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Monthly

VITAL STATISTICS REPORT

Provisional Statistics

ANNUAL SUMMARY FOR THE UNITED STATES, 1979

**BIRTHS, DEATHS,
MARRIAGES,
AND DIVORCES**

U.S. DEPARTMENT OF
HEALTH AND HUMAN SERVICES
Public Health Service
Office of Health Research, Statistics, and Technology
National Center for Health Statistics

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ANNUAL SUMMARY, 1979

VITAL STATISTICS OF THE UNITED STATES

Item	Rate per 1,000 population							
	1979 ¹	1978	1977	1976	1975	1974	1973	1972
Births.....	15.8	15.3	15.4	14.8	14.8	14.9	14.9	15.6
Deaths.....	8.7	8.8	8.8	8.9	8.9	9.2	9.4	9.4
Natural increase.....	7.1	6.5	6.6	5.9	5.9	5.7	5.5	6.2
Marriages.....	10.7	² 10.5	10.1	10.0	10.1	10.5	10.9	11.0
Divorces (est.).....	5.3	5.2	5.0	5.0	4.9	4.6	4.4	4.1

¹Provisional.

²Beginning with 1978, data include nonlicensed marriages registered in California; see Explanatory Notes.

The provisional totals of births, marriages, divorces, and deaths reported here monthly have been summarized for the entire year. These preliminary totals show more births, marriages, and divorces and fewer deaths and infant deaths in 1979 than in 1978.

BIRTHS

In 1979 the estimated number of births in the United States was 3,473,000, up 4 percent from the final number recorded for 1978. The birth rate increased 3 percent, to a rate of 15.8 live births per 1,000 population, up from a final rate of 15.3 in 1978.

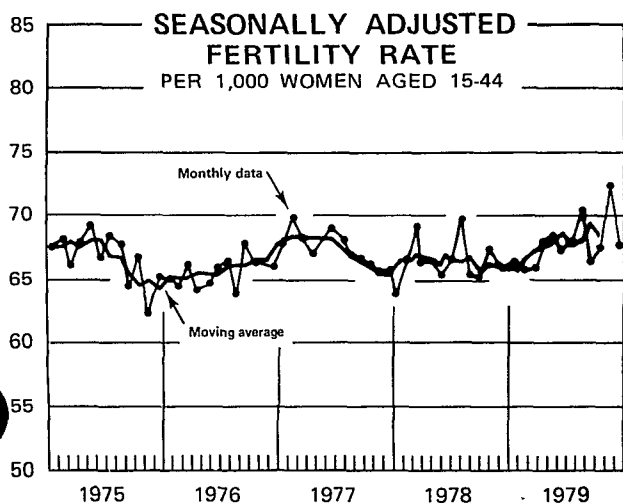
The fertility rate was 68.0 live births per 1,000 women aged 15-44 years, a 2-percent increase over the 1978 final rate. This is only the fourth year to show an increase since the long-term decline began in 1958; other increases oc-

curred in 1969, 1970, and 1977. Although the rate for 1979 showed an increase, it surpassed the rates only for the years 1975 through 1978.

The increase in the number of births and the birth rate can be attributed to the 2-percent increase in the number of women of childbearing ages (assumed to be 15-44 years) between 1978 and 1979, as well as to the increase in the rate of childbearing. The increases in the number of births and the birth rate could have been larger had not the greatest increases in the number of women (4 percent) occurred in the age groups 30-34 and 35-39 years, ages at which the rate of childbearing is comparatively low.

According to U.S. Bureau of the Census projections, the number of women of childbearing ages will continue to increase substantially through 1985, indicating the potential for increasing numbers of births. However, while the total number of women aged 15-44 years will increase 8 percent between 1979 and 1985, the largest increases will occur among women aged 30-34 (16.3 percent) and 35-39 years (26.7 percent). Women aged 20-24 years, one of the groups with the highest fertility rates, will actually decrease 1 percent, which may tend to hold down increases in the number of births.

Provisional data by place of occurrence show increases in the number of births in all nine geographic divisions and increases in the birth rate in all divisions except the Pacific where there was a slight decrease. The number of births increased in all States except Connecticut, New York, and Washington. The birth rate decreased in New York and Washington and remained constant in Connecticut and California, while increasing in the rest of the States.



MONTHLY VITAL STATISTICS REPORT

Table A. LIVE BIRTHS, BIRTH RATES, AND FERTILITY RATES, BY MONTH: UNITED STATES, 1978 AND 1979

[Rates on an annual basis. Birth rates per 1,000 population and fertility rates per 1,000 women aged 15-44 years. Data are provisional unless otherwise specified]

Month	Number			Birth rate			Fertility rate		
	1979	1978	1978 (final)	1979	1978	1978 (final)	1979	1978	1978 (final)
Total.....	3,473,000	3,329,000	3,333,279	15.8	15.3	15.3	68.0	66.4	66.6
January.....	278,000	262,000	270,695	15.0	14.2	14.7	64.8	62.1	64.2
February.....	253,000	251,000	249,898	15.1	15.0	15.0	65.2	65.8	65.5
March.....	281,000	285,000	276,584	15.1	15.4	15.0	65.2	67.4	65.4
April.....	272,000	260,000	254,585	15.1	14.6	14.2	65.1	63.5	62.1
May.....	285,000	272,000	270,818	15.3	14.7	14.6	65.8	64.0	63.9
June.....	281,000	265,000	270,704	15.6	14.8	15.1	67.1	64.5	65.9
July.....	308,000	296,000	294,704	16.5	16.0	15.9	71.1	69.6	69.3
August.....	325,000	312,000	302,805	17.4	16.8	16.3	74.8	73.2	71.1
September.....	299,000	289,000	293,903	16.5	16.1	16.4	71.1	70.1	71.2
October.....	299,000	282,000	288,965	16.0	15.2	15.6	68.6	66.0	67.6
November.....	301,000	274,000	274,679	16.6	15.2	15.3	71.4	66.0	66.3
December.....	290,000	281,000	284,939	15.5	15.1	15.3	66.4	65.4	66.4

NATURAL INCREASE

During 1979 the growth of the population due to natural increase (the excess of births over deaths) amounted to 1,567,000 persons. The rate of natural increase was 7.1 persons per 1,000 population compared with a final rate of 6.5 for 1978. This increase was due primarily to the increase in the birth rate.

DEATHS

During 1979 an estimated 1,906,000 deaths occurred in the United States. The provisional crude death rate for 1979 (866.2 deaths per 100,000 population) was 1.9 percent lower than the final rate for 1978 (883.4). The provisional age-adjusted death rate for 1979 (587.4 deaths per 100,000 population) was 3.1 percent lower

Table B. SEASONALLY ADJUSTED BIRTH AND FERTILITY RATES, BY MONTH: UNITED STATES, 1978 AND 1979

[Rates on an annual basis. Birth rates per 1,000 population and fertility rates per 1,000 women aged 15-44 years. Data are provisional unless otherwise specified]

Month	Birth rate			Fertility		Rate
	1979	1978	1978 (final)	1979	1978	1978 (final)
January.....	15.5	14.6	15.1	67.0	63.8	66.3
February.....	15.2	15.3	15.2	65.9	66.8	66.3
March.....	15.3	15.8	15.2	66.3	69.2	66.4
April.....	15.7	15.2	14.9	68.0	66.3	65.1
May.....	15.9	15.3	15.2	68.4	66.6	66.4
June.....	15.6	15.0	15.2	67.5	65.4	66.4
July.....	15.9	15.3	15.3	68.5	66.7	66.8
August.....	16.5	16.0	15.5	71.1	69.7	67.3
September.....	15.5	15.0	15.3	66.5	65.3	66.5
October.....	15.7	15.0	15.3	67.6	65.1	66.7
November.....	16.8	15.5	15.5	72.3	67.3	67.2
December.....	15.8	15.2	15.5	67.7	65.8	67.4

Table C. DEATHS AND DEATH RATES, BY MONTH: UNITED STATES, 1978 AND 1979

[Rates on an annual basis per 1,000 population. Data are provisional unless otherwise specified]

Month	Number			Rate		
	1979	1978	1978 (final)	1979	1978	1978 (final)
Total.....	1,906,000	1,924,000	1,927,788	8.7	8.8	8.8
January.....	169,000	189,000	196,451	9.1	10.3	10.6
February.....	160,000	169,000	161,760	9.5	10.1	9.7
March.....	164,000	170,000	164,522	8.8	9.2	8.9
April.....	160,000	161,000	153,864	8.9	9.0	8.6
May.....	157,000	158,000	159,055	8.4	8.6	8.6
June.....	152,000	153,000	151,105	8.4	8.5	8.4
July.....	158,000	153,000	155,022	8.5	8.3	8.4
August.....	154,000	150,000	151,247	8.3	8.1	8.2
September.....	147,000	150,000	148,691	8.1	8.3	8.3
October.....	160,000	157,000	160,511	8.5	8.4	8.6
November.....	160,000	154,000	155,718	8.8	8.5	8.7
December.....	165,000	162,000	169,842	8.8	8.7	9.1

than the final age-adjusted death rate for 1978 (606.1), and was the lowest ever recorded in the United States. Age-adjusted death rates control for changes and variations in the age composition of the population. Therefore, they are better indicators than the crude death rates in showing changes in the risk of dying over a period of time between color-sex groups and among causes of death.

During 1970-79 the age-adjusted rate decreased 17.8 percent, or an average annual percent decrease of 2.1 percent. The sharper reduction in the age-adjusted death rate during 1978-79 compared with the average annual change during 1970-79 reflects the absence of an influenza epidemic in 1979 compared with 1978, which was characterized by an influenza outbreak during the early part of the year.

Expectation of Life

The provisional expectation of life at birth in 1979 was 73.8 years for the total population, the highest life expectancy ever attained in the United States. The gain of 0.5 years between 1978 and 1979 was the largest gain since 1974-75 when life expectancy increased by 0.6 years. For the four color-sex groups the provisional life expectancies at birth in 1979 were as follows: white females, 78.3 years; all other females, 74.5 years; white males, 70.6 years; and all other males, 65.5 years. The expectation of life at

birth represents the average number of years that a group of infants would live if they were to experience throughout life the age-specific death rates prevailing during the year of their birth.

Based on the respective annual age-specific death rates, the expectations of life at birth for the total population for 1968-79 were as follows:

1979 (est.).....	73.8	1973.....	71.3
1978.....	73.3	1972.....	71.1
1977.....	73.2	1971.....	71.1
1976.....	72.8	1970.....	70.8
1975.....	72.5	1969.....	70.5
1974.....	71.9	1968.....	70.2

Death Rates by Age, Color, and Sex

Provisional death rates decreased for most age groups in 1979. The age group 1-4 years showed the largest percent decrease between 1978 and 1979; the age group 85 years and over showed the second largest percent decrease. Death rates at ages 5-14 years, 15-24 years, and 25-34 years increased between 1978 and 1979. The increase in the death rates at ages 5-14 years and 15-24 years can be attributed to increases in the death rates at those ages for white males. The increase at ages 25-34 years can be attributed to increases for both white males and males of races other than white.

Table D. DEATH RATES BY AGE: UNITED STATES, 1978 AND 1979

[For 1979, based on a 10-percent sample of deaths. Rates per 100,000 population in specified group]

Age	1979 (est.)	1978 (final)	Percent difference
All ages ¹	866.2	883.4	-1.9
Under 1 year.....	1,372.5	1,434.4	-4.3
1-4 years.....	62.7	69.2	-9.4
5-14 years.....	34.8	33.9	2.7
15-24 years.....	118.2	117.5	0.6
25-34 years.....	139.1	135.5	2.7
35-44 years.....	227.9	238.9	-4.6
45-54 years.....	588.5	609.7	-3.5
55-64 years.....	1,371.1	1,416.3	-3.2
65-74 years.....	2,921.9	3,027.2	-3.5
75-84 years.....	7,014.0	7,187.8	-2.4
85 years and over.....	13,831.0	14,700.7	-5.9

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

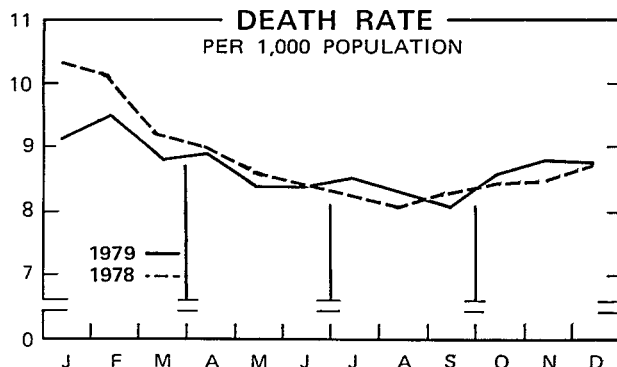
Color differentials.—In 1979 the provisional age-adjusted death rate for the population of races other than white (771.9 deaths per 100,000 population) was 37.2 percent higher than the rate for the white population (562.6). Death rates for each age group under 80 years were higher for all other races than those for the white population.

Sex differentials.—The estimated age-adjusted death rate for 1979 for the male population (780.2 deaths per 100,000 population) was 81.3 percent higher than the rate for the female population (430.4). For 1979 death rates were higher for males than for females in each age group.

Major Causes of Death

Deaths assigned to the 15 leading causes accounted for 89.4 percent of the estimated total number of deaths in 1979. Age-adjusted rates are shown for 13 of the 15 leading causes. Since deaths from the other two causes (Congenital anomalies and Certain conditions originating in the perinatal period) occur almost entirely at ages under 1 year, age-adjusted rates for these causes are not shown.

Due to the introduction of the Ninth Revision International Classification of Diseases (ICD-9), there was a major restructuring of the



leading causes of death in 1979 (see Explanatory Notes). This change has created new category titles that can be compared with those under the Eighth Revision (ICDA-8), as follows: Accidents and adverse effects under the Ninth Revision

Table E. DEATH RATES FOR 15 LEADING CAUSES OF DEATH: UNITED STATES, 1979

[Based on a 10-percent sample of deaths. Rates per 100,000 population. See table 8 for category numbers of causes of death]

Rank	Cause of death (Ninth Revision International Classification of Diseases, 1975)	Death rate	Percent of total deaths
...	All causes.....	866.2	100.0
1	Diseases of heart.....	331.3	38.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....	183.5	21.2
3	Cerebrovascular diseases.....	76.9	8.9
4	Accidents and adverse effects.....	47.9	5.5
...	Motor vehicle accidents.....	24.5	2.8
...	All other accidents and adverse effects.....	23.4	2.7
5	Chronic obstructive pulmonary diseases and allied conditions.....	22.7	2.6
6	Pneumonia and influenza.....	20.0	2.3
7	Diabetes mellitus.....	15.0	1.7
8	Chronic liver disease and cirrhosis.....	13.6	1.6
9	Atherosclerosis.....	13.0	1.5
10	Suicide.....	12.6	1.5
11	Homicide and legal intervention...	10.5	1.2
12	Certain conditions originating in the perinatal period.....	10.4	1.2
13	Nephritis, nephrotic syndrome, and nephrosis.....	7.3	0.8
14	Congenital anomalies.....	6.1	0.7
15	Septicemia.....	3.8	0.4
...	All other causes.....	91.6	10.6

compared with Accidents under the Eighth Revision; Chronic obstructive pulmonary diseases and allied conditions, with Bronchitis, emphysema, and asthma; Pneumonia and influenza, with Influenza and pneumonia; Chronic liver diseases and cirrhosis, with Cirrhosis of liver; Certain conditions originating in the perinatal period, with Certain causes of mortality in early infancy; Homicide and legal intervention, with Homicide; and Nephritis, nephrotic syndrome, and nephrosis compared with Nephritis and nephrosis. The remainder of the 15 leading causes under the Ninth Revision retained the same title used under the Eighth Revision.

While the new categories under ICD-9 differ in content from those under ICDA-8, they are the most nearly comparable categories. Since the categories are not identical, a measure of similarity is needed for comparisons. The comparability ratio is one such measure. Comparability

ratios for the causes of death shown in this publication were published in a previous report.¹

Cause-of-Death Ranking

The introduction of ICD-9 and the subsequent changes in category content resulted in changes in the ranking of causes of death (for ranking procedures see Explanatory Notes). A major change is that, under the Ninth Revision, Chronic obstructive pulmonary diseases and allied conditions ranked as the fifth leading

¹National Center for Health Statistics: Estimates of selected comparability ratios based on dual coding of 1976 death certificates by the Eighth and Ninth Revisions of the International Classification of Diseases, by A. J. Klebba and J. H. Scott. *Monthly Vital Statistics Report*. Vol. 28, No. 11, Supplement. DHEW Pub. No. (PHS) 80-1120. Public Health Service. Washington. U.S. Government Printing Office, Feb. 29, 1980.

Table F. AGE-ADJUSTED DEATH RATES FOR 15 LEADING CAUSES OF DEATH, 1978 AND 1979; AND COMPARABILITY RATIOS, 1976: UNITED STATES

[Rates per 100,000 population. For method of computation, see Explanatory Notes]

Rank ¹	Cause of death (Ninth Revision International Classification of Diseases, 1975)	1979 (est.)	1978	Comparability ratio
...	All causes.....	587.4	606.1	...
1	Diseases of heart.....	203.0	207.6	1.0126
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....	133.4	133.8	1.0026
3	Cerebrovascular diseases.....	42.5	45.3	1.0049
4	Accidents and adverse effects.....	43.6	44.3	0.9970
...	Motor vehicle accidents.....	23.9	23.4	1.0117
...	All other accidents and adverse effects.....	19.7	20.9	0.9841
5	Chronic obstructive pulmonary diseases and allied conditions.....	14.8	6.8	1.8846
6	Pneumonia and influenza.....	11.1	15.4	0.9264
7	Diabetes mellitus.....	9.9	10.4	0.9991
8	Chronic liver disease and cirrhosis.....	12.3	12.5	1.0110
9	Atherosclerosis.....	5.6	6.0	1.0649
10	Suicide.....	12.0	12.0	1.0032
11	Homicide and legal intervention.....	10.6	9.6	1.0057
12	Certain conditions originating in the perinatal period.....	(2)	(2)	1.0765
13	Nephritis, nephrotic syndrome, and nephrosis.....	4.5	2.8	1.7397
14	Congenital anomalies.....	(2)	(2)	0.9984
15	Septicemia.....	2.5	2.6	0.8500

¹Based on numbers of deaths for 1979; see Explanatory Notes.

²Since deaths from these causes occur primarily among infants, rates adjusted to the total population of the United States in 1940 are not shown. See table H.

NOTE: Inasmuch as the comparability ratios were developed for comparing crude rates, they are not strictly applicable for comparing age-adjusted death rates.

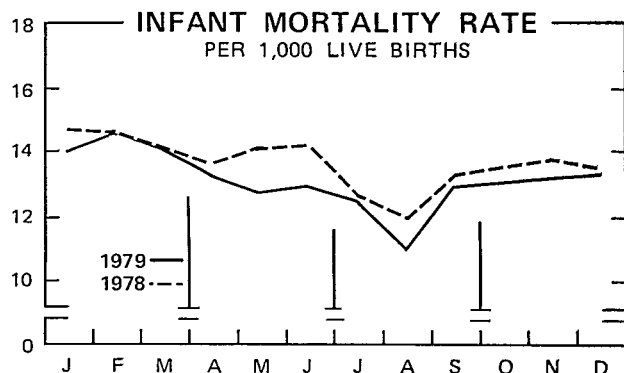
cause of death in 1979. In 1978, the most nearly comparable title, Bronchitis, emphysema, and asthma (ICDA-8) ranked as the 11th leading cause of death; however, the inclusions under these Eighth and Ninth Revision titles are not comparable.

Another leading cause for which there was a major change in rank between the Eighth and Ninth Revisions was Certain conditions originating in the perinatal period, which ranked 12th in 1979 compared with 10th in 1978 for the most nearly comparable category, Certain causes of mortality in early infancy. The other leading causes of death shifted rank by no more than one position between 1978 and 1979. Thus Pneumonia and influenza ranked 6th in 1979 compared with 5th in 1978; Diabetes mellitus, 7th compared with 6th; Chronic liver disease and cirrhosis, 8th compared with 7th; Atherosclerosis, 9th compared with 8th; Suicide, 10th compared with 9th; Homicide and legal intervention, 11th compared with 12th; Nephritis, nephrotic syndrome, and nephrosis, 13th compared with 14th; and Congenital anomalies ranked 14th compared with 13th. The ranking of the remaining leading causes remained unchanged from 1978.

Among the 15 leading causes of death that were comparable between the Eighth and Ninth Revisions (comparability ratios close to 1.0), decreases in the age-adjusted death rate occurred between 1978 and 1979 for Diseases of heart, Malignant neoplasms, Cerebrovascular diseases, Accidents and adverse effects, Diabetes mellitus, and Chronic liver disease and cirrhosis. An increase occurred in the age-adjusted rate for Homicide and legal intervention and in the infant mortality rate for Congenital anomalies. The age-adjusted rate for Suicide remained the same. For the other leading causes of death (Chronic obstructive pulmonary diseases and allied conditions; Pneumonia and influenza; Atherosclerosis; Certain conditions originating in the perinatal period; Nephritis, nephrotic syndrome, and nephrosis; and Septicemia) discontinuities in classification of cause of death were substantial between 1978 and 1979, making trend comparisons difficult.

Maternal and Infant Mortality

In 1979 the deaths of an estimated 270 women were assigned to Complications of



pregnancy, childbirth, and the puerperium. The maternal mortality rate had decreased from 24.5 deaths per 100,000 live births in 1968 to 9.6 deaths per 100,000 live births in 1978. The provisional rate for 1979 was 7.8 deaths per 100,000 live births.

1979 (est.)	.7.8	1968	.24.5
1978	.9.6	1967	.28.0
1977	.11.2	1966	.29.1
1976	.12.3	1965	.31.6
1975	.12.8	1964	.33.3
1974	.14.6	1963	.35.8
1973	.15.2	1962	.35.2
1972	.18.8	1961	.36.9
1971	.18.8	1960	.37.1
1970	.21.5	1950	.83.3
1969	.22.2		

**Table G. INFANT MORTALITY RATES BY AGE:
UNITED STATES, 1950, 1960, 1965, AND 1970-79**

[For 1979, based on a 10-percent sample of deaths; for all other years, based on final data. Rates per 1,000 live births]

Year	Under 1 year	Under 28 days	28 days to 11 months
1979 (est.)	13.0	8.7	4.2
1978	13.8	9.5	4.3
1977	14.1	9.9	4.2
1976	15.2	10.9	4.3
1975	16.1	11.6	4.5
1974	16.7	12.3	4.4
1973	17.7	13.0	4.8
1972 ¹	18.5	13.6	4.8
1971	19.1	14.2	4.9
1970	20.0	15.1	4.9
1965	24.7	17.7	7.0
1960	26.0	18.7	7.3
1950	29.2	20.5	8.7

¹Based on a 50-percent sample of deaths.

Table H. INFANT MORTALITY RATES FOR 10 SELECTED CAUSES OF DEATH, 1970 AND 1975-79; AND COMPARABILITY RATIOS, 1976: UNITED STATES

[For 1979, based on a 10-percent sample of deaths; for all other years, based on final data. Rates per 100,000 live births]

Cause of death (Ninth Revision International Classification of Diseases, 1975)	1979 (est.)	1978	1977	1976	1975	1970	Comparability ratio
All causes.....	1,296.7	1,378.4	1,412.1	1,523.6	1,606.9	2,001.1	1.0000
Certain gastrointestinal diseases.....008-009,535,555-558	10.7	23.0	20.8	24.2	26.0	24.1	0.4678
Pneumonia and influenza.....480-487	33.1	46.0	50.6	61.9	70.0	168.9	0.7471
Congenital anomalies.....740-759	257.7	252.1	253.1	263.4	272.9	301.7	1.0071
Disorders relating to short gestation and unspecified low birthweight.....765	100.5	110.3	111.6	125.5	139.9	234.6	0.9630
Birth trauma.....767	31.7	57.4	53.9	57.2	55.3	64.2	0.7154
Intrauterine hypoxia and birth asphyxia.....768	48.4	88.7	98.3	113.6	128.8	252.9	0.3270
Respiratory distress syndrome.....769	155.8	99.7	107.8	119.7	123.3	119.5	(¹)
Other conditions originating in the perinatal period.....760-764,766,770-779	317.3	² 403.3	² 438.3	² 485.4	² 521.5	² 605.5	0.8492
Sudden infant death syndrome.....798.0	142.8	148.9	142.8	137.5	133.0	---	(¹)
All other causes.....Residual	199.0	³ 397.6	³ 385.5	³ 392.2	³ 392.4	³ 349.1	0.5455

¹Comparability ratio has not been computed for this cause; see Explanatory Notes.

²Includes deaths from Respiratory distress syndrome; see Explanatory Notes.

³Includes deaths from Sudden infant death syndrome; see Explanatory Notes.

Table J. DEATHS UNDER 1 YEAR AND INFANT MORTALITY RATES, BY MONTH: UNITED STATES, 1978 AND 1979

[Rates on an annual basis per 1,000 live births. Monthly rates adjusted for changing number of births. Data are provisional unless otherwise specified]

Month	Number			Rate		
	1979	1978	1978 (final)	1979	1978	1978 (final)
Total.....	45,000	45,300	45,945	13.0	13.6	13.8
January.....	3,900	3,900	4,148	14.0	14.7	15.3
February.....	3,700	3,700	3,598	14.6	14.6	14.4
March.....	4,000	4,000	3,825	14.1	14.1	13.8
April.....	3,600	3,600	3,635	13.2	13.6	14.3
May.....	3,600	3,900	3,906	12.7	14.1	14.4
June.....	3,600	3,800	3,732	12.9	14.2	13.8
July.....	3,800	3,700	3,784	12.5	12.7	12.8
August.....	3,500	3,700	3,702	11.0	12.0	12.2
September.....	3,800	3,800	3,765	12.9	13.2	12.8
October.....	3,800	3,800	3,925	12.9	13.5	13.6
November.....	3,900	3,700	3,824	13.1	13.7	13.9
December.....	3,900	3,800	4,101	13.2	13.5	14.4

In 1979 an estimated 45,000 infants died in the United States. This resulted in an infant mortality rate of 13.0 deaths per 1,000 live births, the lowest annual rate ever recorded in the United States. The 1979 rate decreased 5.8

percent from the final rate for 1978. The neonatal (under 28 days) rate and the postneonatal (28 days to 11 months) mortality rate decreased between 1978 and 1979.

MONTHLY VITAL STATISTICS REPORT

Table K. MARRIAGES AND MARRIAGE RATES, BY MONTH: UNITED STATES, 1978 AND 1979

[Rates on an annual basis per 1,000 population. Data are provisional unless otherwise specified. Data include nonlicensed marriages registered in California; see Explanatory Notes]

Month	Number			Rate		
	1979	1978	1978 (final)	1979	1978	1978 (final)
Total.....	2,359,000	2,281,000	2,282,272	10.7	10.5	10.5
January.....	131,000	118,000	114,206	7.1	6.4	6.2
February.....	135,000	125,000	128,353	8.1	7.5	7.7
March.....	150,000	163,000	150,624	8.1	8.8	8.2
April.....	189,000	164,000	177,705	10.5	9.2	9.9
May.....	221,000	213,000	202,384	11.9	11.5	10.9
June.....	277,000	287,000	261,584	15.4	16.0	14.6
July.....	227,000	211,000	231,494	12.2	11.4	12.5
August.....	254,000	256,000	239,937	13.6	13.8	12.9
September.....	204,000	202,000	222,599	11.3	11.2	12.4
October.....	199,000	173,000	184,838	10.6	9.3	10.0
November.....	187,000	180,000	174,381	10.3	10.0	9.7
December.....	181,000	187,000	194,167	9.6	10.0	10.4

MARRIAGES

During 1979 there were 2,359,000 marriages performed in the United States. This provisional number represented an increase of 3.4 percent over the final number for 1978 (2,282,272). The 1979 provisional marriage total was the largest annual number of marriages

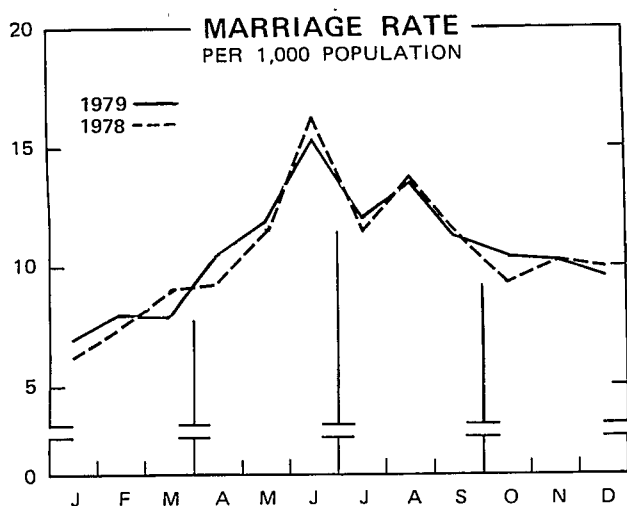
ever recorded in the United States, exceeding by about 68,000 the previous peak of 2,291,045 recorded in 1946.

The provisional marriage rate for 1979 was 10.7 per 1,000 population, up 2 percent over the final rate for 1978 (10.5). The 1979 rate was higher than any previous annual rate since 1973.

Table L. MARRIAGE RATES, SEASONALLY ADJUSTED AND UNADJUSTED, BY MONTH: UNITED STATES, 1978 AND 1979

[Rates on an annual basis per 1,000 women aged 15-44 years. Data are provisional unless otherwise specified. Data include nonlicensed marriages registered in California; see Explanatory Notes]

Month	Rate unadjusted for seasonal variation			Rate adjusted for seasonal variation		
	1979	1978	1978 (final)	1979	1978	1978 (final)
January.....	30.6	28.1	27.1	46.8	38.3	41.8
February.....	34.9	32.7	33.7	44.3	39.0	42.8
March.....	34.9	38.6	35.6	42.5	51.5	44.3
April.....	45.4	40.0	43.4	50.7	45.1	46.2
May.....	51.2	50.2	47.7	47.2	53.4	44.8
June.....	66.2	69.8	63.6	46.4	47.1	45.6
July.....	52.5	49.7	54.4	47.6	46.8	45.4
August.....	58.5	60.2	56.3	46.3	48.2	45.6
September.....	48.6	48.8	53.9	45.6	43.7	50.9
October.....	45.7	40.6	43.2	46.4	42.3	44.6
November.....	44.4	43.5	42.1	47.5	45.0	45.7
December.....	41.4	43.5	45.3	42.3	43.2	46.2



Provisional data for 1979 show that the number of marriages increased over final totals for 1978 in every geographic division, and the marriage rate also increased in every division except the East North Central Division. Provisional reports from each State for 1979 further indicate that the marriage rate increased in 31 States and the District of Columbia, declined in 15 States, and remained unchanged in 4 States. Nevada had the highest 1979 provisional marriage rate at 173.6 per 1,000 population. All the other States had marriage rates between 7.4 (Massachusetts) and 18.4 (South Carolina).

DIVORCES

During 1979 an estimated 1,170,000 divorces were granted in the United States. This was 3.5 percent higher than the final total for 1978 (1,130,000). The increase of an estimated 40,000 divorces between 1978 and 1979 indicates a continuation of the somewhat larger rate of growth in the divorce total than that recorded in the period of marked slowdown between 1976 and 1977.

Table M. MARRIAGES, DIVORCES, AND RATES: UNITED STATES, 1958-79

[Rates on an annual basis per 1,000 population. Data refer only to events occurring in the United States. Alaska included beginning with 1959 and Hawaii with 1960]

Year	Marriage		Divorce	
	Number	Rate ¹	Number	Rate ¹
1979 ²	2,359,000	10.7	1,170,000	5.3
1978 ³	2,282,272	10.5	1,130,000	5.2
1977.....	2,178,367	10.1	1,091,000	5.0
1976.....	2,154,807	10.0	1,083,000	5.0
1975.....	2,152,662	10.1	1,036,000	4.9
1974.....	2,229,667	10.5	977,000	4.6
1973.....	2,284,108	10.9	915,000	4.4
1972.....	2,282,154	11.0	845,000	4.1
1971.....	2,190,481	10.6	773,000	3.7
1970.....	2,158,802	10.6	708,000	3.5
1969.....	2,145,000	10.6	639,000	3.2
1968.....	2,069,000	10.4	584,000	2.9
1967.....	1,927,000	9.7	523,000	2.6
1966.....	1,857,000	9.5	499,000	2.5
1965.....	1,800,000	9.3	479,000	2.5
1964.....	1,725,000	9.0	450,000	2.4
1963.....	1,654,000	8.8	428,000	2.3
1962.....	1,577,000	8.5	413,000	2.2
1961.....	1,548,000	8.5	414,000	2.3
1960.....	1,523,000	8.5	393,000	2.2
1959.....	1,494,000	8.5	395,000	2.2
1958.....	1,451,000	8.4	368,000	2.1

¹Rates are based on population enumerated as of April 1 for 1960 and 1970 and estimated as of July 1 for all other years.

²Provisional.

³Beginning with 1978, marriage data include nonlicensed marriages registered in California; see Explanatory Notes.

In 1979 the provisional divorce rate increased to 5.3 per 1,000 population, up slightly over the final rate of 5.2 for 1978. Except for 1977, the annual divorce rate has increased each year since 1966.

In comparison with 1978 final divorce rates, the 1979 provisional divorce rates for the 49 reporting areas indicate that the rate increased in 32 States and the District of Columbia and decreased in 11 States. Except for Nevada, all areas reporting in 1979 had divorce rates between 3.0 (Massachusetts) and 8.9 (Arkansas).

EXPLANATORY NOTES

Nature and Sources of Data

All data for 1979 in this report are provisional. Data for the United States as a whole refer to events occurring within the United States; other data refer to events within the reporting areas shown.

Beginning with 1970, final birth and mortality statistics except those by place of occurrence exclude data for births and deaths to nonresidents of the United States. Final mortality statistics for 1972 are based on a 50-percent sample of deaths for that year. Data for nonresidents are included in provisional data for 1978 and 1979.

Provisional or estimated figures for births, marriages, divorces, and deaths, except data estimated from the Current Mortality Sample, summarize data from monthly reports of the numbers of birth, marriage, divorce, and death certificates received in registration offices between two dates a month apart regardless of when the events occurred. Final figures are counts of events occurring in the specified year. Monthly estimates of births and marriages for the entire United States are based on the monthly reports adjusted for observed differences from final monthly figures. State figures are not adjusted in this manner. All mortality figures exclude fetal deaths.

Marriage data by State are shown in table 1. For most States, data represent marriages performed. For some or all counties of Arizona and New York City, provisional data are marriage licenses issued; for New Mexico all data are marriage licenses issued.

The method of seasonal adjustment used for birth, fertility, and marriage rates is described in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, November 1965, published by the U.S. Bureau of the Census. Marriage rates were adjusted for monthly variation in the number of specified days of the week (Sundays, Mondays, and so forth) because marriages are more likely on some days than on others.

Beginning with final marriage statistics for 1978 and provisional data for 1978 and 1979 as shown in this report, nonlicensed (confidential) marriages registered in California are

included in marriage totals and rates. Nonlicensed California marriages have increased rapidly since reporting began, totaling 2,857 in 1973; 10,555 in 1974; 19,061 in 1975; 30,125 in 1976; 32,008 in 1977; 37,462 in 1978; and 41,961 in 1979. These nonlicensed California marriages have not been included in national totals or rates previously published for years prior to 1978. Further discussion of nonlicensed marriages is given in the final marriage statistics report for 1978.² The table below shows the number of marriages and marriage rates for the United States in 1973-77, including the reported number of nonlicensed California marriages. Rates are given per 1,000 population estimated as of July 1.

Year	Number	Rate
1977.....	2,210,375	10.2
1976.....	2,184,932	10.2
1975.....	2,171,723	10.2
1974.....	2,240,222	10.6
1973.....	2,286,965	10.9

Provisional divorce data including reported annulments are shown in table 3 for the areas reporting divorce data monthly. Divorce figures for the United States are estimated from a summary of monthly reports from 45 States and the District of Columbia. These areas contain over 90 percent of the population of the United States as enumerated in 1970.

Current Mortality Sample

The Current Mortality Sample is a 10-percent systematic sample of death certificates received each month in State vital statistics offices. Deaths and death rates for 1979 by cause, age, color, and sex were estimated from this sample.

²National Center for Health Statistics: Advance report, final marriage statistics. *Monthly Vital Statistics Report*, Vol. 29, No. 6, Supplement (1). DHHS Pub. No. (PHS) 80-1120. Public Health Service. Washington. U.S. Government Printing Office, Sept. 12, 1980.

The sample was taken from death certificates received monthly during 1979 in the vital statistics offices in the 50 States, the District of Columbia, and the independent registration area of New York City. The sample for each of these areas consists of one-tenth of the death certificates received in the office between a given date and the same date of the following month. All death certificates received during the 1-month period are sampled regardless of the month or year in which the death occurred. As a result, the monthly sample is not strictly comparable to a sample on a month-of-occurrence basis. The proportion of death certificates received in the samples for each month of 1979 representing deaths occurring in the current month and those occurring in other months are shown in the following table.

Month	Deaths occurring in—		
	Same month	Previous month	All other months
January.....	74.4	18.6	6.9
February.....	70.4	16.5	13.1
March.....	74.9	14.0	11.1
April.....	72.9	14.8	12.2
May.....	74.5	13.5	12.0
June.....	73.7	14.7	11.7
July.....	72.5	14.5	13.0
August.....	73.1	14.2	12.7
September.....	71.8	14.7	13.5
October.....	73.3	14.4	12.3
November.....	72.5	15.6	11.9
December.....	75.0	14.3	10.7

Because of the way in which death certificates are processed in California, this State contributes a high proportion of the certificates for deaths not occurring in the sample month. For the sample exclusive of California, the percent of the sample deaths occurring in the current month constitutes about 80 percent of the total as opposed to 73 percent of the entire sample. As for the year of occurrence, 96.7 percent of the 189,538 transcripts in the 1979 sample were for deaths occurring in 1979 and 3.3 percent for deaths occurring in 1978.

Correction for Bias and Adjustments to Provisional Counts

The Current Mortality Sample is selected at a specified time each month. Complete infor-

mation concerning the underlying cause of death is sometimes not available in the State offices when the sample is drawn but is available later when copies of the final death certificates are processed. As a result, estimates based on sample counts for certain causes are recurrently biased estimates of final counts. Comparisons of sample and final counts for previous years have shown that these biases are primarily associated with certain cause-of-death groups.

Due to the introduction of the Ninth Revision, some modification was made in the rules for selection of a cause of death to be corrected for bias. An ICD-9 cause of death with a comparability ratio between 0.95 and 1.05 was considered as if there had been no discontinuity between 1978 and 1979. Final and sample data for the previous 3 years—1976, 1977, and 1978—were compared for the most nearly comparable ICDA-8 cause of death. If the sample count for these years departs from one-tenth of the final count by more than would be expected on the basis of sampling variability alone, the sample deaths for the corresponding ICD-9 causes were corrected by multiplying the sample frequency by an adjusted weight. The adjusted weight used was the ratio of the number of deaths from the given ICDA-8 cause in the final count of deaths for 1976-78 to the number of deaths from this cause in the sample returns for the same years, multiplied by 10 times the 3-year average sampling fraction for all causes.

The remaining ICD-9 causes, those with a comparability ratio less than 0.95 or greater than 1.05, were then examined to determine, empirically, if failure to correct for bias would lead to greater possible error in the provisional estimate for 1979 than could be expected by the comparability discontinuity alone. On the basis of this examination, the following two causes were also chosen to be corrected for bias: Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (ICD-9 Nos. 210-239) and Symptoms, signs, and ill-defined conditions (ICD-9 Nos. 780-799). For these two causes the adjusted weights were based on data for 1976-78 for the most nearly comparable ICDA-8 categories (ICDA-8 Nos. 210-239 and ICDA-8 Nos. 780-796, respectively).

The adjusted weights which were applied to the 1979 sample for all ages are shown in the

Cause of death ¹	Adjusted weight (all ages)
Malignant neoplasms of all other and unspecified sites.....170-173,190-199	9.79
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature.....210-239	8.79
Intracerebral and other intracranial hemorrhage.....431-432	10.28
Other complications of pregnancy, childbirth, and the puerperium.....640-676	8.18
Symptoms, signs, and ill-defined conditions.....780-799	7.79
Motor vehicle accidents.....E810-E825	10.35
Suicide.....E950-E959	10.66
Homicide and legal intervention.....E960-E978	10.44
All other external causes.....E980-E999	11.02

¹Causes of death eligible to have an adjusted weight were those that had 50 or more deaths based on final data for 1978.

table above. Because of comparability discontinuities, no infant causes were corrected for bias.

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.

During the period 1968-78, causes of death were classified according to the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States, 1965* (ICDA-8).³ Causes of death in 1979 were classified according to the Ninth Revision (ICD-9).⁴ This

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

⁴World Health Organization: *Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death*, based on the recommendations of the Ninth Revision Conference, 1975. Geneva. World Health Organization, 1977.

produces some major changes in the classification of causes of death. Cause-of-death comparisons between 1978 and 1979 data require consideration of the comparability ratios and estimates of their standard errors, shown in tables 11 and 12. A description of the comparability ratios and how they were derived may be found in the report cited in footnote 1.

Comparability ratios for causes of infant mortality have been computed for the List of 8 Causes of Infant Death published in the *Monthly Vital Statistics Report* for 1968-78. Because Respiratory distress syndrome (ICDA-8 No. 776.2) and Sudden infant death syndrome (ICDA-8 No. *795.0) were contained in residual categories in this list, separate comparability ratios were not computed. However, infant mortality rates for these causes based on final data for 1978 and previous years are available and are shown in table H.

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 age-adjusted rates were based on 10-year age groups. Rates by cause for 1979 were based on the same 10-year age groups except that the age group 1-14 years was used instead of 1-4 years and 5-14 years. It is important not to compare age-adjusted death rates directly with crude rates shown in other tables.

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 may differ from those initially published in *Vital Statistics of the United States*.

Cause-of-Death Ranking

Cause-of-death ranking is based on the List of 72 Selected Causes of Death, adapted from one of the special lists for mortality tabulations recommended by the World Health Organization

for use with the Ninth Revision of the International Classification of Diseases. Two group titles—Major cardiovascular diseases and Symptoms, signs, and ill-defined conditions—are not ranked. The remaining titles are ranked according to the number of deaths for 1979 to determine the leading causes of death. When one of the titles that represents a subtotal is ranked (e.g., Tuberculosis), its component parts (in this case, Tuberculosis of respiratory system and Other tuberculosis) are not ranked.

Sampling Variability

Since the estimates of deaths and death rates presented in this report (with the exceptions of total deaths and deaths under 1 year) are based on a sample of the death certificates, they are subject to sampling variability. The estimated percent error shown in this report is a measure of the sampling error of the estimated number of deaths (or of the estimated death rate) expressed as a percent of the estimate. The chances are about 2 out of 3 that the percent difference between an estimate and the result of a complete count is less than the percent error shown. The chances are about 19 out of 20 that the percent difference is less than twice the percent error.

Two methods are used for estimating percent errors—one for the ratio estimates for the causes of death corrected for bias and the other for estimates for the remaining causes of death or for given age-color-sex groups. The percent error of a ratio estimate for a given cause of death corrected for bias for all ages is computed as follows:

$$V = 300 \sqrt{\frac{1}{10} \left(\frac{1}{x} - \frac{1}{D} \right) + \left(\frac{1}{Y} - \frac{1}{M} \right)}$$

where

- V = percent error of the estimate X
- X = the estimated number of deaths (or estimated death rate) in a given cause or age-color-sex group
- x = the number of deaths in the sample from the given cause
- D = 189,538, the total number of death certificates in the sample for 1979

Y = the final number of deaths from the given cause in the 3 years—1976, 1977, and 1978 combined

M = 5,736,825, the final count of all deaths occurring in the 3 years—1976, 1977, and 1978 combined.

The percent errors for the remaining estimates for given causes of death not requiring a correction for bias or for a given age-color-sex group are computed as follows:

$$V = 300 \sqrt{\frac{1}{X} - \frac{1}{N}}$$

where

- V = the percent error of the estimate X
- X = the estimated number of deaths from a given cause or age-color-sex group
- N = 1,906,000, the provisional number of registered deaths in 1979.

The percent error due to sampling may be obtained by using the above formula where X is the estimated number of deaths in a given group. For easy reference, the percent errors ascribable to sampling for estimates based on several levels in the number of deaths are

10	94.9	900	10.0
20	67.1	1,000	9.5
50	42.4	2,000	6.7
100	30.0	5,000	4.2
200	21.2	10,000	3.0
300	17.3	20,000	2.1
400	15.0	50,000	1.3
500	13.4	100,000	0.9
600	12.2	200,000	0.6
700	11.3	500,000	0.4
800	10.6	1,000,000	0.2

Population Bases for Computing Rates

The populations used for computing rates shown in this report represent the population residing in the specified area, as published by the U.S. Bureau of the Census. The populations for 1979 were published by the U.S. Bureau of the Census in the following issues of the *Current Population Reports*, Series P-25:

1. No. 870. "Estimates of the Population

of the United States, by Age, Race, and Sex: 1976 to 1979.”

2. No. 876. “Annual Estimates of the Population of States: July 1, 1970 to 1979.”

Infant mortality rates are based on live births. For an explanation of the method used in

computing infant mortality rates adjusted for the changing numbers of births, see “Effect of Changing Birth Rates Upon Infant Mortality Rates,” *Vital Statistics—Special Reports*, Vol. 19, No. 21, Nov. 1944 (U.S. Bureau of the Census).

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-----	*

MONTHLY VITAL STATISTICS REPORT

Table 1. LIVE BIRTHS, MARRIAGES, AND RATES: EACH REPORTING AREA, 1978 AND 1979

[By place of occurrence. Rates per 1,000 population in specified area. Data are provisional unless otherwise specified]

Area	Live births					Marriages ¹				
	Number		Rate			Number		Rate		
	1979	1978 (final)	1979	1978	1978 (final)	1979	1978 (final)	1979	1978	1978 (final)
New England	158,279	153,666	12.9	12.3	12.5	101,024	99,742	8.2	8.4	8.1
Maine	15,755	15,297	14.4	13.4	14.0	11,944	11,658	10.9	10.7	10.7
New Hampshire	12,830	12,357	14.5	14.2	14.2	9,175	9,120	10.3	10.4	10.5
Vermont	7,396	6,910	15.0	14.6	14.2	5,228	4,804	10.6	10.1	9.9
Massachusetts	73,104	70,311	12.7	12.0	12.2	42,652	42,882	7.4	8.0	7.4
Rhode Island	12,235	11,785	13.2	12.6	12.6	7,350	7,277	7.9	7.8	7.8
Connecticut	36,959	37,006	11.9	11.5	11.9	24,675	24,001	7.9	7.7	7.7
Middle Atlantic	481,466	479,024	13.1	12.8	13.0	285,611	282,459	7.8	7.7	7.7
New York	231,787	235,024	13.1	12.9	13.2	141,350	136,784	8.0	7.7	7.7
New Jersey	91,896	90,682	12.5	12.3	12.4	54,844	52,993	7.5	7.2	7.2
Pennsylvania	157,783	153,318	13.5	13.0	13.0	89,417	92,682	7.6	8.0	7.9
East North Central	647,726	622,560	15.7	15.1	15.1	396,806	394,249	9.6	9.5	9.6
Ohio	164,111	161,050	15.3	15.1	15.0	102,539	103,754	9.6	9.7	9.7
Indiana	87,452	83,513	16.2	15.6	15.5	59,613	58,050	11.0	10.8	10.8
Illinois	181,218	171,710	16.1	15.5	15.3	108,443	105,923	9.7	9.4	9.4
Michigan	142,127	137,900	15.4	14.8	15.0	86,660	88,333	9.4	9.4	9.6
Wisconsin	72,818	68,387	15.4	14.6	14.6	39,551	38,189	8.4	8.1	8.2
West North Central	279,112	267,098	16.3	15.8	15.7	170,339	168,363	10.0	10.0	9.9
Minnesota	64,939	62,367	16.0	15.6	15.5	36,298	33,480	8.9	8.4	8.3
Iowa	47,083	44,979	16.2	15.6	15.5	27,731	26,030	9.6	9.7	9.6
Missouri	78,505	75,283	16.1	15.9	15.5	52,336	52,878	10.8	11.2	10.9
North Dakota	12,769	12,126	19.4	18.6	18.6	5,977	5,651	9.1	8.7	8.7
South Dakota	12,623	12,104	18.3	17.4	17.5	9,098	10,638	13.2	15.3	15.4
Nebraska	26,093	25,424	16.6	16.1	16.2	14,032	13,711	8.9	8.6	8.7
Kansas	37,100	34,795	15.7	14.8	14.8	24,867	23,975	10.5	10.2	10.2
South Atlantic	528,204	506,624	15.1	14.6	14.6	400,272	390,527	11.4	11.2	11.3
Delaware	9,123	8,958	15.7	15.3	15.3	4,418	4,322	7.6	7.3	7.4
Maryland	50,043	48,227	12.1	11.6	11.6	45,903	45,029	11.1	10.7	10.9
District of Columbia	20,334	19,666	31.0	28.3	29.3	4,574	4,624	7.6	6.9	6.9
Virginia	73,812	70,653	14.2	13.7	13.6	58,739	58,967	11.3	11.5	11.4
West Virginia	30,263	29,732	16.1	16.9	16.0	17,733	17,275	9.4	9.3	9.3
North Carolina	84,388	82,801	15.1	14.8	14.9	45,233	43,852	8.1	7.9	7.9
South Carolina	49,956	47,654	17.0	16.2	16.4	53,968	52,960	18.4	18.2	18.2
Georgia	89,446	86,000	17.5	16.5	16.9	65,898	68,171	12.9	13.3	13.4
Florida	120,839	112,933	13.6	13.1	13.0	103,406	95,327	11.7	11.0	11.0
East South Central	238,984	231,878	16.9	16.6	16.6	171,445	² 165,830	12.2	11.9	² 11.9
Kentucky	60,182	58,295	17.1	16.7	16.7	36,513	² 33,301	10.4	9.7	² 9.5
Tennessee	72,261	70,248	16.5	16.2	16.2	59,407	57,529	13.6	13.3	13.3
Alabama	60,628	59,185	16.1	15.7	15.9	48,807	47,720	12.9	12.8	12.8
Mississippi	45,913	44,150	18.9	19.0	18.3	26,718	27,280	11.0	11.2	11.3
West South Central	426,701	395,665	19.0	17.7	18.0	285,958	276,483	12.7	12.3	12.5
Arkansas	35,008	33,822	16.1	15.3	15.6	24,947	25,096	11.4	10.7	11.6
Louisiana	79,413	75,029	19.8	19.1	18.9	41,816	39,877	10.4	9.9	10.0
Oklahoma	47,214	44,266	16.3	15.2	15.6	44,452	43,683	15.4	15.0	15.4
Texas	265,066	242,548	19.8	18.2	18.6	174,743	167,827	13.1	12.6	12.9
Mountain	215,659	201,649	20.2	19.5	19.5	244,766	234,451	22.9	22.8	22.6
Montana	13,803	13,243	17.6	16.8	17.0	8,246	8,136	10.5	10.4	10.4
Idaho	19,686	18,878	21.8	21.4	21.4	13,568	13,570	15.0	15.7	15.4
Wyoming	8,946	8,168	19.9	19.1	19.2	6,032	6,298	13.4	14.6	14.8
Colorado	47,813	44,511	17.2	16.6	16.4	31,889	31,129	11.5	11.4	11.5
New Mexico	25,570	23,266	20.6	18.1	19.1	16,785	16,582	13.5	14.1	13.6
Arizona	45,707	43,014	18.7	18.3	18.1	29,549	27,725	12.1	12.0	11.7
Utah	42,304	39,788	30.9	30.6	30.2	16,823	16,365	12.3	12.6	12.4
Nevada	11,830	10,811	16.9	16.5	16.2	121,874	114,646	173.6	173.0	172.1
Pacific	487,865	480,136	16.0	16.1	16.1	285,578	270,168	9.4	8.9	9.0
Washington	55,077	58,421	14.0	15.3	15.4	45,809	45,210	11.7	11.6	11.9
Oregon	42,984	40,015	17.0	16.3	16.3	21,907	21,055	8.7	8.6	8.6
California ³	363,463	356,196	16.0	16.0	16.0	201,133	188,056	8.9	8.4	8.4
Alaska	8,912	8,752	22.0	21.7	21.3	5,071	5,111	12.5	12.7	12.4
Hawaii	17,429	16,752	19.0	18.6	18.6	11,658	10,736	12.7	11.9	11.9

¹Data are either marriages reported or marriage licenses issued; see Explanatory Notes.²Data are incomplete.³Marriage data include nonlicensed marriages; see Explanatory Notes.

MONTHLY VITAL STATISTICS REPORT

Table 2. DEATHS, INFANT DEATHS, AND RATES: EACH REPORTING AREA, 1978 AND 1979

[By place of occurrence. Rates for deaths at all ages are per 1,000 population. Infant mortality rates are deaths under 1 year per 1,000 live births. Data are provisional unless otherwise specified]

Area	Deaths (all ages)					Infant deaths (under 1 year)				
	Number		Rate			Number		Rate		
	1979	1978 (final)	1979	1978	1978 (final)	979	1978 (final)	1979	1978	1978 (final)
New England	110,061	110,037	9.0	9.1	9.0	1,706	1,751	10.8	10.0	11.4
Maine	10,367	10,149	9.5	9.3	9.3	152	154	9.6	9.2	10.1
New Hampshire	7,287	7,214	8.2	8.3	8.3	131	117	10.2	8.3	9.5
Vermont	4,364	4,496	8.9	9.4	9.2	57	85	7.7	11.4	12.3
Massachusetts	52,624	52,915	9.1	9.3	9.2	784	785	10.5	9.7	11.2
Rhode Island	9,295	9,103	10.0	9.7	9.8	186	184	15.2	15.7	15.6
Connecticut	26,124	26,160	8.4	8.4	8.4	416	426	11.3	9.6	11.5
Middle Atlantic	342,332	351,012	9.3	9.5	9.5	6,849	6,539	14.2	14.9	13.7
New York	160,937	166,845	9.1	9.3	9.4	3,661	3,332	15.8	16.3	14.2
New Jersey	64,126	64,381	8.7	8.8	8.8	1,089	1,055	11.9	11.8	11.6
Pennsylvania	117,269	119,786	10.0	10.2	10.2	2,099	2,152	13.3	14.8	14.0
East North Central	351,921	358,619	8.5	8.7	8.7	8,326	8,533	12.9	13.0	13.7
Ohio	93,197	96,384	8.7	9.1	9.0	1,966	2,190	12.0	13.0	13.6
Indiana	47,153	47,449	8.7	8.8	8.8	1,126	1,025	12.9	12.2	12.3
Illinois	100,218	100,783	8.9	8.9	9.0	2,750	2,656	15.2	14.7	15.5
Michigan	72,480	73,837	7.9	8.0	8.0	1,916	1,905	13.5	13.4	13.8
Wisconsin	38,873	40,166	8.2	8.7	8.6	568	757	7.8	9.2	11.1
West North Central	153,715	159,088	9.0	9.4	9.3	3,324	3,613	11.9	13.3	13.5
Minnesota	32,450	33,998	8.0	8.5	8.4	706	787	10.9	12.3	12.6
Iowa	26,237	27,035	9.0	9.4	9.3	476	537	10.1	11.8	11.9
Missouri	48,558	50,439	10.0	10.7	10.4	1,165	1,236	14.8	16.0	16.4
North Dakota	5,566	5,687	8.5	8.8	8.7	161	155	12.6	13.1	12.8
South Dakota	6,236	6,365	9.1	9.2	9.2	126	155	10.0	12.0	12.8
Nebraska	14,116	14,518	9.0	9.3	9.3	305	349	11.7	13.8	13.7
Kansas	20,552	21,046	8.7	8.9	9.0	385	394	10.4	11.5	11.3
South Atlantic	319,722	318,809	9.1	9.2	9.2	7,847	7,888	14.9	15.3	15.6
Delaware	5,048	5,099	8.7	8.7	8.7	144	118	15.8	12.0	13.2
Maryland	32,002	32,402	7.7	7.8	7.8	623	659	12.4	14.4	13.7
District of Columbia	9,042	8,766	13.8	13.0	13.1	392	486	19.3	23.1	24.7
Virginia	40,183	40,206	7.7	7.8	7.8	1,049	965	14.2	13.3	13.7
West Virginia	19,140	19,618	10.2	10.8	10.5	413	466	13.6	15.1	15.7
North Carolina	47,168	47,717	8.4	8.5	8.6	1,292	1,376	15.3	16.3	16.6
South Carolina	23,736	23,461	8.1	8.1	8.1	859	888	17.2	18.5	18.6
Georgia	42,646	43,837	8.3	8.5	8.6	1,264	1,313	14.1	14.7	15.3
Florida	100,757	97,703	11.4	11.4	11.3	1,811	1,617	15.0	14.2	14.3
East South Central	130,840	131,664	9.3	9.4	9.4	3,495	3,548	14.6	15.3	15.3
Kentucky	32,552	33,180	9.2	9.5	9.5	710	682	11.8	12.0	11.7
Tennessee	41,264	41,122	9.4	9.5	9.5	1,094	1,129	15.1	16.1	16.1
Alabama	34,304	34,478	9.1	9.2	9.2	872	946	14.4	16.4	16.0
Mississippi	22,720	22,884	9.4	9.5	9.5	819	791	17.8	17.1	17.9
West South Central	191,169	190,007	8.5	8.5	8.6	5,403	5,897	12.7	14.6	14.9
Arkansas	21,554	21,742	9.9	9.9	10.0	442	509	12.6	14.3	15.0
Louisiana	34,918	35,539	8.7	9.0	8.9	1,177	1,331	14.8	17.8	17.7
Oklahoma	27,204	27,130	9.4	9.3	9.5	527	636	11.2	13.8	14.4
Texas	107,493	105,596	8.0	7.9	8.1	3,257	3,421	12.3	13.8	14.1
Mountain	77,823	76,522	7.3	7.4	7.4	2,617	2,455	12.1	12.4	12.2
Montana	6,407	6,402	8.2	8.2	8.2	136	135	9.9	10.0	10.2
Idaho	6,061	6,169	6.7	7.0	7.0	155	181	7.9	9.7	9.6
Wyoming	2,929	3,050	6.5	7.1	7.2	80	75	8.9	9.0	9.2
Colorado	19,057	18,967	6.9	7.1	7.0	542	541	11.3	11.9	12.2
New Mexico	8,596	8,409	6.9	7.0	6.9	344	313	13.5	14.5	13.5
Arizona	20,385	19,799	8.3	8.3	8.3	671	587	14.7	15.0	13.6
Utah	8,546	8,256	6.3	6.3	6.3	536	491	12.7	12.0	12.3
Nevada	5,842	5,470	8.3	7.9	8.2	153	132	12.9	11.3	12.2
Pacific	227,288	234,869	7.5	7.7	7.9	5,456	5,803	11.2	11.8	12.1
Washington	29,496	30,730	7.5	8.0	8.1	599	759	10.9	11.5	13.0
Oregon	21,071	21,007	8.3	8.6	8.6	477	530	11.1	13.2	13.2
California	169,954	176,579	7.5	7.7	7.9	4,052	4,202	11.1	11.6	11.8
Alaska	1,639	1,695	4.0	4.4	4.1	137	115	15.4	16.3	13.1
Hawaii	5,128	4,858	5.6	5.4	5.4	191	197	11.0	11.8	11.8

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Table 3. DIVORCES AND DIVORCE RATES: UNITED STATES AND EACH REPORTING AREA, 1978 AND 1979

[By place of occurrence. Rates per 1,000 population in specified area. Data are provisional unless otherwise specified]

Area	Number		Rate		
	1979	1978 (final)	1979	1978	1978 (final)
United States ¹	1,170,000	1,130,000	5.3	5.2	5.2
Total, 49 areas.....	1,119,279	1,077,543	5.3	5.1	5.2
Alabama.....	26,900	25,059	7.1	6.8	6.7
Alaska.....	3,513	3,469	8.7	8.3	8.4
Arizona.....	19,917	17,320	8.1	7.4	7.3
Arkansas.....	19,337	19,964	8.9	8.9	9.2
California.....	137,714	133,402	6.1	6.0	6.0
Colorado.....	16,688	18,590	6.0	6.6	6.9
Connecticut.....	12,780	12,765	4.1	4.1	4.1
Delaware.....	3,166	3,302	5.4	5.6	5.7
District of Columbia.....	4,173	3,437	6.4	5.2	5.1
Florida.....	70,155	65,831	7.9	7.7	7.6
Georgia.....	32,842	31,554	6.4	6.2	6.2
Hawaii.....	5,035	4,837	5.5	5.4	5.4
Idaho.....	6,519	6,356	7.2	7.3	7.2
Illinois.....	53,842	50,311	4.8	4.2	4.5
Iowa.....	11,403	11,123	3.9	3.8	3.8
Kansas.....	13,017	12,668	5.5	5.4	5.4
Kentucky.....	16,913	2 ^{13,759}	4.8	4.0	23.9
Maine.....	6,110	6,192	5.6	5.7	5.7
Maryland.....	15,541	16,497	3.7	3.8	4.0
Massachusetts.....	17,405	16,160	3.0	3.1	2.8
Michigan.....	45,951	45,029	5.0	4.9	4.9
Minnesota.....	14,705	14,393	3.6	3.5	3.6
Mississippi.....	12,901	13,313	5.3	5.4	5.5
Missouri.....	28,467	26,308	5.8	5.4	5.4
Montana.....	5,159	4,884	6.6	6.2	6.3
Nebraska.....	6,021	6,066	3.8	3.9	3.9
Nevada.....	10,465	11,213	14.9	15.1	16.8
New Hampshire.....	5,051	4,721	5.7	5.1	5.4
New Jersey.....	23,544	26,575	3.2	3.6	3.6
New Mexico.....	9,329	9,608	7.5	7.6	7.9
New York.....	59,898	58,043	3.4	3.2	3.3
North Carolina.....	27,523	26,558	4.9	4.8	4.8
North Dakota.....	2,076	2,071	3.2	3.2	3.2
Ohio.....	60,108	59,200	5.6	5.4	5.5
Oklahoma.....	22,823	22,439	7.9	7.8	7.9
Oregon.....	17,709	16,965	7.0	6.9	6.9
Pennsylvania.....	39,689	38,261	3.4	3.3	3.3
Rhode Island.....	3,599	3,475	3.9	3.7	3.7
South Carolina.....	13,965	11,901	4.8	4.2	4.1
South Dakota.....	2,635	2,449	3.8	3.5	3.5
Tennessee.....	32,349	28,412	7.4	6.6	6.6
Texas.....	91,454	85,784	6.8	6.6	6.6
Utah.....	7,542	7,128	5.5	5.5	5.4
Vermont.....	2,296	2,055	4.7	4.7	4.2
Virginia.....	23,648	22,654	4.6	4.4	4.4
Washington.....	26,802	26,485	6.8	6.9	7.0
West Virginia.....	10,066	9,698	5.4	5.2	5.2
Wisconsin.....	16,880	16,129	3.6	3.4	3.4
Wyoming.....	3,654	3,130	8.1	7.4	7.4

¹Estimated.²Data are incomplete.

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Table 4. ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION: UNITED STATES, 1979

[For explanation of the columns of the life table, see Section 5 of *Vital Statistics of the United States, 1976, Volume II, Part A*]

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 $x+n$	n^q_x	l_x	n^d_x	n^L_x	T_x	e_x
0-1	0.0130	100,000	1,304	98,862	7,378,296	73.8
1-5	0.0025	98,696	245	394,215	7,279,434	73.8
5-10	0.0016	98,451	162	491,820	6,885,219	69.9
10-15	0.0018	98,289	181	491,063	6,383,399	65.0
15-20	0.0051	98,108	498	489,411	5,902,336	60.2
20-25	0.0068	97,610	661	486,419	5,412,925	55.5
25-30	0.0069	96,949	667	483,077	4,926,506	50.8
30-35	0.0070	96,282	676	479,793	4,443,429	46.2
35-40	0.0091	95,606	866	476,004	3,963,636	41.5
40-45	0.0140	94,740	1,326	470,603	3,487,632	36.8
45-50	0.0220	93,414	2,058	462,246	3,017,029	32.3
50-55	0.0358	91,356	3,269	449,115	2,554,783	28.0
55-60	0.0532	88,087	4,690	429,342	2,105,668	23.9
60-65	0.0821	83,397	6,847	400,657	1,676,326	20.1
65-70	0.1133	76,550	8,671	361,917	1,275,669	16.7
70-75	0.1670	67,879	11,332	311,962	913,752	13.5
75-80	0.2586	56,547	14,624	246,686	601,790	10.6
80-85	0.3578	41,923	14,998	171,512	355,104	8.5
85 and over	1.0000	26,925	26,925	183,592	183,592	6.8

Table 5. DEATH RATES BY MONTH: UNITED STATES, 1965-79

[For 1979, based on provisional figures; for all other years, based on final data. Rates on an annual basis per 1,000 population]

Month	1979	1978	1977	1976	1975	1974	1973	1972 ¹	1971	1970	1969	1968	1967	1966	1965
Annual.....	8.7	8.8	8.8	8.9	8.9	9.2	9.4	9.4	9.3	9.5	9.5	9.7	9.4	9.5	9.4
January.....	9.1	10.6	9.5	9.3	10.1	9.6	10.8	11.0	10.0	10.6	10.9	11.6	9.8	10.1	10.1
February.....	9.5	9.7	9.3	10.2	9.9	9.6	10.2	10.3	10.0	10.4	9.8	10.0	9.8	10.1	10.4
March.....	8.8	8.9	9.1	9.9	9.1	9.6	9.3	9.3	9.6	9.5	9.8	9.6	9.6	9.9	10.1
April.....	8.9	8.6	8.8	9.0	8.8	9.5	9.3	9.2	9.5	9.3	9.4	9.2	9.3	9.9	9.5
May.....	8.4	8.6	8.6	8.5	8.6	8.9	9.2	9.1	9.2	9.1	9.3	9.1	9.3	9.4	9.2
June.....	8.4	8.4	8.4	8.4	8.5	8.8	9.1	8.9	9.2	9.0	9.2	9.2	9.1	9.3	9.1
July.....	8.5	8.4	8.6	8.3	8.5	8.9	9.0	9.3	8.9	9.1	9.2	9.1	8.9	9.6	8.9
August.....	8.3	8.2	8.2	8.1	8.4	8.5	8.9	8.9	8.8	8.8	8.9	9.0	8.7	8.7	8.7
September.....	8.1	8.3	8.2	8.2	8.4	8.7	9.0	8.8	8.8	8.8	8.8	8.8	8.9	8.8	8.8
October.....	8.5	8.6	8.7	8.6	8.6	9.0	9.1	9.2	9.1	9.2	9.2	9.1	9.2	9.3	9.3
November.....	8.8	8.7	8.7	8.9	8.6	9.0	9.4	9.4	9.4	9.5	9.6	9.7	9.5	9.3	9.5
December.....	8.8	9.1	9.4	9.2	9.1	9.6	9.7	10.0	9.9	9.7	10.0	11.3	10.2	9.8	9.9

¹Based on a 50-percent sample of deaths.

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Table 6. DEATH RATES BY AGE, COLOR, AND SEX: UNITED STATES, 1950, 1960, AND 1970-79

[For 1979, based on a 10-percent sample of deaths; for all other years, based on final data. Rates per 100,000 population in specified group]

Color, sex, and year	All ages ¹	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
TOTAL												
1979 (est.).....	866.2	1,372.5	62.7	34.8	118.2	139.1	227.9	588.5	1,371.1	2,921.9	7,014.0	13,831.0
1978.....	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
1977.....	878.1	1,485.6	68.8	34.6	117.1	136.2	247.5	620.7	1,434.9	3,055.6	7,181.9	14,725.9
1976.....	889.6	1,595.0	69.9	34.7	113.5	136.2	254.1	634.8	1,475.6	3,127.6	7,331.6	15,486.9
1975.....	888.5	1,641.0	70.8	35.7	118.9	143.2	266.8	649.6	1,495.5	3,189.2	7,359.2	15,187.9
1974.....	915.1	1,755.7	73.9	38.2	121.7	146.8	278.6	675.0	1,549.2	3,327.6	7,654.8	16,532.8
1973.....	940.2	1,805.2	79.5	41.0	128.3	153.6	295.9	697.4	1,611.9	3,440.0	7,932.1	17,429.4
1972 ²	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
1971.....	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
1970.....	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
1960.....	954.7	2,696.4	109.1	46.6	106.3	146.4	299.4	756.0	1,735.1	3,822.1	8,745.2	19,857.5
1950.....	963.8	3,299.2	139.4	60.1	128.1	178.7	358.7	853.9	1,901.0	3,410.3	9,331.1	20,196.9
MALE												
1979 (est.).....	974.7	1,552.4	67.8	44.2	179.9	204.6	303.4	767.1	1,855.6	4,018.2	9,127.3	16,077.8
1978.....	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
1977.....	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
1976.....	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
1975.....	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
1974.....	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
1973.....	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
1972 ²	1,080.3	2,063.6	90.0	48.9	188.1	211.8	386.6	940.0	2,245.6	4,816.6	10,124.0	19,595.8
1971.....	1,072.6	2,142.4	90.8	49.5	186.2	214.0	392.5	931.5	2,226.2	4,760.5	9,919.1	19,746.5
1970.....	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	17,821.5
1960.....	1,104.5	3,059.3	119.5	55.7	152.1	187.9	372.8	992.2	2,309.5	4,914.4	10,178.4	21,186.3
1950.....	1,106.1	3,728.0	151.7	70.9	167.9	216.5	428.8	1,067.1	2,395.3	4,931.4	10,426.0	21,636.0
FEMALE												
1979 (est.).....	763.4	1,184.3	57.2	25.0	55.7	75.2	156.5	420.5	936.4	2,078.1	5,739.3	12,829.4
1978.....	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
1977.....	768.2	1,303.5	60.8	26.3	60.7	80.1	175.6	439.3	985.0	2,152.8	5,846.7	13,542.3
1976.....	778.3	1,419.0	61.3	26.5	58.6	82.3	180.5	448.3	1,005.5	2,198.3	6,002.5	14,312.1
1975.....	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
1974.....	795.6	1,530.7	65.2	29.1	61.7	89.9	202.7	473.7	1,049.8	2,361.0	6,329.5	15,387.6
1973.....	814.2	1,568.8	69.9	31.6	66.4	94.4	215.6	493.1	1,075.8	2,445.5	6,562.5	16,234.0
1972 ²	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
1971.....	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
1970.....	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
1960.....	809.2	2,321.3	98.4	37.3	61.3	106.6	229.4	526.7	1,196.4	2,871.8	7,633.1	19,008.4
1950.....	823.5	2,854.6	126.7	48.9	89.1	142.7	290.3	641.5	1,404.8	3,333.2	8,399.6	19,194.7
WHITE												
1979 (est.).....	879.3	1,160.1	57.2	33.9	115.4	120.0	198.4	538.8	1,303.3	2,865.1	6,953.1	14,474.9
1978.....	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
1977.....	888.2	1,266.2	62.5	33.1	112.8	117.6	213.2	567.9	1,361.0	2,985.3	7,164.0	15,292.2
1976.....	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
1975.....	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
1974.....	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
1973.....	944.2	1,565.1	71.4	38.8	118.5	128.2	252.0	633.6	1,529.5	3,335.2	7,976.7	17,926.6
1972 ²	946.4	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
1971.....	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
1970.....	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	16,899.7
1960.....	947.8	2,357.7	95.2	43.9	99.1	123.6	260.4	692.3	1,632.8	3,739.8	8,827.2	20,364.5
1950.....	945.7	2,992.6	124.1	56.4	111.7	148.3	307.6	765.0	1,799.6	4,023.1	9,416.5	20,678.6
WHITE, MALE												
1979 (est.).....	980.0	1,330.0	60.8	43.5	176.1	174.2	259.8	705.8	1,768.5	3,975.4	9,127.5	16,965.5
1978.....	999.8	1,359.6	71.7	39.2	168.5	166.7	268.1	733.8	1,819.2	4,135.6	9,420.5	18,100.3
1977.....	998.2	1,429.7	69.7	40.6	167.3	165.9	276.6	747.8	1,848.9	4,181.3	9,440.7	18,041.7
1976.....	1,010.4	1,511.8	71.9	40.7	159.4	161.7	283.7	765.9	1,915.5	4,281.1	9,595.0	18,767.6
1975.....	1,015.3	1,594.4	71.3	41.5	165.9	169.1	295.8	790.2	1,954.5	4,355.8	9,608.1	18,257.9
1974.....	1,041.6	1,727.0	75.3	44.8	168.8	170.6	305.1	820.3	2,026.1	4,509.6	9,903.1	19,543.7
1973.....	1,071.2	1,776.5	79.8	47.0	176.2	177.6	324.4	839.7	2,118.2	4,653.9	10,214.3	20,436.1
1972 ²	1,077.3	1,800.4	82.5	47.0	170.7	172.5	325.4	861.4	2,160.8	4,746.7	10,227.3	20,266.2
1971.....	1,069.6	1,876.5	81.9	46.4	167.1	174.4	334.9	860.6	2,145.1	4,696.5	10,027.1	20,420.4
1970.....	1,086.7	2,113.2	83.6	48.0	170.8	176.6	343.5	882.9	2,202.6	4,810.1	10,098.8	18,551.7
1960.....	1,098.5	2,694.1	104.9	52.7	143.7	163.2	326.6	932.2	2,225.2	4,848.4	10,299.6	21,750.0
1950.....	1,089.5	3,400.5	135.5	67.2	152.4	185.3	380.9	984.5	2,304.4	4,864.9	10,526.3	22,116.3

See footnotes at end of table.

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Table 6. DEATH RATES BY AGE, COLOR, AND SEX: UNITED STATES, 1950, 1960, AND 1970-79—Con.

[For 1979, based on a 10-percent sample of deaths; for all other years, based on final data. Rates per 100,000 population in specified group]

Color, sex, and year	All ages ¹	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
WHITE, FEMALE												
1979 (est.).....	783.4	981.1	53.4	23.9	53.2	65.6	138.8	379.5	883.0	2,012.6	5,662.2	13,374.6
1978.....	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
1977.....	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
1976.....	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
1975.....	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
1974.....	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
1973.....	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
1972 ²	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
1971.....	809.7	1,422.9	66.2	30.7	60.2	83.0	189.8	450.6	1,003.3	2,386.6	6,558.8	16,629.2
1970.....	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
1960.....	800.9	2,007.7	85.2	34.7	54.9	85.0	191.1	458.8	1,078.9	2,779.3	7,696.6	19,477.7
1950.....	803.3	2,566.8	112.2	45.1	71.5	112.8	235.8	546.4	1,293.8	3,242.8	8,481.5	19,679.5
ALL OTHER												
1979 (est.).....	783.2	2,388.4	87.3	39.2	134.2	263.8	433.1	958.3	1,988.9	3,435.5	7,716.0	8,291.7
1978.....	805.1	2,456.7	99.0	41.9	137.6	250.3	466.3	990.7	2,085.5	3,620.8	7,558.2	9,228.7
1977.....	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
1976.....	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
1975.....	833.6	2,765.3	101.0	45.4	162.8	295.8	529.8	1,077.8	2,176.4	3,970.7	7,076.1	10,102.9
1974.....	869.1	2,922.9	107.8	47.3	174.1	314.4	568.4	1,153.3	2,285.1	4,266.9	7,080.8	11,245.5
1973.....	912.6	3,020.1	121.1	53.0	187.4	334.2	609.9	1,235.4	2,399.7	4,470.8	7,419.6	12,137.9
1972 ²	920.9	3,125.6	120.0	49.9	199.1	349.2	642.5	1,260.4	2,406.0	4,490.1	7,338.6	11,854.1
1971.....	921.5	3,250.7	126.4	54.3	209.0	355.0	649.4	1,242.6	2,380.8	4,414.7	7,271.7	11,990.5
1970.....	938.4	3,597.1	134.1	53.7	203.6	348.7	664.3	1,290.9	2,431.1	4,488.4	7,511.1	10,750.3
1960.....	1,008.5	4,626.4	190.8	64.3	158.2	318.6	633.4	1,342.9	2,774.6	4,784.9	7,631.1	13,907.6
1950.....	1,119.4	5,368.4	250.8	86.0	251.3	440.2	805.3	1,706.1	3,126.6	5,205.0	8,039.7	14,473.6
ALL OTHER, MALE												
1979 (est.).....	940.5	2,622.8	100.1	47.7	201.5	418.5	633.7	1,244.7	2,671.5	4,400.6	9,125.0	9,265.1
1978.....	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
1977.....	967.1	2,780.4	108.1	52.8	205.1	396.8	671.7	1,354.5	2,772.7	4,682.2	8,783.8	11,286.1
1976.....	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
1975.....	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
1974.....	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	8,555.6	12,782.5
1973.....	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	8,965.7	13,605.7
1972 ²	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
1971.....	1,094.1	3,610.0	138.9	66.7	312.0	516.1	852.8	1,572.0	3,013.1	5,377.6	8,746.0	13,351.0
1970.....	1,115.9	4,020.0	144.7	65.0	304.6	504.1	873.5	1,646.1	3,046.6	5,474.4	8,981.0	11,405.2
1960.....	1,152.0	5,189.4	207.3	75.2	213.8	386.4	729.2	1,551.0	3,151.5	5,664.0	8,662.6	15,238.7
1950.....	1,251.1	5,991.6	271.2	97.1	289.9	496.2	860.7	1,857.3	3,480.8	5,794.9	9,029.6	16,022.1
ALL OTHER, FEMALE												
1979 (est.).....	640.3	2,146.4	74.3	30.6	69.2	132.5	269.2	710.6	1,407.8	2,676.9	6,682.0	7,777.1
1978.....	664.5	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
1977.....	672.5	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
1976.....	680.0	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
1975.....	682.5	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
1974.....	716.3	2,614.2	98.2	35.8	93.4	184.0	402.8	852.2	1,716.3	3,442.8	6,015.4	10,342.3
1973.....	755.4	2,697.2	106.5	39.2	103.9	194.1	439.6	926.0	1,821.7	3,662.0	6,291.8	11,115.9
1972 ²	755.5	2,815.9	110.2	40.3	103.9	208.3	455.1	929.4	1,830.2	3,678.9	6,178.0	10,939.0
1971.....	763.3	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
1970.....	775.3	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
1960.....	872.6	4,067.1	174.4	53.4	106.1	260.0	547.3	1,144.9	2,409.7	3,981.4	6,708.4	12,871.2
1950.....	993.5	4,749.0	230.3	75.0	216.4	390.4	754.0	1,554.9	3,276.3	4,610.7	7,064.7	13,366.8

¹Figures for age not stated included in "All ages" but not distributed among age groups.
²Based on a 50-percent sample of deaths.
³Based on enumerated population adjusted for age bias in the "All other" population at ages 55-69 years.

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Table 7. DEATHS AND DEATH RATES, BY AGE, COLOR, AND SEX: UNITED STATES, 1979

[Based on a 10-percent sample of deaths. Rates per 100,000 population in specified group. Due to rounding estimates of deaths, figures may not add to totals]

Age	Total			White			All other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
NUMBER									
All ages	1,906,000	1,042,960	863,350	1,670,310	908,040	762,270	236,000	134,920	101,080
Under 1 year	45,000	26,080	18,960	31,450	18,500	12,950	13,590	7,580	6,010
1-4 years	7,750	4,290	3,460	5,800	3,160	2,640	1,950	1,130	820
5-14 years	12,040	7,800	4,240	9,690	6,360	3,330	2,350	1,440	910
15-24 years	48,920	37,490	11,450	40,410	31,200	9,210	8,530	6,290	2,240
25-34 years	48,510	35,300	13,250	36,210	26,310	9,900	12,340	8,990	3,350
35-44 years	57,140	37,050	20,130	43,460	28,020	15,440	13,720	9,030	4,690
45-54 years	135,070	85,430	49,680	108,930	69,660	39,270	26,180	15,770	10,410
55-59 years	123,930	79,300	44,630	104,470	66,910	37,560	19,460	12,390	7,070
60-64 years	163,400	104,680	58,720	141,510	91,530	49,980	21,890	13,150	8,740
65-69 years	207,640	128,020	79,620	181,720	113,240	68,480	25,920	14,780	11,140
70-74 years	238,590	138,870	99,720	212,290	124,210	88,080	26,300	14,660	11,640
75-79 years	252,650	133,050	119,600	226,830	119,410	107,420	25,820	13,640	12,180
80-84 years	242,150	109,280	132,870	224,220	101,020	123,200	17,930	8,260	9,670
85 years and over	322,540	115,760	206,810	302,670	108,070	194,600	19,900	7,690	12,210
Not stated	820	560	270	630	420	210	200	140	60
RATE									
All ages ¹	866.2	974.7	763.4	879.3	980.0	783.4	783.2	940.5	640.3
Under 1 year	1,372.5	1,552.4	1,184.3	1,160.1	1,330.0	981.1	2,388.4	2,622.8	2,146.4
1-4 years	62.7	67.8	57.2	57.2	60.8	53.4	87.3	100.1	74.3
5-14 years	34.8	44.2	25.0	33.9	43.5	23.9	39.2	47.7	30.6
15-24 years	118.2	179.9	55.7	115.4	176.1	53.2	134.2	201.5	69.2
25-34 years	139.1	204.6	75.2	120.0	174.2	65.6	263.8	418.5	132.5
35-44 years	227.9	303.4	156.5	198.4	259.8	138.8	433.1	633.7	289.2
45-54 years	588.5	767.1	420.5	538.8	705.8	379.5	958.3	1,244.7	710.6
55-59 years	1,090.3	1,460.9	751.5	1,023.9	1,368.9	706.7	1,671.8	2,294.4	1,133.0
60-64 years	1,704.7	2,333.0	1,151.8	1,632.2	2,248.3	1,086.8	2,392.3	3,161.1	1,751.5
65-69 years	2,390.0	3,312.3	1,650.8	2,346.0	3,279.5	1,595.2	2,751.6	3,587.4	2,101.9
70-74 years	3,623.8	5,000.7	2,619.4	3,534.6	4,929.0	2,526.7	4,550.2	5,704.3	3,626.2
75-79 years	5,911.3	7,929.1	4,607.1	5,758.6	7,809.7	4,457.3	7,707.5	9,154.4	6,513.4
80-84 years	8,710.4	11,185.3	7,369.4	8,799.8	11,401.8	7,408.3	7,728.4	9,076.9	6,907.1
85 years and over	13,831.0	16,077.8	12,829.4	14,474.9	16,965.5	13,374.6	8,291.7	9,265.1	7,777.1

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

Table 8. AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES FOR 15 LEADING CAUSES AND SELECTED COMPONENTS: UNITED STATES, 1979

[Based on a 10-percent sample of deaths. Rates per 100,000 population in specified group]

Cause of death (Ninth Revision International Classification of Diseases, 1975)	All ages	Under 1 year	1-14 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 ¹
All causes.....	866.2	1,372.5	42.1	118.2	139.1	227.9	588.5	1,371.1	2,921.9	7,014.0	13,831.0	587.4
Diseases of heart.....390-398,402,404-429	331.3	18.6	0.9	2.3	7.6	46.4	183.0	514.4	1,206.6	3,151.3	6,704.5	203.0
Rheumatic fever and rheumatic heart disease.....390-398	3.4	-	-	0.1	0.4	1.4	3.7	7.8	15.6	21.5	24.0	2.5
Hypertensive heart disease.....402	9.3	-	0.0	0.0	0.4	1.7	6.8	16.6	34.8	85.5	152.2	6.0
Hypertensive heart and renal disease.....404	1.4	-	-	0.0	0.0	0.1	0.3	0.9	4.1	15.6	47.6	0.7
Ischemic heart disease.....410-414	249.8	1.2	0.0	0.3	3.1	30.7	138.2	393.1	934.9	2,398.2	4,918.1	153.1
Acute myocardial infarction.....410	137.2	0.9	-	0.2	2.2	21.7	97.3	268.5	585.8	1,234.8	1,734.1	91.0
Other acute and subacute forms of ischemic heart disease.....411	2.0	0.3	-	-	0.0	0.4	2.3	5.0	6.8	13.8	29.6	1.4
Angina pectoris.....413	0.2	-	-	-	0.0	0.0	-	0.2	1.0	1.0	3.9	0.1
Old myocardial infarction and other forms of chronic ischemic heart disease.....412,414	110.4	-	0.0	0.0	0.8	8.5	38.6	119.5	341.3	1,148.7	3,150.5	60.6
Other diseases of endocardium.....424	2.8	-	0.1	0.0	0.2	0.6	1.0	4.9	10.1	29.6	43.7	1.8
All other forms of heart disease.....415-423,425-429	64.6	17.4	0.8	1.8	3.5	12.0	33.1	91.1	207.0	600.8	1,518.9	38.9
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-208	183.5	3.0	4.7	5.9	13.3	49.3	182.9	442.1	797.5	1,300.1	1,452.8	133.4
Malignant neoplasms of lip, oral cavity, and pharynx.....140-149	3.6	-	0.0	0.0	0.2	0.8	4.9	11.6	14.9	17.9	21.9	2.7
Malignant neoplasms of digestive organs and peritoneum.....150-159	49.5	0.6	0.1	0.2	1.7	8.9	35.4	104.4	225.1	422.2	503.0	33.7
Malignant neoplasms of respiratory and intrathoracic organs.....160-165	46.7	-	0.0	0.2	0.7	10.6	56.2	146.5	226.1	251.1	165.5	35.8
Malignant neoplasm of breast.....174-175	16.0	-	-	0.0	1.6	8.9	26.6	43.4	59.1	77.7	119.6	12.7
Malignant neoplasms of genital organs.....179-187	20.5	-	0.0	0.5	1.4	5.3	14.0	35.6	88.2	188.8	243.1	13.8
Malignant neoplasms of urinary organs.....188-189	8.0	0.3	0.3	0.1	0.2	1.1	5.2	16.8	33.2	73.4	93.5	5.4
Malignant neoplasms of all other and unspecified sites.....170-173,190-199	22.3	1.8	1.9	2.1	3.8	8.0	25.6	52.3	86.6	141.8	171.1	16.9
Leukemia.....204-208	7.4	-	1.9	1.7	1.8	2.7	6.2	11.4	26.1	55.7	71.2	5.5
Other malignant neoplasms of lymphatic and hematopoietic tissues.....200-203	9.3	0.3	0.4	1.1	1.7	3.0	8.8	20.0	38.1	71.6	63.9	6.9
Cerebrovascular diseases.....430-438	76.9	2.4	0.3	0.9	2.6	9.3	27.4	68.7	228.7	858.5	2,113.2	42.5
Accidents and adverse effects.....E800-E949	47.9	28.3	20.9	63.8	47.0	37.1	38.1	44.9	57.1	133.4	265.9	43.6
Motor vehicle accidents.....E810-E825	24.5	7.3	9.8	46.4	29.6	22.1	17.8	18.3	20.4	33.5	27.4	23.9
All other accidents and adverse effects.....E800-E807, E826-E949	23.4	21.0	11.0	17.4	17.4	15.0	20.3	26.5	36.7	99.9	238.4	19.7
Chronic obstructive pulmonary diseases and allied conditions.....490-496	22.7	2.1	0.2	0.3	0.3	1.7	8.3	40.2	115.5	230.2	211.4	14.8
Pneumonia and influenza.....480-487	20.0	35.1	0.7	0.8	1.5	2.9	6.9	16.8	46.8	198.0	635.9	11.1
Diabetes mellitus.....250	15.0	-	0.1	0.3	1.7	4.0	8.2	25.9	60.2	142.3	204.1	9.9
Chronic liver disease and cirrhosis.....571	13.6	0.9	0.1	0.3	3.6	14.8	31.3	40.7	42.4	29.9	17.6	12.3
Atherosclerosis.....440	13.0	-	-	0.0	-	0.2	0.9	4.6	23.6	128.9	629.9	5.6
Suicide.....E950-E959	12.6	...	0.4	12.1	17.6	14.2	17.6	18.8	18.5	22.5	14.6	12.0
Homicide and legal intervention.....E960-E978	10.5	5.8	1.4	15.5	19.4	13.7	10.9	7.0	6.5	5.7	5.6	10.6
Certain conditions originating in the perinatal period.....760-779	10.4	691.9	0.2	0.1	0.0	-	0.0	-	-	-	-	(²)
Nephritis, nephrotic syndrome, and nephrosis.....580-589	7.3	7.0	0.1	0.2	0.9	1.6	3.4	8.0	25.3	73.9	146.2	4.5
Congenital anomalies.....740-759	6.1	272.8	3.2	1.4	1.2	1.3	1.8	1.9	2.5	4.3	6.0	(²)
Septicemia.....038	3.8	9.4	0.2	0.2	0.5	0.6	2.0	5.2	12.8	35.0	69.5	2.5

¹ For method of computation, see Explanatory Notes.

² Since deaths from these causes occur primarily among infants, rates adjusted to the total population in 1940 are not shown. See table H.

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Table 9. DEATHS FROM 72 SELECTED CAUSES: UNITED STATES, 1970 AND 1975-79

[For 1979, based on a 10-percent sample of deaths; for all other years, based on final data. Data for 1979 are based on the Ninth Revision International Classification of Diseases; for all other years, based on the Eighth Revision; see Explanatory Notes. Comparability of causes of death between the Eighth and Ninth Revisions is described in the Explanatory Notes. Comparability ratios are shown in table 11.]

Cause of death (Ninth Revision International Classification of Diseases, 1975)	Number					
	1979 (est.)	1978	1977	1976	1975	1970
All causes.....	1,906,000	1,927,788	1,899,597	1,909,440	1,892,879	1,921,031
Shigellosis and amebiasis.....004-006	30	34	53	55	62	89
Certain other intestinal infections.....007-009	350	1,874	1,855	1,939	2,010	2,567
Tuberculosis.....010-018	1,980	2,914	2,968	3,130	3,333	5,217
Tuberculosis of respiratory system.....010-012	1,620	2,256	2,324	2,419	2,576	4,162
Other tuberculosis.....013-018	360	658	644	711	757	1,055
Whooping cough.....033	20	6	10	7	8	12
Streptococcal sore throat, scarlatina, and erysipelas.....034-035	30	5	14	14	15	29
Meningococcal infection.....036	390	403	338	330	308	550
Septicemia.....038	8,350	7,800	7,112	6,401	5,584	3,535
Acute poliomyelitis.....045	20	13	16	16	9	7
Measles.....055	-	11	15	12	20	89
Viral hepatitis.....070	650	508	508	567	612	1,014
Syphilis.....090-097	180	169	196	225	272	461
All other infectious and parasitic diseases.....001-003,005,020-032,037,039-041,046-054,056-066,071-088,098-139	3,320	4,305	3,845	3,857	3,697	3,079
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-208	403,780	396,992	386,686	377,312	365,693	330,730
Malignant neoplasms of lip, oral cavity, and pharynx.....140-149	7,890	8,341	8,454	8,114	8,135	7,612
Malignant neoplasms of digestive organs and peritoneum.....150-159	108,910	105,427	102,951	101,729	99,629	94,703
Malignant neoplasms of respiratory and intrathoracic organs.....160-165	102,740	99,898	95,182	91,131	86,675	69,517
Malignant neoplasm of breast.....174-175	35,290	34,609	34,762	33,403	32,435	29,917
Malignant neoplasms of genital organs.....179-187	45,190	45,131	44,273	44,461	42,994	41,190
Malignant neoplasms of urinary organs.....188-189	17,680	17,574	17,382	16,980	16,533	15,514
Malignant neoplasms of all other and unspecified sites.....170-173,190-199	49,180	48,943	47,276	45,975	44,585	39,068
Leukemia.....204-208	16,330	15,391	15,329	15,056	14,754	14,492
Other malignant neoplasms of lymphatic and hematopoietic tissues.....200-203	20,570	21,678	21,077	20,463	19,953	18,717
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature.....210-239	5,800	4,963	4,925	4,719	4,947	4,828
Diabetes mellitus.....250	33,060	33,841	32,989	34,508	35,230	36,324
Nutritional deficiencies.....260-269	2,250	2,855	2,606	2,619	2,615	2,470
Anemias.....280-285	2,940	3,300	3,121	3,182	3,195	3,427
Meningitis.....320-322	1,490	1,560	1,526	1,589	1,630	1,701
Major cardiovascular diseases.....390-448	953,100	966,120	961,539	974,429	971,047	1,007,984
Diseases of heart.....390-398,402,404-429	729,210	729,510	718,850	723,878	716,215	735,542
Rheumatic fever and rheumatic heart disease.....390-398	7,470	13,402	12,770	13,110	12,930	14,889
Hypertensive heart disease.....402	20,520	7,087	6,905	6,670	6,693	8,413
Hypertensive heart and renal disease.....404	3,150	3,249	3,530	4,020	4,334	6,578
Ischemic heart disease.....410-414	549,820	642,270	638,427	646,073	642,719	666,665
Acute myocardial infarction.....410	302,010	302,664	306,398	319,477	324,652	357,241
Other acute and subacute forms of ischemic heart disease.....411	4,400	4,090	3,993	4,028	4,069	4,246
Angina pectoris.....413	370	253	206	186	151	216
Old myocardial infarction and other forms of chronic ischemic heart disease.....412,414	243,040	335,263	327,830	322,382	313,847	304,962
Other diseases of endocardium.....424	6,160	4,072	4,024	4,195	4,411	6,705
All other forms of heart disease.....415-423,425-429	142,080	59,430	53,194	49,810	45,128	32,292
Hypertension with or without renal disease.....401,403	6,910	5,490	5,695	6,130	6,300	8,273
Cerebrovascular diseases.....430-438	169,350	175,629	181,934	188,623	194,038	207,166
Intracerebral and other intracranial hemorrhage.....431-432	22,760	22,633	23,632	24,845	26,862	41,379
Cerebral thrombosis and unspecified occlusion of cerebral arteries.....434,0,434.9	35,110	38,710	42,016	44,803	48,457	57,845
Cerebral embolism.....434.1	810	760	731	826	811	884
All other and late effects of cerebrovascular diseases.....430,433,435-438	110,670	113,526	115,355	118,149	117,908	107,058
Atherosclerosis.....440	28,650	28,940	28,754	29,366	28,887	31,682
Other diseases of arteries, arterioles, and capillaries.....441-448	18,980	26,551	26,306	26,432	25,607	25,321
Acute bronchitis and bronchiolitis.....466	470	756	697	854	737	1,310
Pneumonia and influenza.....480-487	44,110	58,319	51,193	61,866	55,664	62,739
Pneumonia.....480-486	43,520	54,267	49,889	53,989	51,387	59,032
Influenza.....487	590	4,052	1,304	7,877	4,277	3,707

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Table 9. DEATHS FROM 72 SELECTED CAUSES: UNITED STATES, 1970 AND 1975-79—Con.

[For 1979, based on a 10-percent sample of deaths; for all other years, based on final data. Data for 1979 are based on the Ninth Revision International Classification of Diseases; for all other years, based on the Eighth Revision; see Explanatory Notes. Comparability of causes of death between the Eighth and Ninth Revisions is described in the Explanatory Notes. Comparability ratios are shown in table 11.]

Cause of death (Ninth Revision International Classification of Diseases, 1975)	Number					
	1979 (est.)	1978	1977	1976	1975	1970
Chronic obstructive pulmonary diseases and allied conditions.....490-496	49,980	21,875	22,363	24,410	25,468	30,889
Bronchitis, chronic and unspecified.....490-491	3,220	4,376	4,313	4,639	4,712	5,846
Emphysema.....492	14,070	15,627	16,376	17,796	18,795	22,721
Asthma.....493	2,540	1,872	1,674	1,975	1,961	2,322
Other chronic obstructive pulmonary diseases and allied conditions.....494-496	30,150	...	...	...	...	...
Ulcer of stomach and duodenum.....531-533	5,520	5,545	5,900	6,428	6,743	8,607
Appendicitis.....540-543	750	735	747	752	822	1,397
Hernia of abdominal cavity and intestinal obstruction without mention of hernia.....550-553,560	5,010	5,568	5,699	5,919	6,178	7,235
Chronic liver disease and cirrhosis.....571	29,860	30,066	30,848	31,453	31,623	31,399
Cholelithiasis and other disorders of gallbladder.....574-575	2,840	2,941	2,957	2,956	3,004	3,973
Nephritis, nephrotic syndrome, and nephrosis.....580-589	16,080	8,868	8,519	8,541	8,072	8,877
Acute glomerulonephritis and nephrotic syndrome.....580-581	220	2,073	1,833	1,759	1,585	1,354
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified.....582-583,587	2,460	6,795	6,686	6,782	6,487	7,523
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause.....584-586,588-589	13,400	6,795	6,686	6,782	6,487	7,523
Infections of kidney.....590	3,070	3,096	3,712	4,017	4,502	8,190
Hyperplasia of prostate.....600	580	854	998	1,077	1,221	2,168
Complications of pregnancy, childbirth, and the puerperium.....630-676	270	321	373	390	403	803
Pregnancy with abortive outcome.....630-638	60	16	20	16	27	128
Other complications of pregnancy, childbirth, and the puerperium.....640-676	210	305	353	374	376	675
Congenital anomalies.....740-759	13,390	12,968	12,983	13,002	13,245	16,824
Certain conditions originating in the perinatal period.....760-779	22,880	22,033	23,401	24,809	26,616	43,205
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndromes.....767-769	8,270	11,710	12,633	13,432	14,593	22,801
Other conditions originating in the perinatal period.....760-766,770-779	14,610	10,323	10,768	11,377	12,023	20,404
Symptoms, signs, and ill-defined conditions.....780-799	28,210	31,324	32,149	30,802	31,768	25,781
All other diseases.....Residual	105,350	137,396	130,428	125,340	120,263	101,128
Accidents and adverse effects.....E800-E949	105,420	105,561	103,202	100,761	103,030	114,638
Motor vehicle accidents.....E810-E825	53,990	52,411	49,510	47,038	45,853	54,633
All other accidents and adverse effects.....E800-E807,E826-E949	51,430	53,150	53,692	53,723	57,177	60,005
Suicide.....E950-E959	27,640	27,294	28,681	26,832	27,063	23,480
Homicide and legal intervention.....E960-E978	23,040	20,432	19,968	19,554	21,310	16,848
All other external causes.....E980-E999	3,880	4,163	4,457	4,766	4,860	5,427

Table 10. DEATH RATES FOR 72 SELECTED CAUSES: UNITED STATES, 1970 AND 1975-79

[For 1979, based on a 10-percent sample of deaths; for all other years, based on final data. Data for 1979 are based on the Ninth Revision International Classification of Diseases; for all other years, based on the Eighth Revision; see Explanatory Notes. Comparability of causes of death between the Eighth and Ninth Revisions is described in the Explanatory Notes. Comparability ratios are shown in table 11. Rates per 100,000 population.]

Cause of death (Ninth Revision International Classification of Diseases, 1975)	Rate					
	1979 (est.)	1978	1977	1976	1975	1970
All causes.....	866.2	883.4	878.1	889.6	888.5	945.3
Shigellosis and amebiasis.....004-006	0.0	0.0	0.0	0.0	0.0	0.0
Certain other intestinal infections.....007-009	0.2	0.9	0.9	0.9	0.9	1.3
Tuberculosis.....010-018	0.9	1.3	1.4	1.5	1.6	2.6
Tuberculosis of respiratory system.....010-012	0.7	1.0	1.1	1.1	1.2	2.0
Other tuberculosis.....013-018	0.2	0.3	0.3	0.3	0.4	0.5
Whooping cough.....033	0.0	0.0	0.0	0.0	0.0	0.0
Streptococcal sore throat, scarlatina, and erysipelas.....034-035	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal infection.....036	0.2	0.2	0.2	0.2	0.1	0.3
Septicemia.....038	3.8	3.6	3.3	3.0	2.6	1.7
Acute poliomyelitis.....045	0.0	0.0	0.0	0.0	0.0	0.0
Measles.....055	-	0.0	0.0	0.0	0.0	0.0
Viral hepatitis.....070	0.3	0.2	0.2	0.3	0.3	0.5
Syphilis.....090-097	0.1	0.1	0.1	0.1	0.1	0.2
All other infectious and parasitic diseases.....001-003,005,020-032,037,039-041,046-054,056-066,071-088,098-139	1.5	2.0	1.8	1.8	1.7	1.5
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues...140-208	183.5	181.9	178.7	175.8	171.7	162.8
Malignant neoplasms of lip, oral cavity, and pharynx.....140-149	3.6	3.8	3.9	3.8	3.8	3.7
Malignant neoplasms of digestive organs and peritoneum.....150-159	49.5	48.3	47.6	47.4	46.8	46.6
Malignant neoplasms of respiratory and intrathoracic organs.....160-165	46.7	45.8	44.0	42.5	40.7	34.2
Malignant neoplasm of breast.....174-175	16.0	15.9	16.1	15.6	15.2	14.7
Malignant neoplasms of genital organs.....179-187	20.5	20.7	20.5	20.7	20.2	20.3
Malignant neoplasms of urinary organs.....188-189	8.0	8.1	8.0	7.9	7.8	7.6
Malignant neoplasms of all other and unspecified sites.....170-173,190-199	22.3	22.4	21.9	21.4	20.9	19.2
Leukemia.....204-208	7.4	7.1	7.1	7.0	6.9	7.1
Other malignant neoplasms of lymphatic and hematopoietic tissues.....200-203	9.3	9.9	9.7	9.5	9.4	9.2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature.....210-239	2.6	2.3	2.3	2.2	2.3	2.4
Diabetes mellitus.....250	15.0	15.5	15.2	16.1	16.5	18.9
Nutritional deficiencies.....260-269	1.0	1.3	1.2	1.2	1.2	1.2
Anemias.....280-285	1.3	1.5	1.4	1.5	1.5	1.7
Meningitis.....320-322	0.7	0.7	0.7	0.7	0.8	0.8
Major cardiovascular diseases.....390-448	433.0	442.7	444.5	454.0	455.8	496.0
Diseases of heart.....390-398,402,404-429	331.3	334.3	332.3	337.2	336.2	362.0
Rheumatic fever and rheumatic heart disease.....390-398	3.4	6.1	5.9	6.1	6.1	7.3
Hypertensive heart disease.....402	9.3	3.2	3.2	3.1	3.1	4.1
Hypertensive heart and renal disease.....404	1.4	1.5	1.6	1.9	2.0	3.2
Ischemic heart disease.....410-414	249.8	294.3	295.1	301.0	301.7	328.1
Acute myocardial infarction.....410	137.2	138.7	141.6	148.8	152.4	175.8
Other acute and subacute forms of ischemic heart disease.....411	2.0	1.9	1.8	1.9	1.9	2.1
Angina pectoris.....413	0.2	0.1	0.1	0.1	0.1	0.1
Old myocardial infarction and other forms of chronic ischemic heart disease.....412,414	110.4	153.6	151.5	150.2	147.3	150.1
Other diseases of endocardium.....424	2.8	1.9	1.9	2.0	2.1	3.3
All other forms of heart disease.....415-423,425-429	64.6	27.2	24.6	23.2	21.2	15.9
Hypertension with or without renal disease.....401,403	3.1	2.5	2.6	2.9	3.0	4.1
Cerebrovascular diseases.....430-438	76.9	80.5	84.1	87.9	91.1	101.9
Intracerebral and other intracranial hemorrhage.....431-432	10.3	10.4	11.0	11.6	12.6	20.4
Cerebral thrombosis and unspecified occlusion of cerebral arteries.....434.0,434.9	16.0	17.7	19.4	20.9	22.7	28.5
Cerebral embolism.....434.1	0.4	0.3	0.3	0.4	0.4	0.4
All other and late effects of cerebrovascular diseases.....430,433,435-438	50.3	52.0	53.3	55.0	55.3	52.7
Atherosclerosis.....440	13.0	13.3	13.3	13.7	13.6	15.6
Other diseases of arteries, arterioles, and capillaries.....441-448	8.6	12.2	12.2	12.3	12.0	12.5
Acute bronchitis and bronchiolitis.....466	0.2	0.3	0.3	0.4	0.3	0.6
Pneumonia and influenza.....480-487	20.0	26.7	23.7	28.8	26.1	30.9
Pneumonia.....480-486	19.8	24.9	23.1	25.2	24.1	29.0
Influenza.....487	0.3	1.9	0.6	3.7	2.0	1.8

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Table 10. DEATH RATES FOR 72 SELECTED CAUSES: UNITED STATES, 1970 AND 1975-79—Con.

[For 1979, based on a 10-percent sample of deaths; for all other years, based on final data. Data for 1979 are based on the Ninth Revision International Classification of Diseases; for all other years, based on the Eighth Revision; see Explanatory Notes. Comparability of causes of death between the Eighth and Ninth Revisions is described in the Explanatory Notes. Comparability ratios are shown in table 11. Rates per 100,000 population]

Cause of death (Ninth Revision International Classification of Diseases, 1975)	Rate					
	1979 (est.)	1978	1977	1976	1975	1970
Chronic obstructive pulmonary diseases and allied conditions.....490-496	22.7	10.0	10.3	11.4	12.0	15.2
Bronchitis, chronic and unspecified.....490-491	1.5	2.0	2.0	2.2	2.2	2.9
Emphysema.....492	6.4	7.2	7.6	8.3	8.8	11.2
Asthma.....493	1.2	0.9	0.8	0.9	0.9	1.1
Other chronic obstructive pulmonary diseases and allied conditions.....494-496	13.7	...	...	...	...	...
Ulcer of stomach and duodenum.....531-533	2.5	2.5	2.7	3.0	3.2	4.2
Appendicitis.....540-543	0.3	0.3	0.3	0.4	0.4	0.7
Hernia of abdominal cavity and intestinal obstruction without mention of hernia.....550-553,560	2.3	2.6	2.6	2.8	2.9	3.6
Chronic liver disease and cirrhosis.....571	13.6	13.8	14.3	14.7	14.8	15.5
Cholelithiasis and other disorders of gallbladder.....574-575	1.3	1.3	1.4	1.4	1.4	2.0
Nephritis, nephrotic syndrome, and nephrosis.....580-589	7.3	4.1	3.9	4.0	3.8	4.4
Acute glomerulonephritis and nephrotic syndrome.....580-581	0.1	0.9	0.8	0.8	0.7	0.7
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified.....582-583,587	1.1	3.1	3.1	3.2	3.0	3.7
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause.....584-586,588-589	6.1	3.1	3.1	3.2	3.0	3.7
Infections of kidney.....590	1.4	1.4	1.7	1.9	2.1	4.0
Hyperplasia of prostate.....600	0.3	0.4	0.5	0.5	0.6	1.1
Complications of pregnancy, childbirth, and the puerperium.....630-676	0.1	0.1	0.2	0.2	0.2	0.4
Pregnancy with abortive outcome.....630-638	0.0	0.0	0.0	0.0	0.0	0.1
Other complications of pregnancy, childbirth, and the puerperium.....640-676	0.1	0.1	0.2	0.2	0.2	0.3
Congenital anomalies.....740-759	6.1	5.9	6.0	6.1	6.2	8.3
Certain conditions originating in the perinatal period.....760-779	10.4	10.1	10.8	11.6	12.5	21.3
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome.....767-769	3.8	5.4	5.8	6.3	6.9	11.2
Other conditions originating in the perinatal period.....760-766,770-779	6.6	4.7	5.0	5.3	5.6	10.0
Symptoms, signs, and ill-defined conditions.....780-799	12.8	14.4	14.9	14.3	14.9	12.7
All other diseases.....Residual	47.9	63.0	60.3	58.4	56.5	49.8
Accidents and adverse effects.....E800-E949	47.9	48.4	47.7	46.9	48.4	56.4
Motor vehicle accidents.....E810-E825	24.5	24.0	22.9	21.9	21.5	26.9
All other accidents and adverse effects.....E800-E807, E826-E949	23.4	24.4	24.8	25.0	26.8	29.5
Suicide.....E950-E959	12.6	12.5	13.3	12.5	12.7	11.6
Homicide and legal intervention.....E960-E978	10.5	9.4	9.2	9.1	10.0	8.3
All other external causes.....E980-E999	1.8	1.9	2.1	2.2	2.3	2.7

Table 11. COMPARABLE CATEGORY NUMBERS, ESTIMATED COMPARABILITY RATIOS, AND ESTIMATES OF SAMPLING VARIABILITY OF COMPARABILITY RATIOS FOR 72 SELECTED CAUSES; BASED ON A STRATIFIED RANDOM SAMPLE OF 1976 DEATHS: UNITED STATES

[For discussion of comparability ratios see Explanatory Notes]

Cause of death (Ninth Revision International Classification of Diseases, 1975)	Category numbers according to the Eighth Revision	Estimated comparability ratio ¹	Error of the estimate of the ratio in (2)		95 percent confidence limits ²	
			Standard error	Relative standard error	Upper	Lower
	(1)	(2)	(3)	(4)	(5)	(6)
All causes.....	...	1.0000	...	...	...	...
Shigellosis and amebiasis.....004,006	004,006	0.9818	0.0378	3.9	1.0559	0.9077
Certain other intestinal infections.....007-009	008,009	0.1821	0.0207	11.4	0.2227	0.1415
Tuberculosis.....010-018	010-019	0.7668	0.0119	1.6	0.7901	0.7435
Tuberculosis of respiratory system.....010-012	010-012	0.8429	0.0146	1.7	0.8715	0.8143
Other tuberculosis.....013-018	013-019	0.5077	0.0167	3.3	0.5404	0.4750
Whooping cough.....033	033	0.8571	0.0000	0.0	0.8571	0.8571
Streptococcal sore throat, scarlatina, and erysipelas.....034-035	034	1.4286	0.0000	0.0	1.4286	1.4286
Meningococcal infection.....036	036	0.9788	0.0124	1.3	1.0030	0.9546
Septicemia.....038	038	0.8500	0.0180	2.1	0.8853	0.8147
Acute poliomyelitis.....045	040-043	0.5000	0.0000	0.0	0.5000	0.5000
Measles.....055	055	0.9167	0.0000	0.0	0.9167	0.9167
Viral hepatitis.....070	070	1.3986	0.0820	5.9	1.5593	1.2379
Syphilis.....090-097	090-097	1.0089	0.0259	2.6	1.0596	0.9582
All other infectious and parasitic diseases.....001-003,005,020-032,037,039-041,046-054,056-066,071-088,098-139	Remainder of 000-136	1.0321	0.0634	6.1	1.1563	0.9079
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.....140-208	140-209	1.0026	0.0017	0.2	1.0059	0.9993
Malignant neoplasms of lip, oral cavity, and pharynx.....140-149	140-149	1.0117	0.0087	0.9	1.0286	0.9848
Malignant neoplasms of digestive organs and peritoneum.....150-159	150-159	1.0330	0.0035	0.3	1.0398	1.0262
Malignant neoplasms of respiratory and intrathoracic organs.....160-165	160-163	1.0007	0.0033	0.3	1.0071	0.9943
Malignant neoplasm of breast.....174-175	174	1.0089	0.0022	0.2	1.0131	1.0047
Malignant neoplasms of genital organs.....179-187	180-187	1.0111	0.0031	0.3	1.0171	1.0051
Malignant neoplasms of urinary organs.....188-189	188,189	0.9924	0.0045	0.5	1.0011	0.9837
Malignant neoplasms of all other and unspecified sites.....170-173,190-199	170-173,190-199	0.9557	0.0082	0.9	0.9718	0.9396
Leukemia.....204-208	204-207	1.0070	0.0056	0.6	1.0180	0.9960
Other malignant neoplasms of lymphatic and hematopoietic tissues.....200-203	200-203,208,209	0.9385	0.0069	0.7	0.9519	0.9251
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature.....210-239	210-239	1.2085	0.0261	2.2	1.2595	1.1575
Diabetes mellitus.....250	250	0.9991	0.0087	0.9	1.0162	0.9820
Nutritional deficiencies.....260-269	260-269	0.7167	0.0262	3.7	0.7680	0.6654
Anemias.....280-285	280-285	0.9296	0.0124	1.3	0.9538	0.9054
Meningitis.....320-322	320	0.9459	0.0163	1.7	0.9777	0.9141
Major cardiovascular diseases.....390-448	390-448	1.0069	0.0004	0.0	1.0076	1.0062
Diseases of heart.....390-398,402,404-429	390-398,402,404, 410-429	1.0126	0.0039	0.4	1.0202	1.0050
Rheumatic fever and rheumatic heart disease.....390-398	390-398	0.6648	0.0080	1.2	0.6804	0.6492
Hypertensive heart disease.....402	402	3.3022	0.0557	1.7	3.4114	3.1930
Hypertensive heart and renal disease.....404	404	1.2119	0.0438	3.6	1.2978	1.1260
Ischemic heart disease.....410-414	410-413	0.8784	0.0038	0.4	0.8859	0.8709
Acute myocardial infarction.....410	410	1.0003	0.0054	0.5	1.0108	0.9898
Other acute and subacute forms of ischemic heart disease.....411	411	1.2224	0.0661	5.4	1.3519	1.0929
Angina pectoris.....413	413	1.0484	0.0666	6.4	1.1789	0.9179
Old myocardial infarction and other forms of chronic ischemic heart disease.....412,414	412	0.7533	0.0055	0.7	0.7640	0.7426
Other diseases of endocardium.....424	424,428	1.2286	0.0227	1.8	1.2731	1.1841
All other forms of heart disease.....415-423,425-429	420-423,425-427,429	2.5035	0.0257	1.0	2.5539	2.4531
Hypertension with or without renal disease.....401,403	400,401,403	1.2703	0.0294	2.3	1.3280	1.2126
Cerebrovascular diseases.....430-438	430-438	1.0049	0.0066	0.7	1.0178	0.9920
Intracerebral and other intracranial hemorrhage.....431-432	431	0.9969	0.0068	0.7	1.0102	0.9836
Cerebral thrombosis and unspecified occlusion of cerebral arteries.....434,0,434,9	433	1.0340	0.0222	2.1	1.0774	0.9906
Cerebral embolism.....434,1	434	1.1211	0.0924	8.2	1.3022	0.9400
All other and late effects of cerebrovascular diseases.....430,432,435-438	430,432,435-438	0.9948	0.0061	0.6	1.0067	0.9829
Atherosclerosis.....440	440	1.0649	0.0246	2.3	1.1130	1.0168
Other diseases of arteries, arterioles, and capillaries.....441-448	441-448	0.7409	0.0098	1.3	0.7600	0.7218
Acute bronchitis and bronchiolitis.....466	466	0.8888	0.0274	3.1	0.9425	0.8351
Pneumonia and influenza.....480-487	470-474,480-486	0.9264	0.0067	0.7	0.9394	0.9134
Pneumonia.....480-486	480-486	0.9199	0.0076	0.8	0.9347	0.9051
Influenza.....487	470-474	0.9714	0.0078	0.8	0.9866	0.9562
Chronic obstructive pulmonary diseases and allied conditions.....490-496	490-493	1.8846	0.0150	0.8	1.9141	1.8551
Bronchitis, chronic and unspecified.....490-491	490-491	0.9383	0.0134	1.4	0.9646	0.9120
Emphysema.....492	492	0.9770	0.0127	1.3	1.0018	0.9522
Asthma.....493	493	1.3544	0.0636	4.7	1.4790	1.2298
Other chronic obstructive pulmonary diseases and allied conditions.....494-496	.....²	.....³	.....³	.....³	.....³	.....³
Ulcer of stomach and duodenum.....531-533	531-533	1.1192	0.0247	2.2	1.1675	1.0709
Appendicitis.....540-543	540-543	1.0080	0.0264	2.6	1.0597	0.9563
Hernia of abdominal cavity and intestinal obstruction without mention of hernia.....550-553,560	550-553,560	0.9432	0.0169	1.8	0.9762	0.9102

See footnotes at end of table.

Table 11. COMPARABLE CATEGORY NUMBERS, ESTIMATED COMPARABILITY RATIOS, AND ESTIMATES OF SAMPLING VARIABILITY OF COMPARABILITY RATIOS FOR 72 SELECTED CAUSES; BASED ON A STRATIFIED RANDOM SAMPLE OF 1976 DEATHS: UNITED STATES—Con.

[For discussion of comparability ratios see Explanatory Notes]

Cause of death (Ninth Revision International Classification of Diseases, 1975)	Category numbers according to the Eighth Revision (1)	Estimated comparability ratio ¹ (2)	Error of the estimate of the ratio in (2)		95 percent confidence limits ²	
			Standard error (3)	Relative standard error (4)	Upper (5)	Lower (6)
Chronic liver disease and cirrhosis.....	571	1.0110	0.0069	0.7	1.0245	0.9975
Cholelithiasis and other disorders of gallbladder.....	574-575	1.0494	0.0445	4.2	1.1366	0.9622
Nephritis, nephrotic syndrome, and nephrosis.....	580-589	1.7397	0.0777	4.5	1.8920	1.5874
Acute glomerulonephritis and nephrotic syndrome.....	580-581	0.2422	0.0185	7.6	0.2783	0.2061
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified.....	582-583,587	0.4954	0.0195	3.9	0.5335	0.4573
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause.....	584-586,588-589	1.6327	0.0958	5.9	1.8205	1.4449
Infections of kidney.....	590	0.9878	0.0091	0.9	1.0056	0.9700
Hyperplasia of prostate.....	600	1.0232	0.0226	2.2	1.0674	0.9790
Complications of pregnancy, childbirth, and the puerperium.....	630-676	1.1000	0.0435	4.0	1.1853	1.0147
Pregnancy with abortive outcome.....	630-638	3.8125	0.0000	0.0	3.8125	3.8125
Other complications of pregnancy, childbirth, and the puerperium.....	640-676	0.9840	0.0454	4.6	1.0729	0.8951
Congenital anomalies.....	740-759	0.9884	0.0100	1.0	1.0179	0.9789
Certain conditions originating in the perinatal period.....	760-779	1.0765	0.0238	2.2	1.1230	1.0300
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome.....	774-778	0.7483	0.0306	4.1	0.8083	0.6883
Other conditions originating in the perinatal period.....	760-766,770-779	1.4639	0.0371	2.5	1.5367	1.3911
Symptoms, signs, and ill-defined conditions.....	780-796	0.9102	0.0121	1.3	0.9338	0.8866
All other diseases.....	Residual	0.7786	0.0082	1.1	0.7947	0.7625
Accidents and adverse effects.....	E800-E949	0.9970	0.0030	0.3	1.0029	0.9911
Motor vehicle accidents.....	E810-E825	1.0117	0.0027	0.3	1.0169	1.0065
All other accidents and adverse effects.....	E800-E807,E826-E949	0.9841	0.0051	0.5	0.9941	0.9741
Suicide.....	E950-E959	1.0032	0.0042	0.4	1.0114	0.9950
Homicide and legal intervention.....	E960-E978	1.0057	0.0030	0.3	1.0115	0.9999
All other external causes.....	E980-E999	0.9675	0.0144	1.5	0.9957	0.9393

¹Ratio of estimated number of deaths assigned according to the Ninth Revision to deaths assigned according to the Eighth Revision.
²The probability is 95 percent that the true comparability ratio will have a value between the upper and lower limits shown. These limits were computed before the estimated standard error was rounded to the fourth decimal.
³Chronic obstructive lung disease without mention of asthma, bronchitis, or emphysema (ICDA No. *519.3), introduced by NCHS to be used with the Eighth Revision, is comparable to Other chronic obstructive pulmonary diseases and allied conditions (ICD Nos. 494-496) of the Ninth Revision. The comparability ratio for this set of titles is 1.0054, with a standard error of 0.0118, a relative error of 1.2 percent, and 95 percent confidence limits of 1.0285 and 0.9823. These data are not shown in this table because there are no sample data for ICDA No. *519.3.

Table 12. COMPARABLE CATEGORY NUMBERS, ESTIMATED COMPARABILITY RATIOS, AND ESTIMATES OF SAMPLING VARIABILITY OF COMPARABILITY RATIOS FOR 10 SELECTED CAUSES OF INFANT DEATH; BASED ON A STRATIFIED RANDOM SAMPLE OF 1976 INFANT DEATHS: UNITED STATES

[For discussion of comparability ratios see Explanatory Notes]

Cause of death (Ninth Revision International Classification of Diseases, 1975)	Category numbers according to the Eighth Revision (1)	Estimated comparability ratio ¹ (2)	Error of the estimate of the ratio in (2)		95 percent confidence limits ²	
			Standard error (3)	Relative standard error (4)	Upper (5)	Lower (6)
All causes.....	...	1.0000	...	...	...	...
Certain gastrointestinal diseases.....	004,006-009,535,555-558	0.4678	0.0228	4.9	0.5125	0.4231
Pneumonia and influenza.....	480-487	0.7471	0.0200	2.7	0.7862	0.7078
Congenital anomalies.....	740-759	1.0071	0.0062	0.6	1.0191	0.9949
Disorders relating to short gestation and unspecified low birthweight.....	765	0.9630	0.0107	1.1	0.9839	0.9421
Birth trauma.....	767	0.7154	0.0337	4.7	0.7813	0.6493
Intrauterine hypoxia and birth asphyxia.....	768	0.3270	0.0212	6.5	0.3684	0.2856
Respiratory distress syndrome.....	769	...	...	...	...	...
Other conditions originating in the perinatal period.....	760-764,766,770-779	0.8492	0.0098	1.1	0.8683	0.8301
Sudden infant death syndrome.....	798.0	...	...	...	...	...
All other causes.....	Residual	0.5455	0.0061	1.1	0.5573	0.5335

¹Ratio of estimated number of deaths assigned according to the Ninth Revision to deaths assigned according to the Eighth Revision.
²The probability is 95 percent that the true comparability ratio will have a value between the upper and lower limits shown. These limits were computed before the estimated standard error was rounded to the fourth decimal.

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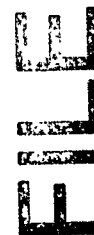
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