.9                | 1.7                | 3.3                | 8.8                | 19.9               | 41.2               | 69.2               | 77.3                     |
| Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature . . . . . 210-239  | 2.8                          | 1.6                 | 0.4              | 0.3               | 0.3                | 0.4                | 0.9                | 2.1                | 4.8                | 10.3               | 20.3               | 33.6                     |
| Diabetes mellitus . . . . . 250   | 14.9                         | 0.3                 | 0.1              | 0.1               | 0.3                | 1.4                | 3.3                | 9.2                | 25.5               | 60.1               | 125.4              | 212.1                    |
| Nutritional deficiencies . . . . . 260-269  | 1.0                          | 0.9                 | 0.1              | 0.0               | 0.0                | 0.0                | 0.1                | 0.2                | 0.6                | 2.2                | 9.6                | 41.6                     |
| Anemias . . . . . 280-285   | 1.4                          | 1.0                 | 0.5              | 0.2               | 0.3                | 0.3                | 0.4                | 0.5                | 1.2                | 3.6                | 11.7               | 34.1                     |
| Meningitis . . . . . 320-322  | 0.6                          | 9.1                 | 1.4              | 0.1               | 0.1                | 0.1                | 0.2                | 0.4                | 0.6                | 0.9                | 1.6                | 3.4                      |
| Major cardiovascular diseases . . . . . 390-448   | 417.6                        | 25.3                | 2.7              | 1.5               | 3.6                | 11.1               | 49.8               | 198.8              | 548.6              | 1,421.4            | 3,687.1            | 10,121.2                 |
| Diseases of heart . . . . . 390-398,402,404-429   | 326.0                        | 21.1                | 2.3              | 1.1               | 2.7                | 8.2                | 40.7               | 169.4              | 468.7              | 1,156.4            | 2,801.4            | 7,341.8                  |
| Rheumatic fever and rheumatic heart disease . . . . . 390-398   | 3.0                          | 0.2                 | 0.1              | 0.0               | 0.2                | 0.4                | 0.9                | 2.6                | 6.7                | 13.9               | 20.1               | 24.1                     |
| Hypertensive heart disease . . . . . 402  | 9.0                          | 0.1                 | 0.0              | 0.0               | 0.0                | 0.3                | 1.6                | 6.4                | 15.0               | 32.6               | 74.5               | 164.5                    |
| Hypertensive heart and renal disease . . . . . 404  | 1.3                          | 0.0                 | -                | -                 | 0.0                | 0.1                | 0.1                | 0.3                | 1.1                | 3.7                | 13.0               | 40.7                     |
| Ischemic heart disease . . . . . 410-414  | 238.5                        | 0.8                 | 0.2              | 0.1               | 0.3                | 3.3                | 26.5               | 122.8              | 348.2              | 871.9              | 2,073.7            | 5,228.5                  |
| Acute myocardial infarction . . . . . 410   | 125.6                        | 0.5                 | 0.1              | 0.1               | 0.2                | 2.1                | 17.5               | 81.3               | 225.7              | 529.8              | 1,052.5            | 1,832.8                  |
| Other acute and subacute forms of ischemic heart disease . . . . . 411  | 1.8                          | -                   | -                | -                 | 0.0                | 0.1                | 0.5                | 1.8                | 4.0                | 6.9                | 11.5               | 24.3                     |
| Angina pectoris . . . . . 413   | 0.3                          | -                   | -                | -                 | 0.0                | 0.0                | 0.0                | 0.2                | 0.4                | 1.0                | 2.7                | 4.1                      |



|  |                 |       |       |     |     |     |     |      |      |       |       |         |         |
|--|-----------------|-------|-------|-----|-----|-----|-----|------|------|-------|-------|---------|---------|
| Old myocardial infarction and other forms of chronic ischemic heart disease . . . . .  | 412,414         | 110.9 | 0.3   | 0.1 | 0.1 | 0.1 | 1.1 | 8.6  | 39.5 | 118.1 | 334.2 | 1,007.0 | 3,367.3 |
| Other diseases of endocardium . . . . .  | 424             | 3.4   | 0.4   | 0.1 | 0.0 | 0.1 | 0.3 | 0.5  | 1.6  | 4.2   | 11.5  | 32.9    | 65.4    |
| All other forms of heart disease . . . . .   | 415-423,425-429 | 70.8  | 19.6  | 2.0 | 0.8 | 2.0 | 3.9 | 11.1 | 35.6 | 93.5  | 222.8 | 587.1   | 1,818.5 |
| Hypertension with or without renal disease . . . . .   | 401,403         | 3.3   | 0.1   | -   | 0.0 | 0.0 | 0.1 | 0.4  | 1.5  | 4.0   | 10.8  | 29.0    | 83.2    |
| Cerebrovascular diseases . . . . .   | 430-438         | 68.0  | 3.7   | 0.3 | 0.3 | 0.7 | 2.4 | 7.7  | 23.7 | 58.9  | 193.5 | 675.1   | 2,000.8 |
| Intracerebral and other intracranial hemorrhage . . . . .  | 431-432         | 8.6   | 2.4   | 0.1 | 0.1 | 0.3 | 0.8 | 2.7  | 8.2  | 14.9  | 30.7  | 67.6    | 118.0   |
| Cerebral thrombosis and unspecified occlusion of cerebral arteries . . . . .   | 434.0,434.9     | 12.2  | 0.3   | 0.0 | 0.0 | 0.1 | 0.1 | 0.4  | 2.3  | 8.1   | 32.4  | 128.1   | 411.4   |
| Cerebral embolism . . . . .  | 434.1           | 0.3   | -     | -   | -   | 0.0 | 0.0 | 0.0  | 0.1  | 0.3   | 1.2   | 3.3     | 7.4     |
| All other and late effects of cerebrovascular diseases . . . . .   | 430,433,435-438 | 46.9  | 1.0   | 0.2 | 0.1 | 0.4 | 1.4 | 4.5  | 13.0 | 35.6  | 129.2 | 476.1   | 1,463.9 |
| Atherosclerosis . . . . .  | 440             | 11.6  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.1  | 1.0  | 4.5   | 20.6  | 102.9   | 563.0   |
| Other diseases of arteries, arterioles, and capillaries . . . . .  | 441-448         | 8.7   | 0.4   | 0.1 | 0.0 | 0.2 | 0.4 | 0.8  | 3.3  | 12.5  | 40.0  | 78.7    | 132.4   |
| Acute bronchitis and bronchiolitis . . . . .   | 466             | 0.2   | 2.0   | 0.2 | 0.0 | 0.0 | 0.0 | 0.0  | 0.1  | 0.2   | 0.4   | 1.4     | 5.2     |
| Pneumonia and influenza . . . . .  | 480-487         | 21.1  | 20.8  | 1.7 | 0.4 | 0.7 | 1.4 | 2.8  | 6.5  | 16.4  | 47.6  | 183.4   | 747.8   |
| Pneumonia . . . . .  | 480-486         | 20.8  | 20.5  | 1.6 | 0.4 | 0.7 | 1.4 | 2.7  | 6.5  | 16.2  | 47.0  | 181.1   | 733.6   |
| Influenza . . . . .  | 487             | 0.3   | 0.2   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.1  | 0.2   | 0.5   | 2.4     | 14.3    |
| Chronic obstructive pulmonary diseases and allied conditions . . . . .   | 490-496         | 25.8  | 1.7   | 0.4 | 0.3 | 0.5 | 0.6 | 1.6  | 9.5  | 41.7  | 131.2 | 236.0   | 278.0   |
| Bronchitis, chronic and unspecified . . . . .  | 490-491         | 1.5   | 1.1   | 0.2 | 0.0 | 0.0 | 0.0 | 0.1  | 0.6  | 2.1   | 6.5   | 13.4    | 24.6    |
| Emphysema . . . . .  | 492             | 5.5   | 0.1   | -   | -   | 0.0 | 0.0 | 0.2  | 2.1  | 9.9   | 30.0  | 48.9    | 47.4    |
| Asthma . . . . .   | 493             | 1.4   | 0.2   | 0.2 | 0.2 | 0.4 | 0.4 | 0.6  | 1.5  | 2.6   | 4.9   | 7.2     | 9.6     |
| Other chronic obstructive pulmonary diseases and allied conditions . . . . .   | 494-496         | 17.4  | 0.3   | 0.1 | 0.0 | 0.0 | 0.1 | 0.6  | 5.3  | 27.0  | 89.8  | 166.5   | 196.4   |
| Ulcer of stomach and duodenum . . . . .  | 531-533         | 2.9   | 0.4   | 0.0 | 0.0 | 0.0 | 0.2 | 0.5  | 1.4  | 3.8   | 9.9   | 25.9    | 65.1    |
| Appendicitis . . . . .   | 540-543         | 0.2   | 0.2   | 0.1 | 0.1 | 0.0 | 0.0 | 0.1  | 0.2  | 0.4   | 0.7   | 1.5     | 3.5     |
| Hernia of abdominal cavity and intestinal obstruction without mention of hernia . . . . .  | 550-553,560     | 2.2   | 3.6   | 0.2 | 0.0 | 0.1 | 0.1 | 0.3  | 0.8  | 1.8   | 5.6   | 19.4    | 66.9    |
| Chronic liver disease and cirrhosis . . . . .  | 571             | 11.9  | 0.9   | 0.1 | 0.0 | 0.2 | 3.1 | 10.7 | 25.4 | 36.9  | 40.1  | 31.1    | 17.9    |
| Cholelithiasis and other disorders of gallbladder . . . . .  | 574-575         | 1.3   | 0.1   | -   | 0.0 | 0.0 | 0.0 | 0.1  | 0.5  | 1.2   | 4.1   | 11.9    | 35.2    |
| Nephritis, nephrotic syndrome, and nephrosis . . . . .   | 580-589         | 7.8   | 7.1   | 0.2 | 0.1 | 0.2 | 0.6 | 1.3  | 3.1  | 9.3   | 25.8  | 69.7    | 182.8   |
| Acute glomerulonephritis and nephrotic syndrome . . . . .  | 580-581         | 0.1   | 0.2   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.1  | 0.2   | 0.4   | 1.3     | 2.2     |
| Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified . . . . . | 582-583,587     | 0.8   | 0.2   | 0.0 | 0.0 | 0.0 | 0.1 | 0.2  | 0.4  | 1.0   | 2.7   | 7.4     | 18.3    |
| Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause . . . . .                         | 584-586,588-589 | 6.8   | 6.7   | 0.2 | 0.1 | 0.1 | 0.4 | 1.1  | 2.6  | 8.1   | 22.7  | 61.0    | 162.3   |
| Infections of kidney . . . . .   | 590             | 1.0   | 0.2   | 0.0 | 0.0 | 0.0 | 0.1 | 0.1  | 0.3  | 0.7   | 2.6   | 9.5     | 29.3    |
| Hyperplasia of prostate . . . . .  | 600             | 0.3   | -     | -   | -   | -   | -   | -    | 0.0  | 0.1   | 0.7   | 2.9     | 11.7    |
| Complications of pregnancy, childbirth, and the puerperium . . . . .   | 630-676         | 0.1   | ...   | ... | 0.0 | 0.2 | 0.4 | 0.2  | 0.0  | ...   | ...   | ...     | ...     |
| Pregnancy with abortive outcome . . . . .  | 630-638         | 0.0   | ...   | ... | -   | 0.0 | 0.1 | 0.0  | 0.0  | ...   | ...   | ...     | ...     |
| Other complications of pregnancy, childbirth, and the puerperium . . . . .   | 640-676         | 0.1   | ...   | ... | 0.0 | 0.2 | 0.3 | 0.1  | 0.0  | ...   | ...   | ...     | ...     |
| Congenital anomalies . . . . .   | 740-759         | 5.9   | 247.8 | 7.5 | 1.6 | 1.3 | 1.2 | 1.2  | 1.5  | 2.0   | 2.7   | 4.0     | 4.5     |
| Certain conditions originating in the perinatal period . . . . .   | 760-779         | 9.0   | 568.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0   | 0.0   | -       | -       |
| Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome . . . . .                                      | 767-769         | 2.7   | 168.7 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0   | 0.0   | -       | -       |
| Other conditions originating in the perinatal period . . . . .   | 760-766,770-779 | 6.3   | 399.3 | 0.4 | 0.0 | 0.0 | -   | -    | 0.0  | -     | 0.0   | -       | -       |

<sup>1</sup>Figures for age not stated included in All ages but not distributed among age groups.

**Table 7. Death rates for 72 selected causes by age: United States, 1982—Con.**

[Rates per 100,000 population in specified group]

| <i>Cause of death</i> (Ninth Revision International Classification of Diseases, 1975) | <i>All ages</i> <sup>1</sup> | <i>Under 1 year</i> | <i>1-4 years</i> | <i>5-14 years</i> | <i>15-24 years</i> | <i>25-34 years</i> | <i>35-44 years</i> | <i>45-54 years</i> | <i>55-64 years</i> | <i>65-74 years</i> | <i>75-84 years</i> | <i>85 years and over</i> |
|---|------------------------------|---------------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|
| Symptoms, signs, and ill-defined conditions . . . . 780-799                           | 12.9                         | 162.9               | 2.0              | 0.4               | 2.3                | 4.2                | 5.0                | 8.9                | 15.9               | 29.6               | 60.5               | 169.0                    |
| All other diseases . . . . . Residual   | 51.8                         | 49.8                | 7.1              | 3.2               | 5.4                | 9.3                | 16.9               | 35.8               | 71.8               | 160.1              | 390.0              | 967.0                    |
| Accidents and adverse effects . . . . . E800-E949                                     | 40.6                         | 28.1                | 22.5             | 13.2              | 51.2               | 40.5               | 32.7               | 34.2               | 37.3               | 50.9               | 103.9              | 255.9                    |
| Motor vehicle accidents . . . . . E810-E825   | 19.8                         | 5.8                 | 7.9              | 6.8               | 36.9               | 24.1               | 17.7               | 15.7               | 15.2               | 17.5               | 25.2               | 23.7                     |
| All other accidents and adverse effects . . . . . E800-E807, E826-E949                | 20.8                         | 22.4                | 14.5             | 6.5               | 14.4               | 16.4               | 15.0               | 18.4               | 22.1               | 33.4               | 78.7               | 232.2                    |
| Suicide . . . . . E950-E959   | 12.2                         | ...                 | ...              | 0.6               | 12.1               | 16.0               | 15.3               | 16.6               | 16.9               | 17.4               | 20.3               | 17.6                     |
| Homicide and legal intervention . . . . . E960-E978                                   | 9.6                          | 6.7                 | 2.7              | 1.2               | 13.7               | 17.3               | 13.3               | 10.2               | 6.5                | 4.9                | 4.7                | 5.8                      |
| All other external causes . . . . . E980-E999   | 1.4                          | 2.0                 | 0.5              | 0.2               | 1.3                | 2.1                | 1.8                | 1.7                | 1.5                | 1.2                | 1.5                | 2.2                      |

<sup>1</sup>Figures for age not stated included in All ages but not distributed among age groups.

Table 8. Deaths from 72 selected causes by race and sex: United States, 1982

| Cause of death (Ninth Revision International Classification of Diseases, 1975)  | All races  |           |         | White      |         |         | All other  |         |         |            |         |         |
|---|------------|-----------|---------|------------|---------|---------|------------|---------|---------|------------|---------|---------|
|   | Both sexes | Male      | Female  | Both sexes | Male    | Female  | Total      |         |         | Black      |         |         |
|   |            |           |         |            |         |         | Both sexes | Male    | Female  | Both sexes | Male    | Female  |
| All causes . . . . .  | 1,974,797  | 1,056,440 | 918,357 | 1,729,085  | 919,239 | 809,846 | 245,712    | 137,201 | 108,511 | 226,513    | 125,610 | 100,903 |
| Shigellosis and amebiasis . . . . . 004,006   | 16         | 8         | 8       | 12         | 5       | 7       | 4          | 3       | 1       | 3          | 3       | -       |
| Certain other intestinal infections . . . . . 007-009   | 329        | 148       | 181     | 233        | 103     | 130     | 96         | 45      | 51      | 87         | 39      | 48      |
| Tuberculosis . . . . . 010-018  | 1,807      | 1,202     | 605     | 1,135      | 745     | 390     | 672        | 457     | 215     | 587        | 412     | 175     |
| Tuberculosis of respiratory system . . . . . 010-012  | 1,468      | 1,014     | 454     | 962        | 647     | 315     | 506        | 367     | 139     | 444        | 328     | 116     |
| Other tuberculosis . . . . . 013-018  | 339        | 188       | 151     | 173        | 98      | 75      | 166        | 90      | 76      | 143        | 84      | 59      |
| Whooping cough . . . . . 033  | 4          | 2         | 2       | 4          | 2       | 2       | -          | -       | -       | -          | -       | -       |
| Streptococcal sore throat, scarlatina, and erysipelas . . . . . 034-035   | 18         | 11        | 7       | 14         | 8       | 6       | 4          | 3       | 1       | 2          | 1       | 1       |
| Meningococcal infection . . . . . 036   | 364        | 177       | 187     | 282        | 132     | 150     | 82         | 45      | 37      | 75         | 44      | 31      |
| Septicemia . . . . . 038  | 11,493     | 5,469     | 6,024   | 9,192      | 4,357   | 4,835   | 2,301      | 1,112   | 1,189   | 2,162      | 1,046   | 1,116   |
| Acute poliomyelitis . . . . . 045   | -          | -         | -       | -          | -       | -       | -          | -       | -       | -          | -       | -       |
| Measles . . . . . 055   | 2          | 1         | 1       | 2          | 1       | 1       | -          | -       | -       | -          | -       | -       |
| Viral hepatitis . . . . . 070   | 814        | 444       | 370     | 646        | 360     | 286     | 168        | 84      | 84      | 125        | 56      | 69      |
| Syphilis . . . . . 090-097  | 126        | 76        | 50      | 84         | 47      | 37      | 42         | 29      | 13      | 40         | 28      | 12      |
| All other infectious and parasitic diseases . . . . . 001-003,005, 020-032,037,039-041,046-054, 056-066,071-088,098-139 | 4,502      | 2,351     | 2,151   | 3,636      | 1,881   | 1,755   | 866        | 470     | 396     | 778        | 416     | 362     |
| Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . . . . 140-208                       | 433,795    | 233,864   | 199,931 | 382,652    | 204,477 | 178,175 | 51,143     | 29,387  | 21,756  | 47,316     | 27,226  | 20,090  |
| Malignant neoplasms of lip, oral cavity, and pharynx . . . . . 140-149  | 8,528      | 5,856     | 2,672   | 7,158      | 4,833   | 2,325   | 1,370      | 1,023   | 347     | 1,257      | 945     | 312     |
| Malignant neoplasms of digestive organs and peritoneum . . . . . 150-159  | 112,564    | 58,950    | 53,614  | 98,093     | 50,774  | 47,319  | 14,471     | 8,176   | 6,295   | 13,076     | 7,329   | 5,747   |
| Malignant neoplasms of respiratory and intrathoracic organs . . . . . 160-165   | 116,359    | 83,027    | 33,332  | 103,042    | 72,924  | 30,118  | 13,317     | 10,103  | 3,214   | 12,537     | 9,545   | 2,992   |
| Malignant neoplasm of breast . . . . . 174-175  | 37,685     | 271       | 37,414  | 33,837     | 236     | 33,601  | 3,848      | 35      | 3,813   | 3,602      | 35      | 3,567   |
| Malignant neoplasms of genital organs . . . . . 179-187   | 47,547     | 24,715    | 22,832  | 40,518     | 20,688  | 19,830  | 7,029      | 4,027   | 3,002   | 6,658      | 3,875   | 2,783   |
| Malignant neoplasms of urinary organs . . . . . 188-189   | 18,460     | 12,090    | 6,370   | 16,818     | 11,125  | 5,693   | 1,642      | 965     | 677     | 1,516      | 885     | 631     |
| Malignant neoplasms of all other and unspecified sites . . . . . 170-173,190-199  | 53,191     | 27,926    | 25,265  | 47,573     | 24,944  | 22,629  | 5,618      | 2,982   | 2,636   | 5,176      | 2,747   | 2,429   |
| Leukemia . . . . . 204-208  | 16,704     | 9,244     | 7,460   | 15,152     | 8,402   | 6,750   | 1,552      | 842     | 710     | 1,378      | 745     | 633     |
| Other malignant neoplasms of lymphatic and hematopoietic tissues . . . . . 200-203                                      | 22,757     | 11,785    | 10,972  | 20,461     | 10,551  | 9,910   | 2,296      | 1,234   | 1,062   | 2,116      | 1,120   | 996     |

**Table 8. Deaths from 72 selected causes by race and sex: United States, 1982—Con.**

| Cause of death (Ninth Revision International Classification of Diseases, 1975)                                       | All races  |         |         | White      |         |         | All other  |        |        |            |        |        |
|--|------------|---------|---------|------------|---------|---------|------------|--------|--------|------------|--------|--------|
|  |            |         |         |            |         |         | Total      |        |        | Black      |        |        |
|  | Both sexes | Male    | Female  | Both sexes | Male    | Female  | Both sexes | Male   | Female | Both sexes | Male   | Female |
| Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature . . . . . 210-239 | 6,460      | 2,977   | 3,483   | 5,654      | 2,617   | 3,037   | 806        | 360    | 446    | 748        | 331    | 417    |
| Diabetes mellitus . . . . . 250  | 34,583     | 14,171  | 20,412  | 28,910     | 12,092  | 16,818  | 5,673      | 2,079  | 3,594  | 5,227      | 1,878  | 3,349  |
| Nutritional deficiencies . . . . . 260-269   | 2,430      | 994     | 1,436   | 2,049      | 818     | 1,231   | 381        | 176    | 205    | 346        | 159    | 187    |
| Anemias . . . . . 280-285  | 3,292      | 1,452   | 1,840   | 2,620      | 1,132   | 1,488   | 672        | 320    | 352    | 632        | 296    | 336    |
| Meningitis . . . . . 320-322   | 1,282      | 700     | 582     | 912        | 492     | 420     | 370        | 208    | 162    | 339        | 196    | 143    |
| Major cardiovascular diseases . . . . . 390-448  | 967,868    | 489,179 | 478,689 | 865,762    | 437,281 | 428,481 | 102,106    | 51,898 | 50,208 | 95,079     | 47,632 | 47,447 |
| Diseases of heart . . . . . 390-398, 402,404-429   | 755,592    | 398,570 | 357,022 | 678,837    | 358,308 | 320,529 | 76,755     | 40,262 | 36,493 | 71,468     | 36,925 | 34,543 |
| Rheumatic fever and rheumatic heart disease . . . . . 390-398  | 7,053      | 2,336   | 4,717   | 6,504      | 2,133   | 4,371   | 549        | 203    | 346    | 458        | 158    | 300    |
| Hypertensive heart disease . . . . . 402   | 20,779     | 8,896   | 11,883  | 15,392     | 6,341   | 9,051   | 5,387      | 2,555  | 2,832  | 5,197      | 2,449  | 2,748  |
| Hypertensive heart and renal disease . . . . . 404   | 3,028      | 1,222   | 1,806   | 2,354      | 948     | 1,406   | 674        | 274    | 400    | 653        | 266    | 387    |
| Ischemic heart disease . . . . . 410-414   | 552,786    | 300,820 | 251,966 | 507,177    | 276,601 | 230,576 | 45,609     | 24,219 | 21,390 | 41,912     | 21,802 | 20,110 |
| Acute myocardial infarction . . . . . 410  | 291,031    | 170,372 | 120,659 | 267,971    | 157,748 | 110,223 | 23,060     | 12,624 | 10,436 | 21,099     | 11,345 | 9,754  |
| Other acute and subacute forms of ischemic heart disease . . . . . 411   | 4,120      | 2,611   | 1,509   | 3,488      | 2,230   | 1,258   | 632        | 381    | 251    | 598        | 356    | 242    |
| Angina pectoris . . . . . 413  | 605        | 311     | 294     | 563        | 295     | 268     | 42         | 16     | 26     | 38         | 13     | 25     |
| Old myocardial infarction and other forms of chronic ischemic heart disease . . . . . 412,414                        | 257,030    | 127,526 | 129,504 | 235,155    | 116,328 | 118,827 | 21,875     | 11,198 | 10,677 | 20,177     | 10,088 | 10,089 |
| Other diseases of endocardium . . . . . 424  | 7,793      | 3,730   | 4,063   | 7,065      | 3,368   | 3,697   | 728        | 362    | 366    | 654        | 320    | 334    |
| All other forms of heart disease . . . . . 415-423, 425-429  | 164,153    | 81,566  | 82,587  | 140,345    | 68,917  | 71,428  | 23,808     | 12,649 | 11,159 | 22,594     | 11,930 | 10,664 |
| Hypertension with or without renal disease . . . . . 401,403   | 7,571      | 3,432   | 4,139   | 6,006      | 2,740   | 3,266   | 1,565      | 692    | 873    | 1,489      | 650    | 839    |
| Cerebrovascular diseases . . . . . 430-438   | 157,710    | 63,855  | 93,855  | 137,641    | 54,726  | 82,915  | 20,069     | 9,129  | 10,940 | 18,698     | 8,414  | 10,284 |
| Intracerebral and other intracranial hemorrhage . . . . . 431-432  | 19,895     | 9,071   | 10,824  | 16,519     | 7,323   | 9,196   | 3,376      | 1,748  | 1,628  | 3,087      | 1,571  | 1,516  |
| Cerebral thrombosis and unspecified occlusion of cerebral arteries . . . . . 434.0,434.9                             | 28,361     | 11,295  | 17,066  | 25,434     | 9,971   | 15,463  | 2,927      | 1,324  | 1,603  | 2,726      | 1,230  | 1,496  |

|  |                     |         |        |        |        |        |        |        |       |       |        |       |       |
|--|---------------------|---------|--------|--------|--------|--------|--------|--------|-------|-------|--------|-------|-------|
| Cerebral embolism . . . . .  | 434.1               | 759     | 308    | 451    | 702    | 286    | 416    | 57     | 22    | 35    | 52     | 19    | 33    |
| All other and late effects<br>of cerebrovascular<br>diseases . . . . .   | 430,<br>433,435-438 | 108,695 | 43,181 | 65,514 | 94,986 | 37,146 | 57,840 | 13,709 | 6,035 | 7,674 | 12,833 | 5,594 | 7,239 |
| Atherosclerosis . . . . .  | 440                 | 26,823  | 10,583 | 16,240 | 24,789 | 9,689  | 15,100 | 2,034  | 894   | 1,140 | 1,898  | 826   | 1,072 |
| Other diseases of arteries,<br>arterioles, and<br>capillaries . . . . .  | 441-448             | 20,172  | 12,739 | 7,433  | 18,489 | 11,818 | 6,671  | 1,683  | 921   | 762   | 1,526  | 817   | 709   |
| Acute bronchitis and<br>bronchiolitis . . . . .  | 466                 | 503     | 250    | 253    | 433    | 205    | 228    | 70     | 45    | 25    | 59     | 36    | 23    |
| Pneumonia and<br>influenza . . . . .   | 480-487             | 48,886  | 25,325 | 23,561 | 43,515 | 22,100 | 21,415 | 5,371  | 3,225 | 2,146 | 4,799  | 2,884 | 1,915 |
| Pneumonia . . . . .  | 480-486             | 48,159  | 25,030 | 23,129 | 42,829 | 21,827 | 21,002 | 5,330  | 3,203 | 2,127 | 4,772  | 2,869 | 1,903 |
| Influenza . . . . .  | 487                 | 727     | 295    | 432    | 686    | 273    | 413    | 41     | 22    | 19    | 27     | 15    | 12    |
| Chronic obstructive pulmonary<br>diseases and allied<br>conditions . . . . .   | 490-496             | 59,869  | 39,702 | 20,167 | 55,887 | 36,970 | 18,917 | 3,982  | 2,732 | 1,250 | 3,631  | 2,489 | 1,142 |
| Bronchitis, chronic and<br>unspecified . . . . .   | 490-491             | 3,495   | 2,126  | 1,369  | 3,311  | 2,010  | 1,301  | 184    | 116   | 68    | 163    | 102   | 61    |
| Emphysema . . . . .  | 492                 | 12,793  | 9,037  | 3,756  | 12,155 | 8,533  | 3,622  | 638    | 504   | 134   | 579    | 454   | 125   |
| Asthma . . . . .   | 493                 | 3,154   | 1,314  | 1,840  | 2,450  | 983    | 1,467  | 704    | 331   | 373   | 647    | 301   | 346   |
| Other chronic obstructive<br>pulmonary diseases and allied<br>conditions . . . . .   | 494-496             | 40,427  | 27,225 | 13,202 | 37,971 | 25,444 | 12,527 | 2,456  | 1,781 | 675   | 2,242  | 1,632 | 610   |
| Ulcer of stomach and<br>duodenum . . . . .   | 531-533             | 6,738   | 3,422  | 3,316  | 6,063  | 3,032  | 3,031  | 675    | 390   | 285   | 593    | 339   | 254   |
| Appendicitis . . . . .   | 540-543             | 529     | 303    | 226    | 413    | 236    | 177    | 116    | 67    | 49    | 108    | 62    | 46    |
| Hernia of abdominal cavity and<br>intestinal obstruction<br>without mention of<br>hernia . . . . .   | 550-553,560         | 5,054   | 1,965  | 3,089  | 4,416  | 1,617  | 2,799  | 638    | 348   | 290   | 607    | 324   | 283   |
| Chronic liver disease and<br>cirrhosis . . . . .   | 571                 | 27,690  | 17,917 | 9,773  | 23,409 | 15,249 | 8,160  | 4,281  | 2,668 | 1,613 | 3,839  | 2,408 | 1,431 |
| Cholelithiasis and other disorders<br>of gallbladder . . . . .   | 574-575             | 2,941   | 1,289  | 1,652  | 2,663  | 1,177  | 1,486  | 278    | 112   | 166   | 230    | 87    | 143   |
| Nephritis, nephrotic syndrome,<br>and nephrosis . . . . .  | 580-589             | 18,102  | 9,165  | 8,937  | 14,453 | 7,405  | 7,048  | 3,649  | 1,760 | 1,889 | 3,417  | 1,650 | 1,767 |
| Acute glomerulonephritis and<br>nephrotic syndrome . . . . .   | 580-581             | 309     | 151    | 158    | 247    | 120    | 127    | 62     | 31    | 31    | 59     | 30    | 29    |
| Chronic glomerulonephritis,<br>nephritis and nephropathy,<br>not specified as acute or<br>chronic, and renal sclerosis,<br>unspecified . . . . . | 582-583,587         | 1,946   | 984    | 962    | 1,558  | 798    | 760    | 388    | 186   | 202   | 353    | 172   | 181   |
| Renal failure, disorders resulting<br>from impaired renal function,<br>and small kidney of unknown<br>cause . . . . .                            | 584-586,588-589     | 15,847  | 8,030  | 7,817  | 12,648 | 6,487  | 6,161  | 3,199  | 1,543 | 1,656 | 3,005  | 1,448 | 1,557 |
| Infections of kidney . . . . .   | 590                 | 2,218   | 733    | 1,485  | 1,953  | 629    | 1,324  | 265    | 104   | 161   | 249    | 98    | 151   |
| Hyperplasia of prostate . . . . .  | 600                 | 655     | 655    | ...    | 565    | 565    | ...    | 90     | 90    | ...   | 87     | 87    | ...   |
| Complications of pregnancy,<br>childbirth, and the<br>puerperium . . . . .   | 630-676             | 292     | ...    | 292    | 171    | ...    | 171    | 121    | ...   | 121   | 108    | ...   | 108   |
| Pregnancy with abortive<br>outcome . . . . .   | 630-638             | 55      | ...    | 55     | 27     | ...    | 27     | 28     | ...   | 28    | 23     | ...   | 23    |
| Other complications of<br>pregnancy, childbirth, and<br>the puerperium . . . . .   | 640-676             | 237     | ...    | 237    | 144    | ...    | 144    | 93     | ...   | 93    | 85     | ...   | 85    |

**Table 8. Deaths from 72 selected causes by race and sex: United States, 1982—Con.**

| Cause of death (Ninth Revision International Classification of Diseases, 1975)                          | All races  |        |        | White      |        |        | All other  |       |        |            |       |        |
|---|------------|--------|--------|------------|--------|--------|------------|-------|--------|------------|-------|--------|
|   | Both sexes | Male   | Female | Both sexes | Male   | Female | Total      |       |        | Black      |       |        |
|   |            |        |        |            |        |        | Both sexes | Male  | Female | Both sexes | Male  | Female |
| Congenital anomalies... 740-759   | 13,604     | 7,157  | 6,447  | 11,129     | 5,883  | 5,246  | 2,475      | 1,274 | 1,201  | 2,141      | 1,092 | 1,049  |
| Certain conditions originating in the perinatal period . . . . . 760-779                                | 20,794     | 11,876 | 8,918  | 13,932     | 8,003  | 5,929  | 6,862      | 3,873 | 2,989  | 6,464      | 3,633 | 2,831  |
| Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome . . . . . 767-769 | 6,183      | 3,695  | 2,488  | 4,485      | 2,676  | 1,809  | 1,698      | 1,019 | 679    | 1,582      | 944   | 638    |
| Other conditions originating in the perinatal period . . . . . 760-766,770-779                          | 14,611     | 8,181  | 6,430  | 9,447      | 5,327  | 4,120  | 5,164      | 2,854 | 2,310  | 4,882      | 2,689 | 2,193  |
| Symptoms, signs, and ill-defined conditions . . . . . 780-799   | 29,814     | 17,060 | 12,754 | 22,376     | 12,753 | 9,623  | 7,438      | 4,307 | 3,131  | 6,938      | 4,014 | 2,924  |
| All other diseases . . . . . Residual   | 120,029    | 59,392 | 60,637 | 102,545    | 50,048 | 52,497 | 17,484     | 9,344 | 8,140  | 16,177     | 8,599 | 7,578  |
| Accidents and adverse effects . . . . . E800-E949   | 94,082     | 65,754 | 28,328 | 80,392     | 55,896 | 24,496 | 13,690     | 9,858 | 3,832  | 11,688     | 8,449 | 3,239  |
| Motor vehicle accidents . . . . . E810-E825   | 45,779     | 33,191 | 12,588 | 40,191     | 29,073 | 11,118 | 5,588      | 4,118 | 1,470  | 4,493      | 3,387 | 1,106  |
| All other accidents and adverse effects . . . . . E800-E807, E826-E949                                  | 48,303     | 32,563 | 15,740 | 40,201     | 26,823 | 13,378 | 8,102      | 5,740 | 2,362  | 7,195      | 5,062 | 2,133  |
| Suicide . . . . . E950-E959   | 28,242     | 21,625 | 6,617  | 26,141     | 19,965 | 6,176  | 2,101      | 1,660 | 441    | 1,639      | 1,327 | 312    |
| Homicide and legal intervention . . . . . E960-E978   | 22,358     | 17,315 | 5,043  | 12,439     | 9,260  | 3,179  | 9,919      | 8,055 | 1,864  | 9,473      | 7,730 | 1,743  |
| All other external causes . . . . . E980-E999   | 3,212      | 2,309  | 903    | 2,391      | 1,696  | 695    | 821        | 613   | 208    | 720        | 539   | 181    |

**Table 9. Death rates for 72 selected causes by race and sex: United States, 1982**

[Rates per 100,000 population in specified group]

| Cause of death (Ninth Revision International Classification of Diseases, 1975)                                  | All other  |       |        |            |       |        |            |       |        |            |       |        |
|---|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
|   | All races  |       |        | White      |       |        | Total      |       |        | Black      |       |        |
|   | Both sexes | Male  | Female | Both sexes | Male  | Female | Both sexes | Male  | Female | Both sexes | Male  | Female |
| All causes.....   | 852.0      | 938.0 | 770.7  | 872.9      | 951.8 | 797.9  | 728.9      | 854.8 | 614.5  | 819.2      | 960.4 | 692.4  |
| Shigellosis and amebiasis.....004,006   | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | -      |
| Certain other intestinal infections.....007-009   | 0.1        | 0.1   | 0.2    | 0.1        | 0.1   | 0.1    | 0.3        | 0.3   | 0.3    | 0.3        | 0.3   | 0.3    |
| Tuberculosis.....010-018  | 0.8        | 1.1   | 0.5    | 0.6        | 0.8   | 0.4    | 2.0        | 2.8   | 1.2    | 2.1        | 3.2   | 1.2    |
| Tuberculosis of respiratory system.....010-012  | 0.6        | 0.9   | 0.4    | 0.5        | 0.7   | 0.3    | 1.5        | 2.3   | 0.8    | 1.6        | 2.5   | 0.8    |
| Other tuberculosis.....013-018  | 0.1        | 0.2   | 0.1    | 0.1        | 0.1   | 0.1    | 0.5        | 0.6   | 0.4    | 0.5        | 0.6   | 0.4    |
| Whooping cough.....033  | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | -          | -     | -      | -          | -     | -      |
| Streptococcal sore throat, scarlatina, and erysipelas...034-035   | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    |
| Meningococcal infection.....036   | 0.2        | 0.2   | 0.2    | 0.1        | 0.1   | 0.1    | 0.2        | 0.3   | 0.2    | 0.3        | 0.3   | 0.2    |
| Septicemia.....038  | 5.0        | 4.9   | 5.1    | 4.6        | 4.5   | 4.8    | 6.8        | 6.9   | 6.7    | 7.8        | 8.0   | 7.7    |
| Acute poliomyelitis.....045   | -          | -     | -      | -          | -     | -      | -          | -     | -      | -          | -     | -      |
| Measles.....055   | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | -          | -     | -      | -          | -     | -      |
| Viral hepatitis.....070   | 0.4        | 0.4   | 0.3    | 0.3        | 0.4   | 0.3    | 0.5        | 0.5   | 0.5    | 0.5        | 0.4   | 0.5    |
| Syphilis.....090-097  | 0.1        | 0.1   | 0.0    | 0.0        | 0.0   | 0.0    | 0.1        | 0.2   | 0.1    | 0.1        | 0.2   | 0.1    |
| All other infectious and parasitic diseases.....001-003,005,020-032,037,039-041,046-054,056-066,071-088,098-139 | 1.9        | 2.1   | 1.8    | 1.8        | 1.9   | 1.7    | 2.6        | 2.9   | 2.2    | 2.8        | 3.2   | 2.5    |
| Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-208                     | 187.2      | 207.6 | 167.8  | 193.2      | 211.7 | 175.6  | 151.7      | 183.1 | 123.2  | 171.1      | 208.2 | 137.9  |
| Malignant neoplasms of lip, oral cavity, and pharynx...140-149  | 3.7        | 5.2   | 2.2    | 3.6        | 5.0   | 2.3    | 4.1        | 6.4   | 2.0    | 4.5        | 7.2   | 2.1    |
| Malignant neoplasms of digestive organs and peritoneum.....150-159  | 48.6       | 52.3  | 45.0   | 49.5       | 52.6  | 46.6   | 42.9       | 50.9  | 35.6   | 47.3       | 56.0  | 39.4   |
| Malignant neoplasms of respiratory and intrathoracic organs.....160-165   | 50.2       | 73.7  | 28.0   | 52.0       | 75.5  | 29.7   | 39.5       | 62.9  | 18.2   | 45.3       | 73.0  | 20.5   |
| Malignant neoplasm of breast.....174-175  | 16.3       | 0.2   | 31.4   | 17.1       | 0.2   | 33.1   | 11.4       | 0.2   | 21.6   | 13.0       | 0.3   | 24.5   |
| Malignant neoplasms of genital organs.....179-187   | 20.5       | 21.9  | 19.2   | 20.5       | 21.4  | 19.5   | 20.9       | 25.1  | 17.0   | 24.1       | 29.6  | 19.1   |
| Malignant neoplasms of urinary organs.....188-189   | 8.0        | 10.7  | 5.3    | 8.5        | 11.5  | 5.6    | 4.9        | 6.0   | 3.8    | 5.5        | 6.8   | 4.3    |
| Malignant neoplasms of all other and unspecified sites.....170-173,190-199                                      | 22.9       | 24.8  | 21.2   | 24.0       | 25.8  | 22.3   | 16.7       | 18.6  | 14.9   | 18.7       | 21.0  | 16.7   |
| Leukemia.....204-208  | 7.2        | 8.2   | 6.3    | 7.6        | 8.7   | 6.7    | 4.6        | 5.2   | 4.0    | 5.0        | 5.7   | 4.3    |
| Other malignant neoplasms of lymphatic and hematopoietic tissues.....200-203                                    | 9.8        | 10.5  | 9.2    | 10.3       | 10.9  | 9.8    | 6.8        | 7.7   | 6.0    | 7.7        | 8.6   | 6.8    |
| Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature.....210-239  | 2.8        | 2.6   | 2.9    | 2.9        | 2.7   | 3.0    | 2.4        | 2.2   | 2.5    | 2.7        | 2.5   | 2.9    |
| Diabetes mellitus.....250   | 14.9       | 12.6  | 17.1   | 14.6       | 12.5  | 16.6   | 16.8       | 13.0  | 20.4   | 18.9       | 14.4  | 23.0   |
| Nutritional deficiencies.....260-269  | 1.0        | 0.9   | 1.2    | 1.0        | 0.8   | 1.2    | 1.1        | 1.1   | 1.2    | 1.3        | 1.2   | 1.3    |
| Anemias.....280-285   | 1.4        | 1.3   | 1.5    | 1.3        | 1.2   | 1.5    | 2.0        | 2.0   | 2.0    | 2.3        | 2.3   | 2.3    |
| Meningitis.....320-322  | 0.6        | 0.6   | 0.5    | 0.5        | 0.5   | 0.4    | 1.1        | 1.3   | 0.9    | 1.2        | 1.5   | 1.0    |
| Major cardiovascular diseases.....390-448   | 417.6      | 434.3 | 401.7  | 437.1      | 452.8 | 422.2  | 302.9      | 323.4 | 284.3  | 343.8      | 364.2 | 325.6  |
| Diseases of heart.....390-398,402,404-429   | 326.0      | 353.9 | 299.6  | 342.7      | 371.0 | 315.8  | 227.7      | 250.9 | 206.7  | 258.5      | 282.3 | 237.0  |
| Rheumatic fever and rheumatic heart disease.....390-398   | 3.0        | 2.1   | 4.0    | 3.3        | 2.2   | 4.3    | 1.6        | 1.3   | 2.0    | 1.7        | 1.2   | 2.1    |
| Hypertensive heart disease.....402  | 9.0        | 7.9   | 10.0   | 7.8        | 6.6   | 8.9    | 16.0       | 15.9  | 16.0   | 18.8       | 18.7  | 18.9   |
| Hypertensive heart and renal disease.....404  | 1.3        | 1.1   | 1.5    | 1.2        | 1.0   | 1.4    | 2.0        | 1.7   | 2.3    | 2.4        | 2.0   | 2.7    |
| Ischemic heart disease.....410-414  | 238.5      | 267.1 | 211.5  | 256.1      | 286.4 | 227.2  | 135.3      | 150.9 | 121.1  | 151.6      | 166.7 | 138.0  |
| Acute myocardial infarction.....410   | 125.6      | 151.3 | 101.3  | 135.3      | 163.3 | 108.6  | 68.4       | 78.7  | 59.1   | 76.3       | 86.7  | 66.9   |
| Other acute and subacute forms of ischemic heart disease.....411  | 1.8        | 2.3   | 1.3    | 1.8        | 2.3   | 1.2    | 1.9        | 2.4   | 1.4    | 2.2        | 2.7   | 1.7    |

Table 9. Death rates for 72 selected causes by race and sex: United States, 1982—Con.

[Rates per 100,000 population in specified group]

| Cause of death (Ninth Revision International Classification of Diseases, 1975)   | All other  |       |        |            |       |        |            |      |        |            |      |        |
|--|------------|-------|--------|------------|-------|--------|------------|------|--------|------------|------|--------|
|  | All races  |       |        | White      |       |        | Total      |      |        | Black      |      |        |
|  | Both sexes | Male  | Female | Both sexes | Male  | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Major cardiovascular diseases—Con.   |            |       |        |            |       |        |            |      |        |            |      |        |
| Diseases of heart—Con.   |            |       |        |            |       |        |            |      |        |            |      |        |
| Ischemic heart disease—Con.  |            |       |        |            |       |        |            |      |        |            |      |        |
| Angina pectoris . . . . . 413  | 0.3        | 0.3   | 0.2    | 0.3        | 0.3   | 0.3    | 0.1        | 0.1  | 0.1    | 0.1        | 0.1  | 0.2    |
| Old myocardial infarction and other forms of chronic ischemic heart disease . . . . . 412,414  | 110.9      | 113.2 | 108.7  | 118.7      | 120.4 | 117.1  | 64.9       | 69.8 | 60.5   | 73.0       | 77.1 | 69.2   |
| Other diseases of endocardium . . . . . 424  | 3.4        | 3.3   | 3.4    | 3.6        | 3.5   | 3.6    | 2.2        | 2.3  | 2.1    | 2.4        | 2.4  | 2.3    |
| All other forms of heart disease . . . . . 415–423,425–429   | 70.8       | 72.4  | 69.3   | 70.9       | 71.4  | 70.4   | 70.6       | 78.8 | 63.2   | 81.7       | 91.2 | 73.2   |
| Hypertension with or without renal disease . . . . . 401,403   | 3.3        | 3.0   | 3.5    | 3.0        | 2.8   | 3.2    | 4.5        | 4.3  | 4.9    | 5.4        | 5.0  | 5.8    |
| Cerebrovascular diseases . . . . . 430–438   | 68.0       | 56.7  | 78.8   | 69.5       | 56.7  | 81.7   | 59.5       | 56.9 | 62.0   | 67.6       | 64.3 | 70.6   |
| Intracerebral and other intracranial hemorrhage . . . 431–432  | 8.6        | 8.1   | 9.1    | 8.3        | 7.6   | 9.1    | 10.0       | 10.9 | 9.2    | 11.2       | 12.0 | 10.4   |
| Cerebral thrombosis and unspecified occlusion of cerebral arteries . . . . . 434,0,434.9   | 12.2       | 10.0  | 14.3   | 12.8       | 10.3  | 15.2   | 8.7        | 8.2  | 9.1    | 9.9        | 9.4  | 10.3   |
| Cerebral embolism . . . . . 434.1  | 0.3        | 0.3   | 0.4    | 0.4        | 0.3   | 0.4    | 0.2        | 0.1  | 0.2    | 0.2        | 0.1  | 0.2    |
| All other and late effects of cerebrovascular diseases . . . . . 430,433,435–438   | 46.9       | 38.3  | 55.0   | 48.0       | 38.5  | 57.0   | 40.7       | 37.6 | 43.5   | 46.4       | 42.8 | 49.7   |
| Atherosclerosis . . . . . 440  | 11.6       | 9.4   | 13.6   | 12.5       | 10.0  | 14.9   | 6.0        | 5.6  | 6.5    | 6.9        | 6.3  | 7.4    |
| Other diseases of arteries, arterioles, and capillaries . . . 441–448  | 8.7        | 11.3  | 6.2    | 9.3        | 12.2  | 6.6    | 5.0        | 5.7  | 4.3    | 5.5        | 6.2  | 4.9    |
| Acute bronchitis and bronchiolitis . . . . . 466   | 0.2        | 0.2   | 0.2    | 0.2        | 0.2   | 0.2    | 0.2        | 0.3  | 0.1    | 0.2        | 0.3  | 0.2    |
| Pneumonia and influenza . . . . . 480–487  | 21.1       | 22.5  | 19.8   | 22.0       | 22.9  | 21.1   | 15.9       | 20.1 | 12.2   | 17.4       | 22.1 | 13.1   |
| Pneumonia . . . . . 480–486  | 20.8       | 22.2  | 19.4   | 21.6       | 22.6  | 20.7   | 15.8       | 20.0 | 12.0   | 17.3       | 21.9 | 13.1   |
| Influenza . . . . . 487  | 0.3        | 0.3   | 0.4    | 0.3        | 0.3   | 0.4    | 0.1        | 0.1  | 0.1    | 0.1        | 0.1  | 0.1    |
| Chronic obstructive pulmonary diseases and allied conditions . . . . . 490–496   | 25.8       | 35.2  | 16.9   | 28.2       | 38.3  | 18.6   | 11.8       | 17.0 | 7.1    | 13.1       | 19.0 | 7.8    |
| Bronchitis, chronic and unspecified . . . . . 490–491  | 1.5        | 1.9   | 1.1    | 1.7        | 2.1   | 1.3    | 0.5        | 0.7  | 0.4    | 0.6        | 0.8  | 0.4    |
| Emphysema . . . . . 492  | 5.5        | 8.0   | 3.2    | 6.1        | 8.8   | 3.6    | 1.9        | 3.1  | 0.8    | 2.1        | 3.5  | 0.9    |
| Asthma . . . . . 493   | 1.4        | 1.2   | 1.5    | 1.2        | 1.0   | 1.4    | 2.1        | 2.1  | 2.1    | 2.3        | 2.3  | 2.4    |
| Other chronic obstructive pulmonary diseases and allied conditions . . . . . 494–496   | 17.4       | 24.2  | 11.1   | 19.2       | 26.3  | 12.3   | 7.3        | 11.1 | 3.8    | 8.1        | 12.5 | 4.2    |
| Ulcer of stomach and duodenum . . . . . 531–533  | 2.9        | 3.0   | 2.8    | 3.1        | 3.1   | 3.0    | 2.0        | 2.4  | 1.6    | 2.1        | 2.6  | 1.7    |
| Appendicitis . . . . . 540–543   | 0.2        | 0.3   | 0.2    | 0.2        | 0.2   | 0.2    | 0.3        | 0.4  | 0.3    | 0.4        | 0.5  | 0.3    |
| Hernia of abdominal cavity and intestinal obstruction without mention of hernia . . . . . 550–553,560  | 2.2        | 1.7   | 2.6    | 2.2        | 1.7   | 2.8    | 1.9        | 2.2  | 1.6    | 2.2        | 2.5  | 1.9    |
| Chronic liver disease and cirrhosis . . . . . 571  | 11.9       | 15.9  | 8.2    | 11.8       | 15.8  | 8.0    | 12.7       | 16.6 | 9.1    | 13.9       | 18.4 | 9.8    |
| Cholelithiasis and other disorders of gallbladder . . . . . 574–575  | 1.3        | 1.1   | 1.4    | 1.3        | 1.2   | 1.5    | 0.8        | 0.7  | 0.9    | 0.8        | 0.7  | 1.0    |
| Nephritis, nephrotic syndrome, and nephrosis . . . . . 580–589   | 7.8        | 8.1   | 7.5    | 7.3        | 7.7   | 6.9    | 10.8       | 11.0 | 10.7   | 12.4       | 12.6 | 12.1   |
| Acute glomerulonephritis and nephrotic syndrome . . . 580–581  | 0.1        | 0.1   | 0.1    | 0.1        | 0.1   | 0.1    | 0.2        | 0.2  | 0.2    | 0.2        | 0.2  | 0.2    |
| Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified . . . . . 582–583,587 | 0.8        | 0.9   | 0.8    | 0.8        | 0.8   | 0.7    | 1.2        | 1.2  | 1.1    | 1.3        | 1.3  | 1.2    |
| Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause . . . . . 584–586,588–589                     | 6.8        | 7.1   | 6.6    | 6.4        | 6.7   | 6.1    | 9.5        | 9.6  | 9.4    | 10.9       | 11.1 | 10.7   |
| Infections of kidney . . . . . 590   | 1.0        | 0.7   | 1.2    | 1.0        | 0.7   | 1.3    | 0.8        | 0.6  | 0.9    | 0.9        | 0.7  | 1.0    |
| Hyperplasia of prostate . . . . . 600  | 0.3        | 0.6   | ...    | 0.3        | 0.6   | ...    | 0.3        | 0.6  | ...    | 0.3        | 0.7  | ...    |



|   |                     |      |      |      |      |      |      |      |      |      |      |      |      |
|---|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Complications of pregnancy, childbirth, and the puerperium . . . . .                            | 630-676             | 0.1  | ...  | 0.2  | 0.1  | ...  | 0.2  | 0.4  | ...  | 0.7  | 0.4  | ...  | 0.7  |
| Pregnancy with abortive outcome . . . . .   | 630-638             | 0.0  | ...  | 0.0  | 0.0  | ...  | 0.0  | 0.1  | ...  | 0.2  | 0.1  | ...  | 0.2  |
| Other complications of pregnancy, childbirth, and the puerperium . . . . .                      | 640-676             | 0.1  | ...  | 0.2  | 0.1  | ...  | 0.1  | 0.3  | ...  | 0.5  | 0.3  | ...  | 0.6  |
| Congenital anomalies . . . . .  | 740-759             | 5.9  | 6.4  | 5.4  | 5.6  | 6.1  | 5.2  | 7.3  | 7.9  | 6.8  | 7.7  | 8.3  | 7.2  |
| Certain conditions originating in the perinatal period . . . . .                                | 760-779             | 9.0  | 10.5 | 7.5  | 7.0  | 8.3  | 5.8  | 20.4 | 24.1 | 16.9 | 23.4 | 27.8 | 19.4 |
| Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome . . . . . | 767-769             | 2.7  | 3.3  | 2.1  | 2.3  | 2.8  | 1.8  | 5.0  | 6.3  | 3.8  | 5.7  | 7.2  | 4.4  |
| Other conditions originating in the perinatal period . . . . .                                  | 760-766,770-779     | 6.3  | 7.3  | 5.4  | 4.8  | 5.5  | 4.1  | 15.3 | 17.8 | 13.1 | 17.7 | 20.6 | 15.0 |
| Symptoms, signs, and ill-defined conditions . . . . .   | 780-799             | 12.9 | 15.1 | 10.7 | 11.3 | 13.2 | 9.5  | 22.1 | 26.8 | 17.7 | 25.1 | 30.7 | 20.1 |
| All other diseases . . . . .  | Residual            | 51.8 | 52.7 | 50.9 | 51.8 | 51.8 | 51.7 | 51.9 | 58.2 | 46.1 | 58.5 | 65.7 | 52.0 |
| Accidents and adverse effects . . . . .   | E800-E949           | 40.6 | 58.4 | 23.8 | 40.6 | 57.9 | 24.1 | 40.6 | 61.4 | 21.7 | 42.3 | 64.6 | 22.2 |
| Motor vehicle accidents . . . . .   | E810-E825           | 19.8 | 29.5 | 10.6 | 20.3 | 30.1 | 11.0 | 16.6 | 25.7 | 8.3  | 16.2 | 25.9 | 7.6  |
| All other accidents and adverse effects . . . . .   | E800-E807,E826-E949 | 20.8 | 28.9 | 13.2 | 20.3 | 27.8 | 13.2 | 24.0 | 35.8 | 13.4 | 26.0 | 38.7 | 14.6 |
| Suicide . . . . .   | E950-E959           | 12.2 | 19.2 | 5.6  | 13.2 | 20.7 | 6.1  | 6.2  | 10.3 | 2.5  | 5.9  | 10.1 | 2.1  |
| Homicide and legal intervention . . . . .   | E960-E978           | 9.6  | 15.4 | 4.2  | 6.3  | 9.6  | 3.1  | 29.4 | 50.2 | 10.6 | 34.3 | 59.1 | 12.0 |
| All other external causes . . . . .   | E980-E999           | 1.4  | 2.1  | 0.8  | 1.2  | 1.8  | 0.7  | 2.4  | 3.8  | 1.2  | 2.6  | 4.1  | 1.2  |

**Table 10. Age-adjusted death rates for 72 selected causes by race and sex: United States, 1982**

[Rates per 100,000 population in specified group. Computed by the direct method, using as the standard population the age distribution of the total population of the United States as enumerated in 1940]

| Cause of death (Ninth Revision International Classification of Diseases, 1975)   | All races  |       |        | White      |       |        | All other  |       |        |            |         |        |
|--|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|---------|--------|
|  |            |       |        |            |       |        | Total      |       |        | Black      |         |        |
|  | Both sexes | Male  | Female | Both sexes | Male  | Female | Both sexes | Male  | Female | Both sexes | Male    | Female |
| All causes   | 553.8      | 733.1 | 411.2  | 531.8      | 706.0 | 393.3  | 704.6      | 928.4 | 529.3  | 778.7      | 1,035.0 | 581.4  |
| Shigellosis and amebiasis . . . . . 004,006  | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | 0.0        | 0.0     | -      |
| Certain other intestinal infections . . . . . 007-009  | 0.1        | 0.1   | 0.1    | 0.1        | 0.1   | 0.1    | 0.2        | 0.2   | 0.2    | 0.2        | 0.2     | 0.3    |
| Tuberculosis . . . . . 010-018   | 0.6        | 0.9   | 0.3    | 0.4        | 0.6   | 0.2    | 2.0        | 3.3   | 1.1    | 2.2        | 3.7     | 1.0    |
| Tuberculosis of respiratory system . . . . . 010-012   | 0.4        | 0.7   | 0.2    | 0.3        | 0.5   | 0.1    | 1.5        | 2.7   | 0.6    | 1.6        | 2.9     | 0.6    |
| Other tuberculosis . . . . . 013-018   | 0.1        | 0.1   | 0.1    | 0.1        | 0.1   | 0.0    | 0.5        | 0.6   | 0.4    | 0.5        | 0.7     | 0.4    |
| Whooping cough . . . . . 033   | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | -          | -     | -      | -          | -       | -      |
| Streptococcal sore throat, scarlatina, and erysipelas . . . . . 034-035  | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | 0.0        | 0.0     | 0.0    |
| Meningococcal infection . . . . . 036  | 0.2        | 0.1   | 0.2    | 0.1        | 0.1   | 0.1    | 0.2        | 0.2   | 0.2    | 0.2        | 0.3     | 0.2    |
| Septicemia . . . . . 038   | 3.0        | 3.6   | 2.6    | 2.6        | 3.1   | 2.2    | 6.3        | 7.3   | 5.6    | 7.1        | 8.4     | 6.1    |
| Acute poliomyelitis . . . . . 045  | -          | -     | -      | -          | -     | -      | -          | -     | -      | -          | -       | -      |
| Measles . . . . . 055  | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | -          | -     | -      | -          | -       | -      |
| Viral hepatitis . . . . . 070  | 0.3        | 0.4   | 0.3    | 0.3        | 0.3   | 0.2    | 0.5        | 0.6   | 0.5    | 0.4        | 0.5     | 0.5    |
| Syphilis . . . . . 090-097   | 0.0        | 0.0   | 0.0    | 0.0        | 0.0   | 0.0    | 0.1        | 0.2   | 0.1    | 0.1        | 0.2     | 0.1    |
| All other infectious and parasitic diseases . . . . . 001-003,005, 020-032,037,039-041,046-054,056-066,071-088,098-139 | 1.5        | 1.8   | 1.3    | 1.4        | 1.6   | 1.2    | 2.7        | 3.2   | 2.2    | 2.9        | 3.5     | 2.5    |
| Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . . . . 140-208                      | 132.5      | 164.8 | 109.5  | 129.4      | 159.4 | 108.2  | 157.0      | 210.1 | 117.9  | 173.2      | 235.2   | 128.7  |
| Malignant neoplasms of lip, oral cavity, and pharynx . . . . . 140-149   | 2.8        | 4.4   | 1.5    | 2.5        | 3.9   | 1.4    | 4.7        | 8.0   | 2.1    | 5.2        | 9.0     | 2.2    |
| Malignant neoplasms of digestive organs and peritoneum . . . . . 150-159   | 32.2       | 40.8  | 25.6   | 30.7       | 38.7  | 24.7   | 43.5       | 58.6  | 32.2   | 46.7       | 63.4    | 34.3   |
| Malignant neoplasms of respiratory and intrathoracic organs . . . . . 160-165  | 37.5       | 60.3  | 19.9   | 36.8       | 58.5  | 20.0   | 42.9       | 75.1  | 18.4   | 48.3       | 85.8    | 20.4   |
| Malignant neoplasm of breast . . . . . 174-175   | 12.5       | 0.2   | 22.8   | 12.5       | 0.2   | 22.8   | 12.5       | 0.2   | 22.2   | 14.1       | 0.3     | 24.6   |
| Malignant neoplasms of genital organs . . . . . 179-187  | 13.2       | 14.9  | 13.1   | 12.5       | 13.8  | 12.7   | 19.9       | 25.8  | 16.5   | 22.2       | 29.6    | 18.0   |
| Malignant neoplasms of urinary organs . . . . . 188-189  | 5.2        | 8.2   | 3.0    | 5.2        | 8.3   | 2.9    | 4.8        | 6.7   | 3.4    | 5.3        | 7.4     | 3.8    |
| Malignant neoplasms of all other and unspecified sites . . . . . 170-173,190-199                                       | 17.0       | 20.7  | 13.9   | 16.9       | 20.7  | 13.9   | 17.2       | 21.4  | 14.0   | 19.0       | 23.9    | 15.3   |
| Leukemia . . . . . 204-208   | 5.2        | 6.6   | 4.0    | 5.2        | 6.7   | 4.1    | 4.6        | 5.7   | 3.8    | 4.9        | 6.1     | 4.0    |
| Other malignant neoplasms of lymphatic and hematopoietic tissues . . . . . 200-203                                     | 7.0        | 8.6   | 5.7    | 7.0        | 8.6   | 5.7    | 6.9        | 8.7   | 5.5    | 7.6        | 9.6     | 6.1    |
| Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature . . . . . 210-239   | 1.9        | 2.1   | 1.8    | 1.9        | 2.0   | 1.7    | 2.4        | 2.5   | 2.3    | 2.6        | 2.8     | 2.6    |
| Diabetes mellitus . . . . . 250  | 9.6        | 9.8   | 9.3    | 8.7        | 9.2   | 8.3    | 16.7       | 14.7  | 18.1   | 18.3       | 16.1    | 19.8   |
| Nutritional deficiencies . . . . . 260-269   | 0.5        | 0.6   | 0.4    | 0.5        | 0.5   | 0.4    | 0.9        | 1.1   | 0.8    | 1.0        | 1.1     | 0.9    |
| Anemias . . . . . 280-285  | 0.9        | 1.0   | 0.8    | 0.7        | 0.8   | 0.6    | 1.9        | 2.0   | 1.7    | 2.1        | 2.3     | 2.0    |
| Meningitis . . . . . 320-322   | 0.5        | 0.6   | 0.4    | 0.4        | 0.5   | 0.3    | 1.0        | 1.2   | 0.8    | 1.1        | 1.4     | 0.8    |
| Major cardiovascular diseases . . . . . 390-448  | 238.3      | 319.9 | 174.5  | 231.9      | 314.8 | 166.9  | 284.6      | 357.2 | 229.3  | 315.2      | 396.7   | 254.1  |
| Diseases of heart . . . . . 390-398,402,404-429  | 190.5      | 264.4 | 132.5  | 186.8      | 262.1 | 127.4  | 215.8      | 278.7 | 167.9  | 239.0      | 309.4   | 186.3  |
| Rheumatic fever and rheumatic heart disease . . . . . 390-398  | 2.2        | 1.7   | 2.5    | 2.2        | 1.8   | 2.5    | 1.7        | 1.5   | 1.9    | 1.7        | 1.4     | 2.0    |
| Hypertensive heart disease . . . . . 402   | 5.6        | 6.3   | 4.9    | 4.3        | 4.8   | 3.8    | 16.1       | 18.5  | 14.1   | 18.6       | 21.6    | 16.1   |
| Hypertensive heart and renal disease . . . . . 404   | 0.7        | 0.7   | 0.6    | 0.5        | 0.6   | 0.5    | 1.8        | 1.9   | 1.8    | 2.1        | 2.2     | 2.0    |

|   |                 |       |       |      |       |       |      |       |       |      |       |       |       |
|---|-----------------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|-------|
| Ischemic heart disease.....   | 410-414         | 139.3 | 199.7 | 92.1 | 140.3 | 203.0 | 90.9 | 127.4 | 167.4 | 97.2 | 139.1 | 182.2 | 106.9 |
| Acute myocardial infarction.....  | 410             | 79.5  | 117.5 | 49.5 | 80.8  | 120.5 | 49.1 | 67.0  | 89.0  | 50.3 | 72.9  | 96.7  | 55.2  |
| Other acute and subacute forms of ischemic heart disease.....   | 411             | 1.2   | 1.9   | 0.7  | 1.1   | 1.8   | 0.6  | 1.9   | 2.8   | 1.2  | 2.2   | 3.1   | 1.4   |
| Angina pectoris.....  | 413             | 0.2   | 0.2   | 0.1  | 0.2   | 0.2   | 0.1  | 0.1   | 0.1   | 0.1  | 0.1   | 0.1   | 0.2   |
| Old myocardial infarction and other forms of chronic ischemic heart disease.....  | 412,414         | 58.5  | 80.1  | 41.8 | 58.3  | 80.5  | 41.1 | 58.4  | 75.5  | 45.5 | 63.9  | 82.2  | 50.2  |
| Other diseases of endocardium.....  | 424             | 2.0   | 2.5   | 1.6  | 2.0   | 2.5   | 1.6  | 2.1   | 2.5   | 1.7  | 2.2   | 2.7   | 1.9   |
| All other forms of heart disease.....   | 415-423,425-429 | 40.8  | 53.6  | 30.8 | 37.6  | 49.6  | 28.2 | 66.7  | 87.0  | 51.2 | 75.3  | 99.4  | 57.3  |
| Hypertension with or without renal disease.....   | 401,403         | 1.8   | 2.2   | 1.6  | 1.5   | 1.9   | 1.3  | 4.5   | 4.8   | 4.2  | 5.1   | 5.5   | 4.8   |
| Cerebrovascular diseases.....   | 430-438         | 35.8  | 39.2  | 33.2 | 33.4  | 36.6  | 31.0 | 54.8  | 61.8  | 49.6 | 60.8  | 68.9  | 54.7  |
| Intracerebral and other intracranial hemorrhage.....  | 431-432         | 5.8   | 6.5   | 5.2  | 5.1   | 5.6   | 4.7  | 10.7  | 13.0  | 8.9  | 11.8  | 14.4  | 9.9   |
| Cerebral thrombosis and unspecified occlusion of cerebral arteries.....   | 434.0,434.9     | 5.9   | 6.7   | 5.4  | 5.7   | 6.5   | 5.2  | 7.6   | 8.7   | 6.8  | 8.4   | 9.8   | 7.4   |
| Cerebral embolism.....  | 434.1           | 0.2   | 0.2   | 0.2  | 0.2   | 0.2   | 0.2  | 0.2   | 0.2   | 0.2  | 0.2   | 0.2   | 0.2   |
| All other and late effects of cerebrovascular diseases.....   | 430,433,435-438 | 23.9  | 25.9  | 22.5 | 22.4  | 24.3  | 21.0 | 36.4  | 39.9  | 33.8 | 40.4  | 44.6  | 37.3  |
| Atherosclerosis.....  | 440             | 4.8   | 5.7   | 4.2  | 4.8   | 5.7   | 4.2  | 4.6   | 5.4   | 4.0  | 5.0   | 6.0   | 4.4   |
| Other diseases of arteries, arterioles, and capillaries.....  | 441-448         | 5.3   | 8.3   | 3.1  | 5.3   | 8.5   | 3.0  | 4.9   | 6.5   | 3.6  | 5.3   | 7.0   | 4.0   |
| Acute bronchitis and bronchiolitis.....   | 466             | 0.1   | 0.2   | 0.1  | 0.1   | 0.1   | 0.1  | 0.2   | 0.2   | 0.1  | 0.2   | 0.2   | 0.1   |
| Pneumonia and influenza.....  | 480-487         | 10.9  | 15.2  | 8.0  | 10.3  | 14.3  | 7.6  | 14.4  | 21.1  | 9.5  | 15.6  | 23.2  | 10.1  |
| Pneumonia.....  | 480-486         | 10.7  | 15.0  | 7.8  | 10.1  | 14.1  | 7.5  | 14.3  | 21.0  | 9.4  | 15.6  | 23.1  | 10.0  |
| Influenza.....  | 487             | 0.1   | 0.2   | 0.1  | 0.1   | 0.2   | 0.1  | 0.1   | 0.2   | 0.1  | 0.1   | 0.1   | 0.1   |
| Chronic obstructive pulmonary diseases and allied conditions.....   | 490-496         | 16.2  | 25.5  | 9.8  | 16.6  | 26.2  | 10.0 | 11.7  | 18.7  | 6.7  | 12.8  | 20.6  | 7.3   |
| Bronchitis, chronic and unspecified.....  | 490-491         | 0.9   | 1.3   | 0.6  | 0.9   | 1.4   | 0.6  | 0.5   | 0.7   | 0.3  | 0.6   | 0.8   | 0.4   |
| Emphysema.....  | 492             | 3.5   | 5.9   | 1.9  | 3.7   | 6.1   | 2.0  | 1.9   | 3.5   | 0.7  | 2.0   | 3.8   | 0.8   |
| Asthma.....   | 493             | 1.0   | 1.0   | 1.1  | 0.9   | 0.8   | 0.9  | 2.2   | 2.3   | 2.2  | 2.5   | 2.5   | 2.5   |
| Other chronic obstructive pulmonary diseases and allied conditions.....   | 494-496         | 10.7  | 17.3  | 6.1  | 11.0  | 17.9  | 6.4  | 7.1   | 12.2  | 3.4  | 7.7   | 13.5  | 3.7   |
| Ulcer of stomach and duodenum.....  | 531-533         | 1.7   | 2.2   | 1.3  | 1.6   | 2.2   | 1.3  | 1.9   | 2.7   | 1.4  | 2.1   | 2.9   | 1.4   |
| Appendicitis.....   | 540-543         | 0.2   | 0.2   | 0.1  | 0.1   | 0.2   | 0.1  | 0.3   | 0.5   | 0.2  | 0.3   | 0.5   | 0.3   |
| Hernia of abdominal cavity and intestinal obstruction without mention of hernia.....  | 550-553,560     | 1.2   | 1.2   | 1.1  | 1.1   | 1.1   | 1.1  | 1.7   | 2.2   | 1.3  | 1.9   | 2.5   | 1.5   |
| Chronic liver disease and cirrhosis.....  | 571             | 10.5  | 14.9  | 6.7  | 9.8   | 14.1  | 6.1  | 14.9  | 20.9  | 10.1 | 16.5  | 23.5  | 10.9  |
| Cholelithiasis and other disorders of gallbladder.....  | 574-575         | 0.7   | 0.8   | 0.6  | 0.7   | 0.8   | 0.6  | 0.8   | 0.7   | 0.8  | 0.7   | 0.7   | 0.8   |
| Nephritis, nephrotic syndrome, and nephrosis.....   | 580-589         | 4.5   | 5.8   | 3.7  | 3.9   | 5.1   | 3.0  | 10.1  | 11.7  | 8.9  | 11.2  | 13.2  | 9.8   |
| Acute glomerulonephritis and nephrotic syndrome.....  | 580-581         | 0.1   | 0.1   | 0.1  | 0.1   | 0.1   | 0.1  | 0.2   | 0.2   | 0.2  | 0.2   | 0.2   | 0.2   |
| Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified..... | 582-583,587     | 0.5   | 0.6   | 0.4  | 0.4   | 0.5   | 0.3  | 1.1   | 1.3   | 1.0  | 1.2   | 1.4   | 1.0   |
| Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause.....                         | 584-586,588-589 | 3.9   | 5.0   | 3.2  | 3.3   | 4.4   | 2.6  | 8.8   | 10.2  | 7.8  | 9.8   | 11.6  | 8.6   |
| Infections of kidney.....   | 590             | 0.5   | 0.4   | 0.5  | 0.5   | 0.4   | 0.5  | 0.7   | 0.7   | 0.7  | 0.8   | 0.7   | 0.8   |
| Hyperplasia of prostate.....  | 600             | 0.1   | 0.3   | ...  | 0.1   | 0.3   | ...  | 0.2   | 0.5   | ...  | 0.2   | 0.6   | ...   |
| Complications of pregnancy, childbirth, and the puerperium.....   | 630-676         | 0.1   | ...   | 0.2  | 0.1   | ...   | 0.2  | 0.3   | ...   | 0.7  | 0.4   | ...   | 0.7   |
| Pregnancy with abortive outcome.....  | 630-638         | 0.0   | ...   | 0.0  | 0.0   | ...   | 0.0  | 0.1   | ...   | 0.1  | 0.1   | ...   | 0.1   |
| Other complications of pregnancy, childbirth, and the puerperium.....   | 640-676         | 0.1   | ...   | 0.2  | 0.1   | ...   | 0.1  | 0.2   | ...   | 0.5  | 0.3   | ...   | 0.6   |
| Congenital anomalies.....   | 740-759         | 5.7   | 6.0   | 5.4  | 5.7   | 6.0   | 5.4  | 5.8   | 6.0   | 5.6  | 6.1   | 6.4   | 6.0   |
| Certain conditions originating in the perinatal period.....   | 760-779         | 8.8   | 9.8   | 7.7  | 7.3   | 8.2   | 6.4  | 14.4  | 16.1  | 12.7 | 16.7  | 18.7  | 14.8  |
| Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome.....                                      | 767-769         | 2.6   | 3.0   | 2.1  | 2.4   | 2.7   | 1.9  | 3.6   | 4.2   | 2.9  | 4.1   | 4.9   | 3.3   |
| Other conditions originating in the perinatal period.....   | 760-766,770-779 | 6.2   | 6.7   | 5.5  | 5.0   | 5.5   | 4.4  | 10.9  | 11.8  | 9.8  | 12.6  | 13.8  | 11.5  |

**Table 10. Age-adjusted death rates for 72 selected causes by race and sex: United States, 1982—Con.**

[Rates per 100,000 population in specified group. Computed by the direct method, using as the standard population the age distribution of the total population of the United States as enumerated in 1940]

| Cause of death (Ninth Revision International Classification of Diseases, 1975) | All other  |      |        |            |      |        |            |      |        |            |      |        |
|--|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
|  | All races  |      |        | White      |      |        | Total      |      |        | Black      |      |        |
|  | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Symptoms, signs, and ill-defined conditions . . . . . 780-799                  | 9.8        | 12.8 | 7.1    | 8.2        | 10.9 | 6.0    | 20.0       | 26.7 | 14.7   | 22.6       | 30.6 | 16.4   |
| All other diseases . . . . . Residual  | 33.8       | 41.3 | 27.9   | 31.3       | 38.1 | 26.0   | 50.9       | 64.3 | 40.4   | 56.8       | 72.5 | 44.8   |
| Accidents and adverse effects . . . . . E800-E949                              | 36.6       | 55.2 | 18.9   | 36.1       | 54.1 | 18.7   | 40.8       | 64.5 | 20.5   | 42.5       | 68.3 | 20.8   |
| Motor vehicle accidents . . . . . E810-E825                                    | 19.3       | 28.7 | 10.1   | 19.8       | 29.3 | 10.5   | 16.8       | 26.7 | 8.3    | 16.6       | 27.2 | 7.5    |
| All other accidents and adverse effects . . . . . E800-E807, E826-E949         | 17.3       | 26.5 | 8.8    | 16.3       | 24.9 | 8.2    | 23.9       | 37.8 | 12.2   | 25.9       | 41.1 | 13.3   |
| Suicide . . . . . E950-E959  | 11.6       | 18.3 | 5.4    | 12.4       | 19.4 | 5.8    | 6.4        | 10.8 | 2.6    | 6.2        | 10.8 | 2.2    |
| Homicide and legal intervention . . . . . E960-E978                            | 9.7        | 15.3 | 4.2    | 6.3        | 9.5  | 3.1    | 30.0       | 52.2 | 10.5   | 35.3       | 62.3 | 12.0   |
| All other external causes . . . . . E980-E999                                  | 1.3        | 2.0  | 0.7    | 1.2        | 1.7  | 0.6    | 2.5        | 4.1  | 1.1    | 2.7        | 4.4  | 1.2    |

Table 11. Deaths under 1 year and infant mortality rates for 61 selected causes by race: United States, 1982

[Rates per 100,000 live births in specified group]

| Cause of death (Ninth Revision International Classification of Diseases, 1975)                                  | All races |        | All other |        | All races |         | All other |         |
|---|-----------|--------|-----------|--------|-----------|---------|-----------|---------|
|   | White     | Black  | Total     | Black  | White     | Black   | Total     | Black   |
|   |           |        |           |        |           |         |           |         |
| All causes.....   | 42,401    | 29,659 | 12,742    | 11,642 | 1,152.0   | 1,008.1 | 1,725.4   | 1,964.4 |
| Certain intestinal infections..... 008-009  | 137       | 71     | 66        | 61     | 3.7       | 2.4     | 8.9       | 10.3    |
| Whooping cough..... 033   | 4         | 4      | -         | -      | 0.1       | 0.1     | -         | -       |
| Meningococcal infection..... 036  | 95        | 82     | 13        | 10     | 2.6       | 2.8     | 1.8       | 1.7     |
| Septicemia..... 038   | 274       | 170    | 104       | 95     | 7.4       | 5.8     | 14.1      | 16.0    |
| Viral diseases..... 045-079   | 130       | 94     | 36        | 30     | 3.5       | 3.2     | 4.9       | 5.1     |
| Congenital syphilis..... 090  | 10        | 6      | 4         | 4      | 0.3       | 0.2     | 0.5       | 0.7     |
| Remainder of infectious and parasitic diseases..... 001-007, 010-032,034-035,037,039-041,080-088,091-139        | 87        | 52     | 35        | 33     | 2.4       | 1.8     | 4.7       | 5.6     |
| Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues..... 140-208                    | 135       | 102    | 33        | 16     | 3.7       | 3.5     | 4.5       | 2.7     |
| Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature..... 210-239 | 60        | 42     | 18        | 14     | 1.6       | 1.4     | 2.4       | 2.4     |
| Diseases of thymus gland..... 254   | 2         | 2      | -         | -      | 0.1       | 0.1     | -         | -       |
| Cystic fibrosis..... 277.0  | 34        | 30     | 4         | 4      | 0.9       | 1.0     | 0.5       | 0.7     |
| Diseases of blood and blood-forming organs..... 280-289   | 88        | 52     | 36        | 32     | 2.4       | 1.8     | 4.9       | 5.4     |
| Meningitis..... 320-322   | 331       | 207    | 124       | 109    | 9.0       | 7.0     | 16.8      | 18.4    |
| Other diseases of nervous system and sense organs..... 323-389  | 454       | 346    | 108       | 91     | 12.3      | 11.8    | 14.6      | 15.4    |
| Acute upper respiratory infections..... 460-465   | 52        | 28     | 24        | 20     | 1.4       | 1.0     | 3.2       | 3.4     |
| Bronchitis and bronchiolitis..... 466,490-491   | 115       | 77     | 38        | 33     | 3.1       | 2.6     | 5.1       | 5.6     |
| Pneumonia and influenza..... 480-487  | 756       | 458    | 298       | 268    | 20.5      | 15.6    | 40.4      | 45.2    |
| Pneumonia..... 480-486  | 748       | 453    | 295       | 266    | 20.3      | 15.4    | 39.9      | 44.9    |
| Influenza..... 487  | 8         | 5      | 3         | 2      | 0.2       | 0.2     | 0.4       | 0.3     |
| Remainder of diseases of respiratory system..... 470-478,492-519  | 470       | 299    | 171       | 162    | 12.8      | 10.2    | 23.2      | 27.3    |
| Hernia of abdominal cavity and intestinal obstruction without mention of hernia..... 550-553,560                | 130       | 88     | 42        | 41     | 3.5       | 3.0     | 5.7       | 6.9     |
| Gastritis, duodenitis, and noninfective enteritis and colitis..... 535,555-558                                  | 141       | 86     | 55        | 50     | 3.8       | 2.9     | 7.4       | 8.4     |
| Remainder of diseases of digestive system..... 520-534,536-543,562-579  | 217       | 139    | 78        | 70     | 5.9       | 4.7     | 10.6      | 11.8    |
| Congenital anomalies..... 740-759   | 9,024     | 7,281  | 1,743     | 1,488  | 245.2     | 247.5   | 236.0     | 251.1   |
| Anencephalus and similar anomalies..... 740   | 720       | 629    | 91        | 67     | 19.6      | 21.4    | 12.3      | 11.3    |
| Spina bifida..... 741   | 196       | 173    | 23        | 19     | 5.3       | 5.9     | 3.1       | 3.2     |
| Congenital hydrocephalus..... 742.3   | 266       | 209    | 57        | 51     | 7.2       | 7.1     | 7.7       | 8.6     |
| Other congenital anomalies of central nervous system and eye..... 742.0-742.2,742.4-742.9,743                   | 305       | 246    | 59        | 46     | 8.3       | 8.4     | 8.0       | 7.8     |
| Congenital anomalies of heart..... 745-746  | 2,804     | 2,269  | 535       | 454    | 76.2      | 77.1    | 72.4      | 76.6    |
| Other congenital anomalies of circulatory system..... 747   | 901       | 637    | 264       | 235    | 24.5      | 21.7    | 35.7      | 39.7    |
| Congenital anomalies of respiratory system..... 748   | 766       | 617    | 149       | 124    | 20.8      | 21.0    | 20.2      | 20.9    |
| Congenital anomalies of digestive system..... 749-751   | 232       | 180    | 52        | 46     | 6.3       | 6.1     | 7.0       | 7.8     |
| Congenital anomalies of genitourinary system... 752-753   | 503       | 421    | 82        | 75     | 13.7      | 14.3    | 11.1      | 12.7    |
| Congenital anomalies of musculoskeletal system..... 754-756   | 671       | 558    | 113       | 96     | 18.2      | 19.0    | 15.3      | 16.2    |
| Down's syndrome..... 758.0  | 99        | 81     | 18        | 18     | 2.7       | 2.8     | 2.4       | 3.0     |
| Other chromosomal anomalies..... 758.1-758.9  | 666       | 550    | 116       | 94     | 18.1      | 18.7    | 15.7      | 15.9    |
| All other and unspecified congenital anomalies..... 744,757,759   | 895       | 711    | 184       | 163    | 24.3      | 24.2    | 24.9      | 27.5    |
| Certain conditions originating in the perinatal period..... 760-779   | 20,685    | 13,848 | 6,837     | 6,443  | 562.0     | 470.7   | 925.8     | 1,087.2 |
| Newborn affected by maternal conditions which may be unrelated to present pregnancy..... 760                    | 136       | 97     | 39        | 34     | 3.7       | 3.3     | 5.3       | 5.7     |
| Newborn affected by maternal complications of pregnancy..... 761  | 1,493     | 1,028  | 465       | 435    | 40.6      | 34.9    | 63.0      | 73.4    |
| Newborn affected by complications of placenta, cord, and membranes..... 762                                     | 973       | 750    | 223       | 212    | 26.4      | 25.5    | 30.2      | 35.8    |
| Newborn affected by other complications of labor and delivery..... 763  | 105       | 72     | 33        | 29     | 2.9       | 2.4     | 4.5       | 4.9     |
| Slow fetal growth and fetal malnutrition..... 764   | 48        | 34     | 14        | 13     | 1.3       | 1.2     | 1.9       | 2.2     |
| Disorders relating to short gestation and unspecified low birthweight..... 765                                  | 3,618     | 2,133  | 1,485     | 1,421  | 98.3      | 72.5    | 201.1     | 239.8   |

**Table 11. Deaths under 1 year and infant mortality rates for 61 selected causes by race: United States, 1982—Con.**

[Rates per 100,000 live births in specified group]

| Cause of death (Ninth Revision International Classification of Diseases, 1975)                                     | All races             |       | All other |       | All races |       | All other |       |
|--|-----------------------|-------|-----------|-------|-----------|-------|-----------|-------|
|  | White                 | Black | Total     | Black | White     | Black | Total     | Black |
|  | Number                |       |           |       | Rate      |       |           |       |
| Certain conditions originating in the perinatal period—Con.  |                       |       |           |       |           |       |           |       |
| Disorders relating to long gestation and high birthweight . . . . .  | 766                   | 4     | 2         | 2     | 0.1       | 0.1   | 0.3       | 0.3   |
| Birth trauma . . . . .   | 767                   | 617   | 444       | 173   | 16.8      | 15.1  | 23.4      | 27.2  |
| Intrauterine hypoxia and birth asphyxia . . . . .  | 768                   | 1,489 | 1,056     | 433   | 40.5      | 35.9  | 58.6      | 67.7  |
| Fetal distress in liveborn infant. . . . .   | 768.2–768.4           | 293   | 220       | 73    | 8.0       | 7.5   | 9.9       | 11.0  |
| Birth asphyxia. . . . .  | 768.5–768.9           | 1,196 | 836       | 360   | 336       | 32.5  | 28.4      | 48.7  |
| Respiratory distress syndrome . . . . .  | 769                   | 4,038 | 2,952     | 1,086 | 1,015     | 109.7 | 100.3     | 147.1 |
| Other respiratory conditions of newborn . . . . .  | 770                   | 3,515 | 2,314     | 1,201 | 1,133     | 95.5  | 78.7      | 162.6 |
| Infections specific to the perinatal period. . . . .   | 771                   | 951   | 668       | 283   | 265       | 25.8  | 22.7      | 38.3  |
| Neonatal hemorrhage . . . . .  | 772                   | 714   | 457       | 257   | 244       | 19.4  | 15.5      | 34.8  |
| Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice . . . . .                       | 773–774               | 62    | 50        | 12    | 9         | 1.7   | 1.7       | 1.6   |
| Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus . . . . .                                 | 775.0–775.1           | 16    | 14        | 2     | 2         | 0.4   | 0.5       | 0.3   |
| Hemorrhagic disease of newborn . . . . .   | 776.0                 | 9     | 5         | 4     | 4         | 0.2   | 0.2       | 0.7   |
| All other and ill-defined conditions originating in the perinatal period . . . . .                                 | 775.2–775.9,776.1–779 | 2,897 | 1,772     | 1,125 | 1,063     | 78.7  | 60.2      | 152.3 |
| Symptoms, signs, and ill-defined conditions . . . . .  | 780–799               | 5,933 | 4,026     | 1,907 | 1,713     | 161.2 | 136.8     | 258.2 |
| Sudden infant death syndrome . . . . .   | 798.0                 | 5,278 | 3,632     | 1,646 | 1,477     | 143.4 | 123.5     | 222.9 |
| Symptoms, signs, and all other ill-defined conditions. . . . .   | 780–797,798.1–799     | 655   | 394       | 261   | 236       | 17.8  | 13.4      | 35.3  |
| Accidents and adverse effects . . . . .  | E800–E949             | 1,024 | 707       | 317   | 281       | 27.8  | 24.0      | 42.9  |
| Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation . . . . . | E911–E912             | 222   | 159       | 63    | 58        | 6.0   | 5.4       | 8.5   |
| Accidental mechanical suffocation . . . . .  | E913                  | 166   | 122       | 44    | 41        | 4.5   | 4.1       | 6.0   |
| Other accidental causes and adverse effects . . . . .  | E800–E910,E914–E949   | 636   | 426       | 210   | 182       | 17.3  | 14.5      | 28.4  |
| Homicide . . . . .   | E960–E969             | 243   | 146       | 97    | 87        | 6.6   | 5.0       | 13.1  |
| Child battering and other maltreatment. . . . .  | E967                  | 91    | 56        | 35    | 29        | 2.5   | 1.9       | 4.7   |
| Other homicide . . . . .   | E960–E966,E968–E969   | 152   | 90        | 62    | 58        | 4.1   | 3.1       | 8.4   |
| All other causes . . . . .   | Residual              | 1,770 | 1,216     | 554   | 487       | 48.1  | 41.3      | 75.0  |

**Table 12. Maternal deaths and maternal mortality rates for selected causes by race: United States, 1982**

[Maternal deaths are those assigned to Complications of pregnancy, childbirth, and the puerperium, category numbers 630–676 of the Ninth Revision International Classification of Diseases, 1975. Rates per 100,000 live births in specified group]

| Cause of death (Ninth Revision International Classification of Diseases, 1975) | All races                                   |       | All other |       | All races |       | All other |       |
|--|---|-------|-----------|-------|-----------|-------|-----------|-------|
|  | White                                       | Black | Total     | Black | White     | Black | Total     | Black |
|  | Number                                      |       |           |       | Rate      |       |           |       |
| Complications of pregnancy, childbirth, and the puerperium . . . . .           | 630–676                                     | 292   | 171       | 121   | 108       | 7.9   | 5.8       | 16.4  |
| Pregnancy with abortive outcome . . . . .                                      | 630–638                                     | 55    | 27        | 28    | 23        | 1.5   | 0.9       | 3.8   |
| Ectopic pregnancy . . . . .  | 633   | 43    | 19        | 24    | 20        | 1.2   | 0.6       | 3.2   |
| Spontaneous abortion . . . . .   | 634   | 3     | 3         | -     | -         | 0.1   | 0.1       | -     |
| Legally induced abortion . . . . .   | 635   | 3     | 1         | 2     | 2         | 0.1   | 0.0       | 0.3   |
| Illegally induced abortion. . . . .  | 636   | 1     | 1         | -     | -         | 0.0   | 0.0       | -     |
| Other pregnancy with abortive outcome. . . . .                                 | 630–632,637–638                             | 5     | 3         | 2     | 1         | 0.1   | 0.1       | 0.3   |
| Direct obstetric causes. . . . .   | 640–646,651–676                             | 224   | 137       | 87    | 79        | 6.1   | 4.7       | 11.8  |
| Hemorrhage of pregnancy and childbirth. . . . .                                | 640–641,666                                 | 37    | 26        | 11    | 9         | 1.0   | 0.9       | 1.5   |
| Toxemia of pregnancy. . . . .  | 642.4–642.9,643                             | 59    | 35        | 24    | 22        | 1.6   | 1.2       | 3.2   |
| Obstructed labor. . . . .  | 660   | -     | -         | -     | -         | -     | -         | -     |
| Complications of the puerperium . . . . .                                      | 670–676                                     | 67    | 39        | 28    | 25        | 1.8   | 1.3       | 3.8   |
| Other direct obstetric causes. . . . .   | 642.0–642.3,644–646,651–659,661–665,667–669 | 61    | 37        | 24    | 23        | 1.7   | 1.3       | 3.2   |
| Indirect obstetric causes. . . . .   | 647–648                                     | 13    | 7         | 6     | 6         | 0.4   | 0.2       | 0.8   |
| Delivery in a completely normal case . . . . .                                 | 650   | -     | -         | -     | -         | -     | -         | -     |

Table 13. Total deaths and death rates, and infant and neonatal deaths and mortality rates for the United States, each region, division, and State; and by race and sex for the United States: 1982

| Race, sex, and area        | Total deaths |                   | Infant deaths<br>(under 1 year) |                   | Neonatal deaths<br>(under 28 days) |                   |
|----------------------------|--------------|-------------------|---------------------------------|-------------------|------------------------------------|-------------------|
|                            | Number       | Rate <sup>1</sup> | Number                          | Rate <sup>2</sup> | Number                             | Rate <sup>2</sup> |
| United States .....        | 1,974,797    | 852.0             | 42,401                          | 11.5              | 28,335                             | 7.7               |
| Male .....                 | 1,056,440    | 938.0             | 24,073                          | 12.8              | 15,983                             | 8.5               |
| Female .....               | 918,357      | 770.7             | 18,328                          | 10.2              | 12,352                             | 6.9               |
| White .....                | 1,729,085    | 872.9             | 29,659                          | 10.1              | 19,959                             | 6.8               |
| Male .....                 | 919,239      | 951.8             | 16,965                          | 11.2              | 11,325                             | 7.5               |
| Female .....               | 809,846      | 797.9             | 12,694                          | 8.9               | 8,634                              | 6.0               |
| All other .....            | 245,712      | 728.9             | 12,742                          | 17.3              | 8,376                              | 11.3              |
| Male .....                 | 137,201      | 854.8             | 7,108                           | 18.9              | 4,658                              | 12.4              |
| Female .....               | 108,511      | 614.5             | 5,634                           | 15.5              | 3,718                              | 10.3              |
| Black .....                | 226,513      | 819.2             | 11,642                          | 19.6              | 7,744                              | 13.1              |
| Male .....                 | 125,610      | 960.4             | 6,485                           | 21.5              | 4,293                              | 14.3              |
| Female .....               | 100,903      | 692.4             | 5,157                           | 17.7              | 3,451                              | 11.8              |
| Regions                    |              |                   |                                 |                   |                                    |                   |
| Northeast .....            | 465,193      | 943.5             | 7,757                           | 11.5              | 5,533                              | 8.2               |
| North Central .....        | 514,090      | 872.4             | 10,693                          | 11.5              | 7,228                              | 7.8               |
| South .....                | 663,628      | 846.4             | 15,880                          | 12.5              | 10,585                             | 8.3               |
| West .....                 | 331,886      | 735.1             | 8,071                           | 10.0              | 4,989                              | 6.2               |
| Northeast                  |              |                   |                                 |                   |                                    |                   |
| New England .....          | 111,350      | 895.6             | 1,721                           | 10.3              | 1,294                              | 7.7               |
| Maine .....                | 10,472       | 921.8             | 150                             | 9.0               | 103                                | 6.2               |
| New Hampshire .....        | 7,616        | 803.4             | 155                             | 11.0              | 121                                | 8.6               |
| Vermont .....              | 4,490        | 863.5             | 75                              | 9.3               | 49                                 | 6.1               |
| Massachusetts .....        | 52,946       | 920.8             | 766                             | 10.1              | 573                                | 7.6               |
| Rhode Island .....         | 8,988        | 943.1             | 125                             | 10.0              | 100                                | 8.0               |
| Connecticut .....          | 26,838       | 858.5             | 450                             | 11.1              | 348                                | 8.6               |
| Middle Atlantic .....      | 353,843      | 959.6             | 6,036                           | 11.9              | 4,239                              | 8.3               |
| New York .....             | 167,405      | 953.0             | 3,004                           | 12.1              | 2,101                              | 8.5               |
| New Jersey .....           | 67,621       | 910.5             | 1,159                           | 11.7              | 805                                | 8.2               |
| Pennsylvania .....         | 118,817      | 1,000.2           | 1,873                           | 11.6              | 1,333                              | 8.2               |
| North Central              |              |                   |                                 |                   |                                    |                   |
| East North Central .....   | 357,579      | 860.0             | 7,730                           | 12.0              | 5,324                              | 8.3               |
| Ohio .....                 | 94,473       | 877.0             | 1,895                           | 11.5              | 1,300                              | 7.9               |
| Indiana .....              | 46,630       | 850.6             | 956                             | 11.4              | 643                                | 7.7               |
| Illinois .....             | 100,501      | 876.5             | 2,500                           | 13.6              | 1,716                              | 9.3               |
| Michigan .....             | 75,694       | 830.3             | 1,676                           | 12.1              | 1,203                              | 8.7               |
| Wisconsin .....            | 40,281       | 848.9             | 703                             | 9.5               | 462                                | 6.2               |
| West North Central .....   | 156,511      | 902.4             | 2,963                           | 10.5              | 1,904                              | 6.7               |
| Minnesota .....            | 32,978       | 797.9             | 648                             | 9.5               | 405                                | 5.9               |
| Iowa .....                 | 26,890       | 925.3             | 456                             | 10.2              | 281                                | 6.3               |
| Missouri .....             | 48,277       | 976.9             | 898                             | 11.7              | 574                                | 7.5               |
| North Dakota .....         | 5,390        | 802.1             | 134                             | 10.6              | 86                                 | 6.8               |
| South Dakota .....         | 6,595        | 950.3             | 131                             | 10.2              | 90                                 | 7.0               |
| Nebraska .....             | 14,577       | 917.4             | 270                             | 10.0              | 185                                | 6.9               |
| Kansas .....               | 21,804       | 905.5             | 426                             | 10.4              | 283                                | 6.9               |
| South                      |              |                   |                                 |                   |                                    |                   |
| South Atlantic .....       | 333,197      | 869.9             | 7,445                           | 13.2              | 5,150                              | 9.1               |
| Delaware .....             | 5,104        | 850.7             | 129                             | 14.1              | 95                                 | 10.3              |
| Maryland .....             | 34,098       | 798.5             | 762                             | 11.9              | 536                                | 8.4               |
| District of Columbia ..... | 6,713        | 1,072.4           | 197                             | 21.2              | 145                                | 15.6              |
| Virginia .....             | 41,904       | 764.0             | 1,039                           | 12.8              | 755                                | 9.3               |
| West Virginia .....        | 18,994       | 968.6             | 312                             | 11.4              | 197                                | 7.2               |
| North Carolina .....       | 48,551       | 806.6             | 1,175                           | 13.7              | 814                                | 9.5               |
| South Carolina .....       | 25,070       | 776.9             | 832                             | 16.1              | 552                                | 10.7              |
| Georgia .....              | 44,179       | 782.2             | 1,142                           | 12.7              | 751                                | 8.3               |
| Florida .....              | 108,584      | 1,037.5           | 1,857                           | 12.8              | 1,305                              | 9.0               |

See footnotes at end of table.

Table 13. Total deaths and death rates, and infant and neonatal deaths and mortality rates for the United States, each region, division, and State; and by race and sex for the United States: 1982—Con.

| Race, sex, and area            | Total deaths |                   | Infant deaths<br>(under 1 year) |                   | Neonatal deaths<br>(under 28 days) |                   |
|--------------------------------|--------------|-------------------|---------------------------------|-------------------|------------------------------------|-------------------|
|                                | Number       | Rate <sup>1</sup> | Number                          | Rate <sup>2</sup> | Number                             | Rate <sup>2</sup> |
| South—Con.                     |              |                   |                                 |                   |                                    |                   |
| East South Central . . . . .   | 131,567      | 885.5             | 3,028                           | 13.2              | 2,003                              | 8.7               |
| Kentucky . . . . .             | 32,990       | 893.6             | 680                             | 12.0              | 443                                | 7.8               |
| Tennessee . . . . .            | 40,292       | 865.4             | 807                             | 12.0              | 535                                | 8.0               |
| Alabama . . . . .              | 35,002       | 888.2             | 831                             | 13.8              | 557                                | 9.2               |
| Mississippi . . . . .          | 23,283       | 906.3             | 710                             | 15.4              | 468                                | 10.2              |
| West South Central . . . . .   | 198,864      | 787.7             | 5,407                           | 11.3              | 3,432                              | 7.2               |
| Arkansas . . . . .             | 22,419       | 971.8             | 357                             | 10.1              | 204                                | 5.8               |
| Louisiana . . . . .            | 35,776       | 816.2             | 1,097                           | 13.0              | 708                                | 8.4               |
| Oklahoma . . . . .             | 29,350       | 909.8             | 722                             | 12.3              | 434                                | 7.4               |
| Texas . . . . .                | 111,319      | 726.2             | 3,231                           | 10.9              | 2,086                              | 7.0               |
| West                           |              |                   |                                 |                   |                                    |                   |
| Mountain . . . . .             | 82,528       | 683.9             | 2,359                           | 10.0              | 1,448                              | 6.1               |
| Montana . . . . .              | 6,631        | 823.7             | 147                             | 10.1              | 95                                 | 6.5               |
| Idaho . . . . .                | 6,957        | 712.1             | 195                             | 9.9               | 123                                | 6.3               |
| Wyoming <sup>3</sup> . . . . . | 3,191        | 626.9             | 109                             | 9.8               | 65                                 | 5.9               |
| Colorado . . . . .             | 19,649       | 639.8             | 499                             | 9.1               | 311                                | 5.7               |
| New Mexico . . . . .           | 9,248        | 676.5             | 312                             | 11.3              | 182                                | 6.6               |
| Arizona . . . . .              | 21,969       | 759.6             | 491                             | 9.3               | 299                                | 5.7               |
| Utah . . . . .                 | 8,515        | 542.0             | 457                             | 11.0              | 282                                | 6.8               |
| Nevada . . . . .               | 6,368        | 726.9             | 149                             | 10.2              | 91                                 | 6.3               |
| Pacific . . . . .              | 249,358      | 753.8             | 5,712                           | 10.0              | 3,541                              | 6.2               |
| Washington . . . . .           | 32,300       | 755.4             | 740                             | 10.6              | 418                                | 6.0               |
| Oregon . . . . .               | 21,614       | 810.1             | 432                             | 10.5              | 253                                | 6.2               |
| California . . . . .           | 188,471      | 763.1             | 4,251                           | 9.9               | 2,690                              | 6.3               |
| Alaska . . . . .               | 1,785        | 402.0             | 125                             | 11.1              | 73                                 | 6.5               |
| Hawaii . . . . .               | 5,188        | 520.4             | 164                             | 8.8               | 107                                | 5.7               |

<sup>1</sup>Per 100,000 population in each race-sex group and area.<sup>2</sup>Per 1,000 live births in each race-sex group and area.<sup>3</sup>Wyoming infant and neonatal mortality data published in the 1981 Mortality Advance Report are incorrect. The correct 1981 numbers for Wyoming are 121 infant deaths and 76 neonatal deaths; the corresponding rates are 11.2 and 7.0 per 1,000 live births.



Table 14. Deaths and death rates for major causes of death for the United States, each region, division, and State; and by race and sex for the United States: 1982

[Rates per 100,000 population in each race-sex group and area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

| Race, sex, and area       | Diseases of heart<br>(390-398, 402,<br>404-429) |       | Malignant<br>neoplasms,<br>including<br>neoplasms<br>of lymphatic and<br>hematopoietic<br>tissues<br>(140-208) |       | Cerebrovascular<br>diseases<br>(430-438) |      | Accidents and<br>adverse effects<br>(E800-E949) |      | Motor vehicle<br>accidents<br>(E810-E825) |      | Suicide<br>(E950-E959) |      |
|---------------------------|---|-------|--|-------|--|------|---|------|---|------|------------------------|------|
|                           | Number  | Rate  | Number   | Rate  | Number                                   | Rate | Number  | Rate | Number                                    | Rate | Number                 | Rate |
| United States.....        | 755,592   | 326.0 | 433,795  | 187.2 | 157,710                                  | 68.0 | 94,082  | 40.6 | 45,779                                    | 19.8 | 28,242                 | 12.2 |
| Male.....                 | 398,570   | 353.9 | 233,864  | 207.6 | 63,855                                   | 56.7 | 65,754  | 58.4 | 33,191                                    | 29.5 | 21,625                 | 19.2 |
| Female.....               | 357,022   | 299.6 | 199,931  | 167.8 | 93,855                                   | 78.8 | 28,328  | 23.8 | 12,588                                    | 10.6 | 6,617                  | 5.6  |
| White.....                | 678,837   | 342.7 | 382,652  | 193.2 | 137,641                                  | 69.5 | 80,392  | 40.6 | 40,191                                    | 20.3 | 26,141                 | 13.2 |
| Male.....                 | 358,308   | 371.0 | 204,477  | 211.7 | 54,726                                   | 56.7 | 55,896  | 57.9 | 29,073                                    | 30.1 | 19,965                 | 20.7 |
| Female.....               | 320,529   | 315.8 | 178,175  | 175.6 | 82,915                                   | 81.7 | 24,496  | 24.1 | 11,118                                    | 11.0 | 6,176                  | 6.1  |
| All other.....            | 76,755  | 227.7 | 51,143   | 151.7 | 20,069                                   | 59.5 | 13,690  | 40.6 | 5,588                                     | 16.6 | 2,101                  | 6.2  |
| Male.....                 | 40,262  | 250.9 | 29,387   | 183.1 | 9,129                                    | 56.9 | 9,858   | 61.4 | 4,118                                     | 25.7 | 1,660                  | 10.3 |
| Female.....               | 36,493  | 206.7 | 21,756   | 123.2 | 10,940                                   | 62.0 | 3,832   | 21.7 | 1,470                                     | 8.3  | 441                    | 2.5  |
| Black.....                | 71,468  | 258.5 | 47,316   | 171.1 | 18,698                                   | 67.6 | 11,688  | 42.3 | 4,493                                     | 16.2 | 1,639                  | 5.9  |
| Male.....                 | 36,925  | 282.3 | 27,226   | 208.2 | 8,414                                    | 64.3 | 8,449   | 64.6 | 3,387                                     | 25.9 | 1,327                  | 10.1 |
| Female.....               | 34,543  | 237.0 | 20,090   | 137.9 | 10,284                                   | 70.6 | 3,239   | 22.2 | 1,106                                     | 7.6  | 312                    | 2.1  |
| Regions                   |   |       |  |       |  |      |   |      |   |      |                        |      |
| Northeast.....            | 193,844   | 393.1 | 105,845  | 214.7 | 32,334                                   | 65.6 | 16,214  | 32.9 | 7,081                                     | 14.4 | 4,485                  | 9.1  |
| North Central.....        | 203,712   | 345.7 | 112,536  | 191.0 | 42,239                                   | 71.7 | 21,205  | 36.0 | 9,988                                     | 17.0 | 6,645                  | 11.3 |
| South.....                | 241,953   | 308.6 | 142,267  | 181.5 | 56,944                                   | 72.6 | 37,069  | 47.3 | 18,892                                    | 24.1 | 10,149                 | 12.9 |
| West.....                 | 116,083   | 257.1 | 73,147   | 162.0 | 26,193                                   | 58.0 | 19,594  | 43.4 | 9,818                                     | 21.7 | 6,963                  | 15.4 |
| Northeast                 |   |       |  |       |  |      |   |      |   |      |                        |      |
| New England.....          | 44,060  | 354.4 | 26,341   | 211.9 | 8,246                                    | 66.3 | 4,150   | 33.4 | 1,784                                     | 14.3 | 1,229                  | 9.9  |
| Maine.....                | 4,114   | 362.1 | 2,429  | 213.8 | 799                                      | 70.3 | 428   | 37.7 | 191                                       | 16.8 | 148                    | 13.0 |
| New Hampshire.....        | 2,907   | 306.6 | 1,727  | 182.2 | 582                                      | 61.4 | 340   | 35.9 | 180                                       | 19.0 | 111                    | 11.7 |
| Vermont.....              | 1,769   | 340.2 | 978  | 188.1 | 342                                      | 65.8 | 215   | 41.3 | 95  | 18.3 | 83                     | 16.0 |
| Massachusetts.....        | 21,193  | 368.6 | 12,590   | 219.0 | 3,840                                    | 66.8 | 1,789   | 31.1 | 718                                       | 12.5 | 538                    | 9.4  |
| Rhode Island.....         | 3,694   | 387.6 | 2,206  | 231.5 | 589                                      | 61.8 | 273   | 28.6 | 120                                       | 12.6 | 108                    | 11.3 |
| Connecticut.....          | 10,383  | 332.1 | 6,411  | 205.1 | 2,094                                    | 67.0 | 1,105   | 35.3 | 480                                       | 15.4 | 241                    | 7.7  |
| Middle Atlantic.....      | 149,784   | 406.2 | 79,504   | 215.6 | 24,088                                   | 65.3 | 12,064  | 32.7 | 5,297                                     | 14.4 | 3,256                  | 8.8  |
| New York.....             | 73,016  | 415.6 | 36,877   | 209.9 | 10,814                                   | 61.6 | 5,528   | 31.5 | 2,305                                     | 13.1 | 1,331                  | 7.6  |
| New Jersey.....           | 28,160  | 379.2 | 16,062   | 216.3 | 4,701                                    | 63.3 | 2,392   | 32.2 | 1,118                                     | 15.1 | 578                    | 7.8  |
| Pennsylvania.....         | 48,608  | 409.2 | 26,565   | 223.6 | 8,573                                    | 72.2 | 4,144   | 34.9 | 1,874                                     | 15.8 | 1,347                  | 11.3 |
| North Central             |   |       |  |       |  |      |   |      |   |      |                        |      |
| East North Central.....   | 143,598   | 345.3 | 79,287   | 190.7 | 28,417                                   | 68.3 | 14,148  | 34.0 | 6,783                                     | 16.3 | 4,674                  | 11.2 |
| Ohio.....                 | 37,676  | 349.8 | 21,412   | 198.8 | 7,372                                    | 68.4 | 3,578   | 33.2 | 1,661                                     | 15.4 | 1,280                  | 11.9 |
| Indiana.....              | 18,114  | 330.4 | 10,120   | 184.6 | 4,173                                    | 76.1 | 2,065   | 37.7 | 1,020                                     | 18.6 | 624                    | 11.4 |
| Illinois.....             | 41,181  | 359.2 | 22,151   | 193.2 | 7,675                                    | 66.9 | 3,772   | 32.9 | 1,744                                     | 15.2 | 1,085                  | 9.5  |
| Michigan.....             | 30,151  | 330.7 | 16,615   | 182.3 | 5,857                                    | 64.2 | 3,129   | 34.3 | 1,566                                     | 17.2 | 1,102                  | 12.1 |
| Wisconsin.....            | 16,476  | 347.2 | 8,989  | 189.4 | 3,340                                    | 70.4 | 1,604   | 33.8 | 792                                       | 16.7 | 583                    | 12.3 |
| West North Central.....   | 60,114  | 346.6 | 33,249   | 191.7 | 13,822                                   | 79.7 | 7,057   | 40.7 | 3,205                                     | 18.5 | 1,971                  | 11.4 |
| Minnesota.....            | 12,315  | 298.0 | 7,193  | 174.0 | 3,021                                    | 73.1 | 1,477   | 35.7 | 632                                       | 15.3 | 470                    | 11.4 |
| Iowa.....                 | 10,814  | 372.1 | 5,786  | 199.1 | 2,426                                    | 83.5 | 1,121   | 38.6 | 516                                       | 17.8 | 309                    | 10.6 |
| Missouri.....             | 18,254  | 369.4 | 10,432   | 211.1 | 4,011                                    | 81.2 | 2,085   | 42.2 | 918                                       | 18.6 | 583                    | 11.8 |
| North Dakota.....         | 2,029   | 301.9 | 1,167  | 173.7 | 482                                      | 71.7 | 324   | 48.2 | 158                                       | 23.5 | 73                     | 10.9 |
| South Dakota.....         | 2,691   | 387.8 | 1,264  | 182.1 | 570                                      | 82.1 | 368   | 53.0 | 167                                       | 24.1 | 95                     | 13.7 |
| Nebraska.....             | 5,716   | 359.7 | 2,978  | 187.4 | 1,362                                    | 85.7 | 648   | 40.8 | 273                                       | 17.2 | 164                    | 10.3 |
| Kansas.....               | 8,295   | 344.5 | 4,429  | 183.9 | 1,950                                    | 81.0 | 1,034   | 42.9 | 541                                       | 22.5 | 277                    | 11.5 |
| South                     |   |       |  |       |  |      |   |      |   |      |                        |      |
| South Atlantic.....       | 123,349   | 322.0 | 74,272   | 193.9 | 27,858                                   | 72.7 | 16,747  | 43.7 | 8,214                                     | 21.4 | 5,262                  | 13.7 |
| Delaware.....             | 1,983   | 330.5 | 1,217  | 202.8 | 303                                      | 50.5 | 233   | 38.8 | 126                                       | 21.0 | 76                     | 12.7 |
| Maryland.....             | 12,583  | 294.7 | 8,326  | 195.0 | 2,252                                    | 52.7 | 1,504   | 35.2 | 691                                       | 16.2 | 430                    | 10.1 |
| District of Columbia..... | 2,118   | 338.3 | 1,543  | 246.5 | 420                                      | 67.1 | 230   | 36.7 | 48  | 7.7  | 74                     | 11.8 |
| Virginia.....             | 15,480  | 282.2 | 9,565  | 174.4 | 3,455                                    | 63.0 | 2,054   | 37.4 | 875                                       | 16.0 | 763                    | 13.9 |
| West Virginia.....        | 7,916   | 403.7 | 3,914  | 199.6 | 1,434                                    | 73.1 | 916   | 46.7 | 457                                       | 23.3 | 230                    | 11.7 |

Table 14. Deaths and death rates for major causes of death for the United States, each region, division, and State; and by race and sex for the United States: 1982—Con.

[Rates per 100,000 population in each race-sex group and area. Numbers after causes of death are category numbers of the *Ninth Revision International Classification of Diseases, 1975*]

| Race, sex, and area          | Diseases of heart<br>(390-398, 402,<br>404-429) |       | Malignant<br>neoplasms,<br>including<br>neoplasms<br>of lymphatic and<br>hematopoietic<br>tissues<br>(140-208) |       | Cerebrovascular<br>diseases<br>(430-438) |      | Accidents and<br>adverse effects<br>(E800-E949) |      | Motor vehicle<br>accidents<br>(E810-E825) |      | Suicide<br>(E950-E959) |      |
|------------------------------|---|-------|--|-------|--|------|---|------|---|------|------------------------|------|
|                              | Number  | Rate  | Number   | Rate  | Number                                   | Rate | Number  | Rate | Number                                    | Rate | Number                 | Rate |
| South—Con.                   |   |       |  |       |  |      |   |      |   |      |                        |      |
| South Atlantic—Con.          |   |       |  |       |  |      |   |      |   |      |                        |      |
| North Carolina . . . . .     | 17,849  | 296.5 | 10,186   | 169.2 | 4,591                                    | 76.3 | 2,734   | 45.4 | 1,364                                     | 22.7 | 799                    | 13.3 |
| South Carolina . . . . .     | 9,087   | 281.6 | 5,063  | 156.9 | 2,372                                    | 73.5 | 1,543   | 47.8 | 751                                       | 23.3 | 369                    | 11.4 |
| Georgia . . . . .            | 15,642  | 276.9 | 8,916  | 157.9 | 4,252                                    | 75.3 | 2,720   | 48.2 | 1,270                                     | 22.5 | 743                    | 13.2 |
| Florida . . . . .            | 40,691  | 388.8 | 25,542   | 244.0 | 8,779                                    | 83.9 | 4,813   | 46.0 | 2,632                                     | 25.1 | 1,778                  | 17.0 |
| East South Central . . . . . | 47,834  | 321.9 | 27,620   | 185.9 | 12,283                                   | 82.7 | 7,342   | 49.4 | 3,709                                     | 25.0 | 1,737                  | 11.7 |
| Kentucky . . . . .           | 12,610  | 341.5 | 7,190  | 194.7 | 2,910                                    | 78.8 | 1,800   | 48.8 | 871                                       | 23.6 | 500                    | 13.5 |
| Tennessee . . . . .          | 14,884  | 319.7 | 8,640  | 185.6 | 3,948                                    | 84.8 | 2,093   | 45.0 | 1,097                                     | 23.6 | 586                    | 12.6 |
| Alabama . . . . .            | 12,115  | 307.4 | 7,322  | 185.8 | 3,322                                    | 84.3 | 1,926   | 48.9 | 982                                       | 24.9 | 428                    | 10.9 |
| Mississippi . . . . .        | 8,225   | 320.2 | 4,468  | 173.9 | 2,103                                    | 81.9 | 1,523   | 59.3 | 759                                       | 29.5 | 223                    | 8.7  |
| West South Central . . . . . | 70,770  | 280.3 | 40,375   | 159.9 | 16,803                                   | 66.6 | 12,980  | 51.4 | 6,969                                     | 27.6 | 3,150                  | 12.5 |
| Arkansas . . . . .           | 8,353   | 362.1 | 4,663  | 202.1 | 2,190                                    | 94.9 | 1,176   | 51.0 | 577                                       | 25.0 | 276                    | 12.0 |
| Louisiana . . . . .          | 13,029  | 297.3 | 7,366  | 168.1 | 2,954                                    | 67.4 | 2,293   | 52.3 | 1,100                                     | 25.1 | 550                    | 12.5 |
| Oklahoma . . . . .           | 10,961  | 339.8 | 5,883  | 182.4 | 2,537                                    | 78.6 | 2,017   | 62.5 | 1,099                                     | 34.1 | 455                    | 14.1 |
| Texas . . . . .              | 38,427  | 250.7 | 22,463   | 146.5 | 9,122                                    | 59.5 | 7,494   | 48.9 | 4,193                                     | 27.4 | 1,869                  | 12.2 |
| West                         |   |       |  |       |  |      |   |      |   |      |                        |      |
| Mountain . . . . .           | 27,404  | 227.1 | 16,719   | 138.5 | 5,633                                    | 46.7 | 6,061   | 50.2 | 3,202                                     | 26.5 | 2,099                  | 17.4 |
| Montana . . . . .            | 2,243   | 278.6 | 1,374  | 170.7 | 526                                      | 65.3 | 475   | 59.0 | 234                                       | 29.1 | 126                    | 15.7 |
| Idaho . . . . .              | 2,413   | 247.0 | 1,372  | 140.4 | 575                                      | 58.9 | 503   | 51.5 | 237                                       | 24.3 | 138                    | 14.1 |
| Wyoming . . . . .            | 1,073   | 210.8 | 571  | 112.2 | 203                                      | 39.9 | 344   | 67.6 | 192                                       | 37.7 | 96                     | 18.9 |
| Colorado . . . . .           | 6,643   | 216.3 | 3,843  | 125.1 | 1,320                                    | 43.0 | 1,372   | 44.7 | 675                                       | 22.0 | 504                    | 16.4 |
| New Mexico . . . . .         | 2,372   | 173.5 | 1,875  | 137.2 | 576                                      | 42.1 | 852   | 62.3 | 544                                       | 39.8 | 270                    | 19.8 |
| Arizona . . . . .            | 7,606   | 263.0 | 4,790  | 165.6 | 1,391                                    | 48.1 | 1,396   | 48.3 | 726                                       | 25.1 | 509                    | 17.6 |
| Utah . . . . .               | 2,959   | 188.4 | 1,472  | 93.7  | 650                                      | 41.4 | 617   | 39.3 | 327                                       | 20.8 | 202                    | 12.9 |
| Nevada . . . . .             | 2,095   | 239.2 | 1,422  | 162.3 | 392                                      | 44.7 | 502   | 57.3 | 267                                       | 30.5 | 254                    | 29.0 |
| Pacific . . . . .            | 88,679  | 268.1 | 56,428   | 170.6 | 20,560                                   | 62.1 | 13,533  | 40.9 | 6,616                                     | 20.0 | 4,864                  | 14.7 |
| Washington . . . . .         | 11,685  | 273.3 | 7,311  | 171.0 | 2,649                                    | 62.0 | 1,769   | 41.4 | 826                                       | 19.3 | 572                    | 13.4 |
| Oregon . . . . .             | 7,633   | 286.1 | 4,787  | 179.4 | 1,880                                    | 70.5 | 1,109   | 41.6 | 553                                       | 20.7 | 392                    | 14.7 |
| California . . . . .         | 67,295  | 272.5 | 42,738   | 173.0 | 15,572                                   | 63.1 | 9,950   | 40.3 | 4,986                                     | 20.2 | 3,749                  | 15.2 |
| Alaska . . . . .             | 390   | 87.8  | 338  | 76.1  | 91                                       | 20.5 | 381   | 85.8 | 98  | 22.1 | 54                     | 12.2 |
| Hawaii . . . . .             | 1,676   | 168.1 | 1,254  | 125.8 | 368                                      | 36.9 | 324   | 32.5 | 153                                       | 15.3 | 97                     | 9.7  |

## Technical notes

### Nature and sources of data

Data shown in this report are based on information from all death certificates filed in the 50 States and the District of Columbia.

Mortality statistics are based on information coded by the National Center for Health Statistics (NCHS) from copies of the original certificates received from the State registration offices, and on State-coded data provided to NCHS through the Vital Statistics Cooperative Program (VSCP). In 1982, 46 States participated in this program. For these States part or all of the mortality data for 1982 were provided on computer tape to NCHS. The following 16 States in the VSCP submitted precoded medical and nonmedical data for all deaths on computer tape: Colorado, Iowa, Kansas, Louisiana, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Nebraska, New Hampshire, North Carolina, Pennsylvania, South Carolina, Virginia, and Wisconsin. The following 16 VSCP States submitted precoded nonmedical data for all deaths and precoded medical data for part of the deaths, along with copies of the original certificates from which NCHS coded the remaining medical data: Alabama, Arkansas, Florida, Idaho, Illinois, Indiana, Kentucky, Montana, North Dakota, Ohio, Oklahoma, Rhode Island, Tennessee, Texas, Washington, and West Virginia. The remaining 14 VSCP States submitted only precoded nonmedical data (Alaska, Connecticut, Hawaii, Maryland, Missouri, Nevada, New Jersey, New Mexico, New York, Oregon, South Dakota, Utah, Vermont, and Wyoming). For the four States and the District of Columbia that were not participants in the VSCP in 1982, NCHS coded all the nonmedical data and all or part of the medical data.

Data for the United States as a whole refer to events occurring within the United States. Data shown for geographic areas are by place of residence. Beginning with 1970, mortality statistics exclude deaths of nonresidents of the United States. All data exclude fetal deaths.

### Cause-of-death classification

The mortality statistics presented here were compiled in accordance with the World Health Organization regulations, which specify that member nations classify causes of death by the current *Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death*.<sup>1</sup>

Causes of death for 1979–82 were classified according to the *Ninth Revision International Classification of Diseases*.<sup>1</sup> For earlier years, causes of death were classified according to the revisions then in use, as follows: 1968–78, Eighth Revision; 1958–67, Seventh Revision; and 1949–57, Sixth Revision. Changes in classification of causes of death due to these revisions may result in discontinuities in cause-of-death trends. Consequently, cause-of-death comparisons between

revisions require consideration of the comparability ratios and, where available, estimates of their standard errors. Comparability ratios between the Eighth and Ninth Revisions, between the Seventh and Eighth Revisions, and between the Sixth and Seventh Revisions may be found in other NCHS reports.<sup>2–4</sup>

Besides specifying the classification, the World Health Organization regulations outline the form of medical certification and the coding procedures to be used. In general, when more than one cause of death is reported, the cause designated by the certifying physician as the underlying cause of death is the cause tabulated.

Cause-of-death data presented in this publication were coded by procedures outlined in issues of Part 2a of the *NCHS Instruction Manual*.<sup>5</sup>

### Population bases for computing rates

The population used for computing rates shown in this report (furnished by the U.S. Bureau of the Census represents the population residing in the specified area. Death rates for 1982 are based on populations estimated as of July 1, 1982.<sup>6,7</sup> The estimates are based on the 1980 census count. The 1980 census counts by race were modified to be consistent with Office of Management and Budget categories and historical categories for death data. The modification procedures are discussed in detail in a Census Bureau report.<sup>8</sup>

### Cause-of-death ranking

The cause-of-death rankings shown in tables B, C, and D are based on the List of 72 Selected Causes of Death, and the cause-of-death ranking for infants in table 4 is based on the list of 61 Selected Causes of Infant Death.

The group titles Major cardiovascular diseases and Symptoms, signs, and ill-defined conditions are not ranked from the List of 72 Selected Causes of Death; and Certain conditions originating in the perinatal period and Symptoms, signs, and ill-defined conditions are not ranked from the List of 61 Selected Causes of Infant Death. In addition, category titles that begin with the words "Other" or "All other" are not ranked to determine the leading causes of death. When one of the titles that represents a subtotal is ranked (for example Tuberculosis), its component parts (in this case, Tuberculosis of respiratory system and Other tuberculosis) are not ranked.

### Age-adjusted rates

The age-adjusted rates presented in this report were computed by the direct method, that is, by applying the age-specific death rates for a given cause of death to the standard population distributed by age. The total population as enumerated in 1940 was selected as the standard. The rates for the total population and for each race-sex group were adjusted separately by using the same standard population. The age-adjusted rates were based on 10-year age groups. It is important not to compare age-adjusted death rates with crude rates.

NOTE: A list of references follows the text.

This report presents summary tabulations from the final mortality statistics for 1982. More detailed tabulations for 1982 will be published in *Vital Statistics of the United States, 1982, Volume II—Mortality*. Prior to the publication of that volume, the National Center for Health Statistics will respond to requests for unpublished data whenever possible.

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### Symbols

- - - Data not available
  - . . . Category not applicable
  - Quantity zero
  - 0.0 Quantity more than 0 but less than 0.05
  - Z Quantity more than zero but less than 500 where numbers are rounded to thousands
  - \* Figure does not meet standards of reliability or precision
- 

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