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# VITAL STATISTICS REPORT

## Advance Report

### Final Mortality Statistics, 1978

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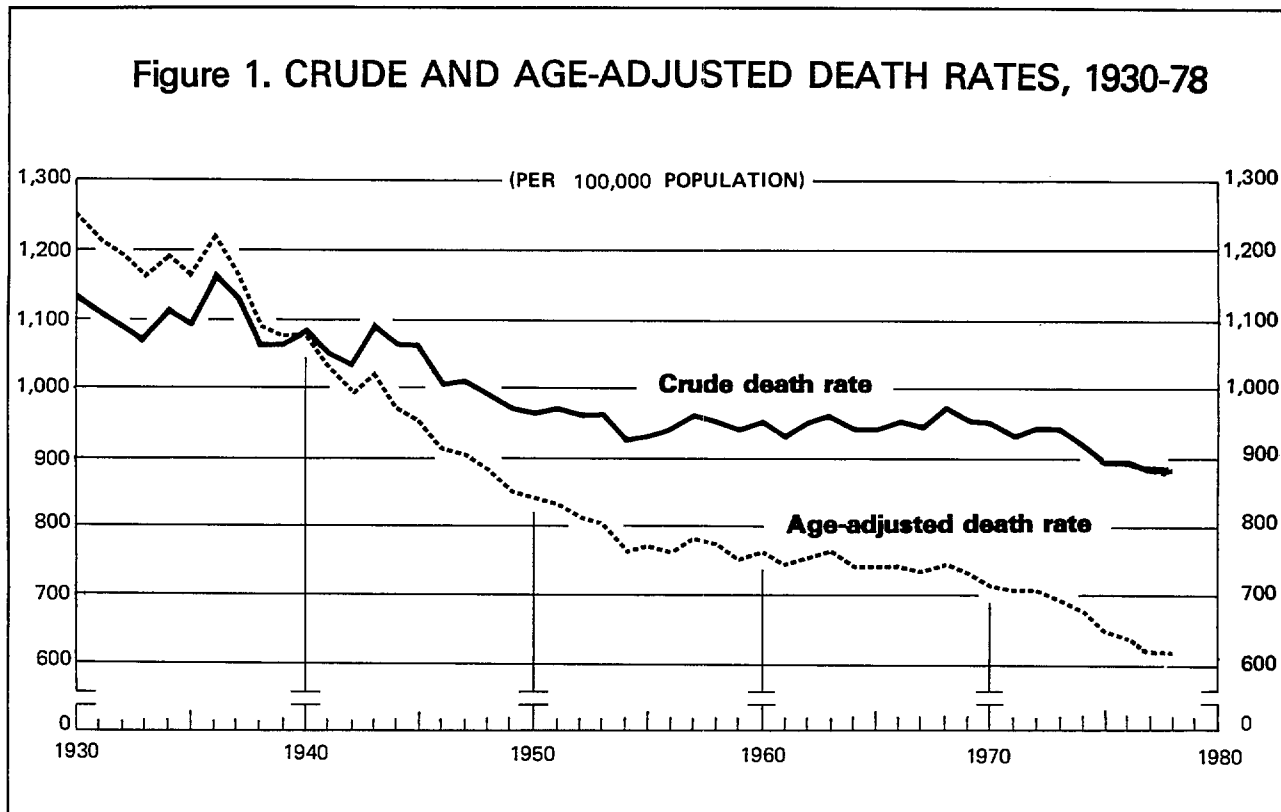
#### Deaths and Death Rates

In 1978 there were 1,927,788 resident deaths recorded in the United States, 28,191 more than in 1977. On the basis of final mortality data, the death rate edged up slightly in 1978—883.4 deaths per 100,000 population compared with 878.1 recorded in 1977. Provisional data indicate that the number of deaths in 1979 was about 1,906,000, yielding an estimated death rate of 866.2 deaths per 100,000 population.

The age-adjusted death rate declined from 612.3 in 1977 to 606.1 in 1978, 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 1978 life expectancy reached a record high of 73.3 years, and infant mortality attained

Figure 1. CRUDE AND AGE-ADJUSTED DEATH RATES, 1930-78



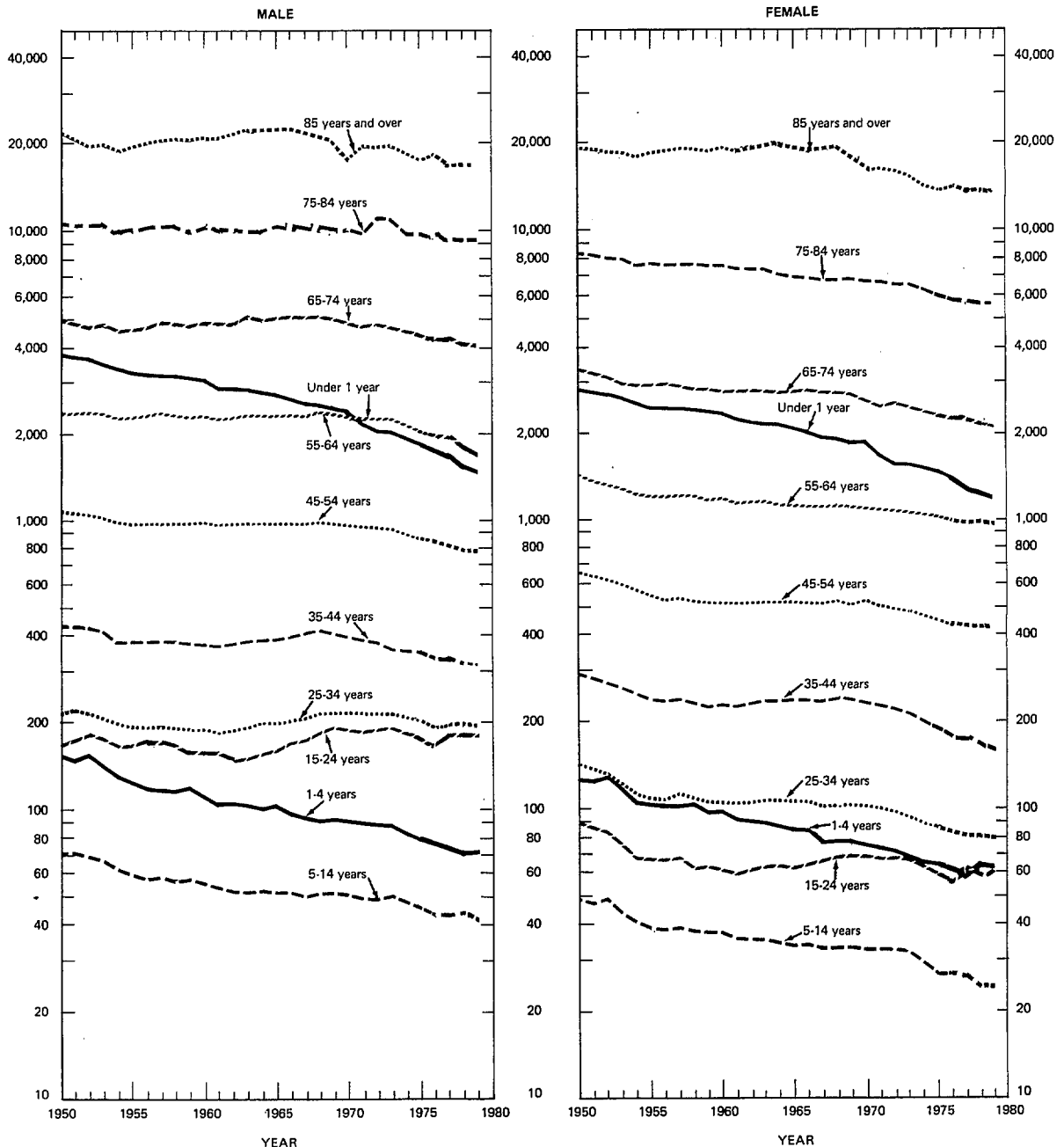
a new low of 13.8 deaths under 1 year of age per 1,000 live births.

**Death Rates by Age, Color, and Sex**

Death rates for every age group of both sexes have declined since 1950 except for males aged

15-24 years (figure 2). Between 1977 and 1978 this general pattern of reductions in most age groups has been sustained except for males aged 1-4 years and for females aged 5-9 years. In addition, the age groups 15-24 and 75-84 years showed increases for both males and females. The following table shows percent change in

**Figure 2. DEATH RATES PER 100,000 POPULATION, BY AGE AND SEX: UNITED STATES, 1950-78**



death rates between 1977 and 1978 for specified age groups:

Age	Percent change		
	Total	Male	Female
All ages .....	+0.6	+0.0	+1.3
Under 1 year .....	-3.4	-4.1	-2.6
1-4 years .....	+0.6	+2.2	-1.5
5-9 years .....	-1.8	-4.2	+2.6
10-14 years .....	-2.3	-1.6	-3.5
15-24 years .....	+0.3	+0.4	+0.3
25-44 years .....	-2.2	-1.7	-5.7
45-64 years .....	-1.0	-1.3	-0.6
65-74 years .....	-0.9	-1.1	-0.7
75-84 years .....	+0.1	+0.0	+0.3
85 years and over .....	-0.2	-0.2	-0.0

Between 1977 and 1978 the age-adjusted death rate for males decreased 1.1 percent, from 811.9 to 802.8 deaths per 100,000 population, while that for females decreased 0.8 percent, from 450.6 to 447.0 deaths per 100,000 population. These were record low levels. In 1978, as in 1977, the age-adjusted death rate for males was

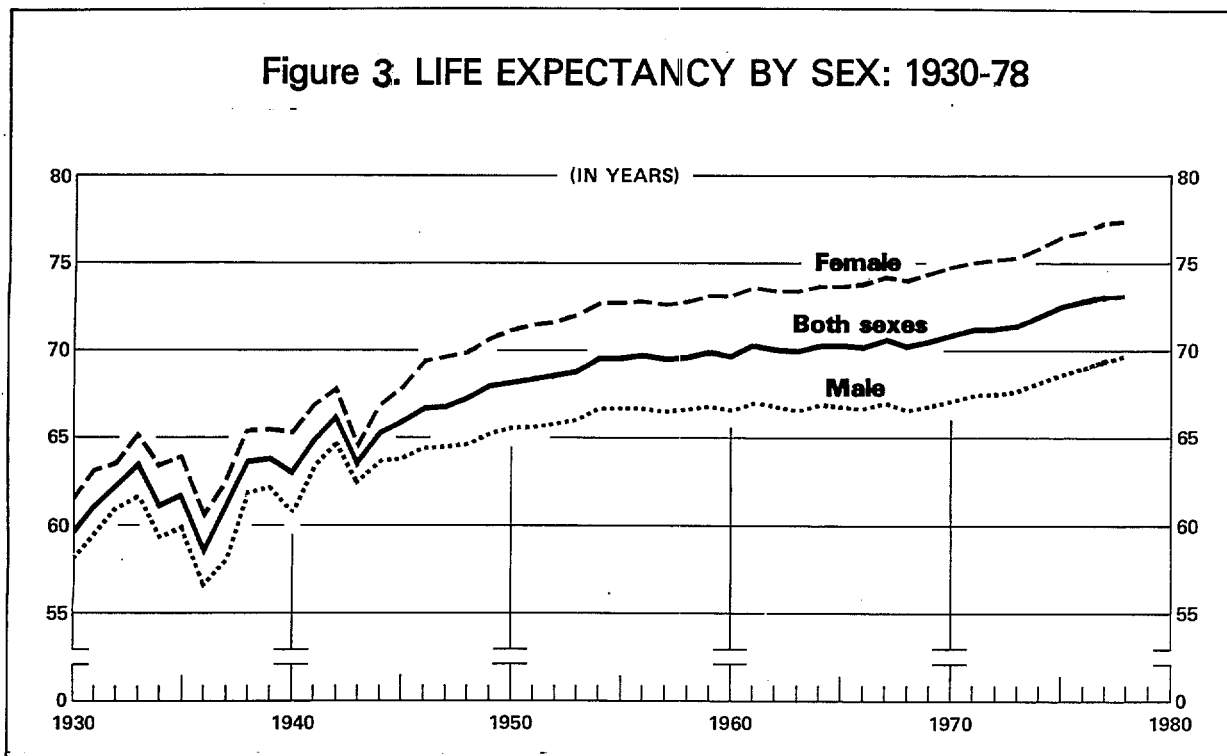
1.80 times that for females. For the white population the age-adjusted death rate decreased 0.9 percent, from 585.4 to 580.2 deaths per 100,000 population, while that for the population of all other races decreased 2.0 percent, from 814.0 to 797.6 deaths per 100,000 population. Nevertheless, in 1978 the age-adjusted death rate for persons of races other than white was 1.4 times that for the white population, nearly equal to the ratio in the previous year.

**Expectation of Life at Birth and at Specified Ages**

The expectation of life at birth attained a record high of 73.3 years in 1978 for the total population, up 0.1 year from 1977. This continues the general upward trend in this measure over the past several decades (figure 3).

The expectation of life at birth for 1978 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 1978. Although both males and females showed gains in life expectancy, increases were smaller in 1978 than in 1977, and the difference

**Figure 3. LIFE EXPECTANCY BY SEX: 1930-78**



in life expectancy between the sexes narrowed over last year. Life expectancy for females was 7.7 years greater than that for males in 1978 compared with a difference of 7.8 years in 1977 and 7.5 years in 1968.

Recent gains in life expectancy have been greater for races other than white than for the white population. Because of this, 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 1978 the difference had been reduced to 4.8 years.

A person who has attained the age of 65 years may look forward to living to an older age on the average than one who has attained the age of 50 years. Thus a person aged 50 years in 1978 may expect to live an additional 27.6 years, resulting in a life expectancy of 77.6 years; and a person aged 65 years may expect to live an additional 16.3 years, with a life expectancy of 81.3 years. In 1950 a person aged 50 years could expect to live to age 74.5 years, and a person aged 65 years could expect to live to age 78.9 years. Since 1950, there has been an increase of 3.1 years in the average number of years of life remaining at age 50 years and an increase of 2.4 years at age 65 years.

### Cause of Death

The rank of the 15 leading causes of death remained unchanged between 1977 and 1978 (table A).

Age-adjusted death rates per 100,000 population are shown for 13 of the 15 leading causes in 1978 (table B). For the other two leading causes of death (Congenital anomalies and Certain causes of mortality in early infancy), which occur almost entirely at ages under 1 year, the risk of dying is measured by the number of deaths at ages under 1 year per 100,000 live births. For these causes the changes in mortality between 1977 and 1978 are shown in the Infant Mortality section.

Age-adjusted death rates for 5 of the 13 causes were lower in 1978 than they were in both 1968 and 1977. These causes were Diseases of heart; Cerebrovascular diseases; Cirrhosis of liver; Arteriosclerosis; 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. When these changes in medical classification are taken into account, the age-adjusted death rate increased from 1969 to 1978 and between 1977 and 1978, as discussed below. The age-adjusted death rate for Diabetes mellitus showed no change between 1977 and 1978, but its rate in 1978 was lower than the rate in 1968 by 28.8 percent.

The largest recorded decrease was in the rate for deaths due to Suicide, which in 1978 was 7.0 percent below that for 1977. The trend for Suicide since 1968, however, has been generally upward. The rate in 1978 was 10.1 percent above that for 1968. Although the rate for Homicide was unchanged from 1977, the 1978 rate was higher by 15.7 percent than that in 1968.

Table A. DEATH RATES FOR THE 15 LEADING CAUSES OF DEATH: UNITED STATES, 1978

Rank <sup>1</sup>	Cause of death	Death rate (per 100,000 population)	Percent of total deaths
...	All causes .....	883.4	100.0
1	Diseases of heart .....	334.3	37.8
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues .....	181.9	20.6
3	Cerebrovascular diseases .....	80.5	9.1
4	Accidents .....	48.4	5.5
...	Motor vehicle accidents .....	24.0	...
...	All other accidents .....	24.4	...
5	Influenza and pneumonia .....	26.7	3.0
6	Diabetes mellitus .....	15.5	1.8
7	Cirrhosis of liver .....	13.8	1.6
8	Arteriosclerosis .....	13.3	1.5
9	Suicide .....	12.5	1.4
10	Certain causes of mortality in early infancy .....	10.1	1.1
11	Bronchitis, emphysema, and asthma .....	10.0	1.1
12	Homicide .....	9.4	1.1
13	Congenital anomalies .....	5.9	0.7
14	Nephritis and nephrosis .....	4.1	0.5
15	Septicemia .....	3.6	0.4
...	All other causes .....	113.5	12.8

<sup>1</sup> Rank based on number of deaths. See Explanatory Notes.

Table B. AGE-ADJUSTED DEATH RATES FOR THE 15 LEADING CAUSES OF DEATH IN 1978; AND PERCENT CHANGE FROM 1977 TO 1978 AND 1968 TO 1978: UNITED STATES

Rank <sup>1</sup>	Cause of death	Age-adjusted death rate (per 100,000 population)	Percent change from	
			1977 to 1978	1968 to 1978
...	All causes .....	606.1	-1.0	-18.5
1	Diseases of heart.....	207.6	-1.3	-22.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues .....	133.8	+0.6	+3.6
3	Cerebrovascular diseases.....	45.3	-6.0	-36.5
4	Accidents.....	44.3	+1.1	-19.5
...	Motor vehicle accidents.....	23.4	+4.5	-17.6
...	All other accidents .....	20.9	-2.3	-21.7
5	Influenza and pneumonia.....	15.4	+8.5	-42.8
6	Diabetes mellitus .....	10.4	-	-28.8
7	Cirrhosis of liver.....	12.5	-4.6	-10.1
8	Arteriosclerosis.....	6.0	-3.2	-37.5
9	Suicide.....	12.0	-7.0	+10.1
10	Certain causes of mortality in early infancy.....	(2)	(2)	(2)
11	Bronchitis, emphysema, and asthma.....	6.8	-5.6	-46.9
12	Homicide.....	9.6	-	+15.7
13	Congenital anomalies.....	(2)	(2)	(2)
14	Nephritis and nephrosis .....	2.8	+3.7	-28.2
15	Septicemia.....	2.6	+8.3	+116.7

<sup>1</sup>Rank based on number of deaths. See Explanatory Notes.

<sup>2</sup>Inasmuch 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.

The largest recorded increase in age-adjusted death rates for the leading causes was in the rate for Influenza and pneumonia, which in 1978 was 8.5 percent above that for 1977. This high rate for 1978 is due in part to the effects of an influenza epidemic in 1978.<sup>1</sup> However, compared with 1968, which was characterized by a major outbreak of Influenza, the rate for Influenza and pneumonia in 1978 decreased 42.8 percent. Other leading causes which showed a higher age-adjusted death rate in 1978 than in 1977 but a lower rate when compared with 1968 include Nephritis and nephrosis and Accidents. Higher age-adjusted death rates were recorded for 2 of the 13 causes in 1978 than in both 1968 and 1977. These causes were Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues and Septicemia.

*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 1978. There were 729,510 deaths assigned to this cause in 1978, an increase of 10,660 deaths between 1977 and 1978. The unadjusted death rate for Diseases of heart (334.3 deaths per 100,000 population) for 1978 was higher than that for 1977 (332.3 deaths per 100,000 population). The age-adjusted rate decreased 1.3 percent in 1978. Between 1968 and 1978 the age-adjusted rate decreased 22.7 percent.

Between 1977 and 1978 death rates for Diseases of heart increased for all age groups under 25 years and decreased for all age groups 25 years and over.

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 1978 than in the previous 2 years. For 1978 the age-adjusted rate for males was over twice the rate for females, and that for all other races was 15 percent higher than that for the white population, as shown in table C.

Deaths from Ischemic heart disease constituted 88.0 percent of all deaths in 1978 assigned

<sup>1</sup>Center for Disease Control: Reported morbidity and mortality in the United States, 1978. *Morbidity and Mortality Weekly Report*, Annual Summary, Vol. 27, No. 54. DHEW Pub. No. (CDC) 79-8241. Atlanta, Ga., Sept. 1979.

Table C. RATIO OF AGE-ADJUSTED DEATH RATES FOR THE 15 LEADING CAUSES OF DEATH, BY SEX AND COLOR: UNITED STATES, 1978

Rank <sup>1</sup>	Cause of death	Ratio of—	
		Male to female	Races other than white to white
...	All causes .....	1.80	1.37
1	Diseases of heart. ....	2.04	1.15
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. ....	1.50	1.22
3	Cerebrovascular diseases. ....	1.19	1.63
4	Accidents. ....	2.85	1.21
...	Motor vehicle accidents. ....	2.85	0.94
...	All other accidents. ....	2.85	1.54
5	Influenza and pneumonia. ....	1.83	1.50
6	Diabetes mellitus. ....	1.02	2.02
7	Cirrhosis of liver. ....	2.17	1.86
8	Arteriosclerosis. ....	1.28	0.93
9	Suicide. ....	2.98	0.58
10	Certain causes of mortality in early infancy <sup>2</sup> . ....	1.29	1.92
11	Bronchitis, emphysema, and asthma. ....	2.92	0.73
12	Homicide. ....	3.64	5.57
13	Congenital anomalies <sup>2</sup> . ....	1.10	0.95
14	Nephritis and nephrosis. ....	1.59	3.59
15	Septicemia. ....	1.48	2.55

<sup>1</sup>Rank based on number of deaths. See Explanatory Notes.

<sup>2</sup>Inasmuch as deaths from these causes occur almost entirely among infants, ratios are based on 1978 infant mortality rates instead of rates adjusted to the total population of the United States in 1940.

to Diseases of heart. The age-adjusted rate for Ischemic heart disease in 1978 decreased 2.2 percent from the rate in 1977 and was 25.1 percent below the rate in 1968.

*Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.*—In 1978 there were 396,992 deaths from this second leading cause of death, 10,306 more than in 1977. Approximately 2 out of 10 deaths in 1978 were due to Malignant neoplasms. Between 1977 and 1978 the death rate for this cause increased from 178.7 to 181.9 deaths per 100,000 population. The age-adjusted rate for Malignant neoplasms increased 0.6 percent between 1977 and 1978 and 3.6 percent between 1968 and 1978. Death rates for this cause generally decreased between 1968 and 1978 for age groups under 45 years, while they increased for age groups 45 years and over. The exception was an increase between 1977 and 1978 in the death rate at ages under 1 year.

Between 1977 and 1978 the age-adjusted death rate for Malignant neoplasms increased for each of the four color-sex groups except females of races other than white, who experienced a decrease of 0.5 percent. Increases of under 1 percent were experienced by each of the other three color-sex groups. For 1978 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 death rate was lower for 1978 than it was for 1977 for the following five of the nine major components into which Malignant neoplasms may be classified: Malignant neoplasms of buccal cavity and pharynx, Malignant neoplasm of breast, Malignant neoplasms of genital organs, Malignant neoplasms of urinary organs, and Leukemia. The rate was higher in 1978 than in 1977 for Malignant neoplasms of respiratory system and Malignant neoplasms of all other and unspecified sites. The age-adjusted death rate remained unchanged between the 2 years for Malignant neoplasms of digestive organs and peritoneum and for Other neoplasms of lymphatic and hematopoietic tissues.

The increase for Malignant neoplasms of respiratory system was relatively large (3.2 percent), continuing the increase which occurred between 1976 and 1977 (2.4 percent). Among the color-sex groups the increase was largest for white females (7.7 percent); increases for the other groups were 1.3 percent for females of other races, 1.8 percent for white males, and 1.1 percent for males of other races. The 1978 age-adjusted rate for Malignant neoplasms of respiratory system for all females (16.7 per 100,000 population) was still well below that for all males (59.0 per 100,000 population).

Age-adjusted rates for Malignant neoplasms of respiratory system conceal opposing trends among the age groups. Since 1968, age-specific death rates have increased for ages 45 years and older and decreased for ages younger than 45 years. Similarly, for Malignant neoplasm of breast, age-specific death rates for ages 55 years and older were higher than the corresponding rates in 1968 and lower for ages younger than 55 years. Between 1977 and 1978 age-specific rates for Malignant neoplasm of breast decreased for every age group, including the older age groups.

*Cerebrovascular diseases.*—In 1978 there were 175,629 deaths for Cerebrovascular diseases, the third leading cause of death in the United States. The unadjusted death rate for 1978 was 80.5 deaths per 100,000 population compared with the 1977 rate of 84.1 deaths per 100,000 population. The age-adjusted rate decreased 6.0 percent from 1977 to 1978. From 1968 to 1978 the age-adjusted rate decreased by 36.5 percent.

Death rates for Cerebrovascular diseases decreased or remained the same for most ages from 1968 to 1978 and also from 1977 to 1978.

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 1978 the age-adjusted death rate for all other races was 63 percent above the rate for the white population, while the rate for males was 19 percent above that for females.

*Accidents.*—The number of deaths attributed to Accidents in 1978 was 105,561, an increase of 2,359 deaths from 1977. The number of deaths from Motor vehicle accidents increased from 49,510 in 1977 to 52,411 in 1978, while the number of deaths due to All other accidents decreased from 53,692 to 53,150. The unadjusted death rate for Accidents increased from 47.7 deaths per 100,000 population in 1977 to 48.4 deaths per 100,000 population in 1978.

The age-adjusted death rate for Accidents increased 1.1 percent between 1977 and 1978 but decreased by 19.5 percent between 1968 and 1978. The increase between 1977 and 1978 was the result of a 4.5-percent increase in the rate for Motor vehicle accidents, from 22.4 to 23.4 deaths per 100,000 population. The rate for All other accidents decreased 2.3 percent, from 21.4 to 20.9 deaths per 100,000 population.

The increase in the age-adjusted rate for Motor vehicle accidents of 4.5 percent between 1977 and 1978 compares with an increase of 4.2 percent between 1976 and 1977 and an increase of 0.9 percent between 1975 and 1976. A 2.3-percent decrease occurred between 1974 and 1975 and a 17.4-percent decrease occurred 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.

The death rates for Accidents generally decreased at all ages between 1968 and 1978. However, between 1977 and 1978 the death

rates for Accidents decreased for age groups 45 years and older and increased for age groups under 45 years except for those aged 5-14 years. The largest percent increase between 1977 and 1978 among the age groups in death rates for Accidents was 6.2 percent for children under 1 year of age. Motor vehicle accident death rates increased for all age groups under 75 years except for those aged 55-64 years. The largest percent increase between 1977 and 1978 was 9.2 percent for Motor vehicle accidents among those aged 25-34 years.

Among the four color-sex groups the greatest increase in accident mortality between 1977 and 1978 was for white males, for whom the age-adjusted death rate increased 2.1 percent, from 63.2 to 64.5 deaths per 100,000 population. For all other males, the group with the highest risk of death from this cause, the age-adjusted death rate in 1978 was 83.1 deaths per 100,000; for white females the rate was 22.9 per 100,000; and for all other females the rate was 26.1 per 100,000. In 1978 the age-adjusted death rate for males was 2.9 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 1978 there were 58,319 deaths from Influenza and pneumonia, the fifth leading cause of death, compared with 51,193 deaths in the previous year. The increase of 7,126 deaths between 1977 and 1978 reflects the effects of an influenza epidemic in 1978. Between 1977 and 1978 the death rate increased from 23.7 to 26.7 deaths per 100,000 population. The age-adjusted death rate increased from 14.2 to 15.4 deaths per 100,000 population between 1977 and 1978, an increase of 8.5 percent.

Eight outbreaks of Influenza occurred between 1968 and 1978. The age-adjusted rates for Influenza in these epidemic years ranged from 1.0 to 2.5 deaths per 100,000 population. The rate in 1978 from this cause was 1.0 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 part of the reduction in death rates between 1968 and 1978 for a number of chronic diseases may have been associated with the

relatively high death rates for 1968, resulting from the 1968 influenza epidemic.

*Diabetes mellitus.*—In 1978, 33,841 persons died from Diabetes mellitus. The unadjusted death rate of 15.5 deaths per 100,000 persons in 1978 was 2.0 percent higher than the rate of 15.2 deaths per 100,000 population in 1977. The age-adjusted rate was unchanged at 10.4 deaths per 100,000 population between 1977 and 1978 and down 28.8 percent from 1968.

Females of races other than white are at highest risk of death from Diabetes mellitus. However, their age-adjusted death rate decreased 4.5 percent, from 22.0 in 1977 to 21.0 deaths per 100,000 population in 1978. The 1978 age-adjusted death rate was 16.3 for all other males, 9.1 for white females, and 9.8 for white males. In 1978 the age-adjusted death rate for males was 2 percent above that for females, and the age-adjusted death rate for races other than white was over twice that for the white population.

*Cirrhosis of liver.*—This disease, to which 30,066 deaths were attributed for 1978, ranks as the seventh leading cause of death. The unadjusted death rate decreased between 1977 and 1978, from 14.3 to 13.8 deaths per 100,000 population. The age-adjusted rate decreased from 13.9 in 1968. It decreased from 13.1 deaths per 100,000 population in 1977 to 12.5 deaths per 100,000 population in 1978. For *Cirrhosis of liver*, death rates by age generally decreased between 1968 and 1978 except those for age groups 65-74 and 75-84 years, which increased between 1968 and 1978.

The age-adjusted death rate decreased for each of the color-sex groups between 1977 and 1978. 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 almost twice that for the white population.

*Arteriosclerosis.*—In 1978 there were 28,940 deaths from Arteriosclerosis. The unadjusted death rate for this cause was 13.3 per 100,000 population in 1978, unchanged from the 1977 rate. The age-adjusted death rate for Arteriosclerosis, however, decreased between 1977 and 1978, from 6.2 to 6.0 deaths per 100,000 population. There were 186 more deaths due to Arteriosclerosis in 1978 than in 1977. However, age-specific death rates were lower in 1978 for

every age group, resulting in the reduction in the age-adjusted death rate.

For all four color-sex groups the age-adjusted rate decreased between 1977 and 1978. The age-adjusted death rate for males was 1.3 times that for females in 1978, while the rate for all other races was 7 percent below that for the white population.

*Suicide.*—This was the ninth leading cause of death in 1978 with 27,294 deaths, a decrease of 1,387 deaths between 1977 and 1978. The unadjusted death rate for Suicide in 1978 was 12.5 deaths per 100,000 population, down from the rate of 13.3 in the previous year, which was the highest since 1940 (14.4 per 100,000 population). The age-adjusted rate for Suicide decreased 7.0 percent between 1977 and 1978, from 12.9 to 12.0 deaths per 100,000 population. Despite this recent reduction, the 1978 age-adjusted rate for Suicide was still 10.1 percent higher than the corresponding 1968 rate (10.9 per 100,000 population).

The decline between 1977 and 1978 in death rates for Suicide was reflected in a decline for every 10-year age group through age 74 years. Age-specific death rates were generally increasing for age groups younger than 45 years between 1968 and 1977 and were declining for age groups 45-54 years and over during that period. In 1978 death rates for Suicide among those younger than 35 years of age were higher than in 1968, whereas rates among those aged 35-44 years and older were lower in 1978 than in 1968 except for those aged 75-84 years.

For each color-sex group the age-adjusted death rate decreased between 1977 and 1978 by 6.8 percent for white males, by 8.3 percent for white females, by 3.2 percent for all other males, and by 13.5 percent for all other females. In 1978 the age-adjusted rate for males (18.5 per 100,000) was almost 3 times the rate for females (6.2 per 100,000), and the rate for all other races (7.4 per 100,000) was 42 percent below the rate for the white population (12.7 per 100,000).

*Bronchitis, emphysema, and asthma.*—In 1978, 21,875 deaths were recorded for Bronchitis, emphysema, and asthma, the 11th leading cause of death. The decrease between 1977 and 1978 in the unadjusted death rate (10.3 to 10.0 deaths per 100,000 population) for Bronchitis,



emphysema, and asthma (ICDA Nos. 490-493) is misleading, as is the decrease of 5.6 percent in the age-adjusted death rate from 7.2 to 6.8 per 100,000. The actual change in mortality from these causes between 1977 and 1978 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 was assigned to the category "Other diseases of lung" (ICDA No. 519.2) in 1968. 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. In 1978, 28,613 deaths were assigned to this category.

When deaths for these complementary categories of respiratory disease (ICDA Nos. 490-493 and \*519.3) are combined for 1978, they account for a total of 50,488, or 2.6 percent of all deaths in that year. The following table shows age-adjusted death rates for each year of the period 1969-78 for these complementary categories and for their combinations. For the combination category the age-adjusted rate increased by 20.2 percent between 1969 and 1978.

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			
1978 .....	6.8	8.6	15.5
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 20,432 deaths assigned to Homicide in 1978, an increase of 464 deaths between 1977 and 1978. In 1978 the unadjusted death rate of 9.4 deaths per 100,000

population increased slightly from the rate of 9.2 per 100,000 in 1977. Although the age-adjusted death rate was unchanged between 1977 and 1978, 9.6 deaths per 100,000 population, it was 15.7 percent higher in 1978 than in 1968.

Between 1977 and 1978 homicide rates increased for persons aged 5-34 years and 45-54 years. The rates decreased, however, for children under 5 years of age and for persons 35-44 years and 55 years and older. The largest percent increase in the death rate for Homicide was at ages 5-14 years, 8.3 percent between 1977 and 1978 and 85.7 percent between 1968 and 1978. Between 1968 and 1978 large percent increases were also shown for ages 1-4 years (73.3 percent), 15-24 years (30.7 percent), and 75-84 years (38.2 percent). The ages at highest risk of death from Homicide are 15-44 years.

Among the four color-sex groups, only white males showed an increased risk of death from Homicide between 1977 and 1978; their age-adjusted rate rose 4.5 percent. For white females the rate was unchanged; for all other males it decreased 3.3 percent; and for all other females, the rate decreased 3.2 percent.

In 1978 the age-adjusted death rate for males (15.3 per 100,000) was over 3 times that for females (4.2 per 100,000), and the age-adjusted rate for all other races (33.4 per 100,000) was over 5 times that for the white population (6.0 per 100,000). These were the largest color and sex differentials among the leading causes of death in 1978.

**Nephritis and nephrosis.**—In 1978, 8,868 deaths were attributed to Nephritis and nephrosis. The unadjusted death rate increased from 3.9 deaths per 100,000 population in 1977 to 4.1 per 100,000 in 1978, while the age-adjusted death rate increased from 2.7 to 2.8 deaths per 100,000. Between 1968 and 1978 the age-adjusted rate for Nephritis and nephrosis decreased 28.2 percent. Death rates from this cause decreased or remained the same between 1968 and 1978 for all age groups except under 1 year and 75-84 years. For 1978 the age-adjusted rate for males was 1.6 times that for females, and the age-adjusted rate for all other races was 3.6 times that for the white population.

**Septicemia.**—Between 1977 and 1978 the number of deaths from Septicemia, the 15th leading cause of death, increased from 7,112 to

7,800. During this period the unadjusted death rate increased from 3.3 to 3.6 deaths per 100,000 population; and the age-adjusted rate increased by 8.3 percent, from 2.4 to 2.6 per 100,000. Between 1968 and 1978 age-adjusted death rates for Septicemia more than doubled, increasing by 116.7 percent. This percent increase is the largest among the 15 leading causes of death.

Age-specific death rates for this cause are characterized by a U-shaped pattern, with the highest rates occurring among infants under 1 year of age (34.1 deaths per 100,000 population) and among persons 75-84 years (28.1 per 100,000 population) and 85 years and over (54.5 per 100,000 population). The greatest increases in mortality from this cause since 1968 have been at the extremes of the age distribution. Death rates for infants under 1 year of age increased by 43.3 percent over the rate of 23.8 per 100,000 population in 1968. The death rates in 1968 for persons aged 75-84 years (8.4 deaths per 100,000 population) and 85 years and older (17.0 deaths per 100,000 population) more than tripled during this period. Age-specific death rates for ages 1-34 years remained relatively low and constant throughout the period.

Age-adjusted death rates for the four color-sex groups increased between 1977 and 1978. In 1978 the age-adjusted rate for males was 1.5 times that for females, and the age-adjusted rate for all other races was 2.6 times that for the white population.

### Report of Autopsy

For 1978 all States requested information on the death certificate as to whether autopsies were performed. Autopsies were reported as performed for 303,134, or 15.7 percent, of the 1,927,788 deaths occurring during the year. This percentage was heavily influenced by the low proportion of autopsies reported for the three leading causes of death—Diseases of heart, Malignant neoplasms, and Cerebrovascular diseases. Altogether, these diseases accounted for slightly more than two of every three deaths in 1978. Autopsies were reported as having been performed for only 9.6 percent of these deaths. In comparison, autopsies were performed for 49.6 percent of deaths due to Homicide, Suicide, and Accidents, which as a group represented only about 8 percent of all deaths.

The year 1978 was the seventh consecutive year for which the report of autopsy has been tabulated since its tabulation had been discontinued after 1958. In 1958 and 1972, for all causes of death combined, the proportion of deaths autopsied was reported to have been the same, 19.1 percent. Between 1972 and 1978 the proportion of autopsied deaths declined without interruption to 15.7 percent. The proportion has steadily increased over the last 20 years for three selected causes—Homicide, Suicide, and Accidents. The percent of Homicide deaths autopsied increased from 60.6 in 1958 to 92.3 percent in 1978; the percent for Suicide, from 21.7 to 44.5 percent; and for Accidents, from 26.8 to 42.6 percent. During this 20-year period the percent of deaths for which autopsies were performed declined for the other 12 leading causes except for Certain causes of mortality in early infancy. Since 1972 the percent autopsied for all causes of death combined has been generally increasing for decedents under 35 years of age and decreasing for those 35 years and older.

In 1978 autopsies were reported as performed for 40 percent or more of the deaths for 4 of the 15 leading causes—Homicide (92.3 percent), Congenital anomalies (48.7 percent), Suicide (44.5 percent), and Accidents (42.6 percent). Autopsies for an additional 3 of the remaining 15 leading causes were reported as performed for at least 20 percent of the deaths—Certain causes of mortality in early infancy (33.3 percent), Cirrhosis of liver (30.0), and Septicemia (23.3 percent).

### Mortality by Month and Day of Death

The average number of deaths per day of week is shown for 1978 for all causes combined and for Motor vehicle accidents, Suicide, and Homicide.

The average number of motor vehicle fatalities on Saturday (205 deaths) is 76.7 percent higher than the average on Monday and Tuesday (116 deaths each), the days of the week with the lowest average number of these fatalities. The average number of Homicides on Saturday (79 deaths) is 68.1 percent higher than the average on Tuesday and Wednesday (47 deaths each), the days 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 70 deaths on Saturday to 83 deaths on Monday.

### Infant Mortality

In 1978 there were 45,945 infant deaths in the United States, that is, deaths to children under 1 year of age. The infant mortality rate of 13.8 infant deaths per 1,000 live births in 1978 was the lowest rate ever recorded for the United States (figure 4). The rate declined 2.1 percent from the level of 14.1 in the previous year. Among white infants the mortality rate (per 1,000 live births) decreased 2.4 percent, from 12.3 in 1977 to 12.0 in 1978. For all other infants this rate decreased 2.8 percent, from 21.7 in 1977 to 21.1 in 1978. The infant mortality rate for all other infants exceeded that of white infants by over 75 percent in 1978 compared with more than 90 percent in 1958.

There were 8,404 infant deaths in 1978 attributed to Congenital anomalies, the leading cause of infant mortality. The infant mortality rate for this cause, 252.1 deaths per 100,000 live births, was down slightly from 253.1 in 1977. The second leading cause of infant death, Immaturity, unqualified, also declined slightly, from 111.6 in 1977 to 110.3 deaths per 100,000 live births in 1978. For the next three leading causes of infant death the rates declined from 1977 to 1978 by 7.5 percent for Respiratory distress syndrome (to 99.7 deaths per 100,000 live births); by 9.8 percent for Asphyxia of newborn, unspecified (to 88.7); and by 11.6 percent for Hyaline membrane disease (to 80.0).

Among the remaining 10 leading causes of infant death the rates decreased from those of the previous year for Influenza and pneumonia by 9.1 percent, from 50.6 to 46.0 deaths per 100,000 live births and for Conditions of placenta by 11.9 percent, from 26.1 to 23.0 per 100,000 live births.

In contrast the risk of infant death increased between 1977 and 1978 for three of the leading causes. Infant deaths due to Birth injury without mention of cause increased by 6.3 percent, from 52.2 to 55.5 deaths under 1 year per 100,000 live births. Deaths due to Accidents increased by 7.4 percent, from 35.3 to 37.9 per 100,000 live births. Infant mortality due to Septicemia in-

creased from 32.7 to 32.8 deaths per 100,000 live births.

With increasing frequency, medical certifiers have attributed deaths among infants to Sudden infant death syndrome, or "SIDS." SIDS, frequently called "crib death" or "cot death," has been defined as the sudden and unexpected death of a previously healthy infant (usually between 1 and 6 months of age), which remains unexplained after careful post mortem studies. SIDS almost always occurs during sleep periods.

To facilitate identification of cases of SIDS, in 1973 The National Center for Health Statistics introduced a special fourth-digit subdivision, \*795.0. Since then, the number of reported deaths attributed to this cause increased from 3,264 in 1973 to 4,963 in 1978. The rate has increased by 43.2 percent, from 104.0 to 148.9 deaths under 1 year per 100,000 live births. The increasing death rate due to this cause of infant death may reflect changes in medical certification practice, that is, increasing reporting of the diagnosis on the death certificate.

If Sudden infant death syndrome were ranked as a leading cause of infant death, in 1978 it would be second to the leading cause, Congenital anomalies.<sup>2</sup> Among postneonatal deaths, that is, deaths to infants aged 28 days through 11 months, SIDS would rank as the leading cause of infant death.

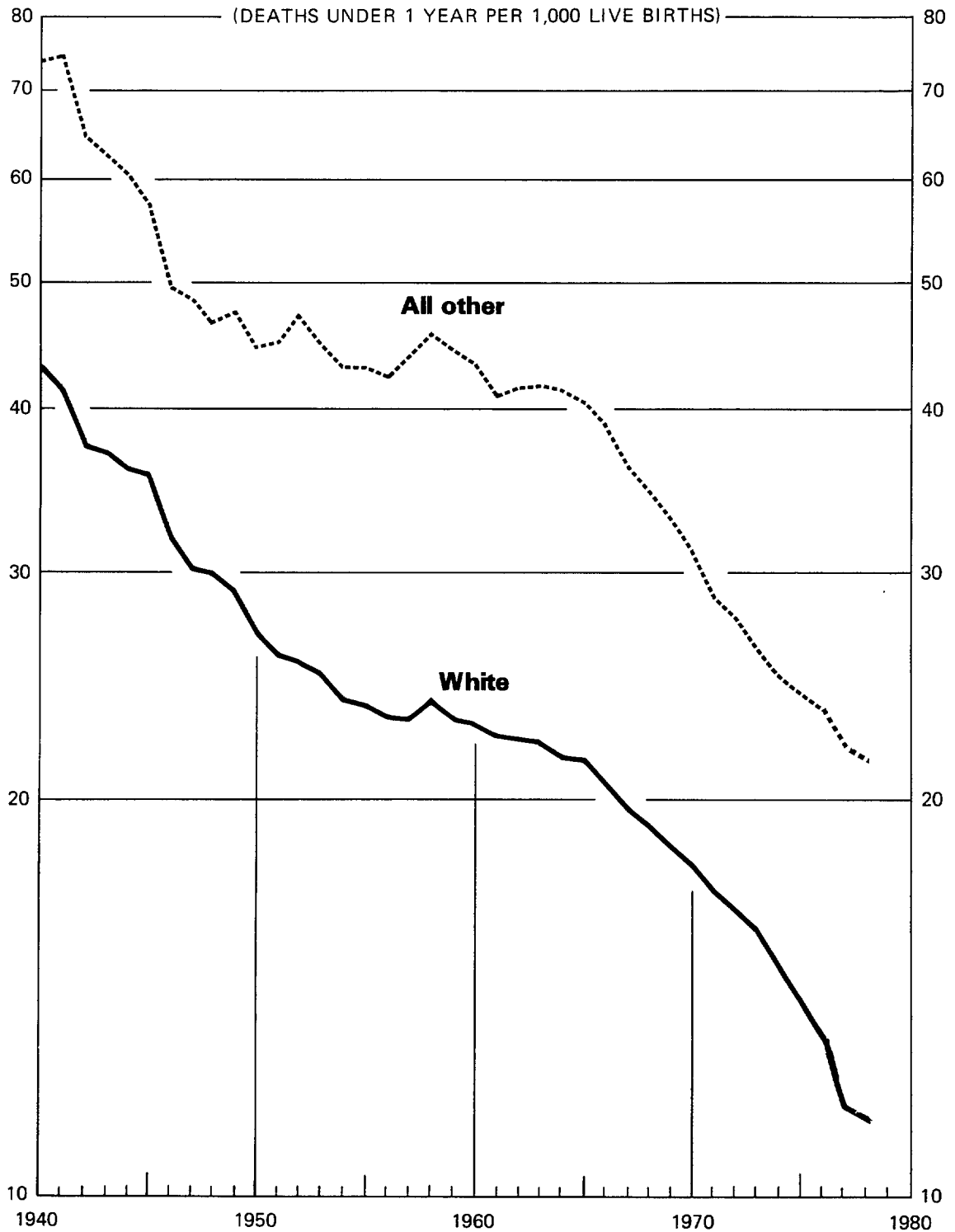
The relative risk of infant death between white infants and those of other races varied by cause. Among the leading causes of infant death, the largest color ratio—which expresses the ratio of infant mortality rates for the population of races other than white to the white population—was 2.7 for Immaturity, unqualified; the lowest color ratio was 0.95 for Congenital anomalies.

Among States, Mississippi recorded the highest resident infant mortality rate for 1978, 18.7 infant deaths per 1,000 live births. Maine and New Hampshire recorded the lowest resident infant mortality rates, 10.4 infant deaths per 1,000 live births. Between 1977 and 1978 the infant mortality rate increased in 20 States, decreased in the District of Columbia and in 29

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<sup>2</sup>See Explanatory Notes for the National Center for Health Statistics cause-of-death ranking procedures.

Figure 4. INFANT MORTALITY RATES BY COLOR: UNITED STATES, 1940-78



States, and remained the same in 1 State. The State with the largest percent increase in the infant mortality rate was Vermont, where the rate increased by 36.0 percent, from 10.0 to 13.6 infant deaths per 1,000 live births. In 1978 there were 70 infant deaths and 4,210 live births in Vermont. The State recording the largest percent decrease was South Dakota, where the infant mortality rate decreased by 17.8 percent between 1977 and 1978, from 16.4 to 13.5 per 1,000 live births. In 1978 there were 197 infant deaths and 6,295 live births in South Dakota. For the District of Columbia the infant mortality rate decreased between 1977 and 1978, from 27.4 to 27.3 infant deaths per 1,000 live births.

### Maternal Mortality

In 1978, 321 women died of maternal causes. As in previous years, this number does not include all deaths occurring to pregnant women but only deaths assigned to Complications of pregnancy, childbirth, and the puerperium (ICDA Nos. 630-678). The number of maternal deaths and the maternal mortality rates per 100,000 births by color for 1978 were as follows:

Color	Number	Rate
Total.....	321	9.6
White.....	171	6.4
All other.....	150	23.0

The overall rate in 1978 was 16.7 percent below the rate for 1977. The rate for white women declined 16.9 percent, and the rate for all other women declined 11.9 percent. The rate for all other women was 3.6 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 and from data provided to the National Center for Health Statistics (NCHS) through the Co-operative Health Statistics System (CHSS). Thirty-six States participated in CHSS in 1978. For these States part or all of the mortality data for 1978 were coded from the original certificates and provided on computer tape to NCHS. The following seven States submitted all mortality data, including cause of death, precoded on computer tape: Iowa, Louisiana, Michigan, Nebraska, North Carolina, Virginia, and Wisconsin. The remaining 29 States in CHSS submitted computer tapes with precoded demographic data along with copies of the original certificates from which NCHS coded cause of death. These States included Alabama, Alaska, Colorado, Florida, Idaho, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Minnesota, Missouri, Montana, Nevada, New Hampshire, New York, Ohio, Oklahoma, Oregon, Rhode Island, South Carolina, Tennessee, Texas, Utah, Vermont, Washington, and West Virginia. For the balance of States which were not participants in CHSS in 1978, NCHS coded both the demographic and medical data directly from copies of the original death certificates.

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.<sup>3</sup> An adaptation of the Eighth

<sup>3</sup>World 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.

Revision of the Classification—*Eighth Revision International Classification of Diseases, Adapted for Use in the United States*<sup>4</sup>—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 population for 1978 is available in recent publications by the U.S. Bureau of the Census.<sup>5,6</sup> Death rates by age, color, and sex for 1961-69 cited in this report may differ from those published for the corresponding years in *Vital Statistics of the United States*. Rates in this report for 1961-69 are based on revised intercensal population bases, as published in the U.S. Bureau of the Census, *Current Population Reports*, Series P-25, No. 519. Infant mortality rates and maternal mortality rates are based on numbers of live births.

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<sup>4</sup>National 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.

<sup>5</sup>U.S. Bureau of the Census: Estimates of the population of the United States, by age, race, and sex: 1976 to 1979. *Current Population Reports*, Population Estimates and Projections. Series P-25, No. 870. Washington. U.S. Government Printing Office, Jan. 1980.

<sup>6</sup>U.S. Bureau of the Census: Annual estimates of the population of States, July 1, 1970 to 1979. *Current Population Reports*, Population Estimates and Projections. Series P-25, No. 876. Washington. U.S. Government Printing Office, Feb. 1980.

### Cause-of-Death Ranking

Cause-of-death ranking for all ages in tables 4 and 5 is based on the List of 69 Selected Causes of Death, and the cause-of-death ranking for infants in table 6 is based on the List of 65 Selected Causes of Infant Death. These lists are adapted from two 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.

The cause-of-death categories that were introduced by NCHS during the period of the Eighth Revision are not included in the List of 69 Selected Causes of Death or in the List of 65 Selected Causes of Infant Death and, therefore, are not ranked among the leading causes of death. These categories include Chronic obstructive lung disease without mention of asthma, bronchitis, or emphysema (ICDA No. \*519.3); and Sudden infant death syndrome (ICDA No. \*795.0).

The group titles Major cardiovascular diseases and Symptoms and ill-defined conditions are not ranked from the List of 69 Selected Causes, and Certain causes of mortality in early infancy and Symptoms and ill-defined conditions are not ranked from the List of 65 Selected Causes of Infant Death. In addition, category titles that begin with the words "Other" or "All other" are not ranked to determine the leading causes of death. When one of the titles that represents a subtotal is ranked (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, by using the same standard population.

**Life Tables**

Abridged life table values for 1968-69 have been revised, using revised intercensal population estimates. Values for 1970-73 have also been revised, using the most recent U.S. decennial

life tables as standard tables. In this and other recent publications, these figures differ from those initially published in *Vital Statistics of the United States*.

**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 1978. More detailed tabulations for 1978 will be published in *Vital Statistics of the United States, 1978, 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, 1978

[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
<b>NUMBER</b>									
All ages.....	1,927,788	1,055,290	872,498	1,689,772	920,123	769,599	238,066	135,167	102,899
Under 1 year.....	45,945	26,088	19,857	32,212	18,423	13,789	13,733	7,665	6,068
1-4 years.....	8,429	4,866	3,563	6,267	3,673	2,594	2,162	1,193	969
5-9 years.....	5,649	3,352	2,297	4,386	2,591	1,795	1,263	761	502
10-14 years.....	6,381	4,142	2,239	5,109	3,312	1,797	1,272	830	442
15-19 years.....	21,200	15,466	5,734	18,034	13,221	4,813	3,166	2,245	921
20-24 years.....	27,300	20,551	6,749	21,852	16,603	5,249	5,448	3,948	1,500
25-29 years.....	23,674	17,103	6,571	17,945	13,072	4,873	5,729	4,031	1,698
30-34 years.....	22,148	15,105	7,043	16,689	11,396	5,293	5,459	3,709	1,750
35-39 years.....	24,682	16,139	8,543	18,431	12,094	6,337	6,251	4,045	2,206
40-44 years.....	33,487	21,073	12,414	25,385	15,980	9,405	8,102	5,093	3,009
45-49 years.....	53,595	33,710	19,885	42,718	27,092	15,626	10,877	6,618	4,259
50-54 years.....	87,800	55,901	31,899	71,957	46,191	25,766	15,843	9,710	6,133
55-59 years.....	125,438	79,943	45,495	105,633	67,907	37,726	19,805	12,036	7,769
60-64 years.....	167,413	106,565	60,848	144,904	93,075	51,829	22,509	13,490	9,019
65-69 years.....	211,228	130,795	80,433	184,575	115,345	69,230	26,653	15,450	11,203
70-74 years.....	241,031	140,838	100,193	214,349	126,176	88,173	26,682	14,662	12,020
75-79 years.....	251,270	131,554	119,716	226,438	118,904	107,534	24,832	12,650	12,182
80-84 years.....	246,056	112,840	133,216	228,562	104,268	124,294	17,494	8,572	8,922
85 years and over.....	324,297	118,741	205,556	303,717	110,412	193,305	20,580	8,329	12,251
Not stated.....	765	518	247	559	388	171	206	130	76
<b>RATES PER 100,000 POPULATION</b>									
All ages <sup>1</sup> .....	883.4	994.4	778.3	895.7	999.8	796.5	805.1	959.7	664.5
Under 1 year.....	1,434.4	1,591.7	1,269.6	1,218.3	1,359.6	1,069.7	2,456.7	2,708.5	2,206.5
1-4 years.....	69.2	78.2	59.9	62.7	71.7	53.3	99.0	108.1	89.7
5-9 years.....	33.4	38.9	27.8	31.4	36.3	26.3	43.0	51.5	34.4
10-14 years.....	34.3	43.7	24.6	33.0	41.8	23.7	40.9	53.1	28.6
15-19 years.....	100.9	145.3	55.3	101.8	146.9	55.2	96.0	136.1	55.9
20-24 years.....	134.7	203.1	66.5	126.3	190.8	61.0	184.0	278.4	97.2
25-29 years.....	131.8	192.2	72.5	115.7	168.3	63.0	233.7	356.7	128.5
30-34 years.....	139.7	192.9	87.8	120.6	165.0	76.4	270.5	402.3	159.7
35-39 years.....	189.4	254.0	127.9	161.7	215.3	109.6	381.6	548.8	244.8
40-44 years.....	296.1	382.8	213.8	257.2	329.1	187.5	562.6	784.7	380.9
45-49 years.....	471.6	608.5	341.4	428.5	553.8	307.8	779.7	1,021.3	570.1
50-54 years.....	742.4	980.9	520.5	683.7	906.6	474.5	1,216.8	1,610.3	877.4
55-59 years.....	1,115.9	1,490.1	774.3	1,046.0	1,404.8	716.5	1,734.2	2,266.7	1,271.5
60-64 years.....	1,774.2	2,411.5	1,212.8	1,695.2	2,318.2	1,143.4	2,537.7	3,339.1	1,867.3
65-69 years.....	2,463.0	3,439.3	1,685.2	2,412.7	3,394.5	1,628.2	2,878.3	3,814.8	2,150.3
70-74 years.....	3,787.4	5,241.5	2,724.9	3,684.9	5,166.9	2,612.5	4,877.9	5,984.5	3,980.1
75-79 years.....	6,024.2	8,065.8	4,713.2	5,393.8	7,996.2	4,564.3	7,547.7	8,724.1	6,620.7
80-84 years.....	8,954.0	11,597.1	7,509.4	9,080.7	11,821.8	7,606.7	7,573.2	9,419.8	6,372.9
85 years and over.....	14,700.7	17,258.9	13,541.2	15,316.0	18,100.3	14,079.0	9,228.7	10,678.2	8,449.0

<sup>1</sup>Figures 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, 1961-78**

[Rates per 100,000 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 <sup>1</sup>	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Age-adjusted rate
<b>TOTAL</b>													
1978 <sup>2</sup>	883.4	1,434.4	69.2	33.9	117.5	135.5	238.9	609.7	1,416.3	3,027.2	7,187.8	14,700.7	606.1
1977 <sup>2</sup>	878.1	1,485.6	68.8	34.6	117.1	136.2	247.5	620.7	1,434.9	3,065.6	7,181.9	14,725.9	612.3
1976 <sup>2</sup>	889.6	1,695.0	69.9	34.7	113.5	136.2	254.1	634.8	1,475.6	3,127.6	7,331.6	15,486.9	627.5
1975 <sup>2</sup>	888.5	1,641.0	70.8	35.7	118.9	143.2	256.8	649.6	1,495.5	3,189.2	7,359.2	15,187.9	638.3
1974 <sup>2</sup>	915.1	1,755.7	73.9	38.2	121.7	146.8	276.6	675.0	1,549.4	3,327.6	7,654.8	16,532.6	665.2
1973 <sup>2</sup>	940.2	1,895.2	79.5	41.0	123.3	153.6	295.9	697.4	1,611.9	3,440.0	7,932.1	17,423.4	692.9
1972 <sup>2,3</sup>	943.2	1,829.2	80.9	40.8	127.7	153.9	302.1	710.4	1,631.1	3,526.9	7,965.4	17,351.8	701.8
1971 <sup>2</sup>	934.7	1,904.8	82.6	41.1	126.6	156.5	307.5	710.2	1,622.8	3,486.2	7,866.6	17,426.4	699.9
1970 <sup>2</sup>	945.3	2,142.4	84.5	41.3	127.7	157.4	314.5	730.0	1,658.8	3,582.7	8,004.4	16,344.9	714.3
1969	954.4	2,199.6	88.0	42.6	129.2	158.7	321.4	732.5	1,661.3	3,632.7	8,097.5	18,821.8	728.5
1968	967.9	2,265.7	89.6	43.0	123.7	167.2	319.8	751.3	1,704.4	3,724.0	8,293.5	19,582.7	743.8
1967	937.6	2,290.7	89.4	41.7	116.5	151.9	309.7	736.3	1,657.2	3,624.6	8,093.6	19,223.2	725.6
1966	952.6	2,405.5	96.4	42.8	115.6	153.0	309.9	749.5	1,685.3	3,702.0	8,354.4	19,981.2	742.2
1965	944.6	2,463.3	95.9	42.3	109.1	150.8	307.4	746.6	1,683.4	3,662.8	8,358.6	20,069.0	739.0
1964	940.7	2,528.1	98.5	43.2	108.2	151.6	306.1	745.3	1,689.1	3,664.4	8,317.0	19,924.2	739.4
1963	962.2	2,576.4	101.5	43.3	105.5	148.1	303.4	752.4	1,721.7	3,732.6	8,531.9	20,991.1	756.9
1962	945.6	2,582.7	99.2	43.8	103.3	144.9	298.4	743.8	1,691.8	3,735.0	8,500.4	20,489.1	745.5
1961	929.8	2,587.0	101.7	43.9	102.6	143.3	292.6	732.4	1,675.2	3,690.7	8,399.2	19,634.3	735.6
<b>MALE</b>													
1978 <sup>2</sup>	994.4	1,591.7	78.2	41.4	173.5	192.6	313.8	797.3	1,906.3	4,185.4	9,385.3	17,258.9	802.8
1977 <sup>2</sup>	994.1	1,659.0	76.5	42.6	172.8	193.6	323.2	814.0	1,936.0	4,230.3	9,384.8	17,299.1	810.9
1976 <sup>2</sup>	1,007.0	1,762.6	78.2	42.6	167.7	191.3	331.6	834.0	1,999.5	4,337.1	9,509.1	17,983.9	832.2
1975 <sup>2</sup>	1,013.2	1,829.3	77.8	43.9	176.8	202.7	346.9	856.3	2,034.7	4,414.5	9,519.4	17,572.6	845.3
1974 <sup>2</sup>	1,041.0	1,970.4	82.3	46.9	181.3	205.1	358.5	890.5	2,111.9	4,584.8	9,786.9	18,875.7	878.7
1973 <sup>2</sup>	1,072.9	2,032.1	88.8	50.0	189.8	214.5	380.4	916.6	2,206.6	4,731.5	10,108.1	19,809.4	911.7
1972 <sup>2,3</sup>	1,080.3	2,063.6	90.0	49.9	189.1	211.8	386.6	940.0	2,245.6	4,816.8	10,124.0	19,896.8	921.9
1971 <sup>2</sup>	1,072.6	2,142.4	90.8	49.5	188.2	214.0	392.5	931.5	2,226.2	4,760.5	9,919.1	19,746.5	915.7
1970 <sup>2</sup>	1,090.3	2,410.0	93.2	50.5	188.5	215.3	402.6	958.5	2,282.7	4,873.8	10,010.2	19,781.5	931.6
1969	1,103.0	2,484.5	95.5	51.5	196.6	217.2	410.7	967.9	2,291.0	4,934.9	10,068.3	20,875.6	949.3
1968	1,119.4	2,562.6	98.2	52.3	182.8	214.0	406.0	988.7	2,344.1	5,049.1	10,215.2	21,732.0	965.2
1967	1,086.0	2,586.3	99.4	50.4	170.6	204.5	393.4	969.1	2,279.0	4,875.4	9,935.5	21,339.4	937.9
1966	1,100.8	2,713.7	105.2	51.4	167.9	202.0	391.9	966.7	2,317.6	4,949.8	10,160.0	22,008.6	953.8
1965	1,091.6	2,786.6	104.3	50.9	157.4	197.6	385.4	978.2	2,295.9	4,887.0	10,122.8	22,080.9	945.0
1964	1,085.4	2,850.3	107.6	51.9	154.8	197.7	384.4	972.5	2,289.0	4,848.5	9,961.3	21,640.6	937.7
1963	1,110.4	2,925.3	110.1	51.3	149.7	191.3	377.6	986.1	2,318.0	4,997.7	10,279.6	22,936.9	958.2
1962	1,069.5	2,934.0	106.1	52.1	146.8	185.3	371.4	974.1	2,267.1	4,868.8	10,010.3	22,253.5	936.5
1961	1,073.7	2,928.8	110.5	52.5	146.8	183.5	366.4	956.5	2,242.7	4,772.3	9,853.7	21,082.6	921.2
<b>FEMALE</b>													
1978 <sup>2</sup>	778.3	1,269.6	59.9	26.1	60.9	79.7	167.8	433.2	976.3	2,137.6	5,863.1	13,541.2	447.0
1977 <sup>2</sup>	768.2	1,303.5	60.8	26.3	60.7	80.1	175.8	436.2	985.0	2,152.8	5,862.7	13,542.3	456.6
1976 <sup>2</sup>	778.0	1,419.0	61.3	26.5	58.6	82.3	180.5	449.3	1,005.5	2,198.3	5,902.7	14,312.1	462.9
1975 <sup>2</sup>	770.3	1,443.7	63.5	27.2	60.5	85.1	190.8	456.3	1,012.6	2,247.0	6,030.4	14,031.4	469.3
1974 <sup>2</sup>	795.6	1,530.7	65.2	29.1	61.7	89.9	202.7	473.7	1,045.8	2,361.0	6,329.5	15,387.6	492.9
1973 <sup>2</sup>	814.2	1,568.8	69.9	31.6	66.4	94.4	215.6	493.1	1,079.8	2,445.5	6,562.5	16,234.0	513.1
1972 <sup>2,3</sup>	812.8	1,585.1	71.4	32.4	67.2	97.6	221.7	496.6	1,081.1	2,529.9	6,584.4	16,202.5	520.0
1971 <sup>2</sup>	803.8	1,656.1	74.0	32.4	67.4	100.8	226.8	504.1	1,082.4	2,498.3	6,531.5	16,215.7	521.1
1970 <sup>2</sup>	807.8	1,863.7	75.4	31.8	68.1	101.6	231.1	517.2	1,098.9	2,579.7	6,677.6	15,518.0	532.5
1969	813.5	1,903.8	80.2	33.4	68.4	102.6	237.0	513.0	1,094.6	2,615.2	6,775.4	17,710.1	543.4
1968	824.1	1,956.1	80.7	33.4	66.4	102.8	238.2	528.9	1,126.2	2,680.7	6,978.2	18,425.0	557.1
1967	796.3	1,983.8	78.9	32.8	64.1	101.5	230.4	517.0	1,092.6	2,629.8	6,811.0	18,037.9	545.1
1966	810.8	2,085.1	87.2	33.8	64.1	105.9	232.1	525.3	1,108.6	2,701.2	7,078.3	18,854.2	560.9
1965	803.5	2,128.8	87.1	33.4	61.3	105.7	233.3	526.5	1,122.2	2,751.0	7,088.6	19,891.6	561.2
1964	801.4	2,193.0	89.1	34.2	62.1	107.1	231.7	525.5	1,122.2	2,809.1	7,181.2	18,907.0	569.3
1963	819.2	2,214.9	92.1	35.1	61.9	108.8	232.8	528.5	1,170.2	2,792.5	7,407.6	19,787.7	581.3
1962	806.6	2,219.2	92.1	35.3	60.5	105.9	228.9	526.1	1,157.2	2,783.6	7,361.7	19,403.8	578.4
1961	790.4	2,233.7	92.6	35.0	59.0	104.7	222.5	515.7	1,145.9	2,766.0	7,288.8	18,688.7	569.5
<b>WHITE</b>													
1978 <sup>2</sup>	895.7	1,218.3	62.7	32.2	113.9	118.0	206.0	559.6	1,343.6	2,962.2	7,155.2	15,316.0	580.2
1977 <sup>2</sup>	888.2	1,266.2	62.5	31.1	112.8	117.6	213.2	567.9	1,361.0	2,985.3	7,164.0	15,292.2	585.4
1976 <sup>2</sup>	899.4	1,356.2	64.1	33.2	107.6	116.0	218.5	580.9	1,403.3	3,053.3	7,340.0	16,068.5	599.9
1975 <sup>2</sup>	896.8	1,413.0	64.4	33.9	111.5	121.1	229.2	597.1	1,422.8	3,107.2	7,384.0	15,707.5	609.8
1974 <sup>2</sup>	921.9	1,524.5	67.1	36.5	113.0	122.9	237.6	617.4	1,471.6	3,231.0	7,703.9	17,055.6	635.4
1973 <sup>2</sup>	944.2	1,556.1	71.4	36.8	118.5	128.2	252.0	633.5	1,529.5	3,336.2	7,976.7	17,926.6	659.3
1972 <sup>2,3</sup>	945.4	1,577.5	73.4	39.1	116.2	126.5	255.1	646.2	1,550.1	3,429.1	8,017.4	17,864.5	667.6
1971 <sup>2</sup>	936.6	1,655.3	74.3	38.7	113.7	128.4	261.1	649.0	1,543.7	3,391.6	7,913.5	17,912.2	665.8
1970 <sup>2</sup>	946.3	1,869.7	75.1	39.1	115.8	129.9	267.0	666.2	1,577.1	3,490.1	8,043.3	16,889.7	679.6
1969	953.1	1,900.9	77.6	40.0	117.7	130.8	272.4	667.1	1,572.8	3,535.3	8,135.7	19,345.5	691.9
1968	964.9	1,968.4	78.3	40.3	113.9	128.5	270.4	684.9	1,608.5	3,620.4	8,331.1	20,083.5	706.2
1967	937.5	1,975.0	78.3	39.4	108.1	125.2	265.4	674.6	1,572.7	3,542.2	8,154.9	19,743.6	692.0
1966	949.7	2,065.2	83.6	40.3	107.9	127.6	265.0	686.1	1,594.2	3,611.2	8,404.3	20,468.3	707.0
1965	941.6	2,110.5	83.2	39.7	102.1	126.4	264.0	685.0	1,588.3	3,583.9	8,423.7	20,583.1	704.9
1964	938.5	2,174.9	85.6	40.1	101.5	127.6	263.0	681.8	1,588.3	3,593.1	8,389.5	20,395.3	705.2
1963	954.4	2,238.2	87.6	40.7	98.8	125.3	262.6	687.9	1,612.3	3,687.2	8,671.0	21,387.0	720.1
1962	939.1	2,363.7	87.1	41.4	96.4	123.6	259.7	682.7	1,589.9	3,637.8	8,561.7	20,851.8	710.9
1961	925.5	2,277.4	90.0	41.8	95.3	121.1	254.3	673.9	1,577.7	3,615.6	8,492.9	20,025.5	703.8
<b>WHITE, MALE</b>													
1978 <sup>2</sup>	899.8	1,359.6	71.7	39.2	168.5	166.7	268.1	733.8	1,819.2	4,135.6	9,420.5	19	

# MONTHLY VITAL STATISTICS REPORT

**Table 2. DEATH RATES BY AGE, COLOR AND SEX AND AGE-ADJUSTED DEATH RATES, BY COLOR AND SEX: UNITED STATES, 1961-78-Con.**

[Rates per 100,000 population in specified group. Age-adjusted rates based on age-specific death rates per 100,000 estimated midyear population in specific 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 <sup>1</sup>	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Age-adjusted rate
<b>WHITE, FEMALE</b>													
1978 <sup>2</sup>	796.5	1,069.7	53.3	25.0	58.1	69.3	145.8	393.9	914.0	2,063.8	5,810.2	14,079.0	425.5
1977 <sup>2</sup>	783.3	1,094.8	55.0	25.3	57.2	69.3	151.9	397.4	920.4	2,070.4	5,805.1	14,039.7	427.8
1976 <sup>2</sup>	793.6	1,192.1	55.9	25.4	54.7	70.3	155.4	405.9	942.0	2,114.1	5,984.6	14,823.3	439.6
1975 <sup>2</sup>	783.8	1,222.3	57.1	25.8	56.0	73.3	164.6	414.8	944.6	2,152.8	6,034.7	14,494.1	445.3
1974 <sup>2</sup>	807.6	1,312.6	58.5	27.9	56.2	75.5	172.1	426.4	973.6	2,252.5	6,354.6	15,845.4	466.4
1973 <sup>2</sup>	823.0	1,342.8	62.5	30.2	60.0	79.3	181.8	439.9	1,000.7	2,324.7	6,582.2	16,685.8	483.7
1972 <sup>2,3</sup>	821.3	1,343.1	63.8	30.9	61.2	81.0	187.1	444.3	1,001.6	2,416.8	6,619.6	16,657.3	490.8
1971 <sup>2</sup>	809.7	1,422.9	66.2	30.7	60.2	83.0	189.8	450.6	1,003.3	2,386.6	6,558.3	16,629.2	490.9
1970 <sup>2</sup>	812.6	1,614.6	66.1	29.9	61.6	84.1	193.3	462.9	1,014.9	2,470.7	6,698.7	15,980.2	501.7
1969	816.0	1,623.1	71.0	31.4	61.7	84.0	198.5	456.5	1,002.9	2,503.4	6,797.6	18,178.5	510.8
1968	824.0	1,671.5	70.4	31.3	60.5	82.8	197.6	470.5	1,028.5	2,562.8	6,966.4	18,875.5	522.9
1967	797.5	1,682.0	68.9	30.8	58.4	81.7	193.3	460.3	999.9	2,533.3	6,854.6	18,496.0	513.3
1966	809.0	1,760.5	74.9	31.7	58.5	86.4	193.2	466.1	1,010.2	2,599.7	7,103.2	19,293.5	527.1
1965	800.8	1,801.3	74.5	31.0	59.9	85.9	194.4	467.9	1,016.5	2,680.0	7,133.6	19,353.7	527.6
1964	797.0	1,865.5	78.7	32.0	59.8	89.9	193.7	464.8	1,024.0	2,610.9	7,160.7	19,313.0	531.2
1963 <sup>4</sup>	810.2	1,908.9	78.0	32.3	56.2	85.6	193.5	461.4	2,679.3	7,426.5	20,184.2	545.3	
1962 <sup>4</sup>	797.8	1,918.6	80.4	33.0	54.2	86.7	190.7	459.0	1,034.2	2,672.9	7,395.2	19,749.3	539.9
1961	784.2	1,944.3	80.9	33.2	52.4	84.6	185.6	453.4	1,029.9	2,681.5	7,348.8	19,096.9	535.8
<b>ALL OTHER</b>													
1978 <sup>2</sup>	805.1	2,456.7	99.0	41.9	137.6	250.3	466.3	990.7	2,085.5	3,620.8	7,568.2	9,228.7	797.6
1977 <sup>2</sup>	813.0	2,546.4	97.6	42.0	141.4	261.6	482.2	1,032.3	2,126.0	3,708.8	7,384.2	9,595.6	814.0
1976 <sup>2</sup>	824.8	2,781.5	96.9	42.2	147.5	273.9	499.6	1,065.5	2,153.2	3,828.7	7,238.5	10,018.5	833.7
1975 <sup>2</sup>	833.6	2,765.3	101.0	45.4	162.8	298.8	529.8	1,077.8	2,176.4	3,970.7	7,076.1	10,102.9	852.4
1974 <sup>2</sup>	869.1	2,922.9	107.8	47.3	174.1	314.4	568.4	1,153.3	2,285.1	4,268.9	7,080.8	11,248.5	901.3
1973 <sup>2</sup>	912.6	3,020.1	121.1	53.0	187.4	334.2	609.9	1,230.4	2,393.7	4,470.8	7,419.6	12,137.9	953.1
1972 <sup>2,3</sup>	920.9	3,125.6	120.0	49.9	199.1	349.2	642.5	1,235.4	2,406.0	4,490.1	7,338.6	11,854.1	965.4
1971 <sup>2</sup>	921.5	3,250.7	126.4	54.3	209.0	355.0	649.4	1,242.6	2,380.8	4,414.7	7,221.7	11,990.5	963.6
1970 <sup>2</sup>	938.4	3,597.1	134.1	53.7	203.6	348.7	664.3	1,200.9	2,431.1	4,488.4	7,511.1	10,750.3	983.4
1969	963.3	3,884.2	142.7	57.7	205.1	358.1	693.8	1,320.2	2,515.0	4,602.7	7,619.6	12,889.0	1,018.5
1968	989.6	3,870.9	150.2	59.1	190.2	363.0	700.0	1,352.2	2,634.5	4,761.9	7,805.9	13,990.2	1,045.3
1967	938.2	4,002.8	149.4	57.8	174.7	341.4	656.6	1,296.0	2,481.1	4,453.7	7,297.1	13,246.3	989.6
1966	974.6	4,199.1	167.4	57.8	169.3	333.8	667.1	1,326.9	2,583.0	4,624.1	7,703.5	14,294.4	1,023.4
1965	966.9	4,380.2	167.5	57.8	193.3	325.2	658.4	1,309.0	2,627.8	4,481.5	7,606.7	14,130.1	1,012.5
1964	972.2	4,486.7	172.5	59.0	186.0	323.9	655.3	1,325.8	2,695.2	4,419.7	7,324.5	14,114.1	1,015.3
1963 <sup>4</sup>	1,007.6	4,455.6	184.2	60.3	158.2	317.5	645.0	1,328.9	2,779.1	4,775.5	7,790.8	15,783.3	1,050.0
1962 <sup>4</sup>	982.1	4,415.1	171.9	59.8	157.2	306.9	630.7	1,295.3	2,698.5	4,629.2	7,471.6	15,220.0	1,020.1
1961	952.9	4,341.1	170.3	57.0	155.0	307.7	618.4	1,270.0	2,655.6	4,542.6	7,154.1	14,638.6	998.6
<b>ALL OTHER, MALE</b>													
1978 <sup>2</sup>	959.7	2,708.5	108.1	52.3	201.9	377.2	659.3	1,305.2	2,730.1	4,632.6	8,992.4	10,678.2	1,029.6
1977 <sup>2</sup>	967.1	2,780.4	108.1	52.8	205.1	396.8	671.7	1,354.5	2,772.7	4,882.2	8,783.3	11,286.1	1,045.9
1976 <sup>2</sup>	983.5	3,012.4	107.5	52.2	217.3	410.5	692.4	1,402.5	2,812.3	4,852.8	8,652.1	11,519.1	1,072.1
1975 <sup>2</sup>	999.1	3,001.1	108.8	56.7	242.6	454.6	736.1	1,418.9	2,806.6	4,970.8	8,604.9	11,693.8	1,097.5
1974 <sup>2</sup>	1,036.3	3,212.7	117.5	58.7	259.0	467.8	768.7	1,499.7	2,942.3	5,285.0	8,655.6	12,782.5	1,149.1
1973 <sup>2</sup>	1,084.6	3,335.4	135.6	66.8	275.2	498.6	815.7	1,591.5	3,069.5	5,456.7	8,985.7	13,605.7	1,206.7
1972 <sup>2,3</sup>	1,101.3	3,440.0	129.6	59.4	299.3	514.2	868.4	1,639.2	3,073.2	5,490.1	8,939.7	13,325.5	1,227.2
1971 <sup>2</sup>	1,094.1	3,610.0	138.9	66.7	312.0	516.1	852.8	1,572.8	3,013.1	5,377.6	8,746.0	13,351.0	1,210.7
1970 <sup>2</sup>	1,115.9	4,020.0	144.7	70.8	306.7	511.9	814.5	1,680.7	3,128.8	5,630.8	9,123.4	14,102.3	1,231.4
1969	1,145.5	4,310.9	157.5	72.6	281.7	512.6	899.5	1,704.9	3,265.0	5,809.6	9,194.6	15,612.2	1,294.4
1968	1,169.1	4,260.8	165.4	72.6	281.7	512.6	899.5	1,704.9	3,013.5	5,448.2	8,624.5	14,653.8	1,212.4
1967	1,101.1	4,415.2	166.4	66.4	252.3	467.6	833.6	1,806.9	3,127.0	5,658.8	8,947.5	16,233.3	1,243.3
1966	1,136.5	4,618.6	180.4	69.2	240.6	447.4	830.8	1,631.2	3,127.0	5,658.8	8,947.5	15,761.8	1,217.2
1965	1,121.3	4,871.1	178.3	67.8	223.3	425.4	802.3	1,595.0	3,110.0	5,488.1	8,733.5	15,528.1	1,206.5
1964	1,120.5	5,012.3	186.2	70.8	215.0	417.4	798.6	1,575.2	3,142.0	5,369.4	8,473.8	15,528.1	1,206.5
1963 <sup>4</sup>	1,156.5	5,019.2	197.1	68.4	217.7	395.6	756.7	1,567.5	3,191.0	5,828.6	8,967.3	18,386.2	1,239.7
1962 <sup>4</sup>	1,120.5	4,942.7	184.5	69.5	215.5	382.6	735.1	1,529.5	3,061.4	5,556.7	8,448.4	17,213.8	1,191.4
1961	1,096.1	4,866.3	180.5	67.9	208.4	381.6	722.7	1,470.1	3,000.1	5,433.2	8,015.1	16,113.3	1,158.7
<b>ALL OTHER, FEMALE</b>													
1978 <sup>2</sup>	864.5	2,206.5	89.7	31.5	75.9	142.7	308.4	718.7	1,534.6	2,821.7	6,513.6	8,449.0	605.5
1977 <sup>2</sup>	872.5	2,304.5	87.1	31.0	80.1	146.9	326.4	752.5	1,572.9	2,933.0	6,370.3	8,673.5	621.3
1976 <sup>2</sup>	880.0	2,542.2	86.1	32.0	80.6	157.8	340.8	772.3	1,590.1	3,009.4	6,217.6	9,175.2	635.1
1975 <sup>2</sup>	892.5	2,523.0	93.0	34.0	86.6	160.8	359.9	780.8	1,636.2	3,172.0	5,978.5	9,177.3	648.3
1974 <sup>2</sup>	916.3	2,614.2	98.2	35.8	93.4	184.0	380.8	852.2	1,718.3	3,442.8	6,015.4	10,342.3	693.1
1973 <sup>2</sup>	954.4	2,897.2	106.5	39.2	103.9	194.1	439.6	926.0	1,821.7	3,662.0	6,291.8	11,115.9	738.9
1972 <sup>2,3</sup>	956.5	2,815.9	110.2	40.3	103.9	194.1	439.6	926.0	1,830.2	3,678.9	6,178.0	10,939.0	745.0
1971 <sup>2</sup>	963.3	2,896.7	113.9	41.8	111.9	217.8	480.1	953.8	1,829.4	3,630.0	6,195.6	11,271.1	754.9
1970 <sup>2</sup>	975.3	3,169.4	123.3	42.3	108.8	215.7	490.5	979.4	1,886.9	3,675.6	6,392.6	10,288.9	770.8
1969	996.4	3,454.3	127.9	44.5	111.6	227.7	510.2	1,004.3	1,970.9	3,756.5	6,444.1	12,067.7	800.5
1968	924.8	3,461.8	134.9	45.5	105.1	236.7	532.3	1,041.3	2,068.5	3,892.9	6,757.7	12,967.2	831.3
1967	787.4	3,588.8	134.9	44.7	102.3	233.6	504.9	1,017.6	2,000.2	3,632.7	6,238.8	12,050.9	795.7
1966	824.0	3,773.7	132.3	46.4	102.3	236.3	526.3	1,050.9	2,084.5	3,768.4	6,730.8	12,977.4	831.9
1965	822.6	3,872.7	156.7	47.7	98.7								

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Table 3. ABRIDGED LIFE TABLES BY COLOR AND SEX: UNITED STATES, 1978

[For explanation of the columns of the Life Tables, see Section 5 of *Vital Statistics of the United States, 1975, 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 $x+n$	$nq_x$	$l_x$	$n^d_x$	$nL_x$	$T_x$	$e_x$
<b>TOTAL</b>						
0-1	0.0138	100,000	1,379	98,796	7,330,600	73.3
1-5	.0027	98,621	270	393,856	7,231,804	73.3
5-10	.0017	98,351	165	491,312	6,837,948	69.5
10-15	.0017	98,186	169	490,573	6,346,636	64.6
15-20	.0051	98,017	496	488,960	5,856,063	59.7
20-25	.0067	97,521	656	485,986	5,367,103	55.0
25-30	.0066	96,865	636	482,735	4,881,117	50.4
30-35	.0070	96,229	672	479,538	4,398,382	45.7
35-40	.0094	95,557	900	475,679	3,918,844	41.0
40-45	.0147	94,657	1,389	470,041	3,443,165	36.4
45-50	.0233	93,268	2,177	461,238	2,973,124	31.9
50-55	.0366	91,091	3,330	447,647	2,511,886	27.6
55-60	.0545	87,761	4,780	427,499	2,064,239	23.5
60-65	.0853	82,981	7,079	398,024	1,636,740	19.7
65-70	.1165	75,902	8,846	358,257	1,238,716	16.3
70-75	.1739	67,056	11,659	307,056	880,459	13.1
75-80	.2629	55,397	14,565	241,082	573,403	10.4
80-85	.3659	40,832	14,941	166,202	332,321	8.1
85 AND OVER	1.0000	25,891	25,891	166,119	166,119	6.4
<b>MALE</b>						
0-1	0.0153	100,000	1,527	98,665	6,949,897	69.5
1-5	.0031	98,473	304	393,193	6,851,232	69.6
5-10	.0019	98,169	191	490,336	6,458,039	65.8
10-15	.0022	97,978	214	489,458	5,967,703	60.9
15-20	.0073	97,764	713	487,224	5,478,245	56.0
20-25	.0101	97,051	982	482,830	4,991,021	51.4
25-30	.0096	96,069	919	478,010	4,508,191	46.9
30-35	.0096	95,150	916	473,539	4,030,181	42.4
35-40	.0126	94,234	1,189	468,380	3,556,642	37.7
40-45	.0189	93,045	1,762	461,112	3,088,262	33.2
45-50	.0300	91,283	2,740	450,008	2,627,150	28.8
50-55	.0480	88,543	4,254	432,769	2,177,142	24.6
55-60	.0721	84,289	6,076	407,074	1,744,373	20.7
60-65	.1143	78,213	8,936	369,643	1,337,299	17.1
65-70	.1590	69,277	11,018	319,603	967,656	14.0
70-75	.2324	58,259	13,539	257,893	648,053	11.1
75-80	.3354	44,720	14,999	185,712	390,160	8.7
80-85	.4461	29,721	13,255	114,046	204,448	6.9
85 AND OVER	1.0000	16,462	16,462	90,402	90,402	5.5
<b>FEMALE</b>						
0-1	0.0122	100,000	1,224	98,934	7,718,382	77.2
1-5	.0024	98,776	234	394,554	7,619,448	77.1
5-10	.0014	98,542	137	492,339	7,224,894	73.3
10-15	.0012	98,405	121	491,753	6,732,555	68.4
15-20	.0028	98,284	272	490,787	6,240,802	63.5
20-25	.0033	98,012	328	489,254	5,750,015	58.7
25-30	.0036	97,684	355	487,562	5,260,761	53.9
30-35	.0044	97,329	428	485,642	4,773,199	49.0
35-40	.0064	96,901	617	483,068	4,287,557	44.2
40-45	.0106	96,284	1,022	479,030	3,804,489	39.5
45-50	.0169	95,262	1,615	472,510	3,325,459	34.9
50-55	.0258	93,647	2,413	462,545	2,852,949	30.5
55-60	.0381	91,234	3,475	447,939	2,390,404	26.2
60-65	.0591	87,759	5,187	426,535	1,962,465	22.1
65-70	.0813	82,572	6,710	397,033	1,515,930	18.4
70-75	.1284	75,862	9,741	356,263	1,118,897	14.7
75-80	.2125	66,121	14,051	296,809	762,634	11.5
80-85	.3178	52,070	16,546	219,198	465,834	8.9
85 AND OVER	1.0000	35,524	35,524	246,636	246,636	6.9

## MONTHLY VITAL STATISTICS REPORT

Table 3. ABRIDGED LIFE TABLES BY COLOR AND SEX: UNITED STATES, 1978-Con.

[For explanation of the columns of the Life Tables, see Section 5 of *Vital Statistics of the United States, 1975, 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	PROPORTION OF PERSONS ALIVE AT BEGINNING OF AGE INTERVAL DYING DURING INTERVAL	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 $x+n$	$nq_x$	$l_x$	$nd_x$	$nL_x$	$T_x$	$e_x$
<b>WHITE</b>						
0-1	0.0120	100,000	1,201	98,944	7,395,375	74.0
1-5	.0025	98,799	245	394,633	7,256,429	73.9
5-10	.0016	98,554	156	492,353	6,901,796	70.0
10-15	.0016	98,398	162	491,648	6,409,443	65.1
15-20	.0051	98,236	502	490,032	5,917,795	60.2
20-25	.0063	97,734	616	487,135	5,427,763	55.5
25-30	.0058	97,118	561	484,178	4,940,628	50.9
30-35	.0060	96,557	582	481,392	4,456,450	46.2
35-40	.0080	95,975	772	478,082	3,975,058	41.4
40-45	.0128	95,203	1,214	473,204	3,496,976	36.7
45-50	.0212	93,989	1,995	465,297	3,023,772	32.2
50-55	.0337	91,994	3,192	452,735	2,558,475	27.8
55-60	.0511	88,892	4,545	433,750	2,105,740	23.7
60-65	.0817	84,347	6,890	405,342	1,671,990	19.8
65-70	.1143	77,457	8,856	366,074	1,266,648	16.4
70-75	.1695	68,601	11,630	314,950	900,574	13.1
75-80	.2580	56,971	14,699	248,730	585,624	10.3
80-85	.3702	42,272	15,648	171,651	336,894	8.0
85 AND OVER	1.0000	26,624	26,624	165,243	165,243	6.2
<b>WHITE, MALE</b>						
0-1	0.0134	100,000	1,337	98,825	7,019,639	70.2
1-5	.0028	98,663	280	394,014	6,920,814	70.1
5-10	.0018	98,383	179	491,440	6,526,800	66.3
10-15	.0021	98,204	206	490,604	6,035,360	61.5
15-20	.0074	97,998	723	488,360	5,544,756	56.6
20-25	.0095	97,275	925	484,072	5,056,396	52.0
25-30	.0084	96,350	806	479,688	4,572,324	47.5
30-35	.0082	95,544	787	475,820	4,092,636	42.8
35-40	.0107	94,757	1,014	471,426	3,616,816	38.2
40-45	.0163	93,743	1,527	465,182	3,145,300	33.6
45-50	.0274	92,216	2,523	455,217	2,680,208	29.1
50-55	.0445	89,693	3,990	439,187	2,224,991	24.8
55-60	.0681	85,703	5,837	414,767	1,785,804	20.8
60-65	.1101	79,866	8,793	378,308	1,371,037	17.2
65-70	.1572	71,073	11,171	328,269	992,729	14.0
70-75	.2294	59,902	13,744	265,672	664,460	11.1
75-80	.3330	46,158	15,372	192,039	398,788	8.6
80-85	.4528	30,786	13,939	117,620	206,749	6.7
85 AND OVER	1.0000	16,847	16,847	89,129	89,129	5.3
<b>WHITE, FEMALE</b>						
0-1	0.0106	100,000	1,058	99,072	7,779,221	77.8
1-5	.0021	98,942	209	395,283	7,680,149	77.6
5-10	.0013	98,733	130	493,314	7,284,866	73.8
10-15	.0012	98,603	117	492,749	6,791,552	68.9
15-20	.0028	98,486	272	491,793	6,298,803	64.0
20-25	.0031	98,214	301	490,325	5,807,010	59.1
25-30	.0031	97,913	308	488,818	5,316,685	54.3
30-35	.0038	97,605	372	487,151	4,827,867	49.5
35-40	.0055	97,233	530	484,938	4,340,716	44.6
40-45	.0093	96,703	899	481,430	3,855,778	39.9
45-50	.0153	95,804	1,462	475,598	3,374,348	35.2
50-55	.0235	94,342	2,214	466,511	2,898,750	30.7
55-60	.0352	92,128	3,246	452,973	2,432,239	26.4
60-65	.0557	88,882	4,953	432,730	1,979,266	22.3
65-70	.0785	83,929	6,589	404,187	1,546,536	18.4
70-75	.1232	77,340	9,530	364,287	1,142,349	14.8
75-80	.2062	67,810	13,980	305,546	778,062	11.5
80-85	.3208	53,830	17,269	226,259	472,516	8.8
85 AND OVER	1.0000	36,561	36,561	246,257	246,257	6.7

MONTHLY VITAL STATISTICS REPORT

Table 3. ABRIDGED LIFE TABLES BY COLOR AND SEX: UNITED STATES, 1978-Con.

[ For explanation of the columns of the Life Tables, see Section 5 of *Vital Statistics of the United States, 1975, 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 $x+n$	$nq_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
<b>ALL OTHER</b>						
0-1	0.0212	100,000	2,115	98,178	6,923,402	69.2
1-5	.0038	97,885	377	390,638	6,825,224	69.7
5-10	.0022	97,508	210	486,963	6,434,586	66.0
10-15	.0021	97,298	200	486,067	5,947,623	61.1
15-20	.0048	97,098	469	484,461	5,461,556	56.2
20-25	.0092	96,629	890	481,028	4,977,095	51.5
25-30	.0116	95,739	1,115	475,964	4,496,067	47.0
30-35	.0135	94,624	1,274	470,076	4,020,103	42.5
35-40	.0189	93,350	1,767	462,557	3,550,027	38.0
40-45	.0278	91,583	2,544	451,853	3,087,470	33.7
45-50	.0383	89,039	3,414	437,034	2,635,617	29.6
50-55	.0592	85,625	5,073	415,948	2,198,583	25.7
55-60	.0834	80,552	6,716	386,533	1,782,635	22.1
60-65	.1196	73,836	8,834	347,716	1,396,102	18.9
65-70	.1347	65,002	8,754	303,538	1,048,386	16.1
70-75	.2186	56,248	12,298	250,712	744,848	13.2
75-80	.3175	43,950	13,953	184,120	494,136	11.2
80-85	.3175	29,997	9,523	125,313	310,016	10.3
85 AND OVER	1.0000	20,474	20,474	184,703	184,703	9.0
<b>ALL OTHER, MALE</b>						
0-1	0.0233	100,000	2,325	97,990	6,498,841	65.0
1-5	.0042	97,675	410	389,731	6,400,851	65.5
5-10	.0026	97,262	251	485,643	6,011,120	61.8
10-15	.0027	97,014	259	484,544	5,525,477	57.0
15-20	.0069	96,755	664	482,342	5,040,933	52.1
20-25	.0139	96,091	1,337	477,287	4,558,591	47.4
25-30	.0177	94,754	1,678	469,603	4,081,304	43.1
30-35	.0200	93,076	1,858	460,889	3,611,701	38.8
35-40	.0271	91,218	2,473	450,181	3,150,812	34.5
40-45	.0365	88,745	3,418	435,523	2,700,631	30.4
45-50	.0499	85,327	4,259	416,409	2,265,098	26.5
50-55	.0777	81,068	6,295	390,181	1,848,689	22.8
55-60	.1075	74,773	8,041	354,310	1,458,508	19.5
60-65	.1545	66,732	10,308	308,386	1,104,198	16.5
65-70	.1746	56,424	9,850	257,749	795,812	14.1
70-75	.2612	46,574	12,166	202,363	538,063	11.6
75-80	.3567	34,408	12,272	140,249	335,700	9.8
80-85	.3781	22,136	8,370	88,614	195,451	8.8
85 AND OVER	1.0000	13,766	13,766	106,837	106,837	7.8
<b>ALL OTHER, FEMALE</b>						
0-1	0.0190	100,000	1,899	98,372	7,356,333	73.6
1-5	.0035	98,101	342	391,574	7,257,961	74.0
5-10	.0017	97,759	169	488,325	6,866,387	70.2
10-15	.0014	97,590	140	487,658	6,378,062	65.4
15-20	.0028	97,450	274	486,635	5,890,424	60.4
20-25	.0049	97,176	474	484,756	5,403,789	55.6
25-30	.0064	96,702	622	482,031	4,919,033	50.9
30-35	.0080	96,080	766	478,609	4,437,002	46.2
35-40	.0122	95,314	1,161	473,844	3,958,393	41.5
40-45	.0189	94,153	1,779	466,549	3,484,549	37.0
45-50	.0282	92,374	2,604	455,668	3,018,000	32.7
50-55	.0431	89,770	3,866	439,592	2,562,332	28.5
55-60	.0618	85,904	5,312	416,770	2,122,740	24.7
60-65	.0895	80,592	7,211	385,637	1,705,970	21.2
65-70	.1024	73,381	7,514	348,644	1,320,333	18.0
70-75	.1823	65,867	12,009	299,802	971,689	14.8
75-80	.2850	53,858	15,351	230,635	671,887	12.5
80-85	.2751	38,507	10,594	165,528	441,252	11.5
85 AND OVER	1.0000	27,913	27,913	275,724	275,724	9.9

## MONTHLY VITAL STATISTICS REPORT

Table 4. DEATHS AND DEATH RATES FOR THE 10 LEADING CAUSES OF DEATH IN SPECIFIED COLOR-SEX GROUPS: UNITED STATES, 1978

[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.....	1,927,788	883.4
1	Diseases of heart.....390-398,402,404,410-429	729,510	334.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	396,992	181.9
3	Cerebrovascular diseases.....430-438	175,629	80.5
4	Accidents.....E800-E949	105,561	48.4
...	Motor vehicle accidents.....E810-E823	52,411	24.0
...	All other accidents.....E800-E807,E825-E949	53,150	24.4
5	Influenza and pneumonia.....470-474,480-486	58,319	26.7
6	Diabetes mellitus.....250	33,841	15.5
7	Cirrhosis of liver.....571	30,066	13.8
8	Arteriosclerosis.....440	29,940	13.3
9	Suicide.....E950-E959	27,294	12.5
10	Certain causes of mortality in early infancy.....760-769,2,769,4-772,774-778	22,033	10.1
...	All other causes.....Residual	319,603	146.5
...	White, male—all causes.....	920,123	999.8
1	Diseases of heart.....390-398,402,404,410-429	359,700	390.8
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	189,956	206.4
3	Cerebrovascular diseases.....430-438	63,439	68.9
4	Accidents.....E800-E949	62,868	68.3
...	Motor vehicle accidents.....E810-E823	33,341	36.2
...	All other accidents.....E800-E807,E825-E949	29,527	32.1
5	Influenza and pneumonia.....470-474,480-486	26,578	28.9
6	Suicide.....E950-E959	18,619	20.2
7	Cirrhosis of liver.....571	16,413	17.8
8	Bronchitis, emphysema, and asthma.....490-493	14,228	15.5
9	Diabetes mellitus.....250	11,846	12.9
10	Arteriosclerosis.....440	10,583	11.5
...	All other causes.....Residual	145,893	158.5
...	White, female—all causes.....	769,599	796.5
1	Diseases of heart.....390-398,402,404,410-429	298,002	308.4
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	162,083	167.7
3	Cerebrovascular diseases.....430-438	90,361	93.5
4	Accidents.....E800-E949	27,524	28.5
...	Motor vehicle accidents.....E810-E823	12,633	13.1
...	All other accidents.....E800-E807,E825-E949	14,891	15.4
5	Influenza and pneumonia.....470-474,480-486	24,854	25.7
6	Diabetes mellitus.....250	16,453	17.0
7	Arteriosclerosis.....440	16,230	16.8
8	Cirrhosis of liver.....571	8,464	8.8
9	Suicide.....E950-E959	6,631	6.9
10	Certain causes of mortality in early infancy.....760-769,2,769,4-772,774-778	6,297	6.5
...	All other causes.....Residual	112,700	116.6
...	All other, male—all causes.....	135,167	959.7
1	Diseases of heart.....390-398,402,404,410-429	38,587	273.8
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	28,041	184.9
3	Accidents.....E800-E949	11,013	78.2
...	Motor vehicle accidents.....E810-E823	4,798	34.1
...	All other accidents.....E800-E807,E825-E949	6,215	44.1
4	Cerebrovascular diseases.....430-438	10,209	72.5
5	Homicide.....E960-E978	7,409	52.6
6	Influenza and pneumonia.....470-474,480-486	4,218	29.9
7	Certain causes of mortality in early infancy.....760-769,2,769,4-772,774-778	3,960	28.1
8	Cirrhosis of liver.....571	3,280	23.3
9	Diabetes mellitus.....250	2,064	14.7
10	Suicide.....E950-E959	1,569	11.1
...	All other causes.....Residual	26,837	190.5
...	All other, female—all causes.....	102,899	664.5
1	Diseases of heart.....390-398,402,404,410-429	33,241	214.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	18,912	122.1
3	Cerebrovascular diseases.....430-438	11,620	75.0
4	Accidents.....E800-E949	4,156	26.8
...	Motor vehicle accidents.....E810-E823	1,639	10.6
...	All other accidents.....E800-E807,E825-E949	2,517	16.3
5	Diabetes mellitus.....250	3,478	22.5
6	Certain causes of mortality in early infancy.....760-769,2,769,4-772,774-778	3,043	19.7
7	Influenza and pneumonia.....470-474,480-486	2,669	17.2
8	Cirrhosis of liver.....571	1,909	12.3
9	Homicide.....E960-E978	1,823	11.8
10	Arteriosclerosis.....440	1,169	7.5
...	All other causes.....Residual	20,879	134.8

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**Table 5. DEATHS AND DEATH RATES FOR THE 10 LEADING CAUSES OF DEATH, BY SPECIFIED AGE GROUPS: UNITED STATES, 1977 AND 1978**  
 [Refers only to resident deaths occurring within the United States. Rates per 100,000 population]

Rank order in 1978	Cause of death and age (Eighth Revision International Classification of Diseases, Adapted, 1965)	1978		1977	
		Number	Rate	Number	Rate
...	1-4 years—all causes.....	8,429	69.2	8,307	68.8
1	Accidents.....E800-E949	3,504	28.8	3,297	27.3
...	Motor vehicle accidents.....E810-E823	1,287	10.6	1,219	10.1
...	All other accidents.....E800-E807,E825-E949	2,217	18.2	2,078	17.2
2	Congenital anomalies.....740-759	1,027	8.4	1,066	8.8
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	599	4.9	631	5.2
4	Influenza and pneumonia.....470-474,480-486	354	2.9	374	3.1
5	Homicide.....E960-E978	313	2.6	330	2.7
6	Diseases of heart.....390-398,402,404,410-429	279	2.3	234	1.9
7	Meningitis.....320	220	1.8	211	1.7
8	Meningococcal infections.....036	112	0.9	89	0.7
9	Cerebrovascular diseases.....430-438	100	0.8	99	0.8
10	Anemias.....280-285	78	0.6	53	0.4
...	All other causes.....Residual	1,843	15.1	1,923	15.9
...	5-14 years—all causes.....	12,030	33.9	12,579	34.6
1	Accidents.....E800-E949	6,118	17.2	6,305	17.3
...	Motor vehicle accidents.....E810-E823	3,130	8.8	3,142	8.6
...	All other accidents.....E800-E807,E825-E949	2,988	8.4	3,163	8.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	1,500	4.2	1,733	4.8
3	Congenital anomalies.....740-759	650	1.8	676	1.9
4	Homicide.....E960-E978	454	1.3	436	1.2
5	Diseases of heart.....390-398,402,404,410-429	357	1.0	311	0.9
6	Influenza and pneumonia.....470-474,480-486	304	0.9	344	0.9
7	Cerebrovascular diseases.....430-438	199	0.6	175	0.5
8	Suicide.....E950-E959	153	0.4	190	0.5
9	Anemias.....280-285	87	0.2	96	0.3
10	Benign neoplasms and neoplasms of unspecified nature.....210-239	83	0.2	99	0.3
...	All other causes.....Residual	2,125	6.0	2,214	6.1
...	15-24 years—all causes.....	48,500	117.5	47,986	117.1
1	Accidents.....E800-E949	26,622	64.5	25,619	62.5
...	Motor vehicle accidents.....E810-E823	19,164	46.4	18,092	44.1
...	All other accidents.....E800-E807,E825-E949	7,458	18.1	7,527	18.4
2	Homicide.....E960-E978	5,443	13.2	5,196	12.7
3	Suicide.....E950-E959	5,115	12.4	5,565	13.6
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	2,588	6.3	2,672	6.5
5	Diseases of heart.....390-398,402,404,410-429	1,098	2.7	1,035	2.5
6	Congenital anomalies.....740-759	648	1.6	651	1.6
7	Influenza and pneumonia.....470-474,480-486	553	1.3	522	1.3
8	Cerebrovascular diseases.....430-438	473	1.1	479	1.2
9	Diabetes mellitus.....250	140	0.3	156	0.4
10	Benign neoplasms and neoplasms of unspecified nature.....210-239	136	0.3	127	0.3
...	All other causes.....Residual	5,684	13.8	5,964	14.6
...	25-44 years—all causes.....	103,991	178.8	103,042	182.5
1	Accidents.....E800-E949	25,024	43.0	23,460	41.5
...	Motor vehicle accidents.....E810-E823	14,574	25.1	13,031	23.1
...	All other accidents.....E800-E807,E825-E949	10,450	18.0	10,429	18.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	16,866	29.0	16,753	29.7
3	Diseases of heart.....390-398,402,404,410-429	14,167	24.4	14,392	25.6
4	Suicide.....E950-E959	9,503	16.3	9,782	17.3
5	Homicide.....E960-E978	9,127	15.7	8,824	15.6
6	Cirrhosis of liver.....571	4,686	8.1	4,853	8.6
7	Cerebrovascular diseases.....430-438	3,286	5.7	3,439	6.1
8	Influenza and pneumonia.....470-474,480-486	1,804	3.1	1,695	3.0
9	Diabetes mellitus.....250	1,484	2.6	1,363	2.4
10	Congenital anomalies.....740-759	709	1.2	741	1.3
...	All other causes.....Residual	17,335	29.8	17,740	31.4

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Table 5. DEATHS AND DEATH RATES FOR THE 10 LEADING CAUSES OF DEATH, BY SPECIFIED AGE GROUPS: UNITED STATES, 1977 AND 1978--Con.

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

Rank order in 1978	Cause of death and age (Eighth Revision International Classification of Diseases, Adapted, 1965)	1978		1977	
		Number	Rate	Number	Rate
...	45-64 years--all causes.....	434,246	989.9	437,795	1,000.0
1	Diseases of heart.....390-398,402,404,410-429	151,564	345.5	153,652	351.0
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	134,115	305.7	132,514	302.7
3	Cerebrovascular diseases.....430-438	21,670	49.4	22,926	52.4
4	Accidents.....E800-E949	18,774	42.8	19,167	43.8
...	Motor vehicle accidents.....E810-E823	8,048	18.3	8,000	18.3
...	All other accidents.....E800-E807,E825-E949	10,726	24.5	11,167	25.5
5	Cirrhosis of liver.....571	16,449	37.5	17,166	39.2
6	Diabetes mellitus.....250	7,790	17.8	7,798	17.8
7	Suicide.....E950-E959	7,724	17.6	8,368	19.1
8	Influenza and pneumonia.....470-474,480-486	7,269	16.6	6,691	15.3
9	Bronchitis, emphysema, and asthma.....490-493	5,243	12.0	5,357	12.2
10	Homicide.....E960-E978	3,696	8.4	3,783	8.6
...	All other causes.....Residual	59,952	136.7	60,373	137.9
...	65 years and over--all causes.....	1,273,882	5,293.5	1,242,344	5,288.1
1	Diseases of heart.....390-398,402,404,410-429	560,983	2,331.1	548,352	2,334.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-209	241,142	1,002.0	232,226	988.5
3	Cerebrovascular diseases.....430-438	149,695	622.0	154,623	658.2
4	Influenza and pneumonia.....470-474,480-486	46,487	193.2	39,871	169.7
5	Arteriosclerosis.....440	27,670	115.0	27,371	116.5
6	Diabetes mellitus.....250	24,372	101.3	23,599	100.5
7	Accidents.....E800-E949	24,135	100.3	24,092	102.5
...	Motor vehicle accidents.....E810-E823	5,905	24.5	5,750	24.5
...	All other accidents.....E800-E807,E825-E949	18,230	75.8	18,342	78.1
8	Bronchitis, emphysema, and asthma.....490-493	15,912	66.1	16,288	69.3
9	Cirrhosis of liver.....571	8,738	36.3	8,622	36.7
10	Nephritis and nephrosis.....580-584	6,158	25.6	5,834	24.8
...	All other causes.....Residual	169,590	700.6	161,466	687.3



# MONTHLY VITAL STATISTICS REPORT

**Table 6. DEATHS UNDER 1 YEAR AND INFANT MORTALITY RATES FOR THE 10 LEADING CAUSES OF INFANT DEATH: UNITED STATES, 1977 AND 1978**  
 [Refers only to resident deaths occurring within the United States. Excludes fetal deaths. Rates per 100,000 live births]

Rank order in 1978	Cause of death (Eighth Revision International Classification of Diseases, Adapted, 1965)	1978		1977	
		Number	Rate	Number	Rate
...	All causes.....	45,945	1,378.4	46,975	1,412.1
1	Congenital anomalies.....740-759	8,404	252.1	8,420	253.1
2	Immaturity, unqualified.....777	3,677	110.3	3,714	111.6
3	Respiratory distress syndrome.....776.2	3,324	99.7	3,586	107.8
4	Asphyxia of newborn, unspecified.....776.9	2,955	88.7	3,271	98.3
5	Hyaline membrane disease.....776.1	2,667	80.0	3,012	90.5
6	Birth injury without mention of cause.....772	1,851	55.5	1,738	52.2
7	Influenza and pneumonia.....470-474,480-486	1,533	46.0	1,682	50.6
8	Accidents.....E800-E949	1,262	37.9	1,173	35.3
9	Septicemia.....038	1,093	32.8	1,087	32.7
10	Conditions of placenta.....770	768	23.0	868	26.1
...	All other causes.....Residual	18,411	552.3	18,424	553.8



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Table 7. DEATH RATES FOR SELECTED CAUSES OF DEATH, BY AGE: UNITED STATES, 1968, 1977, AND 1978—Con.

[Refers only to resident deaths occurring 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 <sup>1</sup>	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
<b>Malignant neoplasms—con.</b>													
Other neoplasms of lymphatic and hematopoietic tissues.....200-203,208,209	1978	9.9	0.3	0.2	0.4	1.1	2.1	3.4	8.6	21.6	42.9	74.0	68.9
	1977	9.7	0.2	0.2	0.5	1.1	2.1	3.3	8.8	22.0	42.1	71.2	65.9
	1968	8.9	0.3	0.4	0.7	1.9	3.1	4.9	10.6	21.5	39.5	54.4	48.0
Cerebrovascular diseases.....430-438	1978	80.5	5.5	0.8	0.6	1.1	2.7	9.8	27.4	74.1	243.6	910.2	2,281.6
	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
	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	1978	48.4	39.4	28.8	17.2	64.5	45.9	39.0	39.6	46.4	60.7	129.4	276.8
	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
	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	1978	24.0	8.2	10.6	8.8	46.4	28.5	20.2	18.0	18.8	21.5	31.2	24.0
	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
	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	1978	24.4	31.2	18.2	8.4	18.1	17.4	18.8	21.6	27.7	39.2	98.3	252.8
	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
	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	1978	26.7	47.9	2.9	0.9	1.3	2.2	4.4	10.0	24.0	65.8	262.1	839.8
	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
	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	1978	15.5	0.2	0.1	0.1	0.3	1.7	3.8	9.6	26.9	64.5	145.5	211.9
	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
	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	1978	13.8	0.8	0.1	0.0	0.3	3.5	14.4	32.1	43.5	41.6	30.8	18.0
	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
	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	1978	13.3	0.0	-	-	0.0	0.0	0.2	0.9	4.8	24.3	143.9	638.4
	1977	13.3	-	-	0.0	0.0	0.0	0.2	1.1	5.3	25.4	146.0	659.2
	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	1978	12.5	...	...	0.4	12.4	16.7	15.8	17.1	18.1	18.8	22.6	18.6
	1977	13.3	...	...	0.5	13.6	17.7	16.8	18.9	19.4	20.1	21.5	17.3
	1968	10.7	...	...	0.3	7.1	12.0	16.1	19.7	21.5	19.0	21.3	22.1
Certain causes of mortality in early infancy.....760-769,2,769.4-772,774-778	1978	10.1	686.5	0.2	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
	1977	10.8	738.6	0.3	0.0	-	-	-	-	0.0	-	-	-
	1968	22.0	1,298.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
Bronchitis, emphysema, and asthma.....490-493	1978	10.0	2.1	0.4	0.2	0.3	0.4	1.1	5.0	19.7	51.2	90.9	89.5
	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
	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-E978	1978	9.4	5.0	2.6	1.3	13.2	16.9	14.0	9.9	6.7	5.0	4.7	4.4
	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
	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
Congenital anomalies.....740-759	1978	5.9	262.4	8.4	1.8	1.6	1.2	1.2	1.6	2.2	2.4	3.3	3.5
	1977	6.0	266.3	8.8	1.9	1.6	1.3	1.3	1.6	2.1	2.4	2.6	3.7
	1968	8.4	328.3	9.8	2.5	2.1	1.8	1.8	2.6	3.0	2.8	3.5	5.3
Nephritis and nephrosis.....580-584	1978	4.1	1.9	0.2	0.1	0.3	0.6	1.1	2.8	6.6	15.1	36.4	62.6
	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
	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	1978	3.6	34.1	0.5	0.1	0.2	0.4	0.9	2.0	4.9	10.3	28.1	54.5
	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
	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

<sup>1</sup>Figures for age not stated are included in "Total" but not distributed among age groups.

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

Table 8. DEATHS FROM 69 SELECTED  
[Refers only to resident deaths occurring within

Cause of death (Eighth Revision International Classification of Diseases, Adapted, 1965)		Total	Under 1 year
1	All causes .....	1,927,788	45,945
2	Bacillary dysentery and amebiasis .....	34	3
3	Enteritis and other diarrheal diseases.....	1,874	733
4	Tuberculosis, all forms .....	2,914	9
5	Tuberculosis of respiratory system.....	2,256	5
6	Tuberculosis, other forms .....	658	4
7	Whooping cough .....	6	5
8	Streptococcal sore throat and scarlet fever .....	5	-
9	Meningococcal infections .....	403	97
10	Septicemia .....	7,800	1,093
11	Acute poliomyelitis .....	13	1
12	Measles .....	11	1
13	Syphilis and its sequelae .....	169	6
14	Other infective and parasitic diseases.....	4,813	320
15	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues .....	396,992	132
16	Malignant neoplasms of buccal cavity and pharynx .....	8,341	1
17	Malignant neoplasms of digestive organs and peritoneum .....	105,427	6
18	Malignant neoplasms of respiratory system .....	99,898	4
19	Malignant neoplasm of breast .....	34,609	4
20	Malignant neoplasms of genital organs .....	45,131	-
21	Malignant neoplasms of urinary organs .....	180-187	9
22	Malignant neoplasms of all other and unspecified sites .....	188,189	61
23	Leukemia .....	48,943	37
24	Other neoplasms of lymphatic and hematopoietic tissues .....	204-207	10
25	Other neoplasms of lymphatic and hematopoietic tissues .....	200-203,208,209	
25	Benign neoplasms and neoplasms of unspecified nature .....	4,963	57
26	Diabetes mellitus .....	33,841	8
27	Avitaminoses and other nutritional deficiencies .....	260-269	69
28	Anemias .....	3,300	23
29	Meningitis .....	320	532
30	Major cardiovascular diseases .....	966,120	1,058
31	Diseases of heart .....	729,510	843
32	Active rheumatic fever and chronic rheumatic heart disease .....	390-398	3
33	Hypertensive heart disease .....	13,402	1
34	Hypertensive heart and renal disease .....	7,087	3
35	Ischemic heart disease .....	3,249	12
36	Acute myocardial infarction .....	410-413	11
37	Other acute and subacute forms of ischemic heart disease .....	410	-
38	Chronic ischemic heart disease .....	302,664	1
39	Angina pectoris .....	411	-
40	Chronic disease of endocardium and other myocardial insufficiency .....	412	24
41	All other forms of heart disease .....	413	800
42	Hypertension .....	424,428	1
43	Cerebrovascular diseases .....	420-423,425-427,429	175
44	Cerebral hemorrhage .....	400,401,403	116
45	Cerebral thrombosis .....	430-438	7
46	Cerebral embolism .....	431	-
47	All other cerebrovascular diseases .....	433	52
48	Arteriosclerosis .....	434	1
49	Other diseases of arteries, arterioles, and capillaries .....	430,432,435-438	38
50	Acute bronchitis and bronchiolitis.....	440	94
51	Influenza and pneumonia .....	441-448	1,533
52	Influenza .....	466	34
53	Pneumonia .....	470-474,480-486	1,499
54	Bronchitis, emphysema, and asthma .....	480-486	68
55	Chronic and unqualified bronchitis .....	490-493	55
56	Emphysema .....	490,491	8
57	Asthma .....	492	5
58	Peptic ulcer .....	493	24
59	Peptic ulcer .....	531-533	5
60	Appendicitis.....	540-543	495
61	Hernia and intestinal obstruction .....	543	27
62	Cirrhosis of liver .....	550-553,560	4
63	Cholelithiasis, cholecystitis and cholangitis .....	571	62
64	Nephritis and nephrosis .....	574,575	56
65	Acute nephritis and nephrotic syndrome .....	580-584	6
66	Chronic and unqualified nephritis and renal sclerosis .....	580,581	
67	Chronic and unqualified nephritis and renal sclerosis .....	582-584	
66	Infections of kidney .....	590	6
67	Hyperplasia of prostate .....	590	-
68	Complications of pregnancy, childbirth, and the puerperium .....	600	-
69	Abortions .....	630-678	-
70	Other complications of pregnancy, childbirth, and the puerperium .....	640-645	-
71	Other complications of pregnancy, childbirth, and the puerperium .....	630-639,650-678	-
71	Congenital anomalies .....	735	8,404
72	Certain causes of mortality in early infancy .....	5,568	21,987
73	Birth injury, difficult labor, and other anoxic and hypoxic conditions .....	571	11,675
74	Other causes of mortality in early infancy .....	574,575	10,312
75	Symptoms and ill-defined conditions .....	580-584	5,713
76	All other diseases .....	580,581	1,869
77	All other diseases .....	582-584	
77	Accidents .....	780-796	1,262
78	Motor vehicle accidents .....	Residual	264
79	All other accidents .....	740-759	998
80	Suicide .....	760-769,2,769,4-772,774-778	..
81	Homicide .....	764-768,772,776	161
82	Other external causes .....	760-769,2,769,4-772,774-778	84

# MONTHLY VITAL STATISTICS REPORT

**CAUSES, BY AGE: UNITED STATES, 1978**  
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	
8,429	12,030	48,500	45,822	58,169	141,395	292,851	452,259	497,326	324,297	765	1
6	2	1	3	1	2	3	7	3	3	-	2
55	17	17	29	33	48	116	227	314	284	1	3
10	7	28	69	126	344	580	747	654	339	1	4
4	3	20	44	103	268	463	565	495	286	-	5
6	4	8	25	23	76	117	182	159	53	1	6
-	-	1	-	-	-	-	-	-	-	-	7
1	1	1	-	-	-	1	-	-	1	-	8
112	46	47	14	16	19	17	18	12	5	-	9
65	42	93	134	210	459	1,011	1,543	1,942	1,202	6	10
-	-	1	1	3	1	5	1	-	-	-	11
1	5	1	1	1	-	1	-	-	-	-	12
-	-	-	-	5	9	23	70	44	12	-	13
113	133	262	292	307	501	724	950	774	434	3	14
599	1,500	2,588	4,795	12,071	42,767	91,348	119,623	89,520	31,999	50	15
3	7	34	61	233	1,267	2,438	2,447	1,361	488	1	16
21	25	139	551	2,018	8,523	21,440	32,826	28,539	11,323	16	17
3	9	46	302	2,455	13,116	29,429	33,965	17,060	3,498	11	18
-	-	26	561	2,120	6,125	9,105	8,445	5,803	2,416	4	19
28	11	252	587	1,227	3,524	7,928	13,258	12,984	5,348	10	20
28	48	33	79	275	1,276	3,359	5,432	4,953	2,082	-	21
290	550	919	1,330	2,222	5,730	10,918	13,152	9,977	3,790	4	22
224	700	696	624	685	1,212	2,252	3,695	3,722	1,533	1	23
28	150	443	700	836	1,594	4,469	6,403	5,121	1,521	3	24
37	83	136	151	218	476	911	1,318	1,098	478	-	25
9	33	140	564	920	2,227	5,563	9,629	10,069	4,674	5	26
16	11	21	33	34	94	210	410	916	1,040	1	27
78	87	122	136	90	178	326	583	955	721	1	28
220	78	58	61	53	88	141	156	120	53	-	29
392	584	1,704	3,970	14,350	51,739	128,500	232,793	303,803	226,962	265	30
279	357	1,098	2,798	11,369	43,679	107,885	183,880	220,824	156,279	219	31
17	30	126	240	526	1,308	2,748	4,038	3,152	1,212	2	32
2	-	9	52	167	493	1,113	1,806	2,102	1,342	-	33
-	1	4	20	20	75	240	643	1,143	1,098	2	34
4	20	138	1,395	8,735	37,027	94,014	162,537	197,939	140,252	197	35
4	12	92	844	5,396	22,773	56,267	89,595	86,243	41,367	60	36
-	3	1	18	120	433	841	1,127	945	595	7	37
-	5	44	532	3,214	13,802	36,859	71,751	110,674	98,251	130	38
-	-	1	1	5	19	47	64	77	39	-	39
20	35	76	106	141	302	546	841	1,046	934	1	40
236	271	745	985	1,780	4,474	9,224	14,015	15,442	11,441	17	41
1	1	17	49	140	292	615	1,169	1,791	1,413	1	42
100	199	473	902	2,384	6,348	15,322	36,390	62,974	50,331	31	43
20	60	165	295	820	2,141	3,790	5,580	6,274	3,367	5	44
7	7	28	38	153	659	2,506	7,682	15,057	12,564	4	45
1	-	5	10	27	89	178	267	177	177	-	46
72	132	277	563	1,401	3,521	8,937	22,950	41,376	34,223	22	47
-	-	3	6	40	220	892	3,632	9,955	14,083	8	48
12	27	113	215	417	1,200	3,686	7,722	8,259	4,896	6	49
33	9	16	20	26	39	65	143	160	151	-	50
354	304	553	741	1,063	2,309	4,960	9,827	18,133	18,527	15	51
18	19	36	29	41	116	259	602	1,333	1,564	1	52
336	285	517	712	1,022	2,193	4,701	9,225	16,800	16,963	14	53
49	63	130	141	265	1,163	4,080	7,652	6,286	1,974	4	54
32	21	24	37	43	193	738	1,395	1,267	570	1	55
2	2	5	13	110	757	2,974	5,807	4,672	1,274	3	56
15	40	101	91	112	213	368	450	347	130	-	57
5	8	30	64	147	405	898	1,437	1,603	920	4	58
16	32	33	21	20	63	105	180	171	89	-	59
29	18	48	50	103	240	560	1,048	1,696	1,276	5	60
16	13	122	1,180	3,506	7,453	8,996	6,209	2,132	397	15	61
-	2	7	19	42	140	264	719	999	745	-	62
24	31	104	205	262	654	1,366	2,259	2,517	1,382	2	63
11	4	18	30	44	94	278	530	654	353	1	64
13	27	86	175	218	560	1,088	1,729	1,863	1,029	1	65
3	6	8	27	45	118	266	626	1,098	893	-	66
-	-	-	1	-	-	-	28	163	289	-	67
-	3	117	146	53	2	-	-	-	-	-	68
-	-	6	7	3	-	-	-	-	-	-	69
-	3	111	139	50	2	-	-	-	-	-	70
1,027	650	648	413	296	381	445	365	231	77	31	71
24	3	2	3	1	1	-	1	-	-	11	72
22	1	1	2	1	1	-	1	-	-	6	73
2	2	1	1	-	-	-	-	-	-	5	74
293	152	818	1,203	1,335	2,420	4,119	5,569	5,291	4,343	68	75
910	1,279	2,626	3,473	5,247	11,059	22,055	35,072	35,413	18,382	41	76
3,504	6,118	26,622	15,533	9,491	9,174	9,600	9,072	8,956	6,107	122	77
1,287	3,130	19,164	9,648	4,926	4,166	3,882	3,217	2,158	530	39	78
2,217	2,988	7,458	5,885	4,565	5,008	5,718	5,855	6,798	5,577	83	79
...	153	5,115	5,650	3,853	3,976	3,748	2,812	1,961	410	16	80
313	454	5,443	5,721	3,406	2,307	1,389	745	324	98	71	81
115	103	837	958	570	539	427	285	158	60	27	82

## MONTHLY VITAL STATISTICS REPORT

Table 9. 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 <sup>1</sup>	Under 1 year
1	All causes .....	883.4	1,434.4
2	Bacillary dysentery and amebiasis .....004,006	0.0	0.1
3	Enteritis and other diarrheal diseases.....008,009	0.9	22.9
4	Tuberculosis, all forms .....010-019	1.3	0.3
5	Tuberculosis of respiratory system.....010-012	1.0	0.2
6	Tuberculosis, other forms .....013-019	0.3	0.1
7	Whooping cough .....033	0.0	0.2
8	Streptococcal sore throat and scarlet fever .....034	0.0	-
9	Meningococcal infections .....036	0.2	3.0
10	Septicemia .....038	3.6	34.1
11	Acute poliomyelitis .....040-043	0.0	0.0
12	Messes .....055	0.0	0.0
13	Syphilis and its sequelae .....090-097	0.1	0.2
14	Other infective and parasitic diseases.....Remainder of 000-136	2.2	10.0
15	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues .....140-209	181.9	4.1
16	Malignant neoplasms of buccal cavity and pharynx .....140-149	3.8	0.0
17	Malignant neoplasms of digestive organs and peritoneum .....150-159	48.3	0.2
18	Malignant neoplasms of respiratory system .....160-163	45.8	0.1
19	Malignant neoplasm of breast .....174	15.9	0.1
20	Malignant neoplasms of genital organs .....180-187	20.7	-
21	Malignant neoplasms of urinary organs .....188,189	8.1	0.3
22	Malignant neoplasms of all other and unspecified sites .....170-173,190-199	22.4	1.9
23	Leukemia .....204-207	7.1	1.2
24	Other neoplasms of lymphatic and hematopoietic tissues .....200-203,208,209	9.9	0.3
25	Benign neoplasms and neoplasms of unspecified nature .....210-239	2.3	1.8
26	Diabetes mellitus .....250	15.5	0.2
27	Avitaminoses and other nutritional deficiencies .....260-269	1.3	2.2
28	Anemias .....280-285	1.5	0.7
29	Meningitis .....320	0.7	16.6
30	Major cardiovascular diseases .....390-448	442.7	33.0
31	Diseases of heart .....390-398,402,404,410-429	334.3	26.3
32	Active rheumatic fever and chronic rheumatic heart disease .....390-398	6.1	0.1
33	Hypertensive heart disease .....402	3.2	0.0
34	Hypertensive heart and renal disease .....404	1.5	0.1
35	Ischemic heart disease .....410-413	294.3	0.4
36	Acute myocardial infarction .....410	138.7	0.3
37	Other acute and subacute forms of ischemic heart disease .....411	1.9	-
38	Chronic ischemic heart disease .....412	153.5	0.0
39	Angina pectoris .....413	0.1	-
40	Chronic disease of endocardium and other myocardial insufficiency .....424,428	1.9	0.7
41	All other forms of heart disease .....420-423,425-427,429	27.2	25.0
42	Hypertension .....400,401,403	2.5	0.0
43	Cerebrovascular diseases .....430-438	80.5	5.5
44	Cerebral hemorrhage .....431	10.4	3.6
45	Cerebral thrombosis .....433	17.7	0.2
46	Cerebral embolism .....434	0.3	-
47	All other cerebrovascular diseases .....430,432,435-438	52.0	1.6
48	Arteriosclerosis .....440	13.3	0.0
49	Other diseases of arteries, arterioles, and capillaries .....441-448	12.2	1.2
50	Acute bronchitis and bronchiolitis.....466	0.3	2.9
51	Influenza and pneumonia .....470-474,480-486	26.7	47.9
52	Influenza .....470-474	1.9	1.1
53	Pneumonia .....480-486	24.9	46.8
54	Bronchitis, emphysema, and asthma .....490-493	10.0	2.1
55	Chronic and unqualified bronchitis.....490,491	2.0	1.7
56	Emphysema .....492	7.2	0.2
57	Asthma .....493	0.9	0.2
58	Peptic ulcer .....531-533	2.5	0.7
59	Appendicitis .....540-543	0.3	0.2
60	Hernia and intestinal obstruction .....550-553,560	2.6	15.5
61	Cirrhosis of liver .....571	13.8	0.8
62	Cholelithiasis, cholecystitis and cholangitis .....574,575	1.3	0.1
63	Nephritis and nephrosis .....580-584	4.1	1.9
64	Acute nephritis and nephrotic syndrome .....580,581	0.9	1.7
65	Chronic and unqualified nephritis and renal sclerosis .....582-584	3.1	0.2
66	Infections of kidney .....590	1.4	0.2
67	Hyperplasia of prostate .....600	0.4	-
68	Complications of pregnancy, childbirth, and the puerperium .....630-678	0.1	-
69	Abortions .....640-645	0.0	-
70	Other complications of pregnancy, childbirth, and the puerperium .....630-639,650-678	0.1	-
71	Congenital anomalies .....740-769	5.9	262.4
72	Certain causes of mortality in early infancy .....760-769,2,769,4-772,774-778	10.1	686.5
73	Birth injury, difficult labor, and other anoxic and hypoxic conditions .....764-768,772,776	5.4	364.5
74	Other causes of mortality in early infancy .....Remainder of 760-778	4.7	321.9
75	Symptoms and ill-defined conditions .....780-796	14.4	178.4
76	All other diseases .....Residual	63.0	58.4
77	Accidents .....E800-E949	48.4	39.4
78	Motor vehicle accidents .....E810-E823	24.0	8.2
79	All other accidents .....E800-E807,E825-E949	24.4	31.2
80	Suicide .....E950-E959	12.5	-
81	Homicide .....E960-E978	9.4	5.0
82	Other external causes .....E980-E999	1.9	2.6

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

# MONTHLY VITAL STATISTICS REPORT

**CAUSES, BY AGE: UNITED STATES, 1978**

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	
69.2	33.9	117.5	135.5	238.9	609.7	1,416.3	3,027.2	7,187.8	14,700.7	1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2
0.5	0.0	0.0	0.1	0.1	0.2	0.6	1.5	4.5	12.9	3
0.1	0.0	0.1	0.2	0.5	1.1	2.8	5.0	9.5	15.4	4
0.0	0.0	0.0	0.1	0.4	1.2	2.2	3.8	7.2	13.0	5
0.0	0.0	0.0	0.1	0.1	0.3	0.6	1.2	2.3	2.4	6
-	-	0.0	-	-	-	-	-	-	-	7
0.0	0.0	0.0	-	-	-	0.0	-	-	0.0	8
0.9	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.2	9
0.5	0.1	0.2	0.4	0.9	2.0	4.9	10.3	28.1	54.5	10
-	-	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	-	-	-	12
-	-	-	-	0.0	0.0	0.1	0.5	0.6	0.5	13
0.9	0.4	0.6	0.9	1.3	2.2	3.5	6.4	11.2	19.7	14
4.9	4.2	6.3	14.2	49.6	184.4	441.8	800.7	1,293.8	1,450.5	15
0.0	0.0	0.1	0.2	1.0	5.5	11.8	16.4	19.7	22.1	16
0.2	0.1	0.3	1.6	8.3	36.8	103.7	219.7	412.5	513.3	17
0.0	0.0	0.1	0.9	10.1	56.6	142.3	227.3	246.6	158.6	18
-	-	0.1	1.7	8.7	26.4	44.0	56.5	85.9	109.5	19
0.0	0.0	0.6	1.7	5.0	15.2	38.3	68.7	187.7	242.4	20
0.2	0.1	0.1	0.2	1.1	5.5	16.2	36.4	71.6	94.4	21
2.4	1.5	2.2	3.9	9.1	24.7	52.8	88.0	144.2	171.8	22
1.8	2.0	1.7	1.8	2.8	5.2	10.3	24.7	53.8	69.5	23
0.2	0.4	1.1	2.1	3.4	8.6	21.6	42.9	74.0	68.9	24
0.3	0.2	0.3	0.4	0.9	2.1	4.4	8.8	15.9	21.7	25
0.1	0.1	0.3	1.7	3.8	9.6	26.9	64.5	145.5	211.9	26
0.1	0.0	0.1	0.1	0.1	0.4	1.0	1.2	1.2	47.1	27
0.6	0.2	0.3	0.4	0.4	0.8	1.6	3.9	13.8	32.7	28
1.8	0.2	0.1	0.2	0.2	0.4	0.7	1.0	1.7	2.4	29
3.2	1.6	4.1	11.7	58.9	223.1	621.5	1,588.2	4,380.9	10,288.4	30
2.3	1.0	2.7	8.3	46.7	188.3	521.8	1,230.8	3,191.6	7,084.3	31
0.1	0.1	0.3	0.7	2.2	5.6	13.3	27.0	45.6	54.9	32
0.0	-	0.0	0.2	0.7	2.1	5.4	12.1	30.4	60.8	33
-	0.0	0.0	0.1	0.1	0.3	1.2	4.3	16.5	49.8	34
0.0	0.1	0.3	4.1	35.9	159.7	454.7	1,087.9	2,860.8	6,357.8	35
0.0	0.0	0.2	2.5	22.2	98.2	272.1	599.7	1,246.5	1,875.2	36
-	0.0	0.0	0.1	0.5	1.3	4.1	7.5	13.7	27.0	37
-	0.0	0.1	1.6	13.2	59.5	178.3	480.3	1,599.6	4,453.8	38
-	-	0.0	0.0	0.0	0.1	0.2	0.4	1.1	1.8	39
0.2	0.1	0.2	0.3	0.6	1.3	2.6	5.6	15.1	42.3	40
1.9	0.8	1.8	2.9	7.3	19.1	44.6	93.8	223.2	518.6	41
0.0	0.0	0.0	0.1	0.6	1.3	3.0	7.8	25.9	64.1	42
0.8	0.6	1.1	2.7	9.8	27.1	74.1	243.6	910.2	2,281.6	43
0.2	0.2	0.4	0.9	3.4	9.2	18.3	37.3	90.7	152.6	44
0.1	0.0	0.1	0.1	0.6	2.3	12.1	51.4	217.6	569.5	45
0.0	0.0	0.0	0.0	0.1	0.1	0.4	1.2	3.9	8.0	46
0.6	0.4	0.7	1.7	5.8	15.2	43.2	153.6	598.0	1,551.4	47
-	-	0.0	0.0	0.2	0.3	0.8	24.3	143.9	638.4	48
0.1	0.1	0.3	0.6	1.7	5.2	17.8	51.7	119.4	220.1	49
0.3	0.0	0.0	0.1	0.1	0.2	0.3	1.0	2.3	6.8	50
2.9	0.9	1.3	2.2	4.4	10.0	24.0	65.8	262.1	839.8	51
0.1	0.1	0.1	0.1	0.2	0.5	1.3	4.0	19.3	70.9	52
2.8	0.8	1.3	2.1	4.2	9.5	22.7	61.7	242.8	768.9	53
0.4	0.2	0.3	0.4	1.1	5.0	19.7	51.2	90.9	89.5	54
0.3	0.1	0.1	0.1	0.2	0.8	3.6	9.3	18.3	25.8	55
0.0	0.0	0.0	0.0	0.5	3.3	14.4	38.9	67.5	57.8	56
0.1	0.1	0.2	0.3	0.5	0.9	1.8	3.0	5.0	5.9	57
0.0	0.0	0.1	0.2	0.6	1.7	4.3	9.6	23.2	41.7	58
0.1	0.1	0.1	0.1	0.1	0.3	0.5	1.2	2.5	4.0	59
0.2	0.1	0.1	0.1	0.4	1.0	2.7	7.0	24.5	57.8	60
0.1	0.0	0.3	3.5	14.4	32.1	43.5	41.6	30.8	18.0	61
-	0.0	0.0	0.1	0.2	0.6	1.3	4.8	14.4	33.8	62
0.2	0.1	0.3	0.6	1.1	2.8	6.6	15.1	36.4	62.6	63
0.1	0.0	0.0	0.1	0.2	0.4	1.3	3.5	9.5	16.0	64
0.1	0.1	0.2	0.5	0.9	2.4	5.3	11.6	26.9	46.6	65
0.0	0.0	0.0	0.1	0.2	0.5	1.3	4.2	15.9	40.5	66
-	-	-	0.0	0.0	0.0	0.1	1.1	5.4	13.1	67
-	0.0	0.3	0.4	0.2	0.4	-	-	-	-	68
-	0.0	0.0	0.0	0.0	-	-	-	-	-	69
-	0.0	0.3	0.4	0.2	0.0	-	-	-	-	70
8.4	1.8	1.6	1.2	1.2	1.6	2.2	2.4	3.3	3.5	71
0.2	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	72
0.2	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	73
0.0	0.0	0.0	0.0	-	-	-	-	-	-	74
2.4	0.4	2.0	3.6	5.5	10.4	19.9	37.3	76.5	196.9	75
7.5	3.6	6.4	10.3	21.6	47.7	106.7	234.8	511.8	831.9	76
28.8	17.2	64.5	45.9	39.0	39.6	46.4	60.7	129.4	276.8	77
10.6	8.8	46.4	28.5	20.2	18.0	18.8	21.5	31.2	24.0	78
18.2	8.4	18.1	17.4	18.8	21.6	27.7	39.2	98.3	252.8	79
...	0.4	12.4	16.7	15.8	17.1	18.1	18.8	22.6	18.6	80
2.6	1.3	13.2	16.9	14.0	9.9	6.7	5.0	4.7	4.4	81
0.9	0.3	2.0	2.8	2.3	2.3	2.1	1.9	2.3	2.7	82

## MONTHLY VITAL STATISTICS REPORT

Table 10. DEATHS 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 .....	1,927,788	883.4	1,055,290	994.4	
2 Bacillary dysentery and amebiasis .....	34	0.0	21	0.0	
3 Enteritis and other diarrheal diseases .....	1,874	0.9	904	0.9	
4 Tuberculosis, all forms .....	2,914	1.3	1,928	1.8	
5 Tuberculosis of respiratory system .....	2,256	1.0	1,548	1.5	
6 Tuberculosis, other forms .....	658	0.3	380	0.4	
7 Whooping cough .....	6	0.0	3	0.0	
8 Streptococcal sore throat and scarlet fever .....	5	0.0	4	0.0	
9 Meningococcal infections .....	403	0.2	212	0.2	
10 Septicemia .....	7,800	3.6	4,060	3.8	
11 Acute poliomyelitis .....	13	0.0	9	0.0	
12 Measles .....	11	0.0	4	0.0	
13 Syphilis and its sequelae .....	169	0.1	88	0.1	
14 Other infective and parasitic diseases .....	4,813	2.2	2,426	2.3	
15 Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues .....	396,992	181.9	215,997	203.5	
16 Malignant neoplasms of buccal cavity and pharynx .....	8,341	3.8	5,821	5.5	
17 Malignant neoplasms of digestive organs and peritoneum .....	105,427	48.3	55,215	52.0	
18 Malignant neoplasms of respiratory system .....	99,898	45.8	74,772	70.5	
19 Malignant neoplasm of breast .....	34,609	15.9	280	0.3	
20 Malignant neoplasms of genital organs .....	45,131	20.7	22,480	21.2	
21 Malignant neoplasms of urinary organs .....	188,189	8.1	11,580	10.9	
22 Malignant neoplasms of all other and unspecified sites .....	48,943	22.4	25,706	24.2	
23 Leukemia .....	15,391	7.1	8,683	8.2	
24 Other neoplasms of lymphatic and hematopoietic tissues .....	21,678	9.9	11,460	10.8	
25 Benign neoplasms and neoplasms of unspecified nature .....	4,963	2.3	2,340	2.2	
26 Diabetes mellitus .....	33,841	15.5	13,910	13.1	
27 Avitaminoses and other nutritional deficiencies .....	2,855	1.3	1,161	1.1	
28 Anemias .....	3,300	1.5	1,487	1.4	
29 Meningitis .....	1,560	0.7	864	0.8	
30 Major cardiovascular diseases .....	966,120	442.7	501,743	472.8	
31 Diseases of heart .....	729,510	334.3	399,267	375.3	
32 Active rheumatic fever and chronic rheumatic heart disease .....	13,402	6.1	5,814	5.5	
33 Hypertensive heart disease .....	7,087	3.2	2,920	2.8	
34 Hypertensive heart and renal disease .....	3,249	1.5	1,458	1.4	
35 Ischemic heart disease .....	642,270	294.3	353,669	333.3	
36 Acute myocardial infarction .....	302,664	138.7	184,121	173.5	
37 Other acute and subacute forms of ischemic heart disease .....	4,090	1.9	2,623	2.5	
38 Chronic ischemic heart disease .....	335,263	153.6	166,788	157.2	
39 Angina pectoris .....	253	0.1	137	0.1	
40 Chronic disease of endocardium and other myocardial insufficiency .....	4,072	1.9	2,003	1.9	
41 All other forms of heart disease .....	59,430	27.2	32,403	30.5	
42 Hypertension .....	5,490	2.5	2,585	2.4	
43 Cerebrovascular diseases .....	175,629	80.5	73,648	69.4	
44 Cerebral hemorrhage .....	22,633	10.4	10,218	9.6	
45 Cerebral thrombosis .....	38,710	17.7	15,942	15.0	
46 Cerebral embolism .....	760	0.3	333	0.3	
47 All other cerebrovascular diseases .....	113,526	52.0	47,155	44.4	
48 Arteriosclerosis .....	28,940	13.3	11,541	10.9	
49 Other diseases of arteries, arterioles, and capillaries .....	26,951	12.2	15,702	14.8	
50 Acute bronchitis and bronchiolitis .....	756	0.3	417	0.4	
51 Influenza and pneumonia .....	58,319	26.7	30,796	29.0	
52 Influenza .....	4,052	1.9	1,666	1.6	
53 Pneumonia .....	54,267	24.9	29,130	27.5	
54 Bronchitis, emphysema, and asthma .....	21,875	10.0	15,255	14.4	
55 Chronic and unqualified bronchitis .....	4,376	2.0	2,763	2.6	
56 Emphysema .....	15,627	7.2	11,755	11.1	
57 Asthma .....	1,872	0.9	737	0.7	
58 Peptic ulcer .....	5,545	2.5	3,233	3.0	
59 Appendicitis .....	735	0.3	412	0.4	
60 Hernia and intestinal obstruction .....	5,568	2.6	2,354	2.2	
61 Cirrhosis of liver .....	30,066	13.8	19,693	18.6	
62 Cholelithiasis, cholecystitis and cholangitis .....	2,941	1.3	1,314	1.2	
63 Nephritis and nephrosis .....	8,868	4.1	4,765	4.5	
64 Acute nephritis and nephrotic syndrome .....	2,073	0.9	1,131	1.1	
65 Chronic and unqualified nephritis and renal sclerosis .....	6,795	3.1	3,634	3.4	
66 Infections of kidney .....	3,096	1.4	1,250	1.2	
67 Hyperplasia of prostate .....	854	0.4	854	0.8	
68 Complications of pregnancy, childbirth, and the puerperium .....	321	0.1	...	...	
69 Abortions .....	16	0.0	...	...	
70 Other complications of pregnancy, childbirth, and the puerperium .....	305	0.1	...	...	
71 Congenital anomalies .....	12,968	5.9	6,902	6.5	
72 Certain causes of mortality in early infancy .....	760-769, 2,769, 4,772, 774-778	22,033	10.1	12,693	12.0
73 Birth injury, difficult labor, and other anoxic and hypoxic conditions .....	764-766, 772, 776	11,710	5.4	6,962	6.6
74 Other causes of mortality in early infancy .....	Remainder of 760-778	10,323	4.7	6,711	5.4
75 Symptoms and ill-defined conditions .....	780-796	31,324	14.4	17,998	17.0
76 All other diseases .....	Residual	137,396	63.0	77,426	73.0
77 Accidents .....	E800-E849	105,561	48.4	73,881	69.6
78 Motor vehicle accidents .....	E810-E823	52,411	24.0	38,139	35.9
79 All other accidents .....	E800-E807, E825-E849	53,150	24.4	35,742	33.7
80 Suicide .....	E950-E959	27,294	12.5	20,188	19.0
81 Homicide .....	E960-E978	20,432	9.4	15,838	14.9
82 Other external causes .....	E980-E999	4,163	1.9	2,870	2.7



# MONTHLY VITAL STATISTICS REPORT

## CAUSES, BY COLOR AND SEX: UNITED STATES, 1978

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	
872,498	778.3	1,689,722	895.7	920,123	999.8	769,599	796.5	238,066	805.1	135,167	959.7	102,899	664.5	1
13	0.0	22	0.0	13	0.0	9	0.0	12	0.0	8	0.1	4	0.0	2
970	0.9	1,360	0.7	631	0.7	729	0.8	514	1.7	273	1.9	241	1.6	3
986	0.9	2,036	1.1	1,318	1.4	718	0.7	878	3.0	610	4.3	268	1.7	4
708	0.6	1,566	0.8	1,046	1.1	690	0.5	690	2.3	502	3.6	188	1.2	5
278	0.2	470	0.2	272	0.3	198	0.2	188	0.6	108	0.8	80	0.5	6
3	0.0	3	0.0	1	0.0	2	0.0	3	0.0	2	0.0	1	0.0	7
1	0.0	5	0.0	4	0.0	1	0.0	-	-	-	-	-	-	8
191	0.2	323	0.2	174	0.2	149	0.2	80	0.3	38	0.3	42	0.3	9
3,750	3.3	6,071	3.2	3,150	3.4	2,921	3.0	1,729	5.8	900	6.4	829	5.4	10
4	0.0	13	0.0	9	0.0	4	0.0	-	-	-	-	-	-	11
7	0.0	9	0.0	3	0.0	6	0.0	2	0.0	1	0.0	1	0.0	12
81	0.1	98	0.1	53	0.1	45	0.0	71	0.2	35	0.2	36	0.2	13
2,387	2.1	3,861	2.0	1,945	2.1	1,916	2.0	952	3.2	481	3.4	471	3.0	14
180,995	161.4	352,039	186.6	189,955	206.4	162,083	167.7	44,953	152.0	26,041	184.9	18,912	122.1	15
2,520	2.2	7,161	3.8	4,935	5.4	2,226	2.3	1,180	4.0	858	6.3	294	1.9	16
50,212	44.8	92,555	49.3	49,195	52.4	44,780	46.3	12,472	42.2	7,020	49.8	5,452	35.7	17
25,126	22.4	89,752	47.0	65,973	71.7	22,779	23.6	11,146	37.7	8,799	62.5	2,347	15.2	18
34,229	30.6	31,285	16.6	239	0.3	31,046	32.1	3,324	11.2	41	0.3	3,283	21.2	19
22,651	20.2	38,616	20.5	18,925	20.6	19,691	20.4	6,515	22.0	3,555	25.2	2,960	19.1	20
5,994	5.3	16,098	8.5	10,665	11.6	5,433	5.6	1,476	5.0	915	6.5	561	3.6	21
23,227	20.7	43,487	23.1	22,786	24.8	20,701	21.4	5,456	18.5	2,920	20.7	2,536	16.4	22
6,708	6.0	14,059	7.5	7,909	8.6	6,150	6.4	1,332	4.5	774	5.5	558	3.6	23
10,218	9.1	19,626	10.4	10,329	11.2	9,297	9.6	2,052	6.9	1,131	8.0	921	5.9	24
2,623	2.3	4,364	2.3	2,067	2.2	2,297	2.4	599	2.0	273	1.9	326	2.1	25
19,931	17.8	28,299	15.0	11,846	12.9	16,453	17.0	5,542	18.7	2,064	14.7	3,478	22.5	26
1,694	1.5	2,418	1.3	952	1.0	1,466	1.5	437	1.5	209	1.5	228	1.5	27
1,813	1.6	2,632	1.4	1,171	1.3	1,461	1.5	668	2.3	316	2.2	352	2.3	28
696	0.6	1,128	0.6	629	0.7	499	0.5	432	1.5	235	1.7	197	1.3	29
464,377	414.2	866,914	459.5	450,248	489.2	416,666	431.2	99,206	335.5	51,495	365.6	47,711	308.1	30
331,243	295.5	657,702	348.6	359,700	390.8	298,002	308.4	71,808	242.8	38,567	273.8	33,241	214.7	31
7,588	6.8	12,222	6.5	5,284	5.7	6,938	7.2	1,180	4.0	530	3.8	650	4.2	32
4,167	3.7	5,507	2.9	2,192	2.4	3,315	3.4	1,580	5.3	728	5.2	852	5.5	33
1,791	1.6	2,744	1.5	1,213	1.3	1,531	1.6	505	1.7	245	1.7	260	1.7	34
288,601	257.4	583,974	309.5	322,161	350.0	261,813	2,700.0	58,296	197.1	31,508	223.7	26,788	173.0	35
118,543	105.7	279,770	148.3	171,122	185.9	108,648	112.4	22,894	77.4	12,999	92.3	9,595	63.9	36
1,467	1.3	3,534	1.9	2,265	2.5	1,269	1.3	556	1.9	359	2.5	198	1.3	37
168,475	150.3	300,447	159.3	148,655	161.5	151,792	157.1	34,816	117.7	18,133	128.7	16,683	107.7	38
116	0.1	223	0.1	119	0.1	104	0.1	30	0.1	18	0.1	12	0.1	39
2,069	1.8	3,538	1.9	1,712	1.9	1,826	1.9	534	1.8	291	2.1	243	1.6	40
27,027	24.1	49,717	26.4	27,138	29.5	22,579	23.4	9,713	32.8	5,265	37.4	4,448	28.7	41
2,905	2.6	4,410	2.3	2,055	2.2	2,355	2.4	1,080	3.7	530	3.8	550	3.6	42
101,981	91.0	153,800	81.5	63,439	68.9	90,361	93.5	21,829	73.8	10,209	72.5	11,620	75.0	43
12,415	11.1	18,980	10.1	8,341	9.1	10,639	11.0	3,653	12.4	1,877	13.3	1,776	11.5	44
22,768	20.3	34,730	18.4	14,081	15.3	20,649	21.4	3,980	13.5	1,661	13.2	2,119	13.7	45
427	0.4	703	0.4	302	0.3	401	0.4	57	0.2	31	0.2	26	0.2	46
66,371	59.2	99,387	52.7	40,715	44.2	58,672	60.7	14,139	47.8	6,440	45.7	7,699	49.7	47
17,399	15.5	26,813	14.2	10,583	11.5	16,230	16.8	2,127	7.2	958	6.8	1,169	7.5	48
10,849	9.7	24,189	12.8	14,471	15.7	9,718	10.1	2,362	8.0	1,231	8.7	1,131	7.3	49
339	0.3	661	0.4	352	0.4	309	0.3	95	0.3	65	0.5	30	0.2	50
27,523	24.6	51,432	27.3	26,578	28.9	24,854	25.7	6,687	23.3	4,218	29.9	2,669	17.2	51
2,386	2.1	3,800	2.0	1,546	1.7	2,254	2.3	252	0.9	120	0.9	132	0.9	52
25,137	22.4	47,632	25.2	25,032	27.2	22,600	23.4	6,635	22.4	4,098	29.1	2,537	16.4	53
6,620	5.9	20,401	10.8	14,228	15.5	6,173	6.4	1,474	5.0	1,027	7.3	447	2.9	54
1,613	1.4	4,121	2.2	2,602	2.8	1,519	1.6	255	0.9	161	1.1	94	0.6	55
3,872	3.5	14,792	7.8	11,070	12.0	3,722	3.9	835	2.8	655	4.9	150	1.0	56
1,135	1.0	1,488	0.8	556	0.6	932	1.0	384	1.3	181	1.3	203	1.3	57
2,312	2.1	5,004	2.7	2,882	3.1	2,122	2.2	541	1.8	351	2.5	190	1.2	58
323	0.3	599	0.3	339	0.4	260	0.3	136	0.5	73	0.5	63	0.4	59
3,214	2.9	4,847	2.6	1,877	2.1	2,870	3.0	721	2.4	377	2.7	344	2.2	60
10,373	9.3	24,877	13.2	16,413	17.8	8,464	8.8	5,189	17.5	3,250	23.3	1,909	12.3	61
1,627	1.5	2,698	1.4	1,214	1.3	1,484	1.5	243	0.8	100	0.7	143	0.9	62
4,103	3.7	6,559	3.5	3,608	3.9	2,951	3.1	2,309	7.8	1,157	8.2	1,152	7.4	63
942	0.8	1,702	0.9	921	1.0	781	0.8	371	1.3	210	1.5	161	1.0	64
3,161	2.8	4,857	2.6	2,687	2.9	2,170	2.2	1,938	6.6	947	6.7	991	6.4	65
1,846	1.6	2,661	1.4	1,048	1.1	1,613	1.7	435	1.5	202	1.4	233	1.5	66
...	...	731	0.4	731	0.8	...	...	123	0.4	123	0.9	...	...	67
321	0.3	171	0.1	...	...	171	0.2	150	0.5	...	...	150	1.0	68
16	0.0	4	0.0	...	...	4	0.0	12	0.0	...	...	12	0.0	69
305	0.3	167	0.1	...	...	167	0.2	138	0.5	...	...	138	0.9	70
6,066	5.4	10,710	5.7	5,714	6.2	4,996	5.2	2,258	7.6	1,188	8.4	1,070	6.9	71
9,340	8.3	15,030	8.0	8,733	9.5	6,297	6.5	7,003	23.7	3,960	28.1	3,043	19.7	72
4,728	4.2	8,291	4.4	4,957	5.4	3,334	3.5	3,419	11.6	2,025	14.4	1,394	9.0	73
4,612	4.1	6,739	3.6	3,776	4.1	2,963	3.1	3,584	12.1	1,935	13.7	1,649	10.6	74
13,326	11.9	22,876	12.1	13,184	14.3	9,692	10.0	8,448	28.6	4,814	34.2	3,634	23.5	75
59,970	53.5	118,815	63.0	66,836	72.6	51,979	53.8	18,581	62.8	10,590	75.2	7,991	51.6	76
31,680	28.3	90,392	47.9	62,868	68.3	27,524	28.5	15,169	51.3	11,013	78.2	4,156	26.8	77
14,272	12.7	45,974	24.4	33,341	36.2	12,633	13.1	6,437	21.8	4,798	34.1	1,639	10.6	78

## MONTHLY VITAL STATISTICS REPORT

Table 11. 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 .....	606.1	802.8
2	Bacillary dysentery and amebiasis .....	0.0	0.0
3	Enteritis and other diarrheal diseases.....	0.7	0.8
4	Tuberculosis, all forms.....	1.0	1.5
5	Tuberculosis of respiratory system.....	0.7	1.2
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 .....	2.6	3.1
11	Acute poliomyelitis .....	0.0	0.0
12	Measles .....	0.0	0.0
13	Syphilis and its sequelae .....	0.0	0.1
14	Other infective and parasitic diseases.....	1.8	2.0
15	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues .....	133.8	165.8
16	Malignant neoplasms of buccal cavity and pharynx .....	3.0	4.7
17	Malignant neoplasms of digestive organs and peritoneum .....	33.4	41.6
18	Malignant neoplasms of respiratory system .....	35.4	59.0
19	Malignant neoplasm of breast .....	12.6	0.2
20	Malignant neoplasms of genital organs .....	14.2	15.2
21	Malignant neoplasms of urinary organs .....	5.5	8.6
22	Malignant neoplasms of all other and unspecified sites .....	17.1	20.7
23	Leukemia .....	5.3	6.8
24	Other neoplasms of lymphatic and hematopoietic tissues .....	7.4	9.1
25	Benign neoplasms and neoplasms of unspecified nature .....	1.7	1.8
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 .....	267.9	359.5
31	Diseases of heart .....	207.6	289.8
32	Active rheumatic fever and chronic rheumatic heart disease.....	4.5	4.6
33	Hypertensive heart disease .....	2.1	2.2
34	Hypertensive heart and renal disease .....	0.8	0.9
35	Ischemic heart disease.....	180.9	256.3
36	Acute myocardial infarction .....	92.8	139.0
37	Other acute and subacute forms of ischemic heart disease .....	1.3	2.0
38	Chronic ischemic heart disease .....	86.7	115.2
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 .....	18.2	24.3
42	Hypertension.....	1.5	1.8
43	Cerebrovascular diseases .....	45.3	49.8
44	Cerebral hemorrhage .....	7.1	7.8
45	Cerebral thrombosis .....	9.3	10.4
46	Cerebral embolism .....	0.2	0.2
47	All other cerebrovascular diseases .....	28.7	31.4
48	Arteriosclerosis .....	6.0	6.8
49	Other diseases of arteries, arterioles, and capillaries .....	7.7	11.3
50	Acute bronchitis and bronchiolitis.....	0.2	0.3
51	Influenza and pneumonia .....	15.4	21.0
52	Influenza .....	1.0	1.1
53	Pneumonia .....	14.5	19.8
54	Bronchitis, emphysema, and asthma .....	6.8	11.1
55	Chronic and unqualified bronchitis .....	1.3	2.0
56	Emphysema .....	4.8	8.5
57	Asthma .....	0.7	0.6
58	Peptic ulcer .....	1.7	2.4
59	Appendicitis.....	0.3	0.3
60	Hernia and intestinal obstruction .....	1.6	1.7
61	Cirrhosis of liver .....	12.5	17.6
62	Cholelithiasis, cholecystitis and cholangitis .....	0.8	0.9
63	Nephritis and nephrosis .....	2.8	3.5
64	Acute nephritis and nephrotic syndrome .....	0.6	0.8
65	Chronic and unqualified nephritis and renal sclerosis .....	2.1	2.7
66	Infections of kidney .....	0.8	0.8
67	Hyperplasia of prostate .....	0.2	0.5
68	Complications of pregnancy, childbirth, and the puerperium .....	0.1	...
69	Abortions .....	0.0	...
70	Other complications of pregnancy, childbirth, and the puerperium .....	0.1	...
71	Congenital anomalies .....	6.1	6.5
72	Certain causes of mortality in early infancy .....	10.5	11.9
73	Birth injury, difficult labor, and other anoxic and hypoxic conditions .....	5.6	6.5
74	Other causes of mortality in early infancy .....	4.9	5.3
75	Symptoms and ill-defined conditions .....	11.2	14.6
76	All other diseases .....	44.6	58.8
77	Accidents .....	44.3	66.5
78	Motor vehicle accidents .....	23.4	35.1
79	All other accidents .....	20.9	31.4
80	Suicide .....	12.0	18.5
81	Homicide .....	9.6	15.3
82	Other external causes .....	1.9	2.7

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**CAUSES, BY COLOR AND SEX: UNITED STATES, 1978**

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	
447.0	580.2	773.1	425.5	797.6	1,029.5	605.5	1
0.0	0.0	0.0	0.0	0.0	0.1	0.0	2
0.6	0.5	0.6	0.5	1.5	1.6	1.3	3
0.6	0.7	1.1	0.4	3.1	4.9	1.7	4
0.4	0.5	0.9	0.3	2.5	4.1	1.2	5
0.2	0.2	0.2	0.1	0.7	0.8	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	0.2	0.2	0.1	0.2	0.2	0.3	9
2.1	2.2	2.7	1.8	5.6	6.5	4.8	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	0.2	0.3	0.2	13
1.6	1.6	1.8	1.4	3.3	3.6	3.1	14
110.5	130.8	161.2	109.0	159.1	205.8	121.8	15
1.5	2.8	4.3	1.5	4.5	7.5	2.1	16
26.9	32.2	40.0	26.1	43.3	55.6	33.3	17
16.7	34.6	57.4	16.8	41.2	72.2	15.9	18
23.1	12.7	0.2	23.1	12.4	0.3	22.3	19
14.6	13.4	14.1	14.0	21.7	25.4	19.4	20
3.1	5.5	8.7	3.1	5.0	7.1	3.4	21
14.3	16.9	20.4	14.1	19.3	23.1	16.1	22
4.1	5.3	6.9	4.2	4.6	5.8	3.6	23
6.0	7.4	9.1	6.1	7.1	8.8	5.8	24
1.6	1.6	1.8	1.5	2.1	2.1	2.1	25
10.3	9.4	9.8	9.1	19.0	16.3	21.0	26
0.7	0.6	0.7	0.6	1.2	1.4	1.1	27
0.9	0.8	0.9	0.8	2.2	2.3	2.1	28
0.6	0.6	0.7	0.5	1.4	1.5	1.2	29
195.2	261.4	355.5	187.0	320.9	392.1	262.7	30
141.8	204.0	288.8	136.5	234.7	295.8	184.7	31
4.4	4.5	4.6	4.4	4.2	4.3	4.2	32
1.9	1.7	1.8	1.6	5.4	5.8	5.1	33
0.7	0.7	0.8	0.6	1.6	1.8	1.5	34
120.6	179.6	257.8	117.2	189.1	241.1	146.6	35
55.6	94.3	143.0	55.1	77.0	101.5	57.2	36
0.7	1.2	1.9	0.6	1.9	2.8	1.2	37
64.2	83.9	112.8	61.4	110.1	136.7	88.2	38
0.1	0.1	0.1	0.1	0.1	0.2	0.1	39
1.0	1.2	1.4	0.9	1.8	2.3	1.4	40
13.3	16.4	22.3	11.7	32.5	40.6	26.0	41
1.3	1.2	1.5	1.1	3.7	4.2	3.3	42
41.8	42.5	46.8	39.3	69.3	76.5	63.4	43
5.6	6.4	6.9	6.0	13.1	15.4	11.2	44
8.4	9.0	10.0	8.1	12.0	13.5	10.7	45
0.2	0.2	0.2	0.2	0.2	0.2	0.2	46
26.7	26.9	29.6	25.0	44.0	47.3	41.3	47
5.3	6.0	6.9	5.4	5.6	6.2	5.0	48
5.0	7.6	11.4	4.8	7.7	9.4	6.2	49
0.2	0.2	0.3	0.2	0.3	0.4	0.2	50
11.5	14.5	19.6	10.9	21.8	30.9	14.6	51
0.9	1.0	1.1	0.9	0.8	0.9	0.7	52
10.6	13.5	18.5	10.0	21.1	30.1	13.9	53
3.8	7.0	11.4	3.9	5.1	8.0	2.9	54
0.9	1.4	2.1	0.9	0.9	1.2	0.6	55
2.2	5.0	8.8	2.3	2.9	5.3	0.9	56
0.8	0.6	0.5	0.7	1.4	1.4	1.4	57
1.1	1.7	2.3	1.1	1.8	2.8	1.1	58
0.2	0.2	0.3	0.1	0.5	0.6	0.4	59
1.5	1.5	1.6	1.5	2.3	2.7	2.0	60
8.1	11.3	16.1	7.2	21.0	29.1	14.3	61
0.7	0.8	0.9	0.7	0.8	0.7	0.8	62
2.2	2.2	2.9	1.7	7.9	9.0	7.1	63
0.5	0.5	0.7	0.4	1.2	1.5	0.9	64
1.8	1.6	2.2	1.3	6.7	7.4	6.1	65
0.8	0.7	0.7	0.8	1.3	1.4	1.3	66
...	0.2	0.5	...	0.3	0.8	...	67
0.3	0.1	...	0.2	0.5	...	1.0	68
0.0	0.0	...	0.0	0.0	...	0.1	69
0.3	0.1	...	0.2	0.5	...	0.9	70
5.7	6.0	6.4	5.6	6.5	6.9	6.2	71
9.2	8.7	9.9	7.5	19.2	21.5	17.0	72
4.6	4.8	5.6	4.0	9.4	11.0	7.8	73
4.5	3.9	4.3	3.5	9.8	10.5	9.2	74
8.2	9.0	12.0	6.5	26.8	34.4	20.5	75
33.7	41.8	55.7	31.5	64.6	83.0	49.7	76
23.3	43.3	64.5	22.9	52.6	83.1	26.1	77
12.3	23.8	35.2	12.6	22.4	36.1	10.7	78
11.0	19.5	29.3	10.3	30.1	47.1	15.5	79
6.2	12.7	19.2	6.6	7.4	12.2	3.2	80
4.2	6.0	9.2	2.9	33.4	58.1	12.1	81
1.1	1.7	2.3	1.0	3.4	5.2	1.8	82

## MONTHLY VITAL STATISTICS REPORT

Table 12. DEATHS UNDER 1 YEAR AND INFANT MORTALITY RATES FOR 65 SELECTED CAUSES, BY COLOR: UNITED STATES, 1978

[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 <sup>1</sup>		
	Total	White	All other	Total	White	All other
All causes	45,945	32,212	13,733	1,378.4	1,201.4	2,105.8
Diarrheal diseases .....009	706	365	341	21.2	13.6	52.3
Whooping cough .....033	5	2	3	*0.2	*0.1	*0.5
Meningococcal infections .....036	97	80	17	2.9	3.0	*2.6
Tetanus .....037	-	-	-	-	-	-
Septicemia .....038	1,093	761	332	32.8	28.4	50.9
Viral diseases .....040-079	171	126	45	5.1	4.7	6.9
Congenital syphilis .....090	6	4	2	*0.2	*0.1	*0.3
Other infective and parasitic diseases .....Remainder of 000-136	190	123	67	5.7	4.6	10.3
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues .....140-209	132	110	22	4.0	4.1	3.4
Benign neoplasms and neoplasms of unspecified nature .....210-239	57	48	9	1.7	1.8	*1.4
Diseases of thymus gland .....254	12	9	3	*0.4	*0.3	*0.5
Cystic fibrosis .....273.0	37	32	5	1.1	1.2	*0.8
Diseases of the blood and blood-forming organs .....280-289	146	82	64	4.4	3.1	9.8
Meningitis .....320	532	360	172	16.0	13.4	26.4
Other diseases of nervous system and sense organs .....321-389	487	369	118	14.6	13.8	18.1
Acute upper respiratory infections .....460-465	55	40	15	1.7	1.5	*2.3
Bronchitis and bronchiolitis .....466,490,491	149	102	47	4.5	3.8	7.2
Influenza and pneumonia .....470-474,480-486	1,533	963	570	46.0	35.9	87.4
Influenza .....470-474	34	16	18	1.0	*0.6	*2.8
Pneumonia .....480-486	1,499	947	552	45.0	35.3	84.6
Other chronic interstitial pneumonia .....517	27	18	9	0.8	*0.7	*1.4
All other diseases of respiratory system .....492,493,500-516,518,519	406	288	118	12.2	10.7	18.1
Hernia and intestinal obstruction .....550-553,560	495	398	97	14.9	14.8	14.9
Gastritis, duodenitis, enteritis, and colitis of noninfectious origin .....535,561,563	32	18	14	1.0	*0.7	*2.1
Other diseases of digestive system .....520-534,536,537,540-543,562,564-573	303	198	105	9.1	7.4	16.1
Congenital anomalies .....740-759	8,404	6,830	1,574	252.1	254.7	241.4
Anencephalus .....740	759	676	83	22.8	25.2	12.7
Spina bifida .....741	295	257	38	8.9	9.6	5.8
Congenital hydrocephalus .....742	344	282	62	10.3	10.5	9.5
Other congenital anomalies of central nervous system and eye .....743,744	286	243	43	8.6	9.1	6.6
Congenital anomalies of heart .....746	2,829	2,284	545	84.9	85.2	83.6
Other congenital anomalies of circulatory system .....747	847	632	215	25.4	23.6	33.0
Congenital anomalies of respiratory system .....748	708	562	146	21.2	21.0	22.4
Congenital anomalies of digestive system .....749-751	281	214	67	8.4	8.0	10.3
Congenital anomalies of genitourinary system .....752,753	291	253	38	8.7	9.4	5.8
Congenital anomalies of musculoskeletal system .....754-756	214	171	43	6.4	6.4	6.6
Down's disease .....759.3	82	71	11	2.5	2.6	*1.7
Other congenital syndromes affecting multiple systems .....759.0-759.2,759.4-759.9	1,276	1,030	245	38.3	38.4	37.6
Other and unspecified congenital anomalies .....745,757,758	193	155	38	5.8	5.8	5.8
Certain causes of mortality in early infancy .....760-769,2,769,4-772,774-778	21,987	14,997	6,990	659.6	559.4	1,071.8
Chronic circulatory and genitourinary diseases in mother .....760	11	8	3	*0.3	*0.3	*0.5
Other maternal conditions unrelated to pregnancy .....761	126	90	36	3.8	3.4	5.5
Syphilis .....761.0	-	-	-	-	-	-
Diabetes mellitus .....761.1	52	40	12	1.6	1.5	*1.8
Rubella .....761.3	2	1	1	*0.1	*0.0	*0.2
All other maternal conditions unrelated to pregnancy .....761.2,761.4-761.7,761.9	72	49	23	2.2	1.8	3.5
Toxemia of pregnancy .....762	79	57	22	2.4	2.1	3.4
Maternal antepartum and intrapartum infection .....763	198	130	68	5.9	4.8	10.4
Difficult labor .....764-768	268	197	71	8.0	7.3	10.9
With mention of birth injury (.0-3) .....764	61	46	15	1.8	1.7	*2.3
Without mention of birth injury (.4,.9) .....765-768	207	151	56	6.2	5.6	8.6
All other complications of pregnancy and childbirth .....769.0-769.2,769.4,769.5,769.9	2,480	1,724	756	74.4	64.3	115.9
Conditions of placenta .....770	768	594	174	23.0	22.2	26.7
Conditions of umbilical cord .....771	177	137	40	5.3	5.1	6.2
Birth injury without mention of cause .....772	1,851	1,347	504	55.5	50.2	77.3
Hemolytic disease of newborn .....774,775	213	178	35	6.4	6.6	5.4
Hyaline membrane disease .....776.1	2,667	1,971	696	80.0	73.5	106.7
Respiratory distress syndrome .....776.2	3,324	2,409	915	99.7	89.9	140.3
Asphyxia of newborn, unspecified .....776.9	2,955	1,945	1,010	88.7	72.5	154.9
All other anoxic and hypoxic conditions not elsewhere classifiable .....776.0,776.3,776.4	610	395	215	18.3	14.7	33.0
Immaturity, unqualified .....777	3,677	2,214	1,463	110.3	82.6	224.3
Postmaturity .....778.1	1	-	1	*0.0	-	*0.2
Hemorrhagic disease of newborn .....778.2	489	321	168	14.7	12.0	25.8
All other conditions of newborn .....778.0,778.3,778.9	2,093	1,280	813	62.8	47.7	124.7
Symptoms and ill-defined conditions .....780-796	5,713	3,725	1,988	171.4	138.9	304.8
Accidents .....E800-E949	1,262	880	382	37.9	32.8	58.6
Inhalation and ingestion of food or other object causing obstruction or suffocation .....E911,E912	296	194	102	8.9	7.2	15.6
Accidental mechanical suffocation .....E913	242	167	75	7.3	6.2	11.5
Other accidental causes .....E800-E910,E914-E949	724	519	205	21.7	19.4	31.4
Homicide .....E960-E978	161	94	67	4.8	3.5	10.3
All other causes .....Residual	1,747	1,190	557	52.4	44.4	85.4

<sup>1</sup>Per 100,000 live births in specified group.

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**Table 13. MATERNAL DEATHS AND MATERNAL MORTALITY RATES FOR SELECTED CAUSES, BY COLOR: UNITED STATES, 1978**

[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	321	171	150	9.6	6.4	23.0
Ectopic pregnancy..... 631	37	13	24	1.1	0.5	3.7
Toxemias of pregnancy and the puerperium, except abortion with toxemia ..... 636-639	62	41	21	1.9	1.5	3.2
Hemorrhage of pregnancy and childbirth ..... 632,651-653	36	17	19	1.1	0.6	2.9
Abortions ..... 640-645	16	4	12	0.5	0.1	1.8
Abortions induced for legal indications ..... 640,641	2	1	1	0.1	0.0	0.2
Abortions induced for other reasons ..... 642	4	1	3	0.1	0.0	0.5
Spontaneous abortion ..... 643	2	-	2	0.1	-	0.3
Other and unspecified abortions ..... 644,645	8	2	6	0.2	0.1	0.9
Sepsis of childbirth and the puerperium ..... 670,671,673	61	35	26	1.8	1.3	4.0
All other complications of pregnancy, childbirth, and the puerperium ..... 630,633-635,654-662,672,674-678	107	60	47	3.2	2.2	7.2
Delivery without mention of complications ..... 650	2	1	1	0.1	0.0	0.2

**Table 14. NUMBER OF AUTOPSIES AND PERCENT OF DEATHS FOR WHICH AUTOPSIES WERE REPORTED FOR 15 LEADING CAUSES OF DEATH: UNITED STATES, 1978**

[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 .....	1,927,788	303,134	15.7
1	Diseases of heart ..... 390-398,402,404,410-429	729,510	73,500	10.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues..... 140-209	396,992	40,532	10.2
3	Cerebrovascular diseases..... 430-433	175,629	11,086	6.3
4	Accidents..... E800-E949	105,561	44,998	42.6
...	Motor vehicle accidents..... E810-E823	52,411	22,456	42.8
...	All other accidents..... E800-E807, E825-E949	53,150	22,542	42.4
5	Influenza and pneumonia ..... 470-474,480-486	58,319	10,295	17.7
6	Diabetes mellitus..... 250	33,841	2,567	7.6
7	Cirrhosis of liver..... 571	30,066	9,032	30.0
8	Arteriosclerosis..... 440	28,940	1,186	4.1
9	Suicide..... E950-E959	27,294	12,133	44.5
10	Certain causes of mortality in early infancy..... 760-769, 2,769, 4-772, 774-778	22,033	7,246	33.3
11	Bronchitis, emphysema, and asthma..... 490-493	21,875	3,174	14.5
12	Homicide..... E960-E978	20,432	18,859	92.3
13	Congenital anomalies..... 740-759	12,868	6,316	48.7
14	Nephritis and nephrosis..... 580-584	8,688	1,161	13.1
15	Septicemia..... 038	7,600	1,818	23.3
...	All other causes..... Residual	247,660	59,131	23.9

**Table 15. AVERAGE NUMBER OF DEATHS PER DAY FOR DAYS OF WEEK, FOR SELECTED CAUSES: UNITED STATES, 1978**

[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 <sup>1</sup> .....	5,289	144	75	56
Sunday <sup>2</sup> .....	5,293	173	73	68
Monday <sup>2</sup> .....	5,317	116	83	50
Tuesday <sup>2</sup> .....	5,243	116	78	47
Wednesday <sup>2</sup> .....	5,232	118	76	47
Thursday <sup>2</sup> .....	5,230	124	73	48
Friday <sup>2</sup> .....	5,293	158	72	56
Saturday <sup>2</sup> .....	5,415	205	70	79

<sup>1</sup>Number of deaths in 1978 from selected cause or causes is divided by 365.

<sup>2</sup>Number of deaths on specified day of the week in 1978 from selected cause or causes is divided by number of times specified day of the week occurred in 1978.

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Table 16. TOTAL DEATHS AND DEATH RATES, AND INFANT AND NEONATAL DEATHS AND MORTALITY RATES, FOR THE UNITED STATES, EACH REGION, DIVISION, AND STATE; AND BY COLOR AND SEX FOR THE UNITED STATES: 1978

[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 <sup>1</sup>	Number	Rate <sup>2</sup>	Number	Rate <sup>2</sup>
United States.....	1,927,788	883.4	45,945	13.8	31,618	9.5
Male.....	1,055,290	994.4	26,088	15.3	18,014	10.5
Female.....	872,498	778.3	19,857	12.2	13,604	8.4
White.....	1,689,722	895.7	32,212	12.0	22,482	8.4
Male.....	920,123	999.8	18,423	13.4	12,867	9.3
Female.....	769,599	796.5	13,789	10.6	9,615	7.4
All other.....	238,066	805.1	13,733	21.1	9,136	14.0
Male.....	135,167	959.7	7,665	23.1	5,147	15.5
Female.....	102,899	664.5	6,068	18.9	3,989	12.4
Regions:						
Northeast.....	463,263	943.7	8,314	13.1	6,115	9.7
North Central.....	520,734	893.9	12,161	13.6	8,380	9.4
South.....	635,014	898.9	17,235	15.3	11,777	10.5
West.....	308,777	767.4	8,235	12.1	5,346	7.8
NORTHEAST						
New England.....	109,624	893.6	1,741	11.4	1,290	8.4
Maine.....	10,179	932.1	165	10.4	97	6.1
New Hampshire.....	7,408	852.5	129	10.4	100	8.0
Vermont.....	4,426	908.8	97	13.6	65	9.1
Massachusetts.....	52,660	912.5	760	11.1	558	8.1
Rhode Island.....	8,873	952.0	157	13.6	122	10.6
Connecticut.....	26,078	836.9	433	11.6	348	9.3
Middle Atlantic.....	353,639	960.3	6,573	13.7	4,825	10.1
New York.....	167,572	944.3	3,288	14.0	2,355	10.1
New Jersey.....	65,993	902.0	1,216	13.0	873	9.3
Pennsylvania.....	120,074	1,020.8	2,089	13.7	1,597	10.5
NORTH CENTRAL						
East North Central.....	362,435	879.2	8,676	13.8	5,916	9.4
Ohio.....	96,569	899.8	2,147	13.3	1,486	9.2
Indiana.....	47,548	882.6	1,094	13.1	722	8.6
Illinois.....	103,026	916.8	2,744	15.7	1,909	10.9
Michigan.....	74,968	816.6	1,923	13.8	1,275	9.2
Wisconsin.....	40,324	861.1	768	11.2	524	7.6
West North Central.....	158,299	929.2	3,485	13.2	2,464	9.3
Minnesota.....	33,316	827.9	741	12.0	513	8.3
Iowa.....	27,450	944.6	562	12.6	397	8.9
Missouri.....	49,442	1,020.1	1,080	14.8	785	10.8
North Dakota.....	5,491	840.9	152	13.5	108	9.6
South Dakota.....	6,492	940.9	165	13.5	115	9.4
Nebraska.....	14,443	920.5	327	13.0	228	9.1
Kansas.....	21,665	923.1	458	12.5	318	8.7
SOUTH						
South Atlantic.....	315,892	911.7	7,822	15.5	5,374	10.6
Delaware.....	4,957	848.8	115	13.2	83	9.6
Maryland.....	33,130	798.7	814	14.7	613	11.1
District of Columbia.....	7,065	1,052.9	256	27.3	190	20.2
Virginia.....	40,767	787.5	1,010	13.8	710	9.7
West Virginia.....	19,646	1,055.7	443	15.1	301	10.3
North Carolina.....	47,322	849.4	1,367	16.6	938	11.4
South Carolina.....	24,112	830.9	922	18.6	616	12.4
Georgia.....	43,298	853.2	1,297	15.4	869	10.3
Florida.....	95,595	1,103.7	1,598	14.1	1,054	9.3
East South Central.....	130,196	932.6	3,514	15.4	2,398	10.5
Kentucky.....	33,421	957.6	729	12.7	494	8.6
Tennessee.....	38,745	894.2	987	14.8	698	10.5
Alabama.....	34,680	930.3	969	16.1	660	11.0
Mississippi.....	23,360	969.3	829	18.7	546	12.3
West South Central.....	188,926	857.4	5,899	15.0	4,005	10.2
Arkansas.....	21,896	1,010.4	569	16.4	364	10.5
Louisiana.....	35,242	885.9	1,295	17.3	898	12.0
Oklahoma.....	27,943	982.9	655	14.3	413	9.0
Texas.....	103,845	795.9	3,380	14.3	2,330	9.8
WEST						
Mountain.....	75,070	724.3	2,473	12.2	1,618	8.0
Montana.....	6,488	831.8	157	11.6	99	7.3
Idaho.....	6,507	737.8	227	11.7	142	7.3
Wyoming.....	3,112	732.2	113	13.0	70	8.1
Colorado.....	18,361	678.5	494	11.2	306	6.9
New Mexico.....	8,456	696.0	338	14.1	216	9.0
Arizona.....	19,198	809.0	564	13.1	390	9.0
Utah.....	7,892	599.2	443	11.4	301	7.8
Nevada.....	5,066	759.2	137	12.5	94	8.6
Pacific.....	233,707	782.4	5,762	12.0	3,728	7.8
Washington.....	30,490	803.8	737	12.5	462	7.9
Oregon.....	20,895	852.2	501	12.9	299	7.7
California.....	176,069	789.1	4,210	11.8	2,756	7.7
Alaska.....	1,690	411.2	128	14.4	83	9.4
Hawaii.....	4,563	505.9	186	11.1	128	7.6

<sup>1</sup>Per 100,000 population in specified group.<sup>2</sup>Per 1,000 live births.

# MONTHLY VITAL STATISTICS REPORT

**Table 17. DEATHS AND DEATH RATES FOR MAJOR CAUSES OF DEATH FOR THE UNITED STATES, EACH REGION, DIVISION, AND STATE; AND BY COLOR AND SEX FOR THE UNITED STATES: 1978**

[By place of residence. Refers only to resident deaths occurring within the United States. Excludes fetal deaths. Rates per 100,000 estimated population in each color-sex group and area. Numbers after causes of death are category numbers of the Eighth Revision International Classification of Diseases, Adapted, 1965]

Color, sex, and area	Diseases of heart (390-398,402,404,410-429)		Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-209)		Cerebrovascular diseases (430-438)		All accidents (E800-E949)		Motor vehicle accidents (E810-E823)		Suicide (E950-E959)	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
United States .....	729,510	334.3	396,992	181.9	175,629	80.5	105,561	48.4	52,411	24.0	27,294	12.5
Male .....	398,267	375.3	215,997	203.5	73,648	69.4	73,881	69.6	38,139	35.9	20,188	19.0
Female .....	331,243	295.5	180,995	161.4	101,981	91.0	31,680	28.3	14,272	12.7	7,106	6.3
White .....	657,702	348.6	352,039	186.6	153,800	81.5	90,392	47.9	45,974	24.4	25,250	13.4
Male .....	359,700	390.8	189,956	206.4	63,439	68.9	62,868	68.3	33,341	36.2	18,619	20.2
Female .....	298,002	308.4	162,083	167.7	90,361	93.5	27,524	28.5	12,633	13.1	6,631	6.9
All other .....	71,808	242.8	44,953	152.0	21,829	73.8	15,169	51.3	6,437	21.8	2,044	6.9
Male .....	38,567	273.8	26,041	184.9	10,209	72.5	11,013	78.2	4,798	34.1	1,569	11.1
Female .....	33,241	214.7	18,912	122.1	11,620	75.0	4,156	26.8	1,639	10.6	475	3.1
Regions:												
Northeast .....	189,376	385.8	101,864	207.5	36,611	74.6	17,816	36.3	8,089	16.5	4,917	10.0
North Central .....	204,680	351.3	105,567	181.2	48,872	133.9	26,567	45.6	13,118	22.5	6,721	11.5
South .....	229,342	324.6	125,073	177.0	62,412	188.3	39,002	55.2	19,634	27.8	9,148	12.9
West .....	106,112	263.7	64,488	160.3	27,734	68.9	22,148	55.0	11,570	28.8	6,508	16.2
NORTHEAST												
New England .....	42,650	347.7	24,933	203.3	9,325	76.0	4,726	38.5	2,080	17.0	1,292	10.5
Maine .....	3,919	358.9	2,210	202.4	902	32.6	503	46.1	228	20.9	152	13.9
New Hampshire .....	2,567	306.9	1,704	196.1	610	70.2	332	38.2	161	18.5	130	15.0
Vermont .....	1,652	341.3	945	194.0	347	71.3	247	50.7	113	23.2	72	14.8
Massachusetts .....	20,620	341.3	11,935	206.8	4,401	76.3	2,311	40.0	953	16.5	511	9.9
Rhode Island .....	3,751	402.5	2,135	229.1	621	74.1	277	32.7	127	13.6	107	11.5
Connecticut .....	10,031	321.9	6,003	192.7	2,374	76.2	1,056	33.0	498	16.0	320	10.3
Middle Atlantic .....	146,726	398.4	76,931	208.9	27,286	74.1	13,090	35.5	6,009	16.3	3,625	9.8
New York .....	70,309	396.2	36,414	205.2	12,286	39.2	5,939	33.5	2,628	14.8	1,703	9.6
New Jersey .....	27,607	377.4	15,203	207.8	5,345	73.1	2,446	33.4	1,181	16.1	524	7.2
Pennsylvania .....	48,810	414.9	25,314	215.2	9,655	82.1	4,705	40.0	2,200	18.7	1,398	11.9
NORTH CENTRAL												
East North Central .....	144,767	351.2	74,176	179.9	32,875	79.8	17,823	43.2	8,862	21.5	4,834	11.7
Ohio .....	39,283	356.7	19,945	185.8	8,680	80.9	4,466	41.6	2,107	19.6	1,356	12.6
Indiana .....	18,005	334.2	9,660	179.3	4,945	91.8	2,566	47.6	1,314	24.4	642	11.9
Illinois .....	42,661	379.6	20,995	186.8	8,959	79.7	4,819	42.9	2,299	20.5	1,121	10.0
Michigan .....	29,472	321.0	15,288	166.5	6,544	71.3	3,977	43.3	2,153	23.4	1,132	12.3
Wisconsin .....	16,346	349.0	8,288	177.0	3,747	80.0	1,995	42.6	990	21.1	583	12.4
West North Central .....	59,913	351.7	31,391	184.3	15,997	93.9	8,744	51.3	4,256	25.0	1,887	11.1
Minnesota .....	12,362	307.2	6,752	167.8	3,538	87.9	1,952	48.5	983	24.4	410	10.2
Iowa .....	11,056	380.5	5,450	187.5	2,842	97.8	1,390	47.8	696	24.0	340	11.8
Missouri .....	18,428	380.2	9,718	200.5	4,717	97.3	2,596	53.6	1,220	25.2	590	12.2
North Dakota .....	2,048	313.6	1,074	164.5	545	83.5	387	59.3	193	29.6	64	9.8
South Dakota .....	2,448	354.8	1,220	176.8	693	100.4	399	57.8	196	28.4	81	11.7
Nebraska .....	5,466	348.4	2,951	188.1	1,532	97.6	752	47.9	375	23.9	145	9.2
Kansas .....	8,105	345.3	4,226	180.1	2,130	90.8	1,268	54.0	593	25.3	253	10.8
SOUTH												
South Atlantic .....	117,185	338.2	64,624	186.5	29,614	85.5	17,771	51.3	8,657	25.0	4,802	13.9
Delaware .....	1,954	334.5	1,136	194.5	319	54.6	242	41.4	135	23.1	85	14.6
Maryland .....	12,796	308.5	7,560	182.3	2,209	53.3	1,580	38.1	733	17.7	453	10.9
District of Columbia .....	2,186	325.8	1,559	282.3	521	77.6	279	41.6	73	10.9	70	10.4
Virginia .....	15,298	295.5	8,148	157.4	3,756	72.6	2,413	46.6	1,086	21.0	731	14.1
West Virginia .....	8,021	431.0	3,681	197.8	1,650	88.7	1,064	57.2	490	26.3	261	14.0
North Carolina .....	17,445	313.1	8,910	159.9	4,698	84.3	3,146	56.5	1,498	26.9	654	11.7
South Carolina .....	8,573	295.4	4,249	146.4	2,533	87.3	1,727	59.5	911	31.4	327	11.3
Georgia .....	15,320	301.9	7,840	154.5	4,909	96.7	2,975	58.6	1,533	30.2	688	13.6
Florida .....	35,592	410.9	21,541	248.7	9,019	104.1	4,345	50.2	2,198	25.4	1,533	17.7
East South Central .....	46,353	332.0	24,463	175.2	13,977	100.1	8,527	61.1	4,322	31.0	1,603	11.5
Kentucky .....	13,231	379.0	6,400	183.4	3,420	98.0	1,834	52.6	880	25.2	436	12.6
Tennessee .....	14,054	324.3	7,483	172.7	4,265	98.4	2,487	57.4	1,289	29.7	544	12.5
Alabama .....	11,340	304.2	6,494	174.2	3,833	102.8	2,464	66.1	1,285	34.5	392	10.5
Mississippi .....	7,728	320.8	4,086	169.6	2,459	102.1	1,742	72.3	368	36.0	231	9.6
West South Central .....	65,804	298.6	35,986	163.3	18,821	85.4	12,732	57.8	6,655	30.2	2,743	12.4
Arkansas .....	7,894	364.3	4,133	190.7	2,475	114.2	1,314	60.6	616	28.4	228	10.5
Louisiana .....	12,647	317.9	6,714	168.8	3,338	83.9	2,383	59.9	1,127	28.3	471	11.8
Oklahoma .....	10,356	354.3	5,313	185.9	2,843	100.0	1,800	63.3	970	34.1	384	13.5
Texas .....	34,907	267.5	19,826	152.0	10,165	77.9	7,235	55.5	3,942	30.2	1,660	12.7
WEST												
Mountain .....	24,107	232.6	14,085	135.9	5,971	57.6	6,741	65.0	3,708	35.8	1,796	17.3
Montana .....	2,181	279.6	1,227	157.3	559	71.7	544	69.7	270	34.6	121	15.5
Idaho .....	2,133	241.8	1,179	133.7	603	68.4	611	69.3	315	35.7	118	13.4
Wyoming .....	991	233.2	553	130.1	261	61.4	339	79.8	187	44.0	75	17.6
Colorado .....	6,199	229.1	3,384	125.1	1,462	54.0	1,396	51.6	705	26.1	481	17.8
New Mexico .....	2,049	168.6	1,532	126.1	608	50.0	981	80.7	604	49.7	208	17.1
Arizona .....	6,232	265.1	3,866	162.9	1,408	59.3	1,644	69.3	953	40.2	459	19.3
Utah .....	2,619	195.9	1,286	97.8	694	52.7	737	56.0	385	29.2	169	12.8
Nevada .....	1,643	246.7	1,056	158.6	376	55.5	489	73.4	289	43.4	165	24.8
Pacific .....	82,005	274.5	50,403	168.7	21,763	72.9	15,407	51.6	7,862	26.3	4,712	15.8
Washington .....	10,792	284.5	6,423	169.3	3,011	79.4	2,046	53.9	1,052	27.7	537	14.2
Oregon .....	7,281	296.9	4,387	178.9	2,050	83.6	1,429	58.3	737	30.1	361	15.5
California .....	62,208	278.8	38,286	171.6	16,188	72.5	11,154	50.0	5,754	25.8	3,627	16.3
Alaska .....	311	75.7	281	68.4	69	16.8	458	111.4	119	29.0	61	14.8
Hawaii .....	1,413	156.7	1,026	113.7	445	49.3	320	35.5	200	22.2	106	11.8