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VITAL STATISTICS REPORT *Advance Report*

Final Mortality Statistics, 1977

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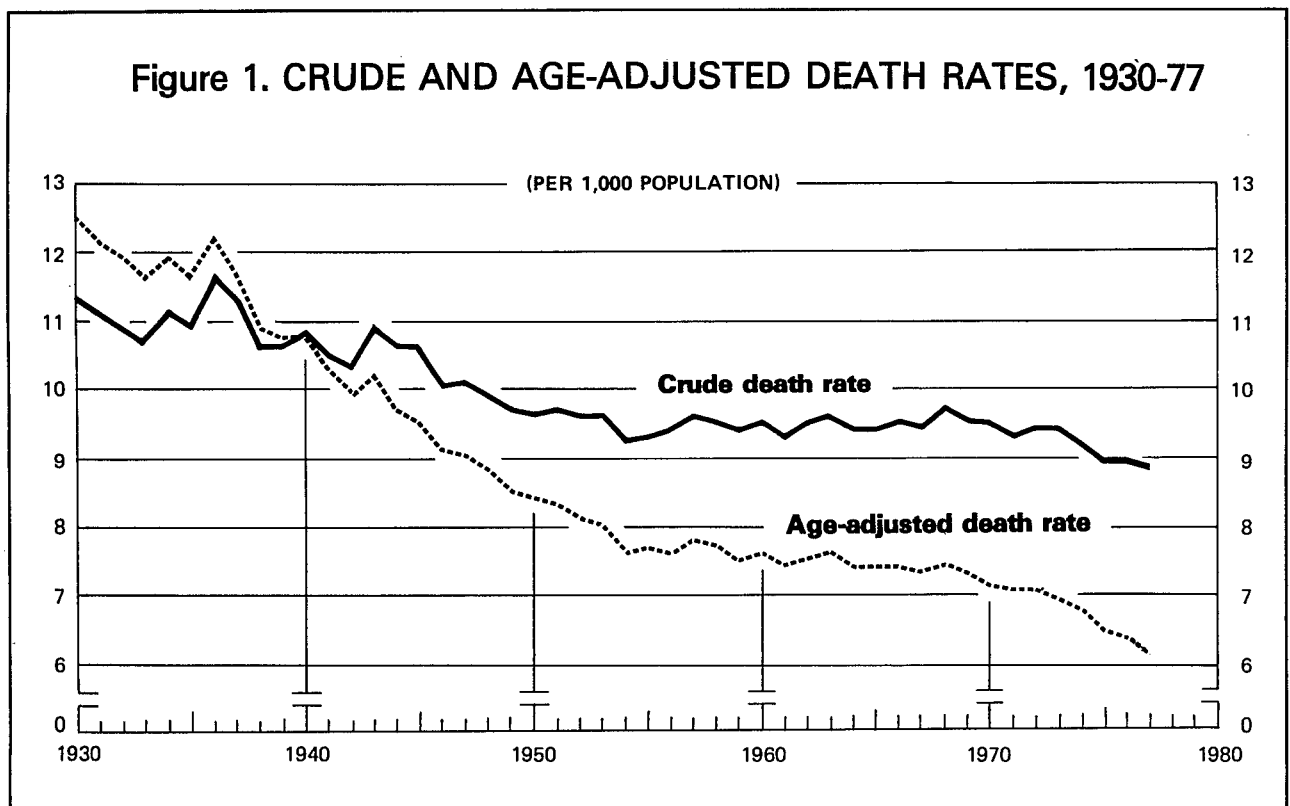
Deaths and Death Rates

In 1977 there were 1,899,597 resident deaths recorded in the United States, 9,843 fewer than in 1976. On the basis of final mortality data, the death rate reached a record low in 1977—8.8 deaths per 1,000 population compared with 8.9 recorded in 1976. Provisional data indicate that the number of deaths in 1978 was about 1,924,000, yielding an estimated death rate of 8.8 deaths per 1,000 population.

The age-adjusted death rate declined from 6.3 in 1976 to 6.1 in 1977, the lowest level ever recorded in the United States (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 dying over a period of time.

In 1977 life expectancy reached a record high of 73.2 years, and infant mortality attained

Figure 1. CRUDE AND AGE-ADJUSTED DEATH RATES, 1930-77



a new low of 14.1 deaths under 1 year of age per 1,000 live births.

Death Rates by Age, Color, and Sex

The death rate declined for most age groups of both sexes between 1976 and 1977. The exceptions were for males aged 10-24 years and for females aged 10-24 years and 45-64 years. The following table shows percent change in death rates for specified age groups:

Age	Percent change		
	Total	Male	Female
All ages	-1.3	-1.3	-1.3
Under 1 year	-6.9	-5.9	-8.1
1-4 years	-1.6	-2.2	-0.8
5-9 years	-2.3	-1.0	-4.2
10-14 years	+1.4	+0.9	+2.0
15-24 years	+3.2	+3.0	+3.6
25-44 years	-1.7	-1.0	-3.0
45-64 years	-2.0	-2.4	+1.5
65-74 years	-2.3	-2.5	-2.1
75-84 years	-2.0	-1.3	-2.6
85 years and over	-4.9	-3.8	-5.4

Between 1976 and 1977, crude death rates declined for both males and females. The rates decreased less rapidly for the white population than for the population of all other races. The unadjusted death rate for males declined from 10.1 deaths per 1,000 population in 1976 to 9.9 deaths per 1,000 population in 1977, while that for females decreased from 7.8 to 7.7 deaths per 1,000 population. The age-adjusted death rate for males decreased 2.4 percent between 1976 and 1977, from 8.3 to 8.1 deaths per 1,000 population, while that for females decreased 2.2 percent, from 4.6 to 4.5 deaths per 1,000 population. In 1977, as in 1976, the age-adjusted death rate for males was 1.8 times that for females.

For the white population the unadjusted crude death rate decreased from 9.0 deaths per 1,000 population in 1976 to 8.9 deaths per 1,000 population in 1977. For all other races the unadjusted death rate decreased from 8.2 to 8.1 deaths per 1,000 population. The age-adjusted death rates decreased 1.7 percent for the white population and 2.4 percent for the

population of all other races. Nevertheless, in 1977, as in the previous year, the age-adjusted death rate for persons of races other than white (8.1 per 1,000 population) was 1.4 times that for the white population (5.9 per 1,000).

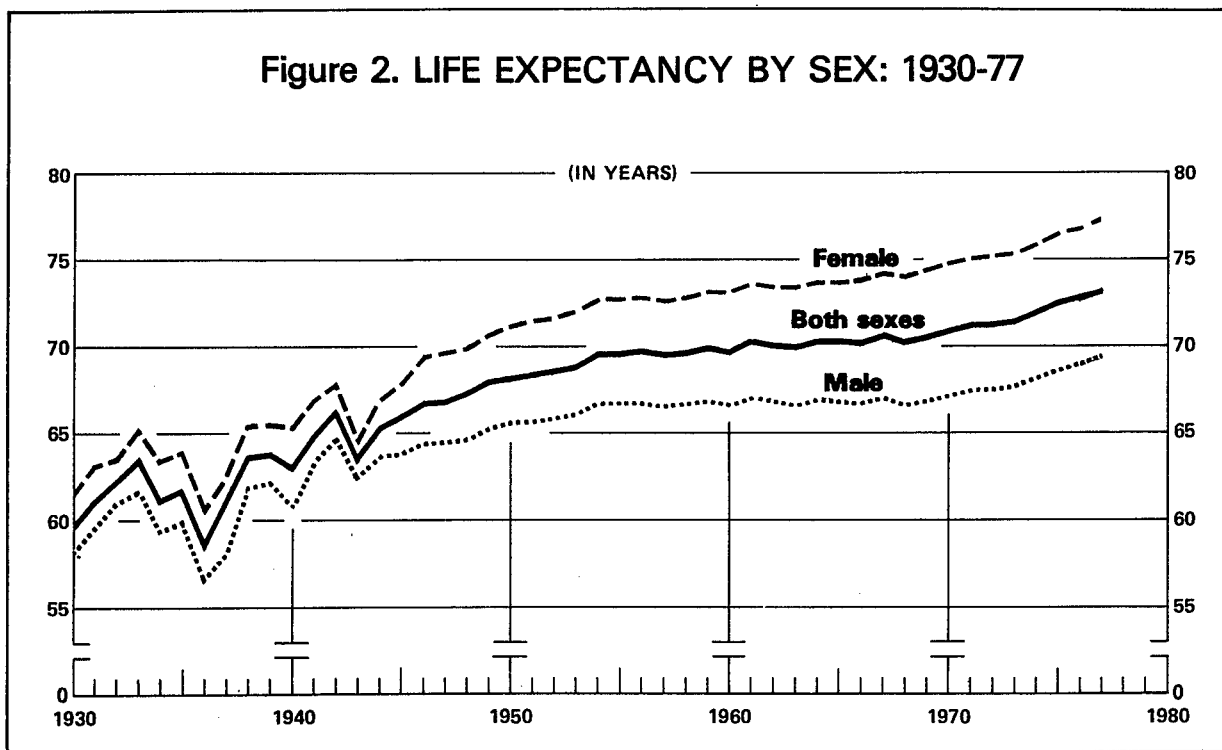
Expectation of Life at Birth

The expectation of life at birth attained a record high of 73.2 years in 1977 for the total population. This continues the general upward trend in this measure over the past several decades (figure 2).

Under the mortality conditions prevailing in 1948, a child born in that year could expect to live an average of 67.2 years. Between 1948 and 1968, 3 years were added to life expectancy and an additional 3 years were added between 1968 and 1977. Thus, the gain in the 20-year period was the same as the gain during the last 9 years. The expectation of life at birth 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 1977.

Recent gains in life expectancy have been greater for females than for males and for races other than white than for the white population. For 1977, life expectancy for males (69.3 years) increased 0.3 years from 1976 and 2.7 years from 1968. For 1977, life expectancy for females (77.1 years) increased 0.4 years from 1976 and 3.0 years from 1968. Life expectancy for females was 7.8 years greater than that for males in 1977 compared with a difference of 7.5 years in 1968.

For the white population, life expectancy increased from 73.5 years in 1976 to 73.8 years in 1977. This was an increase of 2.7 years between 1968 and 1977. For all other races, life expectancy increased from 68.3 years in 1976 to 68.8 years in 1977. This was an increase of 4.7 years between 1968 and 1977. Because of the greater reductions in mortality for the population of races other than white, the difference in life expectancy between the white population and that of all other races has narrowed since 1968. In 1968 life expectancy for the white population was 7.0 years greater than that for all other races; in 1977 the difference had been reduced to 5.0 years.



Cause of Death

The 15 leading causes of death in the United States are ranked according to the number of deaths assigned to them in 1977 (table A). The rank of 14 of the leading causes of death remained unchanged between 1976 and 1977, but Septicemia replaced Peptic ulcer as the 15th leading cause of death in 1977.

The age-adjusted death rates per 100,000 population are shown for 13 of the 15 leading causes in 1977 (table B). Deaths from the other two causes (Congenital anomalies and Certain causes of mortality in early infancy), which occur almost entirely at ages under 1 year, are measured by the number of deaths at ages under 1 year per 100,000 live births. For these causes the changes in mortality between 1976 and 1977 are shown in the Infant Mortality section.

Age-adjusted death rates were lower in 1977 than they were in both 1968 and 1976 for 8 of the 13 leading causes. The largest recorded decrease was in the rate for deaths due to Influenza and pneumonia, which in 1977 was 18.4 percent below that for 1976 and 47.2 percent below that for 1968. The low

Table A. DEATH RATES FOR 15 LEADING CAUSES OF DEATH: UNITED STATES, 1977

Rank ¹	Cause of death	Death rate (per 100,000 population)	Percent of total deaths
	All causes	878.1	100.0
1	Diseases of heart	332.3	37.8
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	178.7	20.4
3	Cerebrovascular diseases	84.1	9.6
4	Accidents	47.7	5.4
...	Motor vehicle accidents	22.9	...
...	All other accidents	24.8	...
5	Influenza and pneumonia	23.7	2.7
6	Diabetes mellitus	15.2	1.7
7	Cirrhosis of liver	14.3	1.6
8	Arteriosclerosis	13.3	1.5
9	Suicide	13.3	1.5
10	Certain causes of mortality in early infancy	10.8	1.2
11	Bronchitis, emphysema, and asthma	10.3	1.2
12	Homicide	9.2	1.0
13	Congenital anomalies	6.0	0.7
14	Nephritis and nephrosis	3.9	0.4
15	Septicemia	3.3	0.4
...	All other causes	112.0	12.8

¹ Rank based on number of deaths. See Explanatory Notes.

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Table B. AGE-ADJUSTED DEATH RATES FOR 15 LEADING CAUSES OF DEATH AND PERCENT CHANGE FROM 1976 TO 1977 AND 1968 TO 1977: UNITED STATES, 1977

Rank	Cause of death	Age-adjusted death rate (per 100,000 population)	Percent change from	
			1976 to 1977	1968 to 1977
	All causes.....	612.3	-2.4	-17.7
1	Diseases of heart.....	210.4	-2.9	-21.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....	133.0	+0.5	+2.9
3	Cerebrovascular diseases.....	48.2	-6.2	-32.4
4	Accidents.....	43.8	+1.4	-20.4
...	Motor vehicle accidents.....	22.4	+4.2	-21.1
...	All other accidents.....	21.4	-1.4	-19.9
5	Influenza and pneumonia.....	14.2	-18.4	-47.2
6	Diabetes mellitus.....	10.4	-6.3	-28.8
7	Cirrhosis of liver.....	13.1	-3.7	-5.8
8	Arteriosclerosis.....	6.2	-3.1	-35.4
9	Suicide.....	12.9	+4.9	+18.3
10	Certain causes of mortality in early infancy.....	(1)	(1)	(1)
11	Bronchitis, emphysema, and asthma.....	7.2	-8.9	-43.8
12	Homicide.....	9.6	+1.1	+15.7
13	Congenital anomalies.....	(1)	(1)	(1)
14	Nephritis and nephrosis.....	2.7	-3.6	-30.8
15	Septicemia.....	2.4	+4.3	+100.0

¹Inasmuch as deaths from these causes occur almost entirely among infants, rates adjusted to the total population of the United States in 1940 are not shown.

rate for 1977 is due in part to the absence of an influenza epidemic, while 1968 and 1976 were both characterized by major outbreaks of Influenza.¹ The other leading causes for which 1977 age-adjusted death rates were below those for 1968 and 1976 were Diseases of heart; Cerebrovascular diseases; Diabetes mellitus; Cirrhosis of liver; Arteriosclerosis; Nephritis and nephrosis; and Bronchitis, emphysema, and asthma. However, decreases in the death rate for Bronchitis, emphysema, and asthma were associated with changes in medical classification rather than with actual reductions in the risk of dying from this cause, as discussed below. Higher age-adjusted death rates in 1977 than in 1968 and 1976 were recorded for 4 of the 13 leading causes. The causes with an increased relative risk of dying in 1977 compared with 1968 and 1976 were Malignant neoplasms, Suicide, Homicide, and Septicemia.

¹Center for Disease Control: Reported morbidity and mortality in the United States, 1977. *Morbidity and Mortality Weekly Report*, Annual Summary, Vol. 26, No. 53. DHEW Pub. No. (CDC) 78-8241. Atlanta, Ga., Sept. 1978.

The age-adjusted rate for Accidents in 1977 was also higher than that in 1976 but lower than that in 1968.

Diseases of heart.—As in previous years, Diseases of heart—the leading cause of death in the United States—accounted for almost 4 of every 10 deaths in 1977. There were 718,850 deaths assigned to this cause in 1977, a decrease of 5,028 deaths between 1976 and 1977. The unadjusted death rate for Diseases of heart (332.3 deaths per 100,000 population) for 1977 was lower than that for 1976 (337.2 deaths per 100,000 population). The age-adjusted rate decreased 2.9 percent, from 216.7 deaths per 100,000 population in 1976 to 210.4 deaths per 100,000 population in 1977. Between 1968 and 1977 the age-adjusted rate decreased 21.6 percent.

Deaths rates for Diseases of heart decreased for most age groups between 1976 and 1977. However, death rates for this cause increased at ages 1-4 years.

Each of the four color-sex groups (white males, white females, all other males, and all other females) experienced lower age-adjusted death rates for Diseases of heart in 1977 than in

the previous year. For 1977 the age-adjusted rate for males was 2.1 times the rate for females, and that for all other races was 1.2 times that for the white population.

Deaths from Ischemic heart disease constituted 88.8 percent of all deaths in 1977 assigned to Diseases of heart. The age-adjusted rate for Ischemic heart disease in 1977 (185.0 per 100,000 population) decreased 3.4 percent from the rate in 1976 (191.6 per 100,000 population) and was 23.4 percent below the rate in 1968 (241.6 per 100,000 population).

Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.—In 1977 there were 386,686 deaths from this second leading cause of death, 9,374 more than in 1976. Between 1976 and 1977 the death rate for this cause increased from 175.8 to 178.7 deaths per 100,000 population. The age-adjusted rate for Malignant neoplasms increased 0.5 percent between 1976 and 1977 and 2.9 percent between 1968 and 1977. Death rates for this cause generally decreased or remained the same between 1968 and 1977 for age groups under 45 years, while they increased for age groups 45 years and over. The exception was an increase between 1976 and 1977 in the death rate at ages under 1 year.

Among each of the four color-sex groups the age-adjusted death rate for Malignant neoplasms increased between 1976 and 1977. The greatest increase (2.6 percent) was experienced by the female population of all other races, whose rate increased from 119.3 to 122.4 deaths per 100,000 population. For males of all other races it increased from 202.3 to 205.4 deaths per 100,000 population; for white males, from 159.1 to 160.0; and for white females, from 108.2 to 108.3. For 1977, as for the previous year, the age-adjusted rate for males was 1.5 times that for females; that for all other races was 1.2 times that for the white population.

The age-adjusted rate was higher for 1977 than it was for 1976 for the following six of the nine major components into which Malignant neoplasms may be classified: Malignant neoplasms of buccal cavity and pharynx, Malignant neoplasms of respiratory system, Malignant neoplasm of breast, Malignant neoplasms of urinary organs, Malignant neoplasms of all other and unspecified sites, and Other

neoplasms of lymphatic and hematopoietic tissues. The rate was lower in 1977 than in 1976 for Malignant neoplasms of digestive organs and peritoneum and for Malignant neoplasms of genital organs. For Leukemia the age-adjusted death rate remained unchanged between the 2 years.

Among the components of Malignant neoplasms a large increase (2.4 percent) occurred in the age-adjusted rates between 1976 and 1977 for Malignant neoplasms of respiratory system, from 33.5 to 34.3 deaths per 100,000 population. This increase was reflected in a 5.4-percent increase in the age-adjusted rate for white females (from 14.8 to 15.6 deaths per 100,000 population) and a 9.8-percent increase for all other females (from 14.3 to 15.7 deaths per 100,000 population). The 1977 rates for females were still well below those for males for Malignant neoplasms of respiratory system. For white males the rate was 56.4 deaths per 100,000 population; and for all other males it was 71.4 deaths per 100,000 population in 1977.

Cerebrovascular diseases.—There were 181,934 deaths in 1977 for Cerebrovascular diseases, the third leading cause of death in the United States. The unadjusted death rate for 1977 was 84.1 deaths per 100,000 population compared with the 1976 rate of 87.9 deaths per 100,000 population. The age-adjusted rate decreased 6.2 percent, from 51.4 deaths per 100,000 population in 1976 to 48.2 deaths per 100,000 population in 1977. From 1968 to 1977 the rate decreased by almost one-third.

Death rates for Cerebrovascular diseases decreased or remained the same at most ages from 1968 to 1977 and also from 1976 to 1977. The exceptions were that the death rates at ages under 1 year and 1-4 years increased between 1976 and 1977.

Decreases in mortality for each of the four color-sex groups contributed to the overall reduction in the age-adjusted rate for Cerebrovascular diseases. For 1977 the age-adjusted death rate for all other races was 1.6 times the rate for the white population, while the rate for males was 1.2 times that for females.

Accidents.—The number of deaths attributed to Accidents in 1977 was 103,202, an increase of 2,441 deaths for 1976. The number of deaths from Motor vehicle accidents increased from 47,038 in 1976 to 49,510 in 1977, while the

number of deaths due to All other accidents decreased from 53,723 to 53,692. The unadjusted death rate for Accidents increased from 46.9 deaths per 100,000 population in 1976 to 47.7 deaths per 100,000 population in 1977.

The age-adjusted death rate for Accidents (43.8 deaths per 100,000 population in 1977) increased 1.4 percent between 1976 and 1977 but decreased by 20.4 percent between 1968 and 1977. The increase between 1976 and 1977 in the age-adjusted death rate for Accidents was a result of a 4.2-percent increase in that rate for Motor vehicle accidents, from 21.5 to 22.4 deaths per 100,000 population. The rate for All other accidents decreased 1.4 percent, from 21.7 to 21.4 deaths per 100,000 population.

The death rates for Accidents generally decreased at all ages between 1968 and 1977. However, between 1976 and 1977 the death rates for Accidents and for Motor vehicle accidents increased at ages 5-64 years. The largest percent increase between 1976 and 1977 was at ages 15-24 years, 4.3 percent for Accidents and 7.6 percent for Motor vehicle accidents.

The increase in the age-adjusted rate for Motor vehicle accidents of 4.2 percent between 1976 and 1977 compares with a 0.9-percent increase between 1975 and 1976, a 2.3-percent decrease between 1974 and 1975, and a 17.4-percent decrease between 1973 and 1974, when there were serious gasoline shortages and legislation was passed establishing a maximum speed limit of 55 miles per hour on the Nation's highways.

Among the four color-sex groups the greatest increase in accident mortality between 1976 and 1977 was for white females, for whom the age-adjusted death rate increased 2.3 percent, from 22.2 to 22.7 deaths per 100,000 population. For all other males the age-adjusted death rate in 1977 was 84.5 deaths per 100,000; for white males the rate was 63.2 per 100,000; and for all other females the rate was 25.8 per 100,000. In 1977 the age-adjusted death rate for males was 2.8 times that for females, while the age-adjusted rate for all other races was 1.2 times that for the white population.

Influenza and pneumonia.—In 1977 there were 51,193 deaths from Influenza and pneumonia, the fifth leading cause of death, compared with 61,866 deaths in the previous year.

Decreases between 1976 and 1977 reflect the absence of an influenza epidemic in 1977. The death rate between the 2 years decreased from 28.8 to 23.7 deaths per 100,000 population. The age-adjusted death rate decreased from 17.4 to 14.2 deaths per 100,000 population between 1976 and 1977, a reduction of 18.4 percent.

For the 10-year period 1968-77, seven outbreaks of Influenza occurred. The age-adjusted rates for Influenza in these epidemic years ranged from 1.2 to 2.5 deaths per 100,000 population. For the nonepidemic years the age-adjusted rates were 0.5 per 100,000 population for 1971, 0.6 per 100,000 for 1974, and 0.3 per 100,000 for 1977. The effect of influenza epidemics appears to be reflected in elevated levels of mortality for other causes of death. Thus, the reduction in death rates between 1968 and 1977 for a number of chronic diseases may have been associated with the relatively high death rates due to the 1968 influenza epidemic.

Diabetes mellitus.—In 1977, 32,989 persons died from Diabetes mellitus. The unadjusted death rate of 15.2 deaths per 100,000 persons in 1977 was lower than the rate of 16.1 deaths per 100,000 population in 1976. The age-adjusted rate decreased 6.3 percent between 1976 and 1977, from 11.1 to 10.4 deaths per 100,000 population. Death rates decreased for each age group between 1976 and 1977.

The age-adjusted rate decreased for each color-sex group between 1976 and 1977. In 1977 the age-adjusted rate for white males (9.8 deaths per 100,000 population) exceeded that of white females (9.0 deaths per 100,000 population), while the rate for all other females (22.0 deaths per 100,000 population) exceeded that of all other males (16.3 deaths per 100,000 population). In 1977 the age-adjusted death rate for all other races was 2.1 times that for the white population.

Cirrhosis of liver.—This disease, to which 30,848 deaths were attributed for 1977, ranks as the seventh leading cause of death. The unadjusted death rate decreased between 1976 and 1977, from 14.7 to 14.3 deaths per 100,000 population. The age-adjusted rate decreased from 13.6 deaths per 100,000 population in 1976 to 13.1 deaths per 100,000 population in 1977. For Cirrhosis of liver, death rates by age generally decreased between 1968 and 1977 except the death rates for those aged 65-74 and

75-84 years, which increased between 1968 and 1977.

The age-adjusted death rate decreased for each of the color-sex groups between 1976 and 1977. On an age-adjusted basis, the rate for males was more than twice as high as that for females, and the rate for all other races was 1.9 times that for the white population.

Arteriosclerosis.—In 1977 there were 28,754 deaths from Arteriosclerosis. The unadjusted death rate for this cause was 13.3 per 100,000 population in 1977, somewhat lower than the 1976 rate of 13.7 per 100,000. The age-adjusted death rate for Arteriosclerosis also decreased between 1976 and 1977, from 6.4 to 6.2 deaths per 100,000 population. In contrast to the other age groups, death rates at ages 45-64 years increased between 1976 and 1977.

The age-adjusted rate for all other males increased from 6.2 to 6.4 deaths per 100,000 population between 1976 and 1977 in contrast to that of the other color-sex groups, for whom the rate decreased between 1976 and 1977 as follows: for white males, from 7.4 to 7.2; for white females, from 5.8 to 5.5; and for all other females, from 5.3 to 5.1. The age-adjusted death rate for males was 1.3 times that for females in 1977, while the rate for the white population was 1.1 times that for all other races. In 1977 Arteriosclerosis and Suicide were leading causes for which the age-adjusted death rates of the white population exceeded the rates for all other races.

Suicide.—This was the ninth leading cause of death in 1977 with 28,681 deaths, an increase of 1,849 deaths between 1976 and 1977. The unadjusted death rate for Suicide in 1977 was 13.3 deaths per 100,000 population, the highest rate since 1940 (14.4 per 100,000). The age-adjusted rate for Suicide increased 4.9 percent between 1976 and 1977, from 12.3 to 12.9 deaths per 100,000 population. On an age-adjusted basis, the Suicide death rate in 1977 exceeded that of Arteriosclerosis, the eighth leading cause, and Diabetes mellitus, the sixth leading cause. Between 1968 and 1977 the general trend in the age-adjusted rate for Suicide showed an increase of 18.3 percent.

Death rates for Suicide in the age groups under 45 years increased between 1968 and 1977. There was a large percent increase in the death rate at ages 15-24 years, 16.2 percent

between 1976 and 1977 and 91.5 percent between 1968 and 1977. The death rates for Suicide at ages 45 years and over generally decreased between 1968 and 1977. However, the death rate for Suicide increased at ages 65-74 and 75-84 years between 1976 and 1977.

Between 1976 and 1977 the age-adjusted death rates for each color-sex group increased as follows: for white males, by 7.3 percent to 20.6 deaths per 100,000 population in 1977; for white females, by 2.9 percent to 7.2 per 100,000; for all other males, by 2.4 percent to 12.6 per 100,000; and for all other females, by 5.7 percent to 3.7 per 100,000. In 1977 the age-adjusted rate for males (19.7 per 100,000) was 2.9 times the rate for females (6.8 per 100,000), and the rate for the white population (13.6 per 100,000) was 1.7 times the rate for all other races (7.8 per 100,000).

Bronchitis, emphysema, and asthma.— In 1977, 22,363 deaths were recorded for Bronchitis, emphysema, and asthma, the 10th leading cause of death. The decrease between 1976 and 1977 in the unadjusted death rate (11.4 to 10.3 deaths per 100,000 population) for Bronchitis, emphysema, and asthma (ICDA Nos. 490-493) is misleading, as is the decrease of 8.9 percent in the age-adjusted death rate from 7.9 to 7.2 per 100,000. The actual change in mortality from these causes between 1976 and 1977 is obscured by the growing frequency with which medical certifiers are entering the generalized term "Chronic obstructive lung disease" on certificates instead of a more specific diagnosis of "Emphysema," "Bronchitis," or "Asthma." Chronic obstructive lung disease is, by coding procedures, assigned to the category "Other diseases of lung" (ICDA No. 519.2). However, beginning with the data year 1969 the United States established a separate category (denoted by *519.3) to identify deaths assigned to Chronic obstructive lung disease. Effective with data for 1972 the title was changed to Chronic obstructive lung disease without mention of asthma, bronchitis, or emphysema.

The following table shows age-adjusted death rates for each year of the period 1969-77 for these complementary categories and for their combinations. For the combination category the age-adjusted rate increased by 12.4 percent between 1969 and 1977.

Year	Bronchitis, emphysema, and asthma (490-493)	Chronic obstructive lung disease without mention of asthma, bronchitis, or emphysema (*519.3)	Combination of 490-493 and *519.3
	Age-adjusted rate per 100,000 population		
1977.....	7.2	7.4	14.5
1976.....	7.9	6.8	14.8
1975.....	8.6	5.7	14.3
1974.....	9.2	4.8	14.0
1973.....	10.4	3.9	14.3
1972.....	11.0	2.9	13.9
1971.....	11.1	2.3	13.3
1970.....	11.6	1.7	13.2
1969.....	11.9	1.0	12.9

Homicide.—There were 19,968 deaths assigned to Homicide in 1977, an increase of 414 deaths between 1976 and 1977. In 1977 the unadjusted death rate of 9.2 deaths per 100,000 population increased slightly from the rate of 9.1 per 100,000 in 1976. The age-adjusted death rate also increased between 1976 and 1977, from 9.5 to 9.6 deaths per 100,000 population. The 1.1-percent increase in the age-adjusted rate for Homicide between 1976 and 1977 compares with the 15.7-percent increase in the rate for the period 1968-77.

Death rates for Homicide increased at all ages between 1968 and 1977. The largest percent increases in the death rates for Homicide were at ages 1-4 years, 8.0 percent between 1976 and 1977 and 80.0 percent between 1968 and 1977, and at ages 5-14 years, 9.1 percent between 1976 and 1977 and 71.4 percent between 1968 and 1977.

The increase in the Homicide death rate (age-adjusted) between 1976 and 1977 is a reflection of the increased rate for the white population. For all other races the age-adjusted rate decreased between 1976 and 1977 by 5.2 percent, from 36.4 per 100,000 to 34.5 per 100,000. For the white population the rate increased 7.3 percent, from 5.5 to 5.9 per 100,000. Among all other races the age-adjusted rate decreased for males by 5.1 percent (from 63.3 to 60.1 per 100,000) and for females, by 5.3 percent (from 13.2 to 12.5 per 100,000). The rate increased for both white males and white females; for white males, by 2.3 percent (from 8.6 to 8.8 deaths per 100,000 population) and for white females, by 7.4 percent (from 2.7 to 2.9 deaths per 100,000 population).

In 1977 the age-adjusted death rate for

males (15.1 per 100,000) was 3.6 times that for females (4.2 per 100,000), and the age-adjusted rate for all other races (34.5 per 100,000) was 5.8 times that for the white population (5.9 per 100,000). These were the largest color and sex differentials among the 13 leading causes of death in 1977.

Nephritis and nephrosis.—In 1977 there were 8,519 deaths attributed to Nephritis and nephrosis. The unadjusted death rate decreased from 4.0 deaths per 100,000 population in 1976 to 3.9 per 100,000 in 1977, while the age-adjusted death rate decreased from 2.8 to 2.7 deaths per 100,000. Between 1968 and 1977, the age-adjusted rate for Nephritis and nephrosis decreased 30.8 percent. Death rates from this cause decreased at most ages between 1968 and 1977 except ages under 1 year and 75-84 years. For 1977 the age-adjusted rate for males (3.4 per 100,000) was 1.5 times that for females (2.2 per 100,000), and the age-adjusted rate for all other races (8.1 per 100,000) was 3.9 times that for the white population (2.1 per 100,000).

Septicemia.—In 1977 Septicemia replaced Peptic ulcer as the 15th leading cause of death. Between 1976 and 1977 the number of deaths for Septicemia increased from 6,401 to 7,112. The unadjusted death rate increased from 3.0 to 3.3 deaths per 100,000 population.

The age-adjusted death rate for Septicemia increased by 4.3 percent between 1976 and 1977 (from 2.3 to 2.4 per 100,000) and by 100.0 percent between 1968 and 1977. During this 9-year period, age-specific death rates remained fairly stable for age groups between 1-4 years and 25-34 years. At ages under 1 year there was a slight decrease in the death rate between 1976 and 1977 in contrast to a 49.6-percent increase in the death rate for this age group between 1968 and 1976. The death rates for Septicemia increased for the age groups 35-44 years and over. The largest increase, a tripling in the rate between 1968 and 1977, occurred for the age group 75-84 years.

Age-adjusted death rates for each color-sex group except for all other females increased between 1976 and 1977. In 1977 the age-adjusted rate for males (3.0 per 100,000) was 1.5 times that for females (2.0 per 100,000), and the age-adjusted rate for all other races (5.3 per 100,000) was 2.7 times that for the white population (2.0 per 100,000).

Report of Autopsy

For 1977 all States requested information on the death certificate as to whether autopsies were performed. However, autopsies were reported for only 309,259, or 16.3 percent, of the 1,899,597 deaths occurring during the year. This percentage was heavily influenced by the low reported autopsy rates for the three leading causes of death—Diseases of heart, Malignant neoplasms, and Cerebrovascular diseases. Altogether, these diseases accounted for slightly more than 2 of every 3 deaths in 1977.

Among the three leading causes of death, autopsies were reported as having been performed for only 10.1 percent of the deaths. In comparison, they were reported as having occurred for almost 1 out of 3 (29.3 percent) of all remaining causes of death. The percent of autopsies reported as performed varied considerably with age, from a high of 53.3 percent of deaths at ages 25-34 years to 3.9 percent at ages 85 years and over.

In 1977 autopsies were reported as performed for 40 percent or more of the deaths for 4 of the 15 leading causes—Homicide (91.3 percent), Congenital anomalies (49.4 percent), Suicide (43.9 percent), and Accidents (41.8 percent). Autopsies for an additional 3 of the remaining 15 leading causes were reported as performed for at least 25 percent of the deaths—Certain causes of mortality in early infancy (34.0 percent), Cirrhosis of liver (30.9 percent), and Septicemia (26.4 percent).

Between 1976 and 1977 the percentage of autopsies reported increased for 4 of the 15 leading causes—Accidents, Influenza and pneumonia, Suicide, and Homicide.

Mortality by Month and Day of Death

The year 1977 is the sixth consecutive year for which both month of death and day of death have been tabulated. The average number of deaths per day of week is shown for 1977 for all causes combined and for the following three causes: Motor vehicle accidents, Suicide, and Homicide.

The average number of motor vehicle fatalities on Saturday (191 deaths) is 78.5 percent higher than the average on Tuesday (107 deaths), the day of the week with the lowest

average number of these fatalities. The average number of Homicides on Saturday (76 deaths) is 72.7 percent higher than the average on Wednesday (44 deaths), the day of the week with the lowest average number of Homicides. For Suicide, variation by day of death is less pronounced with the average number of deaths for Suicide ranging from 74 deaths on Sunday to 86 deaths on Monday.

Infant Mortality

The infant mortality rate of 14.1 infant deaths per 1,000 live births in 1977 was the lowest rate ever recorded in the United States (figure 3). The rate declined 7.2 percent from the level of 15.2 in 1976. Among white infants the mortality rate decreased 7.5 percent, from 13.3 in 1976 to 12.3 in 1977; while among all other infants the mortality rate decreased 7.7 percent, from 23.5 in 1976 to 21.7 in 1977. The infant mortality rate for all other infants exceeded that of white infants by over 75 percent in 1977.

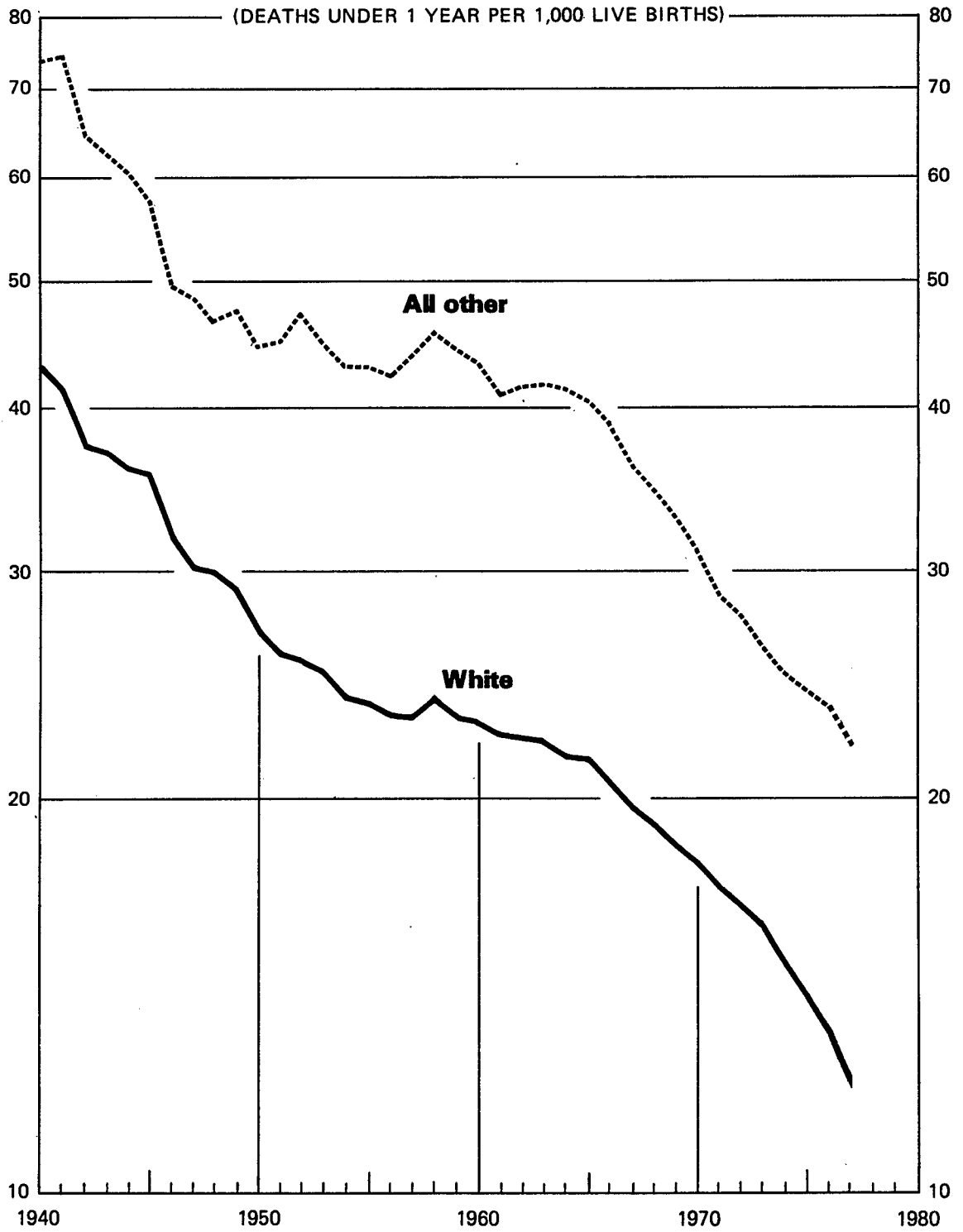
The infant mortality rates for most major causes of death were lower in 1977 than they were in the previous year. For the group of causes entitled "Certain causes of mortality in early infancy," the number of deaths per 100,000 live births for 1977 (702.1) was 10.2 percent lower than it was for 1976 (781.8). For Congenital anomalies the infant mortality rate for 1977 (253.1 deaths per 100,000 live births) was 3.9 percent lower than that for 1976 (263.4 deaths per 100,000 live births).

Among States, Mississippi recorded the highest resident infant mortality rate for 1977 (18.2 deaths per 1,000 live births), and Maine recorded the lowest (9.5 deaths per 1,000 live births). Between 1976 and 1977, the infant mortality rate increased for four States—Hawaii (10.8 to 11.5 per 1,000), Florida (15.1 to 15.5 per 1,000), Delaware (12.9 to 13.6 per 1,000), and Louisiana (17.8 to 17.9 per 1,000); for the other States it declined. For the District of Columbia the infant mortality rate increased between 1976 and 1977, from 25.3 to 27.4 infant deaths per 1,000 live births.

Maternal Mortality

In 1977, 373 women died of maternal causes. As in previous years, this number does

Figure 3. INFANT MORTALITY RATES BY COLOR: UNITED STATES, 1940-77



not include all deaths occurring to pregnant women but only deaths assigned to Complications of pregnancy, childbirth, and the puerperium. The number of maternal deaths and the maternal mortality rates per 100,000 births by color for 1977 were as follows:

Color	Number	Rate
Total	373	11.2
White	208	7.7
All other	165	26.0

The overall rate in 1977 was 8.9 percent below the rate for 1976. The rate for white women declined 14.4 percent, and the rate for all other women declined 1.9 percent. The rate for all other women was 3.4 times that for white women.

EXPLANATORY NOTES

Nature and Sources of Data

Except for 1972, data shown in this report are based on information from all death certificates from the 50 States and the District of Columbia. For 1972, data are from a 50-percent sample of deaths. Mortality statistics are based on information obtained directly from copies of the original certificates received from the registration offices except for data provided to the National Center for Health Statistics through the Cooperative Health Statistics System.

For the latter, mortality data for 1977 were coded from the original certificates and provided on computer tape through the 33 States in the Cooperative Health Statistics System. The seven States of Iowa, Louisiana, Michigan, Nebraska, North Carolina, Virginia, and Wisconsin submitted mortality data which included data on cause of death through this System. The remaining 26 States which submitted mortality data, except data for cause of death, are the following: Alabama, Alaska, Colorado, Florida, Idaho, Illinois, Kansas, Kentucky, Maine, Maryland, Massachusetts, Minnesota, Missouri, Montana, Nevada, New Hampshire, New York, Ohio,

Oklahoma, Oregon, Rhode Island, South Carolina, Tennessee, Texas, Vermont, and West Virginia.

Data for the United States as a whole refer to events occurring within the United States. Beginning with 1970, mortality statistics exclude deaths of nonresidents of the United States, except in a few tables in which it is specified they are included.

Cause-of-Death Classification

The mortality statistics presented here are compiled in accordance with the World Health Organization Regulations, which specify that member nations classify causes of death in accordance with the current revision of the International Statistical Classification of Diseases, Injuries, and Causes of Death.² An adaptation of the Eighth Revision of the Classification—*Eighth Revision International Classification of Diseases, Adapted for Use in the United States*³—was used beginning with 1968.

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 NCHS *Instruction Manual, Vital Statistics, Instructions for Classifying the Underlying Cause of Death*.

Population Bases for Computing Rates

The population for computing rates shown in this report represents the population residing in the specified area, as published by the U.S. Bureau of the Census. The populations for 1977

²World Health Organization: *Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death*, Based on the Recommendations of the Eighth Revision Conference, 1965. Geneva. World Health Organization, 1967.

³National Center for Health Statistics: *Eighth Revision International Classification of Diseases, Adapted for Use in the United States*. PHS Pub. No. 1693. Public Health Service. Washington. U.S. Government Printing Office, 1967.

are available in recent publications by the U.S. Bureau of the Census.^{4,5}

Infant mortality rates and maternal mortality rates are based on numbers of live births.

Cause-of-Death Ranking

Cause-of-death ranking is based on the List of 69 Selected Causes of Death, adapted from one of the special lists for mortality tabulations recommended by the World Health Organization for use with the Eighth Revision of the International Classification of Diseases. Two group

⁴U.S. Bureau of the Census: Estimates of the population of the United States, by age, sex, and race, 1970 to 1977. *Current Population Reports*, Population Estimates and Projections. Series P-25, No. 721. Washington. U.S. Government Printing Office, Apr. 1978.

⁵U.S. Bureau of the Census: Estimates of the population of States, by age, July 1, 1971 to 1977. *Current Population Reports*, Population Estimates and Projections. Series P-25, No. 734. Washington. U.S. Government Printing Office, Nov. 1978.

titles—Major cardiovascular diseases and Symptoms and ill-defined conditions—are not ranked. 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 (e.g., Tuberculosis, all forms), its component parts (in this case, Tuberculosis of respiratory system and Tuberculosis, other forms) 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 color-sex group were adjusted separately, using the same standard population.

SYMBOLS

Data not available-----	---
Category not applicable-----	...
Quantity zero-----	-
Quantity more than 0 but less than 0.05-----	0.0
Figure does not meet standards of reliability or precision-----	*

This report presents summary tabulations from the final mortality statistics for 1977. More detailed tabulations for 1977 will be published in *Vital Statistics of the United States, 1977, 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.

MONTHLY VITAL STATISTICS REPORT

Table 1. DEATHS AND DEATH RATES BY AGE, COLOR, AND SEX: UNITED STATES, 1977

[Refers only to resident deaths occurring within the United States. Rates per 100,000 estimated population in specified age group]

Age	Total			White			All other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
NUMBER									
All ages.....	1,899,597	1,046,243	853,354	1,664,100	912,670	751,430	235,497	133,573	101,924
Under 1 year.....	46,975	26,875	20,100	33,199	19,229	13,970	13,776	7,646	6,130
1-4 years.....	8,307	4,720	3,587	6,198	3,541	2,657	2,109	1,179	930
5-9 years.....	5,834	3,556	2,278	4,579	2,798	1,781	1,255	758	497
10-14 years.....	6,745	4,344	2,401	5,449	3,487	1,962	1,296	857	439
15-19 years.....	21,443	15,573	5,870	18,056	13,209	4,847	3,387	2,364	1,023
20-24 years.....	26,543	20,047	6,496	21,273	16,255	5,018	5,270	3,792	1,478
25-29 years.....	23,292	16,937	6,355	17,488	12,804	4,684	5,804	4,133	1,671
30-34 years.....	21,641	14,641	7,000	16,283	11,005	5,278	5,388	3,636	1,722
35-39 years.....	24,036	15,531	8,505	17,883	11,593	6,300	6,153	3,948	2,205
40-44 years.....	34,073	21,421	12,652	25,814	16,314	9,500	8,259	5,107	3,152
45-49 years.....	55,483	35,094	20,389	44,086	28,093	15,993	11,397	7,001	4,396
50-54 years.....	89,640	57,038	32,602	73,608	47,325	26,283	16,032	9,713	6,319
55-59 years.....	125,574	80,315	45,259	106,153	68,530	37,623	19,421	11,785	7,636
60-64 years.....	167,098	106,505	60,593	144,509	93,031	51,478	22,589	13,474	9,115
65-69 years.....	209,496	129,873	79,623	183,434	114,844	68,590	26,062	15,029	11,033
70-74 years.....	236,099	138,157	97,942	209,645	123,782	85,863	26,454	14,375	12,079
75-79 years.....	247,048	129,552	117,496	223,046	117,355	105,691	24,002	12,197	11,805
80-84 years.....	243,550	112,387	131,163	226,422	104,030	122,392	17,128	8,357	8,771
85 years and over.....	306,151	113,309	192,842	286,576	105,183	181,393	19,575	8,126	11,449
Not stated.....	569	368	201	399	272	127	170	96	74
RATES PER 100,000 POPULATION									
All ages ¹	878.1	994.1	768.2	888.2	998.2	783.3	813.0	967.1	672.5
Under 1 year.....	1,485.6	1,659.0	1,303.5	1,266.2	1,429.7	1,094.8	2,546.4	2,780.4	2,304.5
1-4 years.....	68.8	76.5	60.8	62.5	69.7	55.0	97.6	108.1	87.1
5-9 years.....	34.0	40.6	27.1	32.1	38.4	25.6	43.0	51.6	34.3
10-14 years.....	35.1	44.4	25.5	34.0	42.5	25.0	41.0	53.9	28.0
15-19 years.....	101.6	145.7	56.4	101.2	145.8	55.2	103.9	145.0	62.8
20-24 years.....	133.5	201.9	65.3	125.0	190.0	59.3	184.1	276.6	99.1
25-29 years.....	132.1	193.9	71.4	114.4	167.3	61.4	246.9	382.0	131.7
30-34 years.....	140.9	193.2	90.0	121.2	164.2	78.3	279.6	415.1	165.6
35-39 years.....	195.5	259.5	134.8	166.6	219.3	115.6	393.2	560.8	256.1
40-44 years.....	304.7	393.3	220.6	264.5	339.7	191.7	580.0	793.0	404.1
45-49 years.....	482.3	625.8	345.8	434.9	565.1	309.7	832.5	1,100.8	599.7
50-54 years.....	754.7	998.7	528.7	695.1	925.4	480.1	1,244.7	1,624.2	914.5
55-59 years.....	1,138.1	1,524.3	785.1	1,068.0	1,440.0	726.2	1,775.2	2,310.8	1,307.5
60-64 years.....	1,784.9	2,431.1	1,216.5	1,704.3	2,338.0	1,144.0	2,561.1	3,360.1	1,895.0
65-69 years.....	2,480.4	3,473.5	1,691.2	2,431.8	3,436.4	1,632.7	2,886.2	3,795.2	2,176.1
70-74 years.....	3,847.1	5,319.9	2,766.7	3,727.7	5,233.9	2,634.6	5,156.7	6,195.1	4,298.6
75-79 years.....	6,073.0	8,153.1	4,739.7	5,957.4	8,104.6	4,603.3	7,408.0	8,650.4	6,450.8
80-84 years.....	8,814.7	11,363.7	7,393.6	8,949.5	11,597.5	7,494.9	7,351.1	8,986.0	6,265.0
85 years and over.....	14,726.9	17,299.1	13,542.3	15,292.2	18,041.7	14,039.7	9,595.6	11,286.1	8,673.5

¹Figures for age not stated included in "All ages" but not distributed among age groups.

MONTHLY VITAL STATISTICS REPORT

Table 2. DEATH RATES BY AGE, COLOR, AND SEX AND AGE-ADJUSTED DEATH RATES BY COLOR AND SEX: UNITED STATES, 1961-77

[Rates per 1,000 population in specified group. Age-adjusted rates based on age-specific death rates per 100,000 estimated midyear 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]

Color, sex, and year	All ages ¹	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	Age-adjusted
TOTAL													
1977 ²	8.8	14.9	0.7	0.3	1.2	1.4	2.5	6.2	14.3	30.6	71.8	147.3	6.1
1976 ²	8.9	16.0	0.7	0.3	1.1	1.4	2.5	6.3	14.8	31.3	73.3	154.9	6.3
1975 ²	8.9	16.4	0.7	0.4	1.2	1.4	2.7	6.5	15.0	31.9	73.6	151.9	6.4
1974 ²	9.2	17.6	0.7	0.4	1.2	1.5	2.8	6.8	15.5	33.3	76.5	165.3	6.7
1973 ²	9.4	18.1	0.8	0.4	1.3	1.5	3.0	7.0	16.1	34.4	79.3	174.3	6.9
1972 ^{2,3}	9.4	18.3	0.8	0.4	1.3	1.5	3.0	7.1	16.3	35.3	79.7	173.5	7.0
1971 ²	9.3	19.0	0.8	0.4	1.3	1.6	3.1	7.1	16.2	34.9	78.7	174.3	7.0
1970 ²	9.5	21.4	0.8	0.4	1.3	1.6	3.1	7.3	16.6	35.8	80.0	163.4	7.1
1969.....	9.5	22.0	0.9	0.4	1.3	1.6	3.2	7.3	16.6	36.3	81.0	188.2	7.3
1968.....	9.7	22.7	0.9	0.4	1.2	1.6	3.2	7.5	17.0	37.2	82.9	195.8	7.4
1967.....	9.4	22.9	0.9	0.4	1.2	1.5	3.1	7.4	16.6	36.2	80.9	192.2	7.3
1966.....	9.5	24.1	1.0	0.4	1.2	1.5	3.1	7.5	16.9	37.0	83.5	199.8	7.4
1965.....	9.4	24.6	1.0	0.4	1.1	1.5	3.1	7.5	16.8	36.6	83.6	200.7	7.4
1964.....	9.4	25.3	1.0	0.4	1.1	1.5	3.1	7.5	16.9	36.6	83.2	199.2	7.4
1963.....	9.6	25.8	1.0	0.4	1.1	1.5	3.0	7.5	17.2	37.9	86.3	209.9	7.6
1962.....	9.5	25.8	1.0	0.4	1.0	1.4	3.0	7.4	16.9	37.4	85.0	204.9	7.5
1961.....	9.3	25.9	1.0	0.4	1.0	1.4	2.9	7.3	16.8	36.9	84.0	196.3	7.4
MALE													
1977 ²	9.9	16.6	0.8	0.4	1.7	1.9	3.2	8.1	19.4	42.3	93.8	173.0	8.1
1976 ²	10.1	17.6	0.8	0.4	1.7	1.9	3.3	8.3	20.0	43.4	95.1	179.8	8.3
1975 ²	10.1	18.3	0.8	0.4	1.8	2.0	3.5	8.6	20.3	44.1	95.2	175.7	8.5
1974 ²	10.4	19.7	0.8	0.5	1.8	2.1	3.6	8.9	21.1	45.8	97.9	188.8	8.8
1973 ²	10.7	20.3	0.9	0.5	1.9	2.1	3.8	9.2	22.1	47.3	101.1	198.1	9.1
1972 ^{2,3}	10.8	20.6	0.9	0.5	1.9	2.1	3.9	9.4	22.5	48.2	101.2	196.0	9.2
1971 ²	10.7	21.4	0.9	0.5	1.9	2.1	3.9	9.3	22.3	47.6	99.2	197.5	9.2
1970 ²	10.9	24.1	0.9	0.5	1.9	2.2	4.0	9.6	22.8	48.7	100.1	178.2	9.3
1969.....	11.0	24.8	1.0	0.5	1.9	2.2	4.1	9.7	22.9	49.3	100.7	208.8	9.5
1968.....	11.2	25.6	1.0	0.5	1.8	2.1	4.1	9.9	23.4	50.5	102.2	217.3	9.7
1967.....	10.9	25.9	1.0	0.5	1.7	2.0	3.9	9.7	22.8	48.8	99.4	213.4	9.4
1966.....	11.0	27.1	1.1	0.5	1.7	2.0	3.9	9.9	23.2	49.5	101.6	220.1	9.5
1965.....	10.9	27.9	1.0	0.5	1.6	2.0	3.9	9.8	23.0	48.9	101.2	220.8	9.5
1964.....	10.9	28.5	1.1	0.5	1.5	2.0	3.8	9.7	22.9	48.5	99.6	216.4	9.4
1963.....	11.1	29.3	1.1	0.5	1.5	1.9	3.8	9.9	23.2	50.0	102.8	229.4	9.6
1962.....	10.9	29.3	1.1	0.5	1.5	1.9	3.7	9.7	22.7	48.7	100.1	222.5	9.4
1961.....	10.7	29.3	1.1	0.5	1.5	1.8	3.7	9.6	22.4	47.7	98.5	210.8	9.2
FEMALE													
1977 ²	7.7	13.0	0.6	0.3	0.6	0.8	1.8	4.4	9.9	21.5	58.5	135.4	4.5
1976 ²	7.8	14.2	0.6	0.3	0.6	0.8	1.8	4.5	10.1	22.0	60.0	143.1	4.6
1975 ²	7.7	14.4	0.6	0.3	0.6	0.9	1.9	4.6	10.1	22.5	60.3	140.3	4.7
1974 ²	8.0	15.3	0.7	0.3	0.6	0.9	2.0	4.7	10.5	23.6	63.3	153.9	4.9
1973 ²	8.1	15.7	0.7	0.3	0.7	0.9	2.2	4.9	10.8	24.5	65.6	162.3	5.1
1972 ^{2,3}	8.1	15.9	0.7	0.3	0.7	1.0	2.2	5.0	10.8	25.3	65.8	162.0	5.2
1971 ²	8.0	16.6	0.7	0.3	0.7	1.0	2.3	5.0	10.8	25.0	65.3	162.2	5.2
1970 ²	8.1	18.6	0.8	0.3	0.7	1.0	2.3	5.2	11.0	25.8	66.8	155.2	5.3
1969.....	8.1	19.0	0.8	0.3	0.7	1.0	2.4	5.1	10.9	26.2	67.8	177.1	5.4
1968.....	8.2	19.6	0.8	0.3	0.7	1.0	2.4	5.3	11.3	26.8	69.8	184.3	5.6
1967.....	8.0	19.8	0.8	0.3	0.6	1.0	2.3	5.2	10.9	26.3	68.1	180.4	5.5
1966.....	8.1	20.9	0.9	0.3	0.6	1.1	2.3	5.3	11.1	27.0	70.8	186.5	5.6
1965.....	8.0	21.3	0.9	0.3	0.6	1.1	2.3	5.3	11.2	26.7	70.9	189.0	5.6
1964.....	8.0	21.9	0.9	0.3	0.6	1.1	2.3	5.3	11.4	26.9	71.1	189.1	5.7
1963.....	8.2	22.1	0.9	0.4	0.6	1.1	2.3	5.3	11.7	27.9	74.1	197.9	5.8
1962.....	8.1	22.2	0.9	0.4	0.6	1.1	2.3	5.2	11.6	27.8	73.6	194.0	5.8
1961.....	7.9	22.3	0.9	0.4	0.6	1.0	2.2	5.2	11.5	27.7	72.9	186.9	5.7

See footnotes at end of table.

MONTHLY VITAL STATISTICS REPORT

Table 2. DEATH RATES BY AGE, COLOR, AND SEX AND AGE-ADJUSTED DEATH RATES BY COLOR AND SEX: UNITED STATES, 1961-77-Con.

[Rates per 1,000 population in specified group. Age-adjusted rates based on age-specific death rates per 100,000 estimated midyear 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]

Color, sex, and year	All ages ¹	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	Age-adjusted
WHITE													
1977 ²	8.9	12.7	0.6	0.3	1.1	1.2	2.1	5.7	13.6	29.9	71.6	152.9	5.9
1976 ²	9.0	13.6	0.6	0.3	1.1	1.2	2.2	5.8	14.0	30.5	73.4	160.7	6.0
1975 ²	9.0	14.1	0.6	0.3	1.1	1.2	2.3	6.0	14.2	31.1	73.8	157.1	6.1
1974 ²	9.2	15.2	0.7	0.4	1.1	1.2	2.4	6.2	14.7	32.3	77.0	170.6	6.4
1973 ²	9.4	16.7	0.7	0.4	1.2	1.3	2.5	6.3	15.3	33.4	79.8	179.3	6.6
1972 ^{2,3}	9.5	15.8	0.7	0.4	1.2	1.3	2.6	6.5	15.5	34.3	80.2	178.6	6.7
1971 ²	9.4	16.6	0.7	0.4	1.1	1.3	2.6	6.5	15.4	33.9	79.1	179.1	6.7
1970 ²	9.5	18.7	0.8	0.4	1.2	1.3	2.7	6.7	15.8	34.9	80.4	168.9	6.8
1969.....	9.5	19.0	0.8	0.4	1.2	1.3	2.7	6.7	15.7	35.4	81.4	193.5	6.9
1968.....	9.6	19.7	0.8	0.4	1.1	1.3	2.7	6.8	16.1	36.2	83.3	200.8	7.1
1967.....	9.4	19.8	0.8	0.4	1.1	1.3	2.7	6.7	15.7	35.4	81.5	197.4	6.9
1966.....	9.5	20.7	0.8	0.4	1.1	1.3	2.7	6.9	15.9	36.1	84.0	204.7	7.0
1965.....	9.4	21.1	0.8	0.4	1.0	1.3	2.6	6.9	15.9	35.8	84.2	205.8	7.1
1964.....	9.4	21.7	0.9	0.4	1.0	1.3	2.6	6.8	15.9	35.9	83.9	204.0	7.1
1963 ⁴	9.5	22.4	0.9	0.4	1.0	1.3	2.6	6.9	16.1	36.9	86.7	213.9	7.2
1962 ⁴	9.4	22.6	0.9	0.4	1.0	1.2	2.6	6.8	15.9	36.4	85.6	208.5	7.1
1961.....	9.3	22.8	0.9	0.4	1.0	1.2	2.5	6.7	15.8	36.2	84.9	200.3	7.0
WHITE, MALE													
1977 ²	10.0	14.3	0.7	0.4	1.7	1.7	2.8	7.5	18.5	41.8	94.4	180.4	7.8
1976 ²	10.1	15.1	0.7	0.4	1.6	1.6	2.8	7.7	19.2	42.8	96.0	187.7	8.0
1975 ²	10.2	15.9	0.7	0.4	1.7	1.7	3.0	7.9	19.5	43.6	96.1	182.6	8.1
1974 ²	10.4	17.3	0.8	0.4	1.7	1.7	3.1	8.2	20.3	45.1	99.0	195.4	8.4
1973 ²	10.7	17.8	0.8	0.5	1.8	1.8	3.2	8.4	21.2	46.5	102.1	204.4	8.7
1972 ^{2,3}	10.8	18.0	0.8	0.5	1.7	1.7	3.3	8.6	21.6	47.5	102.3	202.7	8.8
1971 ²	10.7	18.8	0.8	0.5	1.7	1.7	3.3	8.6	21.5	47.0	100.3	204.2	8.8
1970 ²	10.9	21.1	0.8	0.5	1.7	1.8	3.4	8.8	22.0	48.1	101.0	185.5	8.9
1969.....	11.0	21.7	0.8	0.5	1.7	1.8	3.5	8.9	22.0	48.6	101.5	215.9	9.1
1968.....	11.1	22.5	0.9	0.5	1.7	1.8	3.5	9.1	22.5	49.7	103.0	223.7	9.2
1967.....	10.8	22.6	0.9	0.5	1.6	1.7	3.4	9.0	22.0	48.2	100.4	220.1	9.0
1966.....	11.0	23.6	0.9	0.5	1.6	1.7	3.4	9.2	22.4	48.8	102.6	226.7	9.2
1965.....	10.9	24.1	0.9	0.5	1.5	1.7	3.4	9.1	22.1	48.3	102.4	227.3	9.1
1964.....	10.8	24.7	0.9	0.5	1.5	1.7	3.4	9.1	22.0	48.0	100.8	221.9	9.1
1963 ⁴	11.0	25.6	1.0	0.5	1.4	1.7	3.3	9.2	22.3	49.0	103.6	234.1	9.2
1962 ⁴	10.8	25.9	0.9	0.5	1.4	1.6	3.3	9.1	21.8	47.9	101.2	227.2	9.0
1961.....	10.7	26.0	1.0	0.5	1.4	1.6	3.3	9.0	21.7	47.1	100.0	215.8	8.9
WHITE, FEMALE													
1977 ²	7.8	10.9	0.6	0.3	0.6	0.7	1.5	4.0	9.2	20.7	58.1	140.4	4.3
1976 ²	7.9	11.9	0.6	0.3	0.5	0.7	1.6	4.1	9.4	21.1	59.8	146.2	4.4
1975 ²	7.8	12.2	0.6	0.3	0.6	0.7	1.6	4.1	9.4	21.5	60.3	144.9	4.5
1974 ²	8.1	13.1	0.6	0.3	0.6	0.8	1.7	4.3	9.7	22.5	63.5	158.5	4.7
1973 ²	8.2	13.4	0.6	0.3	0.6	0.8	1.8	4.4	10.0	23.2	65.8	166.9	4.8
1972 ^{2,3}	8.2	13.4	0.6	0.3	0.6	0.8	1.9	4.4	10.0	24.2	66.2	166.6	4.9
1971 ²	8.1	14.2	0.7	0.3	0.6	0.8	1.9	4.5	10.0	23.9	65.8	166.3	4.9
1970 ²	8.1	16.1	0.7	0.3	0.6	0.8	1.9	4.6	10.1	24.7	67.0	159.8	5.0
1969.....	8.2	16.2	0.7	0.3	0.6	0.8	2.0	4.6	10.0	25.0	68.0	181.8	5.1
1968.....	8.2	16.7	0.7	0.3	0.6	0.8	2.0	4.7	10.3	25.6	70.0	188.8	5.2
1967.....	8.0	16.8	0.7	0.3	0.6	0.8	1.9	4.6	10.0	25.3	68.5	185.0	5.1
1966.....	8.1	17.6	0.7	0.3	0.6	0.9	1.9	4.7	10.1	26.0	71.0	192.9	5.3
1965.....	8.0	18.0	0.7	0.3	0.6	0.9	1.9	4.7	10.2	25.8	71.3	193.5	5.3
1964.....	8.0	18.7	0.8	0.3	0.6	0.9	1.9	4.6	10.2	26.1	71.6	193.1	5.3
1963 ⁴	8.1	19.1	0.8	0.3	0.6	0.9	1.9	4.6	10.5	26.8	74.3	201.8	5.4
1962 ⁴	8.0	19.2	0.8	0.3	0.5	0.9	1.9	4.6	10.3	26.7	74.0	197.5	5.4
1961.....	7.8	19.4	0.8	0.3	0.5	0.8	1.9	4.5	10.3	26.8	73.5	191.0	5.4

See footnotes at end of table.

MONTHLY VITAL STATISTICS REPORT

Table 2. DEATH RATES BY AGE, COLOR, AND SEX AND AGE-ADJUSTED DEATH RATES BY COLOR AND SEX: UNITED STATES, 1961-77—Con.

[Rates per 1,000 population in specified group. Age-adjusted rates based on age-specific death rates per 100,000 estimated midyear 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]

Color, sex, and year	All ages ¹	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	Age-adjusted
ALL OTHER													
1977 ²	8.1	25.5	1.0	0.4	1.4	2.6	4.8	10.3	21.3	37.1	73.8	96.0	8.1
1976 ²	8.2	27.8	1.0	0.4	1.5	2.7	5.0	10.7	21.5	38.3	72.4	100.2	8.3
1975 ²	8.3	27.7	1.0	0.5	1.6	3.0	5.3	10.8	21.8	39.7	70.8	101.0	8.5
1974 ²	8.7	29.2	1.1	0.5	1.7	3.1	5.7	11.5	22.9	42.7	70.8	112.5	9.0
1973 ²	9.1	30.2	1.2	0.5	1.9	3.3	6.1	12.4	24.0	44.7	74.2	121.4	9.5
1972 ^{2,3}	9.2	31.3	1.2	0.5	2.0	3.5	6.4	12.6	24.1	44.9	73.4	118.5	9.7
1971 ²	9.2	32.5	1.3	0.5	2.1	3.6	6.5	12.4	23.8	44.1	72.7	119.9	9.6
1970 ²	9.4	36.0	1.3	0.5	2.0	3.5	6.6	12.9	24.3	44.9	75.1	107.5	9.8
1969	9.6	38.8	1.4	0.6	2.1	3.6	6.9	13.2	25.2	46.0	76.2	128.9	10.2
1968	9.9	38.7	1.5	0.6	1.9	3.6	7.0	13.5	26.3	47.6	78.1	139.9	10.5
1967	9.4	40.0	1.5	0.6	1.7	3.4	6.6	13.0	24.8	44.5	73.0	132.5	9.9
1966	9.7	42.0	1.7	0.6	1.7	3.3	6.7	13.3	25.8	46.2	77.0	142.9	10.2
1965	9.7	43.8	1.7	0.6	1.6	3.3	6.6	13.1	26.3	44.8	75.1	141.3	10.1
1964	9.7	44.9	1.7	0.6	1.6	3.2	6.6	13.3	27.0	44.2	73.6	141.1	10.2
1963 ⁴	10.1	44.6	1.8	0.6	1.6	3.2	6.5	13.3	27.8	47.8	77.9	157.8	10.5
1962 ⁴	9.8	44.2	1.7	0.6	1.6	3.1	6.3	13.0	27.0	46.3	74.7	152.2	10.2
1961	9.6	43.4	1.7	0.6	1.6	3.1	6.2	12.7	26.6	45.4	71.5	146.4	10.0
ALL OTHER, MALE													
1977 ²	9.7	27.8	1.1	0.5	2.1	4.0	6.7	13.5	27.7	46.8	87.8	112.9	10.5
1976 ²	9.8	30.1	1.1	0.5	2.2	4.1	6.9	14.0	28.1	48.5	86.5	115.2	10.7
1975 ²	10.0	30.0	1.1	0.6	2.4	4.5	7.4	14.2	28.1	49.7	86.0	116.9	11.0
1974 ²	10.4	32.1	1.2	0.6	2.6	4.7	7.7	15.0	29.4	52.9	85.6	127.8	11.5
1973 ²	10.8	33.4	1.4	0.7	2.8	5.0	8.2	15.9	30.7	54.6	89.7	136.1	12.1
1972 ^{2,3}	11.0	34.4	1.3	0.6	3.0	5.1	8.7	16.4	30.7	54.9	89.4	133.3	12.3
1971 ²	10.9	36.1	1.4	0.7	3.1	5.2	8.5	15.7	30.1	53.8	87.5	133.5	12.1
1970 ²	11.2	40.2	1.4	0.7	3.0	5.0	8.7	16.5	30.5	54.7	89.8	114.1	12.3
1969	11.5	43.1	1.6	0.7	3.1	5.1	9.1	16.8	31.3	56.3	91.3	141.0	12.7
1968	11.7	42.6	1.7	0.7	2.8	5.1	9.0	17.0	32.7	58.1	91.9	155.1	12.9
1967	11.0	44.2	1.7	0.7	2.5	4.7	8.3	16.1	30.1	54.5	86.2	146.5	12.1
1966	11.4	46.2	1.8	0.7	2.4	4.5	8.3	16.3	31.3	56.6	89.5	162.3	12.4
1965	11.2	48.7	1.8	0.7	2.2	4.3	8.0	16.0	31.1	54.9	87.3	157.6	12.2
1964	11.2	50.1	1.9	0.7	2.2	4.2	8.0	15.8	31.4	53.7	84.7	155.3	12.1
1963 ⁴	11.6	50.2	2.0	0.7	2.2	4.0	7.6	15.7	31.9	53.3	89.7	183.9	12.4
1962 ⁴	11.2	49.4	1.8	0.7	2.1	3.8	7.4	15.3	30.6	55.6	84.4	172.1	11.9
1961	11.0	48.7	1.8	0.7	2.1	3.8	7.2	14.7	30.0	54.3	80.2	161.1	11.6
ALL OTHER, FEMALE													
1977 ²	6.7	23.0	0.9	0.3	0.8	1.5	3.3	7.5	15.7	29.3	63.7	86.7	6.2
1976 ²	6.8	25.4	0.9	0.3	0.8	1.6	3.4	7.7	15.9	30.1	62.2	91.8	6.4
1975 ²	6.8	25.2	0.9	0.3	0.9	1.6	3.6	7.8	16.4	31.7	59.8	91.8	6.5
1974 ²	7.2	26.1	1.0	0.4	0.9	1.8	4.0	8.5	17.2	34.4	60.2	103.4	6.9
1973 ²	7.6	27.0	1.1	0.4	1.0	1.9	4.4	9.3	18.2	36.6	62.9	111.2	7.4
1972 ^{2,3}	7.6	28.2	1.1	0.4	1.0	2.1	4.6	9.3	18.3	36.8	61.8	109.4	7.5
1971 ²	7.6	29.0	1.1	0.4	1.1	2.2	4.8	9.5	18.3	36.3	62.0	112.7	7.5
1970 ²	7.8	31.7	1.2	0.4	1.1	2.2	4.9	9.8	18.9	36.8	63.9	102.9	7.7
1969	8.0	34.5	1.3	0.4	1.1	2.3	5.1	10.0	19.7	37.6	64.4	120.7	8.0
1968	8.2	34.6	1.3	0.5	1.1	2.4	5.3	10.4	20.7	38.9	67.6	129.7	8.3
1967	7.9	35.9	1.3	0.4	1.0	2.3	5.0	10.2	20.0	36.3	62.4	120.5	8.0
1966	8.2	37.7	1.5	0.5	1.0	2.4	5.3	10.5	20.8	37.7	67.3	129.8	8.3
1965	8.2	38.7	1.6	0.5	1.0	2.4	5.3	10.5	21.8	36.3	64.9	130.0	8.3
1964	8.3	39.7	1.6	0.5	1.0	2.4	5.3	11.0	22.8	35.9	64.3	134.2	8.5
1963 ⁴	8.7	39.1	1.7	0.5	1.0	2.5	5.5	11.1	23.9	38.7	67.8	143.6	8.8
1962 ⁴	8.5	38.9	1.6	0.5	1.1	2.4	5.4	10.8	23.5	38.3	66.2	141.6	8.7
1961	8.4	38.4	1.6	0.5	1.0	2.4	5.3	10.8	23.3	37.4	64.3	135.3	8.5

¹ Figures for age not stated included in "All ages" but not distributed among age groups.

² Excludes deaths of nonresidents of the United States.

³ Based on a 50-percent sample of deaths.

⁴ Figures by color exclude residents of New Jersey.

NOTE: Rates for 1961-69 are based on revised intercensal estimates of the population.

MONTHLY VITAL STATISTICS REPORT

Table 3. ABRIDGED LIFE TABLES BY COLOR AND SEX: UNITED STATES, 1977

[For explanation of the columns of the Life Table, see Section 5 of *Vital Statistics of the United States, 1974, Volume II*]

AGE INTERVAL	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
	PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED IN YEARS	NUMBER LIVING AT BEGINNING OF AGE INTERVAL	NUMBER DYING DURING AGE INTERVAL	IN THE AGE INTERVAL	IN THIS AND ALL SUBSEQUENT AGE INTERVALS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF AGE INTERVAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to x+n	nq_x	l_x	d_x	L_x	T_x	e_x
TOTAL						
0-1	0.0142	100,000	1,421	98,751	7,316,270	73.2
1-5	.0027	98,579	268	393,693	7,217,519	73.2
5-10	.0017	98,311	167	491,106	6,823,826	69.4
10-15	.0018	98,144	173	490,355	6,332,720	64.5
15-20	.0021	97,971	499	488,723	5,842,365	59.6
20-25	.0057	97,472	650	485,756	5,353,642	54.9
25-30	.0066	96,822	637	482,517	4,867,886	50.3
30-35	.0070	96,185	677	479,306	4,385,369	45.6
35-40	.0097	95,508	928	475,369	3,906,063	40.9
40-45	.0151	94,580	1,428	469,565	3,420,694	36.3
45-50	.0239	93,152	2,222	460,552	2,961,129	31.8
50-55	.0372	90,930	3,379	446,727	2,500,577	27.5
55-60	.0555	87,551	4,861	426,258	2,053,850	23.5
60-65	.0858	82,690	7,095	396,531	1,627,592	19.7
65-70	.1173	75,595	8,868	354,669	1,231,061	16.3
70-75	.1764	66,727	11,768	305,147	874,392	13.1
75-80	.2647	54,959	14,550	238,929	569,245	10.4
80-85	.3612	40,409	14,596	164,964	330,316	8.2
85 AND OVER	1.0000	25,813	25,813	165,352	165,352	6.4
MALE						
0-1	0.0159	100,000	1,586	98,606	6,932,304	69.3
1-5	.0030	98,414	297	392,973	6,833,698	69.4
5-10	.0020	98,117	200	490,052	6,440,725	65.6
10-15	.0022	97,917	217	489,147	5,950,673	60.8
15-20	.0073	97,700	715	486,899	5,461,526	55.9
20-25	.0101	96,985	975	482,517	4,974,627	51.3
25-30	.0096	96,010	926	477,698	4,492,110	46.8
30-35	.0096	95,084	916	473,209	4,014,412	42.2
35-40	.0129	94,168	1,213	467,993	3,541,203	37.6
40-45	.0195	92,955	1,808	460,555	3,073,210	33.1
45-50	.0309	91,147	2,813	449,157	2,612,655	28.7
50-55	.0489	88,334	4,318	431,574	2,163,498	24.5
55-60	.0737	84,016	6,190	405,439	1,731,924	20.6
60-65	.1151	77,826	8,959	367,653	1,326,485	17.0
65-70	.1605	68,867	11,052	317,470	958,832	13.9
70-75	.2354	57,815	13,612	255,493	641,362	11.1
75-80	.3384	44,203	14,957	183,233	385,869	8.7
80-85	.4391	29,246	12,843	112,755	202,636	6.9
85 AND OVER	1.0000	16,403	16,403	89,881	89,881	5.5
FEMALE						
0-1	0.0125	100,000	1,248	98,902	7,709,081	77.1
1-5	.0024	98,752	238	394,448	7,610,179	77.1
5-10	.0014	98,514	134	492,207	7,215,731	73.2
10-15	.0013	98,380	126	491,617	6,723,524	68.3
15-20	.0028	98,254	277	490,625	6,231,907	63.4
20-25	.0033	97,977	321	489,096	5,741,282	58.6
25-30	.0036	97,656	349	487,436	5,252,186	53.8
30-35	.0045	97,307	438	485,508	4,764,750	49.0
35-40	.0067	96,869	650	482,831	4,279,242	44.2
40-45	.0110	96,219	1,054	478,630	3,796,411	39.5
45-50	.0172	95,165	1,633	471,983	3,317,781	34.9
50-55	.0262	93,532	2,447	461,889	2,845,798	30.4
55-60	.0386	91,085	3,517	447,094	2,383,909	26.2
60-65	.0593	87,568	5,191	425,571	1,936,815	22.1
65-70	.0815	82,377	6,717	396,042	1,511,244	18.3
70-75	.1303	75,660	9,855	354,983	1,115,202	14.7
75-80	.2136	65,805	14,054	295,213	760,219	11.6
80-85	.3136	51,751	16,229	218,391	465,006	9.0
85 AND OVER	1.0000	35,522	35,522	246,615	246,615	6.9

MONTHLY VITAL STATISTICS REPORT

Table 3. ABRIDGED LIFE TABLES BY COLOR AND SEX: UNITED STATES, 1977-Con.
 [For explanation of the columns of the Life Table, see Section 5 of *Vital Statistics of the United States, 1974*, Volume II]

AGE INTERVAL PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED IN YEARS (1)	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)
x to $x+n$	nq_x	l_x	n^d_x	n^L_x	T_x	e_x
WHITE						
0-1	0.0124	100,000	1,241	98,906	7,383,537	73.8
1-5	.0025	98,759	244	394,475	7,284,631	73.8
5-10	.0016	98,515	159	492,150	6,890,156	69.9
10-15	.0017	98,356	167	491,427	6,398,006	65.0
15-20	.0051	98,189	499	489,804	5,906,579	60.2
20-25	.0062	97,690	609	486,932	5,416,775	55.4
25-30	.0057	97,081	554	484,010	4,929,843	50.8
30-35	.0061	96,527	584	481,238	4,445,833	46.1
35-40	.0083	95,943	795	477,869	3,964,595	41.3
40-45	.0131	95,148	1,248	472,850	3,486,726	36.6
45-50	.0215	93,900	2,022	464,789	3,013,876	32.1
50-55	.0343	91,878	3,149	452,045	2,549,087	27.7
55-60	.0522	88,729	4,630	432,735	2,097,042	23.6
60-65	.0821	84,099	6,905	404,067	1,664,307	19.8
65-70	.1152	77,194	8,891	364,675	1,260,240	16.3
70-75	.1713	68,303	11,702	313,287	895,565	13.1
75-80	.2604	56,601	14,740	246,780	582,278	10.3
80-85	.3658	41,861	15,312	170,449	335,498	8.0
85 AND OVER	1.0000	26,549	26,549	165,049	165,049	6.2
WHITE, MALE						
0-1	0.0140	100,000	1,398	98,765	7,003,529	70.0
1-5	.0028	98,602	272	393,788	6,904,764	70.0
5-10	.0019	98,330	189	491,149	6,510,976	66.2
10-15	.0021	98,141	209	490,283	6,019,827	61.3
15-20	.0073	97,932	717	488,044	5,529,544	56.5
20-25	.0095	97,215	920	483,785	5,041,500	51.9
25-30	.0083	96,295	801	479,426	4,557,715	47.3
30-35	.0082	95,494	782	475,582	4,078,289	42.7
35-40	.0109	94,712	1,032	471,139	3,602,707	38.0
40-45	.0168	93,680	1,575	464,756	3,131,548	33.4
45-50	.0279	92,105	2,570	454,553	2,666,792	29.0
50-55	.0454	89,535	4,063	438,228	2,212,239	24.7
55-60	.0698	85,472	5,962	413,317	1,774,011	20.8
60-65	.1110	79,510	8,823	376,456	1,360,694	17.1
65-70	.1589	70,687	11,235	326,184	984,238	13.9
70-75	.2320	59,452	13,796	263,294	658,054	11.1
75-80	.3367	45,656	15,374	189,524	394,760	8.6
80-85	.4462	30,282	13,512	116,212	205,236	6.8
85 AND OVER	1.0000	16,770	16,770	89,024	89,024	5.3
WHITE, FEMALE						
0-1	0.0107	100,000	1,075	99,056	7,773,831	77.7
1-5	.0022	98,925	215	395,201	7,674,775	77.6
5-10	.0013	98,710	126	493,210	7,279,574	73.7
10-15	.0013	98,584	123	492,641	6,786,364	68.8
15-20	.0028	98,461	271	491,670	6,293,723	63.9
20-25	.0030	98,190	292	490,227	5,802,053	59.1
25-30	.0031	97,898	300	488,762	5,311,826	54.3
30-35	.0039	97,598	382	487,092	4,823,064	49.4
35-40	.0057	97,216	559	484,785	4,335,972	44.6
40-45	.0095	96,657	918	481,156	3,851,187	39.8
45-50	.0154	95,739	1,470	475,254	3,370,031	35.2
50-55	.0237	94,269	2,238	466,090	2,894,777	30.7
55-60	.0357	92,031	3,286	452,393	2,428,687	26.4
60-65	.0557	88,745	4,948	432,056	1,976,294	22.3
65-70	.0787	83,797	6,596	403,510	1,544,238	18.4
70-75	.1242	77,201	9,589	363,453	1,140,720	14.8
75-80	.2077	67,612	14,046	304,398	777,275	11.5
80-85	.3168	53,566	16,970	225,681	472,877	8.8
85 AND OVER	1.0000	36,596	36,596	247,196	247,196	6.8

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Table 3. ABRIDGED LIFE TABLES BY COLOR AND SEX: UNITED STATES, 1977—Con.
 [For explanation of the columns of the Life Table, see Section 5 of *Vital Statistics of the United States, 1974, Volume II*]

AGE INTERVAL PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED IN YEARS (1)	PROPORTION DYING PROPORTION OF PERSONS ALIVE AT BEGINNING OF AGE INTERVAL DYING DURING INTERVAL (2)	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
		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)
x to $x+n$	nq_x	l_x	n^d_x	nL_x	T_x	e_x
ALL OTHER						
0-1	0.0219	100,000	2,185	98,090	6,883,793	68.8
1-5	.0038	97,815	371	390,372	6,785,703	69.4
5-10	.0022	97,444	210	486,643	6,395,331	65.6
10-15	.0021	97,234	200	485,747	5,908,688	60.8
15-20	.0052	97,034	508	484,055	5,422,941	55.9
20-25	.0092	96,526	890	480,513	4,938,886	51.2
25-30	.0123	95,636	1,176	475,300	4,458,373	46.6
30-35	.0139	94,460	1,314	469,160	3,983,073	42.2
35-40	.0195	93,146	1,815	461,424	3,513,913	37.7
40-45	.0286	91,331	2,614	450,426	3,052,489	33.4
45-50	.0409	88,717	3,628	434,913	2,602,063	29.3
50-55	.0606	85,089	5,152	413,078	2,167,150	25.5
55-60	.0853	79,937	6,815	383,219	1,754,072	21.9
60-65	.1207	73,122	8,624	344,170	1,370,853	18.7
65-70	.1350	64,298	8,681	300,197	1,026,683	16.0
70-75	.2297	55,617	12,777	246,368	726,486	13.1
75-80	.3125	42,840	13,387	180,015	480,118	11.2
80-85	.3096	29,453	9,118	123,643	300,103	10.2
85 AND OVER	1.0000	20,335	20,335	176,460	176,460	8.7
ALL OTHER, MALE						
0-1	0.0239	100,000	2,391	97,926	6,464,504	64.6
1-5	.0042	97,609	409	389,469	6,266,578	65.2
5-10	.0026	97,200	251	485,318	5,977,109	61.5
10-15	.0027	96,949	263	484,211	5,491,791	56.6
15-20	.0073	96,686	707	481,905	5,007,580	51.8
20-25	.0138	95,979	1,327	476,750	4,525,675	47.2
25-30	.0189	94,652	1,793	468,808	4,048,925	42.8
30-35	.0206	92,859	1,911	459,676	3,580,117	38.6
35-40	.0277	90,948	2,518	448,724	3,120,441	34.3
40-45	.0389	88,430	3,441	433,903	2,671,717	30.2
45-50	.0537	84,989	4,563	413,989	2,237,814	26.3
50-55	.0783	80,426	6,296	386,969	1,823,825	22.7
55-60	.1095	74,130	8,117	350,910	1,436,856	19.4
60-65	.1553	66,013	10,254	304,924	1,085,946	16.5
65-70	.1737	55,759	9,686	254,830	781,022	14.0
70-75	.2692	46,073	12,402	199,266	526,192	11.4
75-80	.3541	33,671	11,924	137,466	326,926	9.7
80-85	.3640	21,747	7,915	87,868	189,460	8.7
85 AND OVER	1.0000	13,832	13,832	101,592	101,592	7.3
ALL OTHER, FEMALE						
0-1	0.0197	100,000	1,973	98,260	7,312,778	73.1
1-5	.0034	98,027	332	391,303	7,214,518	73.6
5-10	.0017	97,695	168	488,007	6,823,215	69.8
10-15	.0014	97,527	137	487,330	6,335,208	65.0
15-20	.0032	97,390	307	486,261	5,847,878	60.0
20-25	.0050	97,083	482	484,272	5,361,617	55.2
25-30	.0066	96,601	636	481,492	4,877,345	50.5
30-35	.0083	95,965	793	477,971	4,395,853	45.8
35-40	.0127	95,172	1,212	473,015	3,917,882	41.2
40-45	.0200	93,960	1,882	465,340	3,444,867	36.7
45-50	.0296	92,078	2,729	453,890	2,979,527	32.4
50-55	.0448	89,349	4,007	437,149	2,525,637	28.3
55-60	.0635	85,342	5,422	413,696	2,088,488	24.5
60-65	.0907	79,920	7,252	382,179	1,674,792	21.0
65-70	.1036	72,668	7,526	345,050	1,292,613	17.8
70-75	.1956	65,142	12,741	294,377	947,563	14.5
75-80	.2787	52,401	14,605	225,229	653,186	12.5
80-85	.2711	37,796	10,246	162,860	427,957	11.3
85 AND OVER	1.0000	27,550	27,550	265,097	265,097	9.6

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Table 4. DEATHS AND DEATH RATES FOR 10 LEADING CAUSES OF DEATH, BY COLOR AND SEX: UNITED STATES, 1977

[Refers only to resident deaths occurring within the United States. Excludes fetal deaths. Rates per 100,000 estimated population in specified group]

Rank order	Cause of death, color, and sex (Eighth Revision International Classification of Diseases, Adapted, 1965)	Number	Rate
	Total, both sexes—all causes.....	1,899,597	878.1
1	Diseases of heart.....390-398,402,404,410-429	718,850	332.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	386,686	178.7
3	Cerebrovascular diseases.....430-438	181,934	84.1
4	Accidents.....E800-E949	103,202	47.7
...	Motor vehicle accidents.....E810-E823	49,510	22.9
...	All other accidents.....E800-E807,E825-E949	53,692	24.8
5	Influenza and pneumonia.....470-474,480-486	51,193	23.7
6	Diabetes mellitus.....250	32,989	15.2
7	Cirrhosis of liver.....571	30,848	14.3
8	Arteriosclerosis.....440	28,754	13.3
9	Suicide.....E950-E959	28,681	13.3
10	Certain causes of mortality in early infancy.....760-769,2,769,4-772,774-778	23,401	10.8
...	All other causes.....Residual	313,059	144.7
	White, male—all causes.....	912,670	998.2
1	Diseases of heart.....390-398,402,404,410-429	358,734	392.4
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	185,152	202.5
3	Cerebrovascular diseases.....430-438	66,962	73.2
4	Accidents.....E800-E949	61,004	66.7
...	Motor vehicle accidents.....E810-E823	31,141	34.1
...	All other accidents.....E800-E807,E825-E949	29,863	32.7
5	Influenza and pneumonia.....470-474,480-486	23,665	25.9
6	Suicide.....E950-E959	19,531	21.4
7	Cirrhosis of liver.....571	16,727	18.3
8	Bronchitis, emphysema, and asthma.....490-493	15,084	16.5
9	Diabetes mellitus.....250	11,621	12.7
10	Arteriosclerosis.....440	10,694	11.7
...	All other causes.....Residual	143,486	156.9
	White, female—all causes.....	751,430	783.3
1	Diseases of heart.....390-398,402,404,410-429	289,574	301.8
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	157,854	164.5
3	Cerebrovascular diseases.....430-438	92,576	96.5
4	Accidents.....E800-E949	27,239	28.4
...	Motor vehicle accidents.....E810-E823	12,218	12.7
...	All other accidents.....E800-E807,E825-E949	15,021	15.7
5	Influenza and pneumonia.....470-474,480-486	21,125	22.0
6	Arteriosclerosis.....440	15,981	16.7
7	Diabetes mellitus.....250	15,861	16.5
8	Cirrhosis of liver.....571	8,721	9.1
9	Suicide.....E950-E959	7,048	7.3
10	Certain causes of mortality in early infancy.....760-769,2,769,4-772,774-778	6,742	7.0
...	All other causes.....Residual	108,709	113.5
	All other, male—all causes.....	133,573	967.1
1	Diseases of heart.....390-398,402,404,410-429	37,748	273.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	25,307	183.2
3	Accidents.....E800-E949	10,931	79.1
...	Motor vehicle accidents.....E810-E823	4,663	33.8
...	All other accidents.....E800-E807,E825-E949	6,268	45.4
4	Cerebrovascular diseases.....430-438	10,389	75.2
5	Homicide.....E960-E978	7,404	53.6
6	Certain causes of mortality in early infancy.....760-769,2,769,4-772,774-778	4,043	29.3
7	Influenza and pneumonia.....470-474,480-486	3,953	28.6
8	Cirrhosis of liver.....571	3,440	24.9
9	Diabetes mellitus.....250	2,011	14.6
10	Suicide.....E950-E959	1,578	11.4
...	All other causes.....Residual	26,769	193.9
	All other, female—all causes.....	101,924	672.5
1	Diseases of heart.....390-398,402,404,410-429	32,794	216.4
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	18,373	121.2
3	Cerebrovascular diseases.....430-438	12,007	79.2
4	Accidents.....E800-E949	4,028	26.6
...	Motor vehicle accidents.....E810-E823	1,488	9.8
...	All other accidents.....E800-E807,E825-E949	2,540	16.8
5	Diabetes mellitus.....250	3,486	23.1
6	Certain causes of mortality in early infancy.....760-769,2,769,4-772,774-778	3,211	21.2
7	Influenza and pneumonia.....470-474,480-486	2,450	16.2
8	Cirrhosis of liver.....571	1,960	12.9
9	Homicide.....E960-E978	1,826	12.0
10	Nephritis and nephrosis.....580-584	1,131	7.5
...	All other causes.....Residual	20,648	136.2

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Table 5. DEATHS AND DEATH RATES FOR THE 10 LEADING CAUSES OF DEATH IN SPECIFIED AGE GROUPS: UNITED STATES, 1976 AND 1977

[Refers only to resident deaths occurring within the United States. Rates per 100,000 population]

Rank order in 1977	Cause of death and age (Eighth Revision International Classification of Diseases, Adapted, 1965)	1977		1976	
		Number	Rate	Number	Rate
	1-4 years, all causes.....	8,307	68.8	8,606	69.9
1	Accidents.....E800-E949	3,297	27.3	3,439	27.9
...	Motor vehicle accidents.....E810-E823	1,219	10.1	1,291	10.5
...	All other accidents.....E800-E807,E825-E949	2,078	17.2	2,148	17.4
2	Congenital anomalies.....740-759	1,066	8.8	1,114	9.0
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	631	5.2	656	5.3
4	Influenza and pneumonia.....470-474,480-486	374	3.1	480	3.9
5	Homicide.....E960-E978	330	2.7	306	2.5
6	Diseases of heart.....390-398,402,404,410-429	234	1.9	227	1.8
7	Meningitis.....320	211	1.7	220	1.8
8	Cerebrovascular diseases.....430-438	99	0.8	90	0.7
9	Meningococcal infections.....036	89	0.7	90	0.7
10	Enteritis and other diarrheal diseases.....008,009	74	0.6	82	0.7
...	All other causes.....Residual	1,902	15.8	1,902	15.4
	5-14 years, all causes.....	12,579	34.6	12,901	34.7
1	Accidents.....E800-E949	6,305	17.3	6,308	17.0
...	Motor vehicle accidents.....E810-E823	3,142	8.6	3,175	8.5
...	All other accidents.....E800-E807,E825-E949	3,163	8.7	3,133	8.4
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	1,733	4.8	1,849	5.0
3	Congenital anomalies.....740-759	676	1.9	745	2.0
4	Homicide.....E960-E978	436	1.2	392	1.1
5	Influenza and pneumonia.....470-474,480-486	344	0.9	362	1.0
6	Diseases of heart.....390-398,402,404,410-429	311	0.9	332	0.9
7	Suicide.....E950-E959	190	0.5	163	0.4
8	Cerebrovascular diseases.....430-438	175	0.5	206	0.6
9	Benign neoplasms and neoplasms of unspecified nature.....210-239	99	0.3	112	0.3
10	Anemias.....280-285	96	0.3	98	0.3
...	All other causes.....Residual	2,214	6.1	2,334	6.3
	15-24 years, all causes.....	47,986	117.1	46,081	113.5
1	Accidents.....E800-E949	25,619	62.5	24,316	59.9
...	Motor vehicle accidents.....E810-E823	18,092	44.1	16,650	41.0
...	All other accidents.....E800-E807,E825-E949	7,527	18.4	7,666	18.9
2	Suicide.....E950-E959	5,565	13.6	4,747	11.7
3	Homicide.....E960-E978	5,196	12.7	5,038	12.4
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	2,672	6.5	2,659	6.5
5	Diseases of heart.....390-398,402,404,410-429	1,035	2.5	1,072	2.6
6	Congenital anomalies.....740-759	651	1.6	568	1.4
7	Influenza and pneumonia.....470-474,480-486	522	1.3	611	1.5
8	Cerebrovascular diseases.....430-438	479	1.2	506	1.2
9	Anemias.....280-285	157	0.4	138	0.3
10	Diabetes mellitus.....250	156	0.4	159	0.4
...	All other causes.....Residual	5,934	14.5	6,267	15.4
	25-44 years, all causes.....	103,042	182.5	101,898	185.6
1	Accidents.....E800-E949	23,460	41.5	22,399	40.8
...	Motor vehicle accidents.....E810-E823	13,031	23.1	12,112	22.1
...	All other accidents.....E800-E807,E825-E949	10,429	18.5	10,287	18.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	16,753	29.7	16,485	30.0
3	Diseases of heart.....390-398,402,404,410-429	14,392	25.5	14,393	26.2
4	Suicide.....E950-E959	9,782	17.3	8,823	16.1
5	Homicide.....E960-E978	8,824	15.6	8,554	15.6
6	Cirrhosis of liver.....571	4,853	8.6	5,058	9.2
7	Cerebrovascular diseases.....430-438	3,439	6.1	3,737	6.8
8	Influenza and pneumonia.....470-474,480-486	1,695	3.0	2,027	3.7
9	Diabetes mellitus.....250	1,363	2.4	1,477	2.7
10	Congenital anomalies.....740-759	741	1.3	740	1.3
...	All other causes.....Residual	17,740	31.4	18,205	33.2

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Table 5. DEATHS AND DEATH RATES FOR THE 10 LEADING CAUSES OF DEATH IN SPECIFIED AGE GROUPS: UNITED STATES, 1976 AND 1977—Con.
 [Refers only to resident deaths occurring within the United States. Rates per 100,000 population]

Rank order in 1977	Cause of death and age (Eighth Revision International Classification of Diseases, Adapted, 1965)	1977		1976	
		Number	Rate	Number	Rate
	45-64 years, all causes.....	437,795	1,000.0	446,066	1,020.8
1	Diseases of heart.....390-398,402,404,410-429	153,652	351.0	158,069	381.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	132,514	302.7	130,993	299.8
3	Cerebrovascular diseases.....430-438	22,926	52.4	24,630	56.4
4	Accidents.....E800-E949	19,167	43.8	19,000	43.5
...	Motor vehicle accidents.....E810-E823	8,000	18.3	7,770	17.8
...	All other accidents.....E800-E807,E825-E949	11,167	25.5	11,230	25.7
5	Cirrhosis of liver.....E71	17,166	39.2	17,821	40.8
6	Suicide.....E950-E959	8,368	19.1	8,546	19.6
7	Diabetes mellitus.....250	7,798	17.8	8,006	18.3
8	Influenza and pneumonia.....470-474,480-486	6,691	15.3	8,010	18.3
9	Bronchitis, emphysema, and asthma.....490-493	5,357	12.2	6,040	13.8
10	Homicide.....E960-E978	3,783	8.6	3,837	8.8
...	All other causes.....Residual	60,373	137.9	61,144	139.9
	65 years and over, all causes.....	1,242,344	5,288.1	1,245,118	5,428.9
1	Diseases of heart.....390-398,402,404,410-429	548,352	2,334.1	548,956	2,393.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	232,226	988.5	224,543	979.0
3	Cerebrovascular diseases.....430-438	154,623	658.2	159,304	664.6
4	Influenza and pneumonia.....470-474,480-486	39,871	169.7	48,405	211.1
5	Arteriosclerosis.....440	27,371	116.5	28,032	122.2
6	Accidents.....E800-E949	24,092	102.5	23,961	104.5
...	Motor vehicle accidents.....E810-E823	5,750	24.5	5,780	25.2
...	All other accidents.....E800-E807,E825-E949	18,342	78.1	18,181	79.3
7	Diabetes mellitus.....250	23,589	100.5	24,797	108.1
8	Bronchitis, emphysema, and asthma.....490-493	16,288	69.3	17,623	76.8
9	Cirrhosis of liver.....E71	8,622	36.7	8,378	36.5
10	Nephritis and nephrosis.....580-584	5,834	24.8	5,732	25.0
...	All other causes.....Residual	161,466	687.3	155,387	677.5

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Table 6. DEATH RATES FOR SELECTED CAUSES OF DEATH BY AGE: UNITED STATES, 1968, 1976, AND 1977

[Refers only to resident deaths within the United States. Excludes fetal deaths. Rates per 100,000 population in specified group]

Cause of death (Eighth Revision International Classification of Diseases, Adapted, 1965)	Year	Total	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.....	1977	878.1	1,485.6	68.8	34.6	117.1	136.2	247.5	620.7	1,434.9	3,055.6	7,181.9	14,725.9
	1976	889.6	1,595.0	69.9	34.7	113.3	136.2	254.1	634.8	1,475.6	3,127.6	7,331.6	15,486.9
	1968	967.9	2,265.7	89.6	43.0	123.7	157.2	319.8	751.3	1,704.4	3,724.0	8,293.5	19,582.7
Diseases of heart.....390-398,402,404,410-429	1977	332.3	23.1	1.9	0.9	2.5	8.5	49.3	194.1	530.8	1,250.5	3,198.3	7,095.8
	1976	337.2	23.1	1.8	0.9	2.6	8.5	50.8	199.8	552.4	1,286.9	3,263.7	7,384.3
	1968	373.5	12.3	1.6	1.0	2.8	11.9	70.8	251.7	686.9	1,632.8	3,825.4	9,278.3
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	1977	178.7	3.8	5.2	4.8	6.5	14.5	50.9	182.5	440.5	792.6	1,267.5	1,445.6
	1976	175.8	3.2	5.3	5.0	6.5	14.5	51.5	182.0	438.4	786.3	1,248.6	1,441.5
	1968	159.8	4.9	8.0	6.4	8.2	17.3	61.0	183.0	413.5	749.2	1,133.8	1,475.3
Cerebrovascular diseases.....430-438	1977	84.1	5.3	0.8	0.5	1.2	3.1	10.3	28.7	79.5	259.9	970.7	2,425.2
	1976	87.9	4.4	0.7	0.6	1.2	3.4	11.5	31.4	85.8	280.1	1,014.0	2,586.8
	1968	106.0	5.3	0.9	0.7	1.7	4.9	16.5	44.6	121.7	409.5	1,317.6	3,605.9
Accidents.....E800-E949	1977	47.7	37.1	27.3	17.3	62.5	44.2	37.8	40.3	47.8	61.8	134.4	284.2
	1976	46.9	41.4	27.9	17.0	59.9	43.5	37.1	39.9	47.7	62.2	134.5	306.7
	1968	57.6	74.9	32.6	20.5	69.2	52.5	47.6	53.6	64.7	90.0	188.8	513.7
Motor vehicle accidents.....E810-E823	1977	22.9	8.0	10.1	8.6	44.1	26.1	18.9	17.7	18.9	21.0	31.6	25.5
	1976	21.9	8.0	10.5	8.5	41.0	24.7	18.4	17.4	18.2	21.7	32.3	26.0
	1968	27.5	9.5	11.5	10.1	49.8	32.6	24.9	25.8	28.5	35.0	47.4	39.7
All other accidents.....E800-E807,E825-E949	1977	24.8	29.1	17.2	8.7	18.4	18.2	18.9	22.6	28.9	40.8	102.7	258.7
	1976	26.0	33.4	17.4	8.4	18.9	18.8	18.7	22.5	29.5	40.4	102.2	280.7
	1968	30.1	65.4	21.1	10.5	19.5	19.9	22.7	27.8	36.2	55.0	141.5	474.0
Influenza and pneumonia.....470-474,480-486	1977	23.7	53.2	3.1	0.9	1.3	2.0	4.4	9.6	21.9	58.5	236.2	731.2
	1976	28.8	64.8	3.9	1.0	1.5	2.4	5.4	11.6	26.3	70.1	289.3	959.2
	1968	36.9	234.9	9.9	1.8	2.8	4.4	9.3	19.9	41.9	106.0	330.7	1,167.8
Diabetes mellitus.....250	1977	15.2	0.3	0.1	0.1	0.4	1.5	3.7	9.6	27.2	65.9	142.8	203.8
	1976	16.1	0.3	0.1	0.1	0.4	1.8	3.9	9.8	28.4	70.0	155.8	219.2
	1968	19.2	0.5	0.2	0.2	0.7	2.6	5.3	13.1	38.7	96.3	188.2	257.9
Cirrhosis of liver.....571	1977	14.3	1.0	0.1	0.0	0.3	3.8	15.3	33.8	45.4	42.6	30.2	16.9
	1976	14.7	1.1	0.1	0.0	0.3	3.7	16.9	35.0	47.6	42.6	29.3	18.0
	1968	14.6	1.5	0.2	0.1	0.4	4.2	18.1	36.8	46.1	40.3	29.6	22.7
Arteriosclerosis.....440	1977	13.3	-	-	0.0	0.0	0.0	0.2	1.1	5.3	25.4	146.0	659.2
	1976	13.7	0.0	0.0	-	0.0	0.0	0.2	0.9	5.2	25.8	152.5	714.3
	1968	16.8	0.0	0.0	0.0	0.0	0.0	0.2	1.2	6.8	40.7	220.7	1,121.7
Suicide.....E950-E959	1977	13.3	...	...	0.5	13.6	17.7	16.8	18.9	19.4	20.1	21.5	17.3
	1976	12.5	...	...	0.4	11.7	15.9	16.3	19.2	20.0	19.5	20.8	18.9
	1968	10.7	...	...	0.3	7.1	12.0	16.1	19.7	21.5	19.0	21.3	22.1
Bronchitis, emphysema, and asthma.....490-493	1977	10.3	2.2	0.4	0.2	0.3	0.4	1.3	5.1	20.4	54.4	94.3	91.7
	1976	11.4	2.3	0.5	0.2	0.2	0.5	1.3	6.0	23.0	60.7	101.4	108.5
	1968	16.6	5.2	0.9	0.3	0.5	1.0	2.9	10.9	40.8	94.4	139.1	154.5
Homicide.....E960-E969	1977	9.2	5.6	2.7	1.2	12.7	16.5	14.5	9.8	7.4	5.2	4.9	4.7
	1976	9.1	5.6	2.5	1.1	12.4	16.5	14.3	10.0	7.3	5.3	5.3	4.9
	1968	7.4	4.8	1.5	0.7	10.1	15.3	12.9	9.1	6.3	4.4	3.4	3.7
Nephritis and nephrosis.....580-584	1977	3.9	2.0	0.2	0.1	0.3	0.6	1.2	2.8	6.5	14.9	34.8	61.7
	1976	4.0	1.2	0.2	0.1	0.3	0.7	1.4	3.1	6.6	15.2	34.1	64.6
	1968	4.7	0.8	0.2	0.4	1.0	1.5	3.4	5.2	9.2	15.8	32.1	74.5
Septicemia.....038	1977	3.3	34.4	0.6	0.1	0.2	0.3	0.8	1.9	4.5	9.5	25.3	49.4
	1976	3.0	35.6	0.6	0.1	0.2	0.4	0.8	1.8	4.0	8.6	22.8	41.6
	1968	1.5	23.8	0.7	0.1	0.2	0.3	0.5	0.9	2.0	4.2	8.4	17.0

NOTE: Rates for 1968 are based on revised intercensal estimates of the population.

MONTHLY VITAL STATISTICS REPORT

Table 7. DEATHS FROM 69 SELECTED

[Refers only to resident deaths occurring

Cause of death (Eighth Revision International Classification of Diseases, Adapted, 1965)		Total	Under 1 year
1	All causes	1,899,597	46,975
2	Bacillary dysentery and amebiasis .....004-006	53	9
3	Enteritis and other diarrheal diseases.....008,009	1,865	645
4	Tuberculosis, all forms.....010-019	2,968	5
5	Tuberculosis of respiratory system.....010-012	2,324	4
6	Tuberculosis, other forms.....013-019	644	1
7	Whooping cough.....033	10	7
8	Streptococcal sore throat and scarlet fever.....034	14	-
9	Meningococcal infections.....036	338	94
10	Septicemia.....038	7,112	1,087
11	Acute poliomyelitis.....040-043	16	-
12	Measles.....055	15	2
13	Syphilis and its sequelae.....090-097	198	4
14	Other infective and parasitic diseases.....Remainder of 000-136	4,353	298
15	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	386,688	121
16	Malignant neoplasms of buccal cavity and pharynx.....140-149	6,454	1
17	Malignant neoplasms of digestive organs and peritoneum.....150-159	102,951	13
18	Malignant neoplasms of respiratory system.....160-163	95,192	2
19	Malignant neoplasm of breast.....174	34,782	-
20	Malignant neoplasms of genital organs.....180-187	44,273	1
21	Malignant neoplasms of urinary organs.....188,189	17,382	4
22	Malignant neoplasms of all other and unspecified sites.....170-173,190-199	47,276	60
23	Leukemia.....204-207	15,329	37
24	Other neoplasms of lymphatic and hematopoietic tissues.....200-203,208,209	21,077	3
25	Benign neoplasms and neoplasms of unspecified nature.....210-239	4,925	78
26	Diabetes mellitus.....250	32,989	8
27	Avitaminoses and other nutritional deficiencies.....260-269	2,606	53
28	Anemias.....280-285	3,121	32
29	Meningitis.....320	1,526	504
30	Major cardiovascular diseases.....390-448	961,539	934
31	Diseases of heart.....390-398,402,404,410-428	718,850	731
32	Active rheumatic fever and chronic rheumatic heart disease.....390-398	12,770	1
33	Hypertensive heart disease.....402	6,905	-
34	Hypertensive heart and renal disease.....404	3,530	-
35	Ischemic heart disease.....410-413	638,427	18
36	Acute myocardial infarction.....410	306,388	14
37	Other acute and subacute forms of ischemic heart disease.....411	3,993	2
38	Chronic ischemic heart disease.....412	327,830	2
39	Angina pectoris.....413	206	-
40	Chronic disease of endocardium and other myocardial insufficiency.....424,428	4,024	33
41	All other forms of heart disease.....420-423,425-427,429	53,194	679
42	Hypertension.....400,401,403	5,695	-
43	Cerebrovascular diseases.....430-438	181,934	167
44	Cerebral hemorrhage.....431	23,832	94
45	Cerebral thrombosis.....433	42,016	7
46	Cerebral embolism.....434	731	-
47	All other cerebrovascular diseases.....430,432,435-438	115,355	66
48	Arteriosclerosis.....440	28,754	-
49	Other diseases of arteries, arterioles, and capillaries.....441-448	26,306	36
50	Acute bronchitis and bronchiolitis.....466	697	82
51	Influenza and pneumonia.....470-474,480-486	51,193	1,682
52	Influenza.....470-474	1,304	17
53	Pneumonia.....480-486	49,889	1,665
54	Bronchitis, emphysema, and asthma.....490-493	22,363	70
55	Chronic and unqualified bronchitis.....490,491	4,313	52
56	Emphysema.....492	16,376	14
57	Asthma.....493	1,674	4
58	Peptic ulcer.....531-533	5,900	14
59	Appendicitis.....540-543	747	7
60	Hernia and intestinal obstruction.....550-553,560	5,699	473
61	Cirrhosis of liver.....571	30,848	32
62	Cholelithiasis, cholecystitis and cholangitis.....574,575	2,957	6
63	Nephritis and nephrosis.....580-584	8,519	63
64	Acute nephritis and nephrotic syndrome.....580,581	1,833	51
65	Chronic and unqualified nephritis and renal sclerosis.....582-584	6,686	12
66	Infections of kidney.....590	3,712	5
67	Hyperplasia of prostate.....600	998	-
68	Complications of pregnancy, childbirth, and the puerperium.....630-678	373	-
69	Abortions.....640-645	20	-
70	Other complications of pregnancy, childbirth, and the puerperium.....630-639,650-678	353	-
71	Congenital anomalies.....740-759	12,983	8,420
72	Certain causes of mortality in early infancy.....760-769,2,769,4-772,774-778	23,401	23,356
73	Birth injury, difficult labor, and other anoxic and hypoxic conditions.....764-768,772,776	12,633	12,600
74	Other causes of mortality in early infancy.....Remainder of 760-778	10,768	10,756
75	Symptoms and ill-defined conditions.....780-796	32,149	5,590
76	All other diseases.....Residual	130,428	1,849
77	Accidents.....E800-E949	103,202	1,173
78	Motor vehicle accidents.....E810-E823	49,510	253
79	All other accidents.....E800-E807,E825-E949	53,692	920
80	Suicide.....E950-E959	28,681	...
81	Homicide.....E960-E978	19,988	177
82	Other external causes.....E980-E999	4,457	105

MONTHLY VITAL STATISTICS REPORT

CAUSES, BY AGE: UNITED STATES, 1977

within the United States. Excludes fetal deaths)

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	
8,307	12,579	47,986	44,933	58,109	145,123	292,672	445,595	490,598	306,151	569	1
5	6	4	3	5	6	5	5	4	1	-	2
74	20	26	26	32	70	132	212	304	314	-	3
11	6	30	81	183	350	602	761	640	295	4	4
2	3	15	62	141	279	473	600	486	256	3	5
9	3	15	19	42	71	129	161	154	39	1	6
1	-	-	1	-	-	-	1	-	-	-	7
2	1	2	1	2	2	3	1	-	-	-	8
89	23	32	16	9	13	23	26	10	3	-	9
72	41	91	115	199	449	909	1,385	1,731	1,028	5	10
-	-	-	3	4	2	5	2	-	-	-	11
2	6	2	1	-	2	-	-	-	-	-	12
-	1	1	2	3	10	36	70	57	12	-	13
130	166	240	268	274	446	671	829	646	384	1	14
631	1,733	2,672	4,797	11,956	42,662	89,852	115,587	86,585	30,054	36	15
3	12	31	50	228	1,265	2,585	2,424	1,351	500	4	16
26	27	159	605	2,091	8,432	21,531	31,797	27,698	10,569	4	17
3	9	54	320	2,488	12,877	27,994	31,966	16,212	3,250	7	18
-	1	16	608	2,081	6,313	8,988	8,503	5,816	2,433	3	19
5	20	281	627	1,179	3,506	8,145	12,893	12,673	4,939	4	20
32	33	28	71	308	1,381	3,304	4,902	5,410	1,907	2	21
317	646	940	1,227	2,161	5,622	10,458	12,779	9,428	3,636	2	22
220	802	717	591	643	1,206	2,352	3,642	3,671	1,449	3	23
25	183	447	698	777	2,060	4,495	6,144	4,863	1,371	7	24
25	99	127	166	252	500	908	1,262	1,061	444	3	25
9	51	156	494	869	2,253	5,545	9,611	9,752	4,236	5	26
19	14	12	26	26	80	202	431	837	905	1	27
53	96	157	114	87	152	325	602	879	624	-	28
211	83	52	36	49	88	154	177	119	52	1	29
347	515	1,661	4,095	14,623	53,975	129,855	232,795	304,940	217,617	182	30
234	311	1,035	2,816	11,576	45,386	108,266	182,354	218,477	147,521	143	31
7	38	151	282	580	1,385	2,782	3,839	2,761	944	-	32
2	3	13	58	171	482	1,024	1,785	2,089	1,279	1	33
3	-	4	4	24	98	262	654	1,259	1,222	5	34
2	15	151	1,399	9,026	38,884	95,145	162,804	197,385	133,473	124	35
3	6	103	860	5,740	24,326	58,207	90,931	86,373	33,792	44	36
-	2	5	21	118	427	850	1,100	919	548	1	37
1	7	41	518	3,166	14,111	36,055	70,715	110,038	93,097	79	38
-	-	2	-	2	20	33	58	55	36	-	39
19	15	63	114	130	260	536	807	1,077	969	1	40
203	240	657	959	1,645	4,277	8,517	12,465	13,906	9,634	12	41
-	1	14	59	151	327	631	1,222	1,837	1,452	1	42
99	175	479	1,016	2,423	6,706	16,220	37,896	66,308	50,419	26	43
19	63	142	302	793	2,119	3,918	5,948	6,855	3,578	1	44
8	4	19	55	153	361	2,838	8,461	16,561	13,143	6	45
-	2	1	5	10	32	95	173	255	158	-	46
72	106	317	654	1,467	3,794	9,369	23,314	42,637	33,540	19	47
-	2	2	9	37	252	1,072	3,697	9,970	13,704	9	48
14	26	131	195	436	1,304	3,666	7,626	8,348	4,521	3	49
51	19	14	16	19	45	76	115	143	117	-	50
374	344	622	667	1,028	2,233	4,458	8,633	16,137	15,201	14	51
15	16	15	16	19	36	107	198	380	485	-	52
359	328	507	651	1,009	2,197	4,351	8,335	15,757	14,716	14	53
46	66	108	119	304	1,204	4,153	7,939	6,443	1,906	5	54
32	24	31	25	48	220	726	1,403	1,213	538	1	55
1	6	5	20	134	792	3,123	6,092	4,908	1,278	4	56
13	37	72	74	122	192	304	444	322	90	-	57
9	4	23	81	171	439	1,009	1,529	1,658	963	-	58
11	30	17	18	32	67	126	167	181	91	-	59
20	30	46	52	96	255	535	1,118	1,731	1,337	6	60
12	13	138	1,259	3,594	7,905	9,261	6,208	2,062	352	12	61
-	2	13	22	51	133	284	715	948	783	-	62
23	35	111	190	290	645	1,328	2,172	2,379	1,283	-	63
11	12	12	21	39	92	238	490	551	316	-	64
12	23	99	169	251	553	1,090	1,682	1,828	967	-	65
3	5	14	25	45	145	330	767	1,307	1,065	1	66
-	1	-	-	-	6	45	194	421	332	-	67
-	-	129	178	63	2	-	-	-	-	-	68
-	-	8	8	4	-	-	-	-	-	-	69
-	1	121	170	59	2	-	-	-	-	-	70
1,066	676	651	427	314	370	422	356	178	76	27	71
32	3	-	-	-	-	2	-	-	-	8	72
30	1	-	-	-	-	-	-	-	-	2	73
2	2	-	-	-	-	2	-	-	-	6	74
309	155	1,018	1,258	1,466	2,744	4,332	5,823	5,422	3,973	69	75
911	1,270	2,673	3,618	5,225	11,121	21,365	33,212	32,876	16,275	33	76
3,297	6,305	25,619	14,593	8,867	9,427	9,740	9,006	9,178	5,908	89	77
1,219	3,142	18,092	8,600	4,431	4,148	3,852	3,060	2,160	530	23	78
2,078	3,163	7,527	5,993	4,436	5,279	5,888	5,946	7,018	5,378	66	79
...	190	5,565	5,827	3,955	4,417	3,951	2,831	1,472	360	13	80
330	436	5,196	5,431	3,393	2,281	1,502	756	333	97	36	81
132	134	864	907	623	624	526	297	164	63	18	82

MONTHLY VITAL STATISTICS REPORT

Table 8. DEATH RATES FOR 69 SELECTED

[Refers only to resident deaths occurring within the United States. Excludes

Cause of death (Eighth Revision International Classification of Diseases, Adapted, 1965)		Total	Under 1 year
1	All causes	878.1	1,485.6
2	Bacillary dysentery and amebiasis	0.0	0.3
3	Enteritis and other diarrheal diseases	0.9	20.4
4	Tuberculosis, all forms	1.4	0.2
5	Tuberculosis of respiratory system	1.1	0.1
6	Tuberculosis, other forms	0.3	0.0
7	Whooping cough	0.0	0.2
8	Streptococcal sore throat and scarlet fever	0.0	-
9	Meningococcal infections	0.2	3.0
10	Septicemia	3.3	34.4
11	Acute poliomyelitis	0.0	-
12	Measles	0.0	0.1
13	Syphilis and its sequelae	0.1	0.1
14	Other infective and parasitic diseases	2.0	9.4
15	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	178.7	3.8
16	Malignant neoplasms of buccal cavity and pharynx	3.9	0.0
17	Malignant neoplasms of digestive organs and peritoneum	47.6	0.4
18	Malignant neoplasms of respiratory system	44.0	0.1
19	Malignant neoplasm of breast	16.1	-
20	Malignant neoplasms of genital organs	180-187	20.5
21	Malignant neoplasms of urinary organs	188-189	8.0
22	Malignant neoplasms of all other and unspecified sites	170-173, 190-199	21.9
23	Leukemia	204-207	7.1
24	Other neoplasms of lymphatic and hematopoietic tissues	200-203, 208, 209	9.7
25	Benign neoplasms and neoplasms of unspecified nature	210-239	2.3
26	Diabetes mellitus	250	15.2
27	Avitaminoses and other nutritional deficiencies	260-269	1.2
28	Anemias	280-285	1.4
29	Meningitis	320	0.7
30	Major cardiovascular diseases	390-448	444.5
31	Diseases of heart	390-398, 402, 404, 410-429	332.3
32	Active rheumatic fever and chronic rheumatic heart disease	390-398	5.9
33	Hypertensive heart disease	402	3.2
34	Hypertensive heart and renal disease	404	1.6
35	Ischemic heart disease	410-413	295.1
36	Acute myocardial infarction	410	141.6
37	Other acute and subacute forms of ischemic heart disease	411	1.8
38	Chronic ischemic heart disease	412	151.5
39	Angina pectoris	413	0.1
40	Chronic disease of endocardium and other myocardial insufficiency	424, 428	1.9
41	All other forms of heart disease	420-423, 425-427, 429	24.6
42	Hypertension	400, 401, 403	2.6
43	Cerebrovascular diseases	430-438	84.1
44	Cerebral hemorrhage	431	11.0
45	Cerebral thrombosis	433	19.4
46	Cerebral embolism	434	0.3
47	All other cerebrovascular diseases	430, 432, 435-438	53.3
48	Arteriosclerosis	440	13.3
49	Other diseases of arteries, arterioles, and capillaries	441-448	12.2
50	Acute bronchitis and bronchiolitis	466	0.3
51	Influenza and pneumonia	470-474, 480-486	23.7
52	Influenza	470-474	0.6
53	Pneumonia	480-486	23.1
54	Bronchitis, emphysema, and asthma	490-493	10.3
55	Chronic and unqualified bronchitis	490, 491	2.0
56	Emphysema	492	7.6
57	Asthma	493	0.8
58	Peptic ulcer	531-533	2.7
59	Appendicitis	540-543	0.3
60	Hernia and intestinal obstruction	550-553, 560	2.6
61	Cirrhosis of liver	571	14.3
62	Cholelithiasis, cholecystitis and cholangitis	574, 575	1.4
63	Nephritis and nephrosis	580-584	3.9
64	Acute nephritis and nephrotic syndrome	580, 581	0.8
65	Chronic and unqualified nephritis and renal sclerosis	582-584	3.1
66	Infections of kidney	590	1.7
67	Hyperplasia of prostate	600	0.5
68	Complications of pregnancy, childbirth, and the puerperium	630-678	0.2
69	Abortions	640-645	0.0
70	Other complications of pregnancy, childbirth, and the puerperium	630-639, 650-678	0.2
71	Congenital anomalies	740-759	6.0
72	Certain causes of mortality in early infancy	760-769, 2,769, 4-772, 774-778	10.8
73	Birth injury, difficult labor, and other anoxic and hypoxic conditions	764-768, 772, 776	5.8
74	Other causes of mortality in early infancy	Remainder of 760-778	5.0
75	Symptoms and ill-defined conditions	780-796	14.9
76	All other diseases	Residual	60.3
77	Accidents	E800-E949	47.7
78	Motor vehicle accidents	E810-E823	22.9
79	All other accidents	E800-E807, E825-E949	24.8
80	Suicide	E950-E959	13.3
81	Homicide	E960-E978	9.2
82	Other external causes	E980-E999	2.1

MONTHLY VITAL STATISTICS REPORT

CAUSES, BY AGE: UNITED STATES, 1977

fetal deaths. Rates per 100,000 estimated population in specified group]

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	
68.8	34.6	117.1	136.2	247.5	620.7	1,434.9	3,055.6	7,181.9	14,725.9	1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2
0.6	0.1	0.1	0.1	0.1	0.3	0.6	1.5	4.5	15.1	3
0.1	0.0	0.1	0.2	0.8	1.5	3.0	5.2	9.4	14.2	4
0.0	0.0	0.0	0.2	0.6	1.2	2.3	4.1	7.1	12.3	5
0.1	0.0	0.0	0.1	0.2	0.3	0.6	1.1	2.3	1.9	6
0.0	-	-	0.0	-	-	-	0.0	-	-	7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	8
0.7	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.1	0.1	9
0.6	0.1	0.2	0.3	0.8	1.9	4.5	9.5	25.3	49.4	10
-	-	-	0.0	0.0	0.0	0.0	0.0	-	-	11
0.0	0.0	0.0	0.0	-	0.0	-	-	-	-	12
-	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	0.6	13
1.1	0.5	0.6	0.8	1.2	1.9	3.3	5.7	9.5	18.5	14
5.2	4.8	6.5	14.5	50.9	182.5	440.5	792.6	1,267.5	1,445.6	15
0.0	0.0	0.1	0.2	1.0	5.4	12.7	16.6	19.8	24.1	16
0.2	0.1	0.4	1.8	8.9	36.1	105.6	218.0	405.5	508.4	17
0.0	0.0	0.1	1.0	10.6	55.1	137.3	219.2	237.3	156.3	18
-	0.0	0.0	1.8	8.9	27.0	44.1	58.3	85.1	117.0	19
0.0	0.1	0.7	1.9	5.0	15.0	39.9	88.4	185.5	237.6	20
0.3	0.1	0.1	0.2	1.3	5.9	16.2	37.1	71.8	91.7	21
2.6	1.8	2.3	3.7	9.2	24.0	51.3	87.6	138.0	174.9	22
1.8	2.2	1.7	1.8	2.7	5.2	11.5	25.2	53.3	69.7	23
0.2	0.5	1.1	2.1	3.3	8.8	22.0	42.1	71.2	65.9	24
0.2	0.3	0.3	0.5	1.1	2.1	4.5	8.7	15.5	21.4	25
0.1	0.1	0.4	1.5	3.7	9.6	27.2	65.9	142.8	203.8	26
0.2	0.0	0.0	0.1	0.1	0.3	1.0	3.0	12.3	43.5	27
0.4	0.3	0.4	0.3	0.4	0.7	1.6	4.1	12.9	30.0	28
1.7	0.2	0.1	0.1	0.2	0.4	0.8	1.2	1.7	2.5	29
2.9	1.4	4.1	12.4	62.3	230.8	636.7	1,596.3	4,464.1	10,467.4	30
1.9	0.9	2.5	8.5	49.3	194.1	530.8	1,250.5	3,198.3	7,095.8	31
0.1	0.1	0.4	0.9	2.5	5.9	13.6	26.3	40.4	45.4	32
-	0.0	-	0.2	0.7	2.1	5.0	12.2	30.6	61.5	33
0.0	-	-	0.1	0.4	1.3	4.5	18.4	58.8	58.8	34
0.0	0.0	0.4	4.2	38.4	166.3	466.5	1,116.4	2,889.5	6,420.1	35
0.0	0.0	0.3	2.6	24.4	104.0	285.4	623.5	1,264.4	1,914.0	36
-	0.0	0.1	0.1	0.5	1.8	4.2	7.5	13.5	26.4	37
0.0	0.0	0.1	1.6	13.5	60.3	176.8	484.9	1,610.9	4,478.0	38
-	-	0.0	-	0.0	0.1	0.2	0.4	0.8	1.7	39
0.2	0.0	0.2	0.3	0.6	1.1	2.6	5.5	15.8	46.6	40
1.7	0.7	1.6	2.9	7.0	18.3	41.8	85.5	203.6	463.4	41
-	0.0	0.0	0.2	0.6	1.4	3.1	8.4	26.9	69.8	42
0.8	0.5	1.2	3.1	10.3	28.7	79.5	259.9	970.7	2,425.2	43
0.2	0.2	0.3	0.9	3.4	9.1	19.2	40.8	100.4	172.1	44
0.1	0.0	0.0	0.2	0.7	3.3	13.9	58.0	242.4	632.2	45
-	0.0	0.0	0.0	0.1	0.5	1.2	3.7	7.6	7.6	46
0.6	0.3	0.8	2.0	6.2	16.2	45.9	159.9	624.2	1,613.3	47
-	0.0	0.0	0.0	0.2	1.1	5.3	25.4	146.0	659.2	48
0.1	0.1	0.3	0.6	1.9	5.6	18.0	52.3	122.2	217.5	49
0.4	0.1	0.0	0.0	0.1	0.2	0.4	0.8	2.1	5.6	50
3.1	0.9	1.3	2.0	4.4	9.5	21.9	58.5	236.2	731.2	51
0.1	0.0	0.0	0.0	0.1	0.2	0.5	1.4	5.6	23.3	52
3.0	0.9	1.2	2.0	4.3	9.4	21.3	57.2	230.7	707.8	53
0.4	0.2	0.3	0.4	1.3	5.1	20.4	54.4	94.3	91.7	54
0.3	0.1	0.1	0.1	0.2	0.9	3.6	9.6	17.8	25.9	55
0.0	0.0	0.0	0.1	0.6	3.4	15.3	41.8	71.8	61.5	56
0.1	0.1	0.2	0.2	0.5	0.8	1.5	3.0	4.7	4.3	57
0.1	0.0	0.1	0.2	0.7	1.9	4.9	10.5	24.3	46.3	58
0.1	0.1	0.0	0.1	0.1	0.3	0.6	1.1	2.6	4.4	59
0.2	0.1	0.1	0.2	0.4	1.1	2.6	7.7	25.3	64.3	60
0.1	0.0	0.3	3.8	15.3	33.8	45.4	42.6	30.2	16.9	61
-	0.0	0.0	0.1	0.2	0.6	1.4	4.9	13.9	37.7	62
0.2	0.1	0.3	0.6	1.2	2.8	6.5	14.9	34.8	61.7	63
0.1	0.0	0.0	0.1	0.2	0.4	1.2	3.4	8.1	15.2	64
0.1	0.1	0.2	0.5	1.1	2.4	5.3	11.5	26.8	46.5	65
0.0	0.0	0.0	0.1	0.2	0.6	1.6	5.3	19.1	51.2	66
-	-	-	-	-	0.0	0.2	1.3	6.2	16.0	67
-	0.0	0.3	0.5	0.3	0.0	-	-	-	-	68
-	-	0.0	0.0	0.0	0.0	-	-	-	-	69
-	0.0	0.3	0.5	0.3	0.0	-	-	-	-	70
8.8	1.9	1.6	1.3	1.3	1.6	2.1	2.4	2.6	3.7	71
0.3	0.0	-	-	-	-	0.0	-	-	-	72
0.2	0.0	-	-	-	-	-	-	-	-	73
0.0	0.0	-	-	-	-	0.0	-	-	-	74
2.6	0.4	2.5	3.8	6.2	11.7	21.2	39.9	79.4	191.1	75
7.5	3.5	6.5	11.0	22.3	47.6	104.8	227.7	481.3	782.8	76
27.3	17.3	62.5	44.2	37.8	40.3	47.8	61.8	134.4	284.2	77
10.1	8.6	44.1	26.1	18.9	17.7	18.9	21.0	31.6	25.5	78
17.2	8.7	18.4	18.2	18.9	22.6	28.9	40.8	102.7	258.7	79
...	0.5	13.6	17.7	16.8	18.9	19.4	20.1	21.5	17.3	80
2.7	1.2	12.7	16.5	14.5	9.8	7.4	5.2	4.9	4.7	81
1.1	0.4	2.1	2.7	2.7	2.7	2.6	2.0	2.4	3.0	82

Table 9. DEATH AND DEATH RATES FOR 69 SELECTED
[Refers only to resident deaths occurring within the United States.]

Cause of death (Eighth Revision International Classification of Diseases, Adapted, 1965)	Total			
	Both sexes		Male	
	Number	Rate	Number	Rate
1 All causes	1,899,597	878.1	1,048,243	994.1
2 Bacillary dysentery and amebiasis.....004-006	53	0.0	29	0.0
3 Enteritis and other diarrheal diseases.....008-009	1,855	0.9	836	0.8
4 Tuberculosis, all forms.....010-019	2,968	1.4	2,027	1.9
5 Tuberculosis of respiratory system.....010-012	2,324	1.1	1,656	1.6
6 Tuberculosis, other forms.....013-019	644	0.3	371	0.4
7 Whooping cough.....033	10	0.0	-	-
8 Streptococcal sore throat and scarlet fever.....034	14	0.0	9	0.0
9 Meningococcal infections.....036	338	0.2	177	0.2
10 Septicemia.....038	7,112	3.3	3,771	3.6
11 Acute poliomyelitis.....040-043	16	0.0	6	0.0
12 Measles.....055	15	0.0	8	0.0
13 Syphilis and its sequelae.....090-097	196	0.1	121	0.1
14 Other infective and parasitic diseases.....Remainder of 000-136	4,353	2.0	2,260	2.1
15 Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	386,686	178.7	210,459	200.0
16 Malignant neoplasms of buccal cavity and pharynx.....140-149	8,454	3.9	5,929	5.6
17 Malignant neoplasms of digestive organs and peritoneum.....150-159	102,951	47.6	54,387	51.7
18 Malignant neoplasms of respiratory system.....160-163	95,182	44.0	72,179	68.6
19 Malignant neoplasm of breast.....174	34,762	16.1	281	0.3
20 Malignant neoplasms of genital organs.....180-187	44,273	20.5	21,723	20.6
21 Malignant neoplasms of urinary organs.....188,189	17,382	8.0	11,442	10.9
22 Malignant neoplasms of all other and unspecified sites.....170-173,190-199	47,276	21.9	24,829	23.6
23 Leukemia.....204-207	15,329	7.1	8,611	8.2
24 Other neoplasms of lymphatic and hematopoietic tissues.....200-203,206,209	21,077	9.7	11,078	10.5
25 Benign neoplasms and neoplasms of unspecified nature.....210-239	4,925	2.3	2,343	2.2
26 Diabetes mellitus.....250	32,989	15.2	13,632	13.0
27 Avitaminoses and other nutritional deficiencies.....260-269	2,606	1.2	1,110	1.1
28 Anemias.....280-285	3,121	1.4	1,483	1.4
29 Meningitis.....320	1,526	0.7	843	0.8
30 Major cardiovascular diseases.....390-448	961,539	444.5	503,868	478.8
31 Diseases of heart.....390-398,402,404,410-429	718,850	332.3	396,432	376.7
32 Active rheumatic fever and chronic rheumatic heart disease.....390-398	12,770	5.9	5,624	5.3
33 Hypertensive heart disease.....402	6,905	3.2	2,797	2.7
34 Hypertensive heart and renal disease.....404	3,530	1.6	1,802	1.5
35 Ischemic heart disease.....410-413	638,427	295.1	355,007	337.3
36 Acute myocardial infarction.....410	306,398	141.6	188,480	179.1
37 Other acute and subacute forms of ischemic heart disease.....411	3,993	1.8	2,564	2.5
38 Chronic ischemic heart disease.....412	327,830	151.5	163,813	155.7
39 Angina pectoris.....413	206	0.1	120	0.1
40 Chronic disease of endocardium and other myocardial insufficiency.....424,428	4,024	1.9	2,032	1.9
41 All other forms of heart disease.....420-423,425-427,429	53,194	24.6	29,420	28.0
42 Hypertension.....400,401,403	5,895	2.6	2,749	2.6
43 Cerebrovascular diseases.....430-438	181,934	84.1	77,351	73.5
44 Cerebral hemorrhage.....431	23,832	11.0	10,889	10.4
45 Cerebral thrombosis.....433	42,016	19.4	17,680	16.8
46 Cerebral embolism.....434	731	0.3	292	0.3
47 All other cerebrovascular diseases.....430,432,435-438	115,355	53.3	48,480	46.1
48 Arteriosclerosis.....440	28,754	13.3	11,848	11.1
49 Other diseases of arteries, arterioles, and capillaries.....441-448	26,306	12.2	15,638	14.9
50 Acute bronchitis and bronchiolitis.....486	697	0.3	392	0.4
51 Influenza and pneumonia.....470-474,480-486	51,193	23.7	27,618	26.2
52 Influenza.....470-474	1,304	0.6	509	0.5
53 Pneumonia.....480-486	49,889	23.1	27,109	25.8
54 Bronchitis, emphysema, and asthma.....490-493	22,363	10.3	16,107	15.3
55 Chronic and unqualified bronchitis.....490,491	4,313	2.0	2,785	2.6
56 Emphysema.....492	16,376	7.6	12,594	12.0
57 Asthma.....493	1,674	0.8	728	0.7
58 Peptic ulcer.....531-533	5,900	2.7	3,527	3.4
59 Appendicitis.....540-543	747	0.3	422	0.4
60 Hernia and intestinal obstruction.....550-553,560	5,699	2.6	2,386	2.3
61 Cirrhosis of liver.....571	30,848	14.3	20,167	19.2
62 Cholelithiasis, cholecystitis and cholangitis.....574,575	2,957	1.4	1,299	1.2
63 Nephritis and nephrosis.....580-584	8,519	3.9	4,580	4.4
64 Acute nephritis and nephrotic syndrome.....580,581	1,833	0.8	999	0.9
65 Chronic and unqualified nephritis and renal sclerosis.....582-584	6,686	3.1	3,581	3.4
66 Infections of kidney.....590	3,712	1.7	1,481	1.4
67 Hyperplasia of prostate.....600	998	0.5	998	0.9
68 Complications of pregnancy, childbirth, and the puerperium.....630-678	373	0.2	...	...
69 Abortions.....640-645	20	0.0	...	...
70 Other complications of pregnancy, childbirth, and the puerperium.....630-639,650-678	353	0.2	...	...
71 Congenital anomalies.....740-759	12,983	6.0	6,986	6.6
72 Certain causes of mortality in early infancy.....760-769,774-778	23,401	10.8	13,448	12.8
73 Birth injury, difficult labor, and other anoxic and hypoxic conditions.....764-768,772,776	12,633	5.8	7,392	7.0
74 Other causes of mortality in early infancy.....Remainder of 760-778	10,768	5.0	6,056	5.8
75 Symptoms and ill-defined conditions.....780-796	32,149	14.9	18,821	17.7
76 All other diseases.....Residual	130,428	60.3	73,761	70.1
77 Accidents.....E800-E949	103,202	47.7	71,935	68.4
78 Motor vehicle accidents.....E810-E823	49,510	22.9	35,904	34.0
79 All other accidents.....E800-E807,E825-E949	53,692	24.8	36,131	34.3
80 Suicide.....E950-E969	28,681	13.3	21,109	20.1
81 Homicide.....E960-E978	19,968	9.2	15,355	14.6
82 Other external causes.....E980-E999	4,457	2.1	3,069	2.9

MONTHLY VITAL STATISTICS REPORT

CAUSES, BY COLOR AND SEX: UNITED STATES, 1977

[Excludes fetal deaths. Rates per 100,000 estimated population in specified group]

Total		White						All other						
		Both sexes		Male		Female		Both sexes		Male		Female		
Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
853,354	768.2	1,664,100	888.2	912,670	998.2	751,430	783.3	235,497	813.0	133,573	967.1	101,924	672.5	1
24	0.0	42	0.0	22	0.0	20	0.0	11	0.0	7	0.1	4	0.0	2
1,019	0.9	1,418	0.8	614	0.7	804	0.8	437	1.5	222	1.6	215	1.4	3
941	0.8	2,019	1.1	1,343	1.5	676	0.7	949	3.3	684	5.0	265	1.7	4
688	0.6	1,583	0.8	1,105	1.2	478	0.5	741	2.6	551	4.0	190	1.3	5
273	0.2	436	0.2	238	0.3	198	0.2	208	0.7	133	1.0	75	0.5	6
10	0.0	7	0.0	-	-	7	0.0	3	0.0	-	-	3	0.0	7
5	0.0	12	0.0	7	0.0	5	0.0	2	0.0	2	0.0	-	-	8
161	0.1	267	0.1	138	0.2	129	0.1	71	0.2	39	0.3	32	0.2	9
3,341	3.0	5,499	2.9	2,910	3.2	2,589	2.7	1,613	5.6	861	6.2	752	0.5	10
10	0.0	15	0.0	6	0.0	9	0.0	1	0.0	-	-	1	0.0	11
7	0.0	15	0.0	8	0.0	7	0.0	-	-	-	-	-	-	12
75	0.1	101	0.1	62	0.1	39	0.0	95	0.3	59	0.4	36	0.2	13
2,093	1.9	3,452	1.8	1,808	2.0	1,644	1.7	901	3.1	452	3.3	449	3.0	14
176,227	158.6	343,006	183.1	185,152	202.5	157,854	164.5	43,680	150.8	25,307	183.2	18,373	121.2	15
2,525	2.3	7,287	3.9	5,043	5.5	2,244	2.3	1,167	4.0	886	6.4	281	1.9	16
48,584	43.7	90,644	48.4	47,265	51.7	43,379	45.2	12,307	42.5	7,122	51.6	5,185	34.2	17
23,003	20.7	84,480	45.1	63,679	69.6	20,781	21.7	10,722	37.0	8,500	61.5	2,222	14.7	18
34,481	31.0	31,457	16.8	247	0.3	31,210	32.5	3,305	11.4	34	0.2	3,271	21.6	19
22,550	20.3	37,994	20.3	18,350	20.1	19,614	20.4	6,309	21.8	3,373	24.4	2,936	19.4	20
5,940	5.3	15,994	8.5	10,583	11.6	5,381	5.6	1,418	4.9	859	6.2	559	3.7	21
22,447	20.2	42,181	22.5	22,128	24.2	20,053	20.9	5,095	17.6	2,701	19.6	2,394	15.8	22
6,718	6.0	13,996	7.5	7,892	8.6	6,104	6.4	1,333	4.6	719	5.2	614	4.1	23
9,999	9.0	19,053	10.2	9,965	10.9	9,088	9.5	2,024	7.0	1,113	8.1	911	6.0	24
2,582	2.3	4,316	2.3	2,060	2.3	2,256	2.4	609	2.1	283	2.0	326	2.2	25
19,357	17.4	27,482	14.7	11,621	12.7	15,861	16.5	5,507	19.0	2,011	14.6	3,496	23.1	26
1,496	1.3	2,235	1.2	911	1.0	1,324	1.4	371	1.3	199	1.4	172	1.1	27
1,638	1.5	2,485	1.3	1,171	1.3	1,314	1.4	636	2.2	312	2.3	324	2.1	28
683	0.6	1,083	0.6	601	0.7	482	0.5	443	1.5	242	1.8	201	1.3	29
457,671	412.0	863,063	460.6	453,000	495.5	410,063	427.4	98,476	340.0	50,868	368.3	47,608	314.1	30
322,368	290.2	648,308	346.0	358,734	392.4	289,574	301.8	70,542	243.5	37,748	273.3	32,794	216.4	31
7,148	6.4	11,645	6.2	5,101	5.6	6,544	6.8	1,125	3.9	523	3.8	602	4.0	32
4,108	3.7	5,307	2.8	2,079	2.3	3,228	3.4	1,598	5.5	718	5.2	880	5.8	33
1,928	1.7	2,990	1.6	1,339	1.5	1,651	1.7	540	1.9	263	1.9	277	1.8	34
283,420	265.1	580,428	309.8	323,830	354.2	256,598	267.5	67,999	200.2	31,177	225.7	26,822	177.0	35
117,918	108.1	283,651	151.4	175,554	192.0	108,097	112.7	22,747	78.5	12,926	93.6	9,821	64.8	36
1,999	1.3	3,461	1.8	2,249	2.5	1,212	1.3	532	1.8	345	2.5	187	1.2	37
164,017	147.6	293,129	156.4	145,920	159.6	147,209	153.4	34,701	119.8	17,893	129.6	16,808	110.9	38
86	0.1	187	0.1	107	0.1	80	0.1	19	0.1	13	0.1	6	0.0	39
1,992	1.8	3,502	1.9	1,790	2.0	1,712	1.8	522	1.8	242	1.8	280	1.8	40
23,774	21.4	44,436	23.7	24,595	26.9	19,841	20.7	8,758	30.2	4,825	34.9	3,933	25.9	41
2,946	2.7	4,540	2.4	2,171	2.4	2,369	2.5	1,155	4.0	578	4.2	577	3.8	42
104,583	94.1	159,538	85.1	66,962	73.2	92,576	96.5	22,396	77.3	10,389	75.2	12,007	79.2	43
12,933	11.6	20,017	10.7	9,004	9.8	11,013	11.5	3,815	13.2	1,895	13.7	1,920	12.7	44
24,336	21.9	37,714	20.1	15,677	17.1	22,037	23.0	4,302	14.9	2,003	14.5	2,299	15.2	45
439	0.4	670	0.4	265	0.3	405	0.4	61	0.2	27	0.2	34	0.2	46
66,876	60.2	101,137	54.0	42,016	46.0	59,121	61.6	14,218	49.1	6,464	46.8	7,754	51.2	47
17,106	15.4	26,675	14.2	10,694	11.7	15,981	16.7	2,079	7.2	954	6.9	1,125	7.4	48
10,688	9.6	24,002	12.8	14,439	15.8	9,563	10.0	2,304	8.0	1,199	8.7	1,105	7.3	49
305	0.3	615	0.3	352	0.4	263	0.3	82	0.3	40	0.3	42	0.3	50
23,676	21.2	44,790	23.9	23,665	25.9	21,125	22.0	6,403	22.1	3,953	28.6	2,450	16.2	51
795	0.7	1,179	0.6	457	0.5	722	0.8	125	0.4	52	0.4	73	0.5	52
22,780	20.5	43,611	23.3	23,208	25.4	20,403	21.3	6,278	21.7	3,901	28.2	2,377	15.7	53
6,258	5.6	20,923	11.2	15,084	16.5	5,839	6.1	1,440	5.0	1,023	7.4	417	2.8	54
1,528	1.4	4,057	2.2	2,612	2.9	1,445	1.5	256	0.9	173	1.3	83	0.5	55
3,752	3.4	15,557	8.3	11,911	13.0	3,646	3.8	819	2.8	683	4.9	136	0.9	56
946	0.9	1,309	0.7	561	0.6	748	0.8	365	1.3	167	1.2	198	1.3	57
2,373	2.1	5,326	2.8	3,166	3.5	2,160	2.3	574	2.0	361	2.6	213	1.4	58
325	0.3	583	0.3	333	0.4	250	0.3	164	0.6	89	0.6	75	0.5	59
3,313	3.0	4,980	2.7	2,010	2.2	2,970	3.1	719	2.5	376	2.7	343	2.3	60
10,881	9.6	25,448	13.6	16,727	18.3	8,721	9.1	5,400	18.6	3,440	24.9	1,960	12.9	61
1,658	1.5	2,706	1.4	1,199	1.3	1,507	1.6	251	0.9	100	0.7	151	1.0	62
3,839	3.5	6,249	3.3	3,441	3.8	2,808	2.9	2,270	7.8	1,139	8.2	1,131	7.5	63
834	0.8	1,497	0.8	814	0.9	683	0.7	336	1.2	185	1.3	151	1.0	64
3,105	2.8	4,752	2.5	2,627	2.9	2,125	2.2	1,934	6.7	954	6.9	980	6.5	65
2,231	2.0	3,136	1.7	1,226	1.3	1,910	2.0	576	2.0	255	1.8	321	2.1	66
...	...	854	0.5	854	0.9	...	...	144	0.5	144	1.0	...	...	67
373	0.3	208	0.1	...	...	...	...	208	0.2	165	...	165	1.1	68
20	0.0	8	0.0	...	...	...	...	8	0.0	...	...	12	0.1	69
353	0.3	200	0.1	...	...	...	...	200	0.2	153	...	153	1.0	70
5,697	5.4	10,738	5.7	5,810	6.4	4,926	5.1	2,247	7.8	1,176	8.5	1,071	7.1	71
9,853	9.0	16,147	8.6	9,405	10.3	6,742	7.0	7,254	25.0	4,043	29.3	3,211	21.2	72
5,241	4.7	8,952	4.8	5,306	5.8	3,646	3.8	3,681	12.7	2,066	15.1	1,595	10.5	73
4,712	4.2	7,195	3.8	4,090	4.5	3,096	3.2	3,573	12.3	1,957	14.2	1,616	10.7	74
13,528	12.2	23,435	12.5	13,680	14.9	9,775	10.2	8,714	30.1	4,961	35.9	3,753	24.8	75
56,667	51.0	112,499	60.0	63,506	69.5	48,993	51.1	17,929	61.9	10,265	74.3	7,674	50.6	76
31,267	28.1	88,243	47.1	61,004	66.7	27,239	28.4	14,959	51.6	10,931	79.1	4,028	26.6	77
13,706	12.3	43,359	23.1	31,141	34.1	12,218	12.7	6,151	21.2	4,663	33.8	1,488	9.8	78

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Table 10. AGE-ADJUSTED DEATH RATES FOR 69 SELECTED

[Refers only to resident deaths occurring within the United States. Excludes fetal deaths. Based on age-specific death rates per 100,000 estimated midyear population in

Cause of death (Eighth Revision International Classification of Diseases, Adapted, 1965)		Total	
		Both sexes	Male
1	All causes	612.3	811.9
2	Bacillary dysentery and amebiasis	0.0	0.0
3	Enteritis and other diarrheal diseases	0.7	0.7
4	Tuberculosis, all forms	1.0	1.6
5	Tuberculosis of respiratory system	0.8	1.3
6	Tuberculosis, other forms	0.2	0.3
7	Whooping cough	0.0	0.0
8	Streptococcal sore throat and scarlet fever	0.0	0.0
9	Meningococcal infections	0.2	0.2
10	Septicemia	2.4	3.0
11	Acute poliomyelitis	0.0	0.0
12	Measles	0.0	0.0
13	Syphilis and its sequelae	0.1	0.1
14	Other infective and parasitic diseases	1.7	1.9
	Remainder of 000-136		
15	Malignant neoplasms, including neoplasms of lymphatic and hemopoietic tissues	133.0	164.5
16	Malignant neoplasms of buccal cavity and pharynx	3.1	4.8
17	Malignant neoplasms of digestive organs and peritoneum	33.4	41.8
18	Malignant neoplasms of respiratory system	34.3	58.0
19	Malignant neoplasm of breast	12.9	0.2
20	Malignant neoplasms of genital organs	14.3	15.0
21	Malignant neoplasms of urinary organs	5.6	8.6
22	Malignant neoplasms of all other and unspecified sites	16.9	20.3
23	Leukemia	5.4	6.9
24	Other neoplasms of lymphatic and hemopoietic tissues	7.4	8.9
25	Benign neoplasms and neoplasms of unspecified nature	1.7	1.9
26	Diabetes mellitus	10.4	10.5
27	Avitaminoses and other nutritional deficiencies	0.7	0.8
28	Anemias	1.0	1.1
29	Meningitis	0.7	0.8
30	Major cardiovascular diseases	274.2	368.7
31	Diseases of heart	210.4	294.7
32	Active rheumatic fever and chronic rheumatic heart disease	4.5	4.6
33	Hypertensive heart disease	2.1	2.1
34	Hypertensive heart and renal disease	0.9	1.1
35	Ischemic heart disease	185.0	262.9
36	Acute myocardial infarction	96.4	145.2
37	Other acute and subacute forms of ischemic heart disease	1.3	2.0
38	Chronic ischemic heart disease	87.2	115.5
39	Angina pectoris	0.1	0.1
40	Chronic disease of endocardium and other myocardial insufficiency	1.2	1.5
41	All other forms of heart disease	16.8	22.6
42	Hypertension	1.6	1.9
43	Cerebrovascular diseases	48.2	63.5
44	Cerebral hemorrhage	7.6	8.4
45	Cerebral thrombosis	10.4	11.8
46	Cerebral embolism	0.2	0.2
47	All other cerebrovascular diseases	30.1	33.1
48	Arteriosclerosis	6.2	7.1
49	Other diseases of arteries, arterioles, and capillaries	7.8	11.5
50	All other diseases of arteries, arterioles, and capillaries	4.1	4.8
50	Acute bronchitis and bronchiolitis	0.2	0.3
51	Influenza and pneumonia	14.2	19.4
52	Influenza	0.3	0.4
53	Pneumonia	13.8	19.1
54	Bronchitis, emphysema, and asthma	7.2	11.9
55	Chronic and unqualified bronchitis	1.4	2.1
56	Emphysema	5.2	9.3
57	Asthma	0.6	0.6
58	All other diseases	0.0	0.0
58	Peptic ulcer	1.8	2.7
59	Appendicitis	0.3	0.4
60	Hernia and intestinal obstruction	1.7	1.7
61	Cirrhosis of liver	13.1	18.4
62	Cholelithiasis, cholecystitis and cholangitis	0.8	0.9
63	Nephritis and nephrosis	2.7	3.4
64	Acute nephritis and nephrotic syndrome	0.6	0.7
65	Chronic and unqualified nephritis and renal sclerosis	2.2	2.7
66	Infections of kidney	1.0	1.0
67	Hyperplasia of prostate	0.2	0.6
68	Complications of pregnancy, childbirth, and the puerperium	0.2	...
69	Abortions	0.0	...
70	Other complications of pregnancy, childbirth, and the puerperium	0.2	...
71	Congenital anomalies	6.2	6.6
72	Certain causes of mortality in early infancy	11.4	12.7
73	Birth injury, difficult labor, and other anoxic and hypoxic conditions	6.1	7.0
74	Other causes of mortality in early infancy	5.2	5.7
75	Symptoms and ill-defined conditions	11.8	15.5
76	All other diseases	43.6	57.4
77	Accidents	43.8	65.5
78	Motor vehicle accidents	22.4	33.3
79	All other accidents	21.4	32.2
80	Suicide	12.9	19.7
81	Homicide	9.6	15.1
82	Other external causes	2.1	2.9

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CAUSES, BY COLOR AND SEX: UNITED STATES, 1977

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]

Total	White			All other			
	Female	Both sexes	Male	Female	Both sexes	Male		Female
450.6	585.4	781.5	427.8	814.0	1,045.9	621.3	1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
0.7	0.6	0.6	0.6	1.3	1.3	1.2	3
0.6	0.7	1.2	0.4	3.5	5.7	1.8	4
0.4	0.6	0.9	0.3	2.8	4.6	1.3	5
0.2	0.2	0.2	0.1	0.8	1.1	0.5	6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
0.2	0.1	0.1	0.1	0.2	0.3	0.2	9
2.0	2.0	2.5	1.7	5.3	6.3	4.5	10
0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
0.0	0.0	0.0	0.0	0.3	0.5	0.2	13
1.5	1.5	1.7	1.3	3.2	3.5	3.0	14
110.0	130.0	160.0	108.3	169.3	205.4	122.4	15
1.6	2.9	4.5	1.5	4.6	7.7	2.0	16
26.8	32.1	40.0	26.0	44.1	57.8	32.9	17
15.6	33.6	58.4	15.6	40.8	71.4	15.7	18
23.5	12.9	0.2	23.6	12.7	0.3	22.9	19
14.8	13.4	14.0	14.2	21.8	24.9	19.9	20
3.2	5.6	8.8	3.2	4.9	6.8	3.5	21
14.1	16.7	20.1	13.9	18.4	22.0	15.5	22
4.2	5.5	7.1	4.2	4.6	5.5	3.9	23
6.1	7.4	8.9	6.1	7.3	9.0	6.0	24
1.6	1.7	1.8	1.6	2.2	2.3	2.1	25
10.3	9.4	9.8	9.0	19.5	16.3	22.0	26
0.6	0.6	0.7	0.6	1.1	1.4	0.8	27
0.9	0.8	0.9	0.7	2.2	2.3	2.0	28
0.6	0.5	0.6	0.5	1.4	1.7	1.3	29
189.0	267.4	365.0	190.2	328.8	398.0	271.9	30
142.9	206.8	294.0	137.2	237.9	297.8	186.7	31
4.4	4.5	4.6	4.4	4.2	4.3	4.1	32
2.0	1.7	1.7	1.6	5.6	5.8	5.4	33
0.7	0.8	0.9	0.7	1.8	2.0	1.6	34
122.7	183.6	264.7	118.0	194.2	245.3	152.3	35
57.0	98.2	149.7	56.6	79.0	103.8	58.7	36
0.7	1.3	2.0	0.6	1.9	2.8	1.1	37
64.9	84.2	112.9	61.7	113.3	138.6	92.5	38
0.0	0.1	0.1	0.0	0.1	0.1	0.0	39
1.0	1.1	1.4	0.9	1.8	1.9	1.6	40
12.1	15.1	20.7	10.7	30.3	38.3	23.7	41
1.4	1.3	1.6	1.1	4.1	4.6	3.6	42
44.2	45.3	50.5	41.5	73.4	79.8	68.0	43
6.9	6.8	7.5	6.2	14.0	15.9	12.5	44
9.3	10.0	11.4	9.0	13.4	15.1	12.1	45
0.2	0.2	0.2	0.2	0.2	0.2	0.2	46
27.8	28.3	31.4	26.1	45.7	48.7	43.3	47
5.6	6.2	7.2	5.5	5.7	6.4	5.1	48
5.1	7.8	11.7	4.9	7.8	9.4	6.5	49
0.2	0.2	0.3	0.2	0.3	0.3	0.2	50
10.4	13.2	18.1	9.8	21.0	28.6	14.0	51
0.3	0.3	0.3	0.3	0.4	0.4	0.4	52
10.0	12.9	17.7	9.5	20.6	29.3	13.6	53
3.7	7.3	12.3	3.7	5.1	8.1	2.7	54
0.8	1.4	2.1	0.9	0.9	1.3	0.5	55
2.2	5.4	9.7	2.3	2.9	5.5	0.8	56
0.7	0.5	0.5	0.6	1.3	1.3	1.4	57
1.2	1.8	2.6	1.2	2.0	3.0	1.3	58
0.2	0.2	0.3	0.1	0.6	0.7	0.5	59
1.6	1.6	1.6	1.6	2.3	2.8	2.0	60
8.4	11.8	16.7	7.5	22.5	31.4	15.0	61
0.7	0.8	0.9	0.7	0.8	0.7	0.9	62
2.2	2.1	2.8	1.6	8.1	9.0	7.4	63
0.4	0.5	0.6	0.4	1.1	1.4	0.9	64
1.8	1.6	2.2	1.2	6.9	7.6	6.4	65
1.0	0.9	0.9	0.9	1.8	1.9	1.8	66
...	0.2	0.6	...	0.4	1.0	...	67
0.4	0.1	...	0.2	0.6	...	1.1	68
0.0	0.0	...	0.0	0.0	...	0.1	69
0.3	0.1	...	0.2	0.5	...	1.0	70
5.8	6.1	6.5	5.6	6.7	7.1	6.4	71
9.9	9.4	10.7	8.1	20.6	22.5	18.5	72
5.2	5.2	6.1	4.4	10.4	11.6	9.2	73
4.7	4.2	4.7	3.7	10.1	10.9	9.3	74
8.7	9.5	12.7	6.8	29.0	37.0	22.3	75
33.0	40.8	54.2	30.7	64.5	82.8	49.5	76
23.2	42.5	63.2	22.7	53.1	84.5	25.8	77
11.9	22.5	33.2	12.2	21.9	35.8	9.9	78
11.3	20.0	30.0	10.6	31.2	48.7	15.9	79
6.8	13.6	20.6	7.2	7.8	12.6	3.7	80
4.2	5.9	8.8	2.9	34.5	60.1	12.5	81
1.3	1.8	2.5	1.1	3.9	6.0	2.1	82

Table 11. DEATHS UNDER 1 YEAR AND INFANT MORTALITY RATES FOR 65 SELECTED CAUSES, BY COLOR: UNITED STATES, 1977

[Refers only to resident deaths occurring within the United States. Excludes fetal deaths]

Cause of death (Eighth Revision International Classification of Diseases, Adapted, 1965)	Number			Rate ¹		
	Total	White	All other	Total	White	All other
All causes.....	46,975	33,199	13,776	1,412.1	1,233.7	2,167.5
Diarrheal diseases.....009	618	334	284	18.6	12.4	44.7
Whooping cough.....033	7	5	2	*0.2	*0.2	*0.3
Meningococcal infections.....036	94	75	19	2.8	2.8	*3.0
Tetanus.....037	-	-	-	-	-	-
Septicemia.....038	1,087	734	353	32.7	27.3	55.5
Viral diseases.....040-079	165	112	53	5.0	4.2	8.3
Congenital syphilis.....090	4	1	3	*0.1	*0.0	*0.5
Other infective and parasitic diseases.....Remainder of 000-136	176	116	60	5.3	4.3	9.4
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	121	103	18	3.6	3.8	*2.8
Benign neoplasms and neoplasms of unspecified nature.....210-239	78	64	14	2.3	2.4	*2.2
Diseases of thymus gland.....254	12	8	4	*0.4	*0.3	*0.6
Cystic fibrosis.....273.0	36	31	5	1.1	1.2	*0.8
Diseases of the blood-forming organs.....280-289	164	101	53	4.6	3.8	8.3
Meningitis.....320	504	335	169	15.2	12.4	26.6
Other diseases of nervous system and sense organs.....321-389	520	383	137	15.6	14.2	21.8
Acute upper respiratory infections.....460-465	71	43	28	2.1	1.6	4.4
Bronchitis and bronchiolitis.....466,490,491	134	90	44	4.0	3.3	6.9
Influenza and pneumonia.....470-474,480-486	1,682	1,042	640	50.6	38.7	100.7
Influenza.....470-474	17	11	6	*0.5	*0.4	*0.9
Pneumonia.....480-486	1,665	1,031	634	50.1	38.3	99.8
Other chronic interstitial pneumonia.....517	23	15	8	0.7	*0.6	*1.3
All other diseases of respiratory system.....492,493,500-516,518,519	410	271	139	12.3	10.1	21.9
Hernia and intestinal obstruction.....550-553,560	473	393	80	14.2	14.6	12.6
Gastritis, duodenitis, enteritis, and colitis of noninfectious origin.....535,561,563	39	24	15	1.2	0.9	*2.4
Other diseases of digestive system.....520-534,536,537,540-543,562,564-577	268	191	77	8.1	7.1	12.1
Congenital anomalies.....740-769	8,420	6,872	1,548	253.1	255.4	243.6
Anencephalus.....740	744	676	68	22.4	25.1	10.7
Spina bifida.....741	309	274	35	9.3	10.2	5.5
Congenital hydrocephalus.....742	391	306	85	11.8	11.4	13.4
Other congenital anomalies of central nervous system and eye.....743,744	288	237	51	8.7	8.8	8.0
Congenital anomalies of heart.....746	2,977	2,439	538	89.5	90.6	84.6
Other congenital anomalies of circulatory system.....747	765	591	174	23.0	22.0	27.4
Congenital anomalies of respiratory system.....748	648	510	138	19.5	19.0	21.7
Congenital anomalies of digestive system.....749-751	288	211	77	8.7	7.8	12.1
Congenital anomalies of genitourinary system.....752,753	304	248	56	9.1	9.2	8.8
Congenital anomalies of musculoskeletal system.....754-766	231	188	43	6.9	7.0	6.8
Down's disease.....759.3	68	57	11	2.0	2.1	*1.7
Other congenital syndromes affecting multiple systems.....759.0-759.2,759.4-759.9	1,230	993	237	37.0	36.9	37.3
Other and unspecified congenital anomalies.....745,757,768	177	142	35	5.3	5.3	5.5
Certain causes of mortality in early infancy.....760-769,2,769.4-772,774-778	23,356	16,113	7,243	702.1	598.8	1,139.6
Chronic circulatory and genitourinary diseases in mother.....760	4	-	-	*0.1	*0.1	-
Other maternal conditions unrelated to pregnancy.....761	139	103	36	4.2	3.8	5.7
Syphilis.....761.0	1	-	-	*0.0	*0.0	-
Diabetes mellitus.....761.1	56	49	7	1.7	1.8	*1.1
Rubella.....761.3	6	3	3	*0.2	*0.1	*0.5
All other maternal conditions unrelated to pregnancy.....761.2,761.4-761.7,761.9	76	50	26	2.3	1.9	4.1
Toxemia of pregnancy.....762	89	57	32	2.7	2.1	5.0
Maternal antepartum and intrapartum infection.....763	188	118	70	5.7	4.4	11.0
Difficult labor.....764-768	258	192	66	7.8	7.1	10.4
With mention of birth injury (0..3).....764	54	37	17	1.6	1.4	*2.7
Without mention of birth injury (4.,9).....765	204	155	49	6.1	5.8	7.7
All other complications of pregnancy and childbirth.....769.0-769.2,769.4,769.5,769.9	2,713	1,947	766	81.6	72.4	120.5
Conditions of placenta.....770	868	665	203	26.1	24.7	31.9
Conditions of umbilical cord.....771	209	158	51	6.3	5.9	8.0
Birth injury without mention of cause.....772	1,738	1,251	487	52.2	46.5	76.8
Hemolytic disease of newborn.....774,775	246	204	42	7.4	7.6	6.6
Hyaline membrane disease.....776.1	3,012	2,247	765	90.5	83.5	120.4
Respiratory distress syndrome.....776.2	3,586	2,536	1,050	107.8	94.2	165.2
Asphyxia of newborn, unspecified.....776.9	3,271	2,211	1,060	98.3	82.2	166.8
All other anoxic and hypoxic conditions not elsewhere classifiable.....776.0,776.3,776.4	735	490	245	22.1	18.2	38.5
Immaturity, unqualified.....777	3,714	2,315	1,399	111.6	86.0	220.1
Postmaturity.....778.1	1	-	1	*0.0	-	*0.2
Hemorrhagic disease of newborn.....778.2	569	365	204	17.1	13.6	32.1
All other conditions of newborn.....778.0,778.3,778.9	2,016	1,250	766	60.6	46.4	120.5
Symptoms and ill-defined conditions.....780-796	5,580	3,662	1,918	167.7	136.1	301.8
Accidents.....E800-E849	1,173	839	334	35.3	31.2	52.6
Inhalation and ingestion of food or other object causing obstruction or suffocation.....E911,E912	275	186	89	8.3	6.9	14.0
Accidental mechanical suffocation.....E913	206	142	64	6.2	5.3	10.1
Other accidental causes.....E800-E910,E914-E949	692	511	181	20.8	19.0	28.5
Homicide.....E960-E978	177	108	69	5.3	4.0	10.9
All other causes.....Residual	1,593	1,134	459	47.9	42.1	72.2

¹ Per 100,000 live births in specified group.

Table 12. MATERNAL DEATHS AND MATERNAL MORTALITY RATES FOR SELECTED CAUSES, BY COLOR: UNITED STATES, 1977

[Maternal deaths are those assigned to Complications of pregnancy, childbirth, and the puerperium, category numbers 630-678 of the Eighth Revision International Classification of Diseases, Adapted, 1965. Rates per 100,000 live births in specified group]

Cause of death	Number of deaths			Mortality rate		
	Total	White	All other	Total	White	All other
Complications of pregnancy, childbirth, and the puerperium.....630-678	373	208	165	11.2	7.7	26.0
Ectopic pregnancy.....631	44	15	29	1.3	0.6	4.6
Toxemias of pregnancy and the puerperium, except abortion with toxemia.....636-639	55	33	22	1.7	1.2	3.5
Hemorrhage of pregnancy and childbirth.....632,651-653	56	35	21	1.7	1.3	3.3
Abortions.....640-645	20	8	12	0.6	0.3	1.9
Abortions induced for legal indications.....640,641	6	3	3	0.2	0.1	0.5
Abortions induced for other reasons.....642	3	-	3	0.1	-	0.5
Spontaneous abortion.....643	4	1	3	0.1	0.0	0.5
Other and unspecified abortions.....644,645	7	4	3	0.2	0.1	0.5
Sepsis of childbirth and the puerperium.....670,671,673	70	44	26	2.1	1.6	4.1
All other complications of pregnancy, childbirth, and the puerperium.....630,633-635,654-662,672,674-678	128	73	55	3.8	2.7	8.7
Delivery without mention of complications.....650	-	-	-	-	-	-

Table 13. NUMBER OF AUTOPSIES AND PERCENT OF DEATHS FOR WHICH AUTOPSIES WERE REPORTED FOR 15 LEADING CAUSES OF DEATH: UNITED STATES, 1977-Con.

[Numbers after causes of death are category numbers of the Eighth Revision International Classification of Diseases, Adapted, 1965]

Rank order	Cause of death	Total deaths	Reported autopsies	
			Number	Percent
	All causes.....	1,899,597	309,259	16.3
1	Diseases of heart.....390-398,402,404,410-429	718,850	74,052	10.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	386,686	43,662	11.3
3	Cerebrovascular diseases.....430-438	181,934	12,064	6.6
4	Accidents.....E800-E949	103,202	43,101	41.8
...	Motor vehicle accidents.....E810-E823	49,510	20,896	42.2
...	All other accidents.....E800-E807,E825-E949	53,692	22,205	41.4
5	Influenza and pneumonia.....470-474,480-486	51,193	9,977	19.5
6	Diabetes mellitus.....250	32,989	2,636	8.0
7	Cirrhosis of liver.....571	30,848	9,538	30.9
8	Arteriosclerosis.....440	28,754	1,239	4.3
9	Suicide.....E950-E959	28,681	12,578	43.9
10	Certain causes of mortality in early infancy.....760-769,2,769,4-772,774-778	23,401	7,958	34.0
11	Bronchitis, emphysema, and asthma.....490-493	22,363	3,319	14.8
12	Homicide.....E960-E978	19,568	18,227	91.3
13	Congenital anomalies.....740-759	12,983	6,420	49.4
14	Nephritis and nephrosis.....580-584	8,519	1,214	14.3
15	Septicemia.....038	7,112	1,877	26.4
...	All other causes.....Residual	242,114	61,397	25.4

Table 14. AVERAGE NUMBER OF DEATHS PER DAY FOR DAYS OF WEEK, FOR SELECTED CAUSES: UNITED STATES, 1977

[Deaths include those to nonresidents of the United States]

Day of week	All causes	Motor vehicle accidents (E810-E823)	Suicide (E950-E959)	Homicide (E960-E978)
All days ¹	5,211	136	79	55
Sunday ²	5,187	161	74	65
Monday ²	5,230	112	86	49
Tuesday ²	5,187	107	83	47
Wednesday ²	5,149	111	79	44
Thursday ²	5,158	119	77	47
Friday ²	5,220	151	76	55
Saturday ²	5,342	191	75	76

¹Number of deaths in 1976 from selected cause or causes divided by 365.

²Number of deaths on specified day of week in 1976 from selected cause or causes divided by number of times specified day of week occurred in 1976.

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Table 15. TOTAL, INFANT, AND NEONATAL DEATHS AND RATES, FOR THE UNITED STATES, EACH REGION, DIVISION, AND STATE; AND BY COLOR AND SEX FOR THE UNITED STATES: 1977

[By place of residence. Refers only to resident deaths occurring within the United States]

Color, sex, and area	Total deaths		Infant deaths (under 1 year)		Neonatal deaths (under 28 days)	
	Number	Rate ¹	Number	Rate ²	Number	Rate ²
United States.....	1,899,597	8.8	46,975	14.1	32,860	9.9
Male.....	1,046,243	9.9	26,875	15.8	18,766	11.0
Female.....	853,354	7.7	20,100	12.4	14,094	8.7
White.....	1,664,100	8.9	33,199	12.3	23,540	8.7
Male.....	912,670	10.0	19,229	13.9	13,601	9.8
Female.....	751,430	7.8	13,970	10.7	9,939	7.6
All other.....	235,497	8.1	13,776	21.7	9,320	14.7
Male.....	139,573	9.7	7,646	23.7	5,165	16.0
Female.....	101,924	6.7	6,130	19.6	4,155	13.3
Regions:						
Northeast.....	461,870	9.4	8,761	13.7	6,492	10.2
North Central.....	516,264	8.9	12,454	13.9	8,884	9.9
South.....	622,297	8.9	17,669	15.7	12,250	10.9
West.....	299,166	7.6	8,091	12.2	5,234	7.9
NORTHEAST						
New England.....	108,067	8.8	1,793	11.8	1,341	8.9
Maine.....	10,069	9.3	154	9.5	100	6.2
New Hampshire.....	7,268	8.6	123	10.2	96	7.9
Vermont.....	4,210	8.7	70	10.0	48	6.8
Massachusetts.....	51,814	9.0	811	11.9	622	9.2
Rhode Island.....	9,068	9.7	141	12.1	96	8.3
Connecticut.....	25,638	8.2	494	13.5	379	10.3
Middle Atlantic.....	353,803	9.6	6,968	14.3	5,151	10.6
New York.....	168,739	9.4	3,466	14.4	2,514	10.5
New Jersey.....	65,831	9.0	1,345	14.3	1,007	10.7
Pennsylvania.....	119,233	10.1	2,157	14.0	1,630	10.6
NORTH CENTRAL						
East North Central.....	361,122	8.8	9,021	14.3	6,345	10.0
Ohio.....	97,045	9.1	2,245	13.9	1,632	10.1
Indiana.....	47,109	8.8	1,211	14.2	827	9.7
Illinois.....	103,423	9.2	2,834	16.0	1,996	11.3
Michigan.....	74,198	8.1	1,954	14.1	1,376	9.9
Wisconsin.....	39,347	8.5	777	11.3	514	7.5
West North Central.....	155,142	9.2	3,433	13.0	2,539	9.6
Minnesota.....	32,303	8.1	667	11.1	476	7.9
Iowa.....	26,770	9.3	558	12.4	431	9.6
Missouri.....	48,880	10.2	1,040	14.2	743	10.2
North Dakota.....	5,201	8.0	156	13.7	120	10.5
South Dakota.....	6,295	9.1	197	16.4	149	12.4
Nebraska.....	14,331	9.2	319	12.7	234	9.3
Kansas.....	21,362	9.2	496	13.4	386	10.4
SOUTH						
South Atlantic.....	308,785	9.0	8,038	15.8	5,580	11.0
Delaware.....	4,738	8.1	117	13.6	81	9.4
Maryland.....	32,225	7.8	798	14.3	597	10.7
District of Columbia.....	7,186	10.4	275	27.4	206	20.5
Virginia.....	39,939	7.8	1,181	15.9	844	11.4
West Virginia.....	19,330	10.4	439	14.6	309	10.3
North Carolina.....	46,623	8.4	1,335	15.8	944	11.2
South Carolina.....	24,293	8.4	878	17.6	609	12.2
Georgia.....	42,691	8.5	1,300	15.4	810	9.6
Florida.....	91,760	10.9	1,715	15.5	1,180	10.8
East South Central.....	130,479	9.4	3,746	16.1	2,577	11.1
Kentucky.....	33,493	9.7	843	14.4	578	9.9
Tennessee.....	39,145	9.1	1,026	15.4	722	10.8
Alabama.....	34,827	9.4	1,049	16.9	689	11.1
Mississippi.....	23,014	9.6	828	18.2	588	12.9
West South Central.....	183,033	8.4	5,885	15.3	4,093	10.6
Arkansas.....	21,364	10.0	550	15.4	350	9.8
Louisiana.....	34,693	8.8	1,345	17.9	979	13.1
Oklahoma.....	26,791	9.5	621	13.7	405	8.9
Texas.....	100,185	7.8	3,369	14.7	2,359	10.3
WEST						
Mountain.....	72,404	7.2	2,436	12.4	1,569	8.0
Montana.....	6,403	8.4	183	13.7	119	8.9
Idaho.....	6,462	7.5	214	11.3	127	6.7
Wyoming.....	3,048	7.5	115	13.9	69	8.3
Colorado.....	17,897	6.8	518	12.0	319	7.4
New Mexico.....	8,073	6.8	319	13.8	221	9.6
Arizona.....	18,028	7.9	563	13.5	366	8.7
Utah.....	7,617	6.0	382	10.1	257	6.8
Nevada.....	4,876	7.7	142	13.9	91	8.9
Pacific.....	226,762	7.8	5,655	12.1	3,665	7.8
Washington.....	29,831	8.2	692	12.1	425	7.4
Oregon.....	20,481	8.6	456	12.2	295	7.9
California.....	170,399	7.8	4,186	12.0	2,743	7.9
Alaska.....	1,615	4.0	127	15.1	71	8.5
Hawaii.....	4,436	5.0	194	11.5	131	7.7

¹Per 1,000 population in specified group.²Per 1,000 live births

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