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# nchs MONTHLY VITAL STATISTICS REPORT

Provisional Data From the National Center for Health Statistics

Vol. 32, No. 13 • September 21, 1984

## Annual Summary of Births, Deaths, Marriages, and Divorces: United States, 1983

The provisional number of live births and the birth rate for 1983 were lower than the comparable figures for 1982. The decline in the number of births was the first decline since 1975 and the largest decrease reported since 1973. The fertility rate per 1,000 women aged 15-44 in 1983 was the second lowest rate ever recorded in the United States.

The provisional number of deaths increased in 1983 and surpassed two million deaths for the first time. The age-adjusted death rate and the infant mortality rate, however, fell to the lowest levels on record in the United States, and life expectancy at birth reached a new high. Age-adjusted death rates declined in 1983 for Cerebrovascular diseases (strokes), Accidents and adverse effects, and Homicide and legal intervention. Rates increased for Chronic obstructive pulmonary diseases and allied conditions, Diabetes mellitus, and Septicemia.

Although the number of marriages decreased in 1983 for the first time since 1975, the total reported was greater than any annual total prior to 1982. The marriage rate per 1,000 population declined in 1983 for the first time since 1976.

The number of divorces declined for the second consecutive year. The divorce rate per 1,000 population also declined for the second consecutive year and was lower than it had been since 1977.

### Births

An estimated 3,614,000 babies were born in the United States during 1983, 2 percent fewer than the provisional estimate for 1982 (3,704,000). The birth rate was 15.5 live births per 1,000 population, 3 percent lower than the rate for 1982 (16.0). The fertility rate was 65.4 live births per 1,000 women aged 15-44 years, 4 percent below the provisional 1982 rate of 67.8 (table A). The seasonally adjusted monthly birth and fertility rates in 1983 were all below the rates in 1982 except for March in which both were higher (table B).

The 2-percent decline in the number of births was the first decline since 1975 and the largest decline measured since 1973. The birth rate for 1983 was at its lowest level since 1978 (15.0). The fertility rate in 1983 was the second lowest rate ever recorded in the United States. The lowest rate was 65.0 in 1976 (figure 1).

The declines in these measures of fertility between 1982 and 1983 reflect both the sharply reduced rate of growth in the number of women in the childbearing ages and apparent declines in at least some of the age-specific birth rates. Between 1982 and 1983 the number of women aged 15-44 years increased just 1 percent overall. Increases of 2 to 6 percent were

### Vital Statistics of the United States

[Infant mortality rates per 1,000 live births; all other rates per 1,000 population]

Rate	1983 <sup>1</sup>	1982 <sup>1</sup>	1981	1980	1979	1978	1977	1976	1975
Birth . . . . .	15.5	16.0	15.8	15.9	15.6	15.0	15.1	14.6	14.6
Death . . . . .	8.6	8.6	8.6	8.8	8.5	8.7	8.6	8.8	8.8
Natural increase . . . . .	6.9	7.4	7.2	7.1	7.1	6.3	6.5	5.8	5.8
Marriage <sup>2</sup> . . . . .	10.5	10.8	10.6	10.6	10.4	10.3	9.9	9.9	10.0
Divorce (est.) . . . . .	5.0	5.1	5.3	5.2	5.3	5.1	5.0	5.0	4.8
Infant mortality . . . . .	10.9	11.2	11.9	12.6	13.1	13.8	14.1	15.2	16.1

<sup>1</sup>Provisional.

<sup>2</sup>Beginning with 1978, data include nonlicensed marriages registered in California; see Technical notes.

**Table A. Live births, birth rates, and fertility rates, by month: United States, 1982 and 1983**

[Rates on an annual basis. Birth rates per 1,000 population and fertility rates per 1,000 women aged 15-44 years]

Month	Number		Birth rate		Fertility rate	
	1983	1982	1983	1982	1983	1982
Total	3,614,000	3,704,000	15.5	16.0	65.4	67.8
January	307,000	311,000	15.5	15.9	65.8	67.5
February	273,000	281,000	15.3	15.9	64.6	67.4
March	312,000	298,000	15.8	15.2	66.7	64.6
April	285,000	286,000	14.9	15.1	62.9	64.0
May	299,000	305,000	15.1	15.5	63.9	65.8
June	296,000	302,000	15.4	15.9	65.3	67.3
July	328,000	339,000	16.5	17.2	69.9	73.0
August	320,000	323,000	16.1	16.4	68.1	69.6
September	312,000	315,000	16.2	16.5	68.7	70.0
October	306,000	323,000	15.4	16.4	65.0	69.3
November	287,000	300,000	14.9	15.7	63.0	67.2
December	288,000	320,000	14.5	16.2	61.1	68.7

**Table B. Seasonally adjusted birth and fertility rates, by month: United States, 1982 and 1983**

[Rates on an annual basis. Birth rates per 1,000 population and fertility rates per 1,000 women aged 15-44 years. For method of seasonal adjustment, see Technical notes]

Month	Birth rate		Fertility rate	
	1983	1982	1983	1982
January	15.9	16.3	67.6	69.3
February	15.4	16.0	65.3	68.1
March	16.0	15.5	67.9	65.7
April	15.7	15.9	66.3	67.4
May	15.6	16.1	66.2	68.2
June	15.6	16.1	66.3	68.3
July	15.7	16.4	66.5	69.5
August	15.2	15.5	64.2	65.6
September	15.3	15.6	64.5	65.8
October	15.2	16.1	64.1	68.3
November	15.2	16.1	64.3	68.6
December	14.7	16.5	62.2	70.0

measured for the age groups 25-29 through 40-44 years only, with the largest increases observed for women 35-39 (4 percent) and 40-44 years (6 percent). Except for women 25-29 years of age, childbearing rates tend to be very low for women in these age groups. The number of teenage women 15-19 years declined 3 percent while the number of women 20-24 years declined about 1 percent. Women under 25 accounted for nearly half of all births in 1981.

According to recent projections prepared by the U.S. Bureau of the Census, the number of women in the childbearing ages will increase very slightly and then stabilize through the late 1980's. During these years, therefore, changes in the number of women will have relatively little effect on the annual number of births; the principal factor will be trends in age-specific birth rates.

Provisional data by place of occurrence indicate that there were declines in the numbers of births from the previous year of less than 1 to 7 percent in seven of the nine geographic divisions and increases only in the New England and Mountain

divisions of 2 percent each. The birth rate declined by 1 to 9 percent in eight divisions and increased in only one division, New England, by 1 percent. The largest declines in numbers and rates were observed in the East South Central, West South Central, and Pacific divisions.

Between 1982 and 1983, the provisional number of births increased in 14 States and declined in 36 States and the District of Columbia. Birth rates increased in 6 States and the District of Columbia, declined in 41 States, and were unchanged in 3 States (New Hampshire, New York, and Maryland).

### Natural increase

During 1983 an estimated 1,604,000 persons were added to the population as a result of natural increase, the excess of births over deaths. The rate of natural increase was 6.9 persons per 1,000 population, 7 percent below the rate for 1982 (7.4). This decline was due solely to the decline in the birth rate.

### Deaths

During 1983 an estimated 2,010,000 deaths occurred in the United States, surpassing two million for the first time. The provisional death rate for 1983 was 858.9 deaths per 100,000 population, approximately the same as the provisional rate for 1982 (857.6). The record number of deaths in 1983 reflects the general increase in the size of the population, especially at ages 65 and over. However, as a result of the continued decline in the death rates for most age groups, the provisional age-adjusted death rate for 1983 was the lowest ever recorded in the United States (549.6 deaths per 100,000 population) (figure 2). This rate was 1 percent lower than the provisional age-adjusted death rate for 1982 (556.4). Age-adjusted death rates control for changes and variations in the age composition of the population. Therefore, they are usually better indicators than crude death rates for showing changes in mortality risk over time and between race-sex groups within the population.

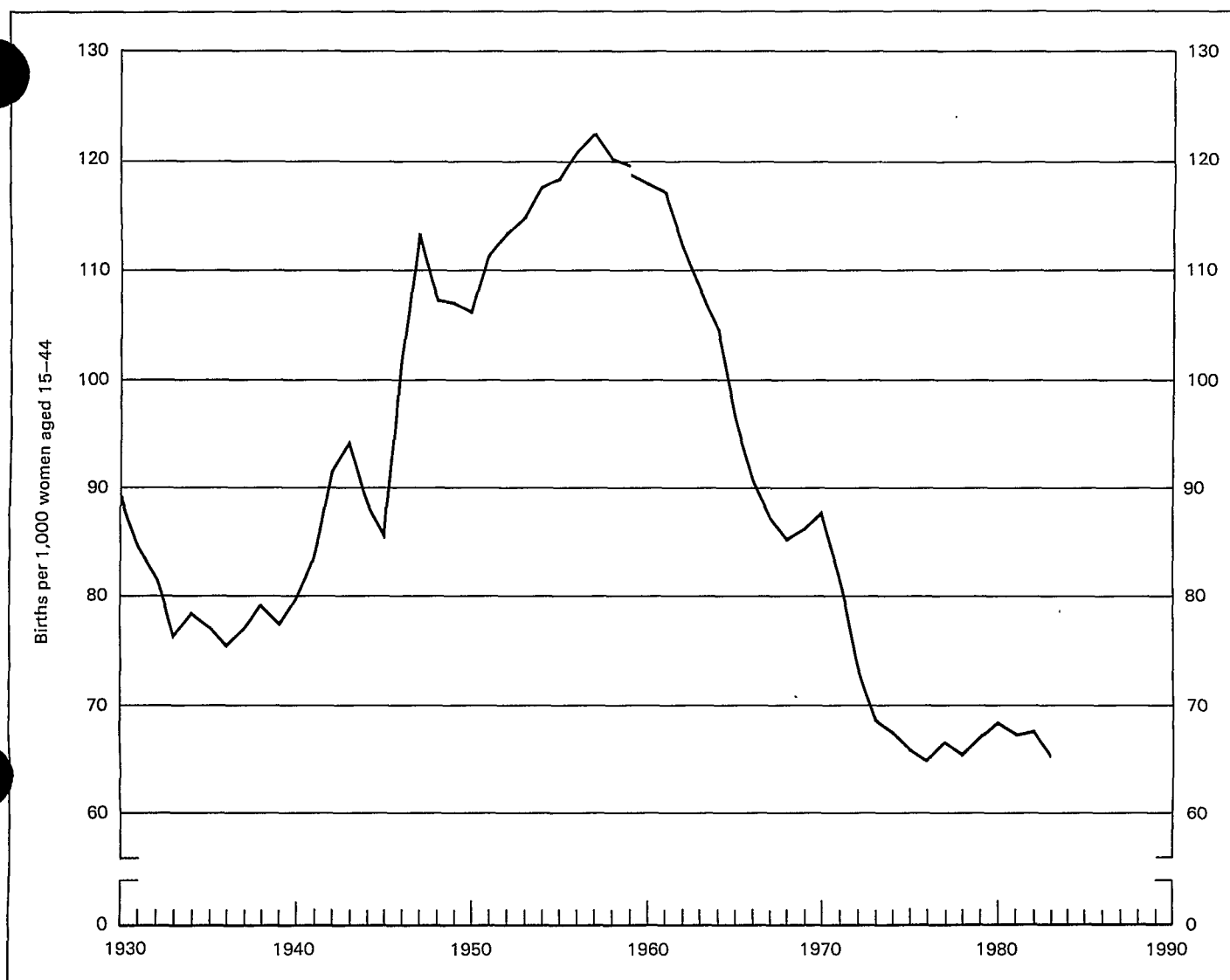


Figure 1. Fertility rates: United States, 1930-83

Death rates were somewhat higher for January, February, March, and November 1983 than for the same months in 1982. Rates for April, May, and July were the same in 1983 as in 1982. For the remaining months of 1983, death rates were lower than for the previous year (table C).

#### Expectation of life

The expectation of life at birth reached a new high in 1983—an estimated 74.7 years for the total population. Record highs were also established for the white population and black population, as follows: white females, 78.8 years; white males, 71.6 years; and black males, 65.2 years. Life expectancy for black females remained at the record high level set in the previous year, 73.8 years.

Among the white population, from 1982 to 1983, life expectancy at birth increased by 0.2 year for males compared with 0.1 year for females. Among the black population, life expectancy at birth increased by 0.4 year for males, but no

change in life expectancy at birth occurred for black females. The expectation of life at birth represents the average number of years that a group of infants would be expected to live if, throughout life, they were to experience the age-specific death rates prevailing during the year of their birth.

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

*Race and sex differentials*—Age-adjusted death rates reached new lows in 1983 for each race-sex group except black females. White females had the lowest estimated age-adjusted death rate (391.5 deaths per 100,000 population), followed by black females (571.5), white males (701.8), and black males (1,024.7). Between 1982 and 1983, age-adjusted death rates decreased for the white population and the black population as follows: white males, 1 percent from 709.7; white females, 1 percent from 395.1; and black males, 2 percent from 1,045.5. For black females, age-adjusted death rates remained essentially the same (570.9 in 1982 as compared with 571.5 in 1983).

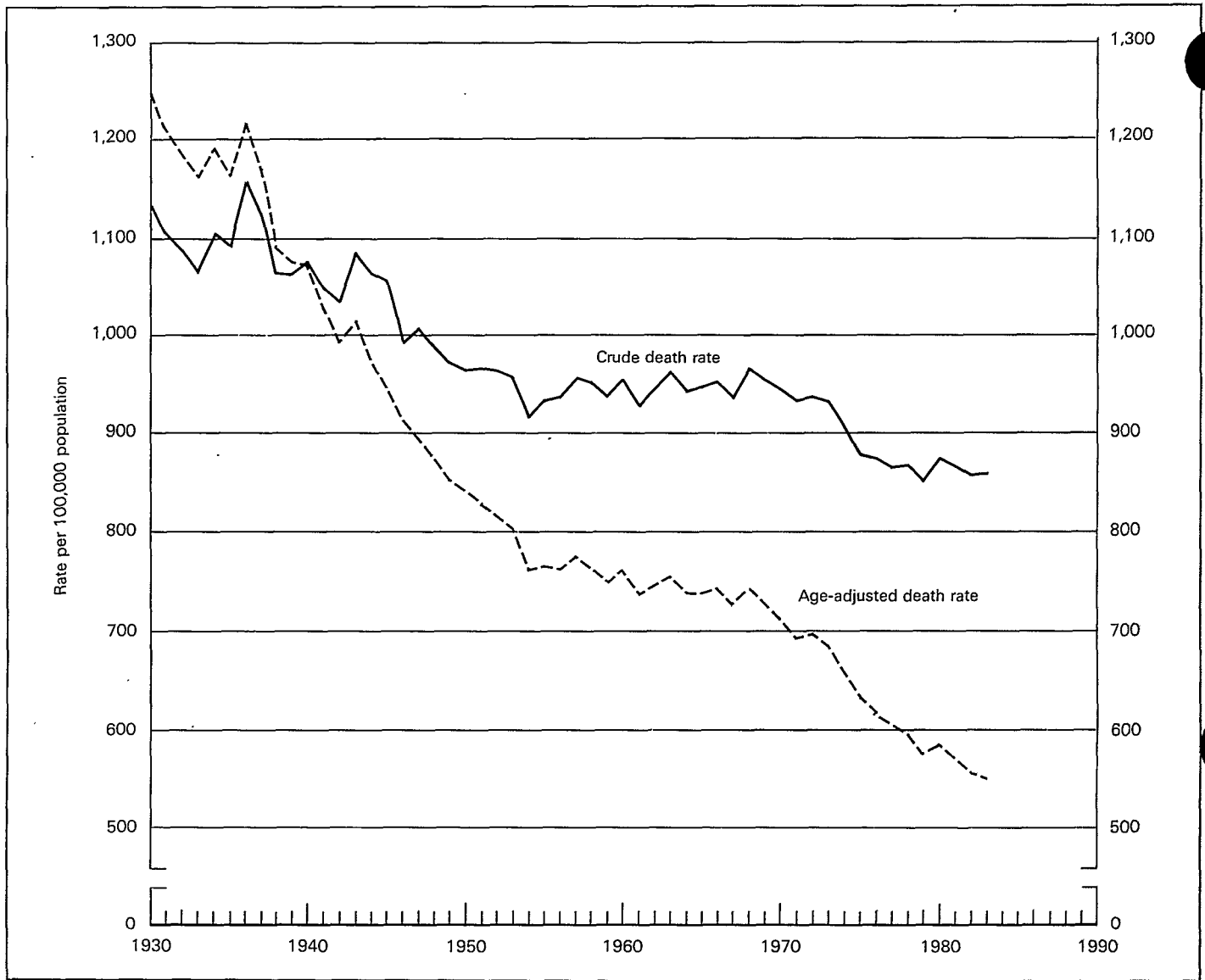


Figure 2. Crude and age-adjusted death rates: United States, 1930–83

Table C. Deaths and death rates, by month: United States, 1982 and 1983

[Rates on an annual basis per 1,000 population]

Month	Number		Rate	
	1983	1982	1983	1982
Total.....	2,010,000	1,986,000	8.6	8.6
January.....	180,000	174,000	9.1	8.9
February.....	171,000	165,000	9.6	9.3
March.....	179,000	172,000	9.0	8.8
April.....	172,000	171,000	9.0	9.0
May.....	165,000	164,000	8.3	8.3
June.....	158,000	157,000	8.2	8.3
July.....	168,000	165,000	8.4	8.4
August.....	160,000	161,000	8.0	8.2
September.....	157,000	157,000	8.1	8.2
October.....	165,000	167,000	8.3	8.5
November.....	160,000	157,000	8.3	8.2
December.....	175,000	177,000	8.8	8.9

*Age differentials*—Between 1982 and 1983, provisional death rates decreased for most age groups. Death rates increased 1 percent for the group 85 years of age and over, and death rates remained about the same in 1983 (1,298.8) as in 1982 (1,292.4) for persons 55–64 years of age. The largest declines occurred in two age groups, 15–24 years (9 percent), and 1–4 years (7 percent). Substantial declines also occurred for infants of less than one year (6 percent) and in the age group 25–34 years (4 percent). The smallest drops were for the age groups 65–74 years and 75–84 years (about 1 percent each) (table D).

**Major causes of death**

The 15 leading causes of death in 1983 accounted for 88 percent of all deaths in the United States (table E). The leading causes of death for 1979 through 1983 were the same but the order varied. Septicemia and Congenital anomalies switched

**Table D. Death rates by age for 1982 and 1983 and percent difference between 1982 and 1983: United States**

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

Age	1983 (est.)	1982 (est.)	Percent difference
All ages <sup>1</sup> . . . . .	858.9	857.6	+0.2
Under 1 year . . . . .	1,076.8	1,143.7	-5.8
1-4 years . . . . .	51.7	55.5	-6.8
5-14 years . . . . .	27.3	27.8	-1.8
15-24 years . . . . .	95.8	104.7	-8.5
25-34 years . . . . .	121.6	126.9	-4.2
35-44 years . . . . .	203.3	207.9	-2.2
45-54 years . . . . .	541.9	556.4	-2.6
55-64 years . . . . .	1,298.8	1,292.4	+0.5
65-74 years . . . . .	2,883.4	2,904.5	-0.7
75-84 years . . . . .	6,309.7	6,350.3	-0.6
85 years and over . . . . .	15,422.3	15,228.6	+1.3

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

**Table E. Death rates and percent of total deaths for 15 leading causes of death: United States, 1983**

(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 . . . . .	858.9	100.0
1	Diseases of heart . . . . .	327.6	38.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . . . .	188.3	21.9
3	Cerebrovascular diseases . . . . .	66.8	7.8
4	Accidents and adverse effects . . . . .	39.0	4.5
...	Motor vehicle accidents . . . . .	18.7	2.2
...	All other accidents and adverse effects . . . . .	20.3	2.4
5	Chronic obstructive pulmonary diseases and allied conditions . . . . .	28.4	3.3
6	Pneumonia and influenza . . . . .	22.9	2.7
7	Diabetes mellitus . . . . .	15.2	1.8
8	Suicide . . . . .	12.4	1.4
9	Chronic liver disease and cirrhosis . . . . .	11.9	1.4
10	Atherosclerosis . . . . .	11.1	1.3
11	Homicide and legal intervention . . . . .	8.2	1.0
12	Certain conditions originating in the perinatal period . . . . .	8.1	0.9
13	Nephritis, nephrotic syndrome, and nephrosis . . . . .	7.9	0.9
14	Sépticemia . . . . .	5.7	0.7
15	Congenital anomalies . . . . .	5.5	0.6
...	All other causes . . . . .	100.0	11.6

rank between 1982 and 1983 from 15th to 14th and from 14th to 15th, respectively.

For most causes age-adjusted death rates are better indicators than crude death rates for showing changes in mortality risk over time. Such rates are used to depict trends for 13 of the 15 leading causes of death. For the other two leading causes of death, which occur mainly among infants under 1 year of age (Certain conditions originating in the perinatal period and Con-

genital anomalies), age-adjusted death rates are not shown. Changes in mortality for these two causes are measured by the infant mortality rate per 100,000 live births. The infant mortality rate for Certain conditions originating in the perinatal period decreased from 559.7 in 1982 to 519.7 infant deaths per 100,000 live births in 1983. The rate for Congenital anomalies was 231.6, which was not significantly different from the 1982 rate—238.7.

Age-adjusted death rates were lower in 1983 than in 1982 for three leading causes: Cerebrovascular diseases, Accidents and adverse effects, and Homicide and legal intervention. Age-adjusted death rates for Cerebrovascular diseases have generally declined since 1950 (figure 3). Rates for Accidents and adverse effects have declined since the late 1960's. The decline in the age-adjusted rate for Homicide and legal intervention since 1980 contrasts with the general upward trend for this cause since the late 1950's.

Age-adjusted rates for three leading causes of death increased between 1982 and 1983: Chronic obstructive pulmonary diseases and allied conditions, Diabetes mellitus, and Septicemia. The increase in the rate for Chronic obstructive pulmonary diseases and allied conditions was a continuation of the upward trend in chronic respiratory diseases that has been observed since 1950. For Septicemia the age-adjusted rate continued the rapid increase observed for the past three decades. The percent increase in this cause between 1982 and 1983 was the largest increase among the leading causes of death.

For the remaining seven leading causes of death provisional data do not indicate a significant change between 1982 and 1983.

**Maternal and infant mortality**

In 1983 the deaths of an estimated 290 women were attributed to Complications of pregnancy, childbirth, and the puerperium compared with an estimated 330 maternal deaths in 1982. The 1983 maternal mortality rate was 8.0 per 100,000 live births, which was not significantly lower than the rate for 1982, 8.9. The final 1981 maternal mortality rate was 8.5 deaths per 100,000 live births. Since 1950 the maternal mortality trend has been downward (figure 4).

In 1983 an estimated 39,400 infants died in the United States. The estimated infant mortality rate of 10.9 deaths per 1,000 live births was the lowest annual rate ever recorded in the United States. By cause, the 1983 infant mortality rate of 31.8 per 100,000 live births for Intrauterine hypoxia and birth asphyxia was 20 percent lower than the provisional rate of 40.0 for 1982 (figure 5 and tables F and G).

**Marriages**

The number of marriages dropped in 1983 for the first time since 1975. According to provisional reports, 2,444,000 couples married in 1983, and, while this total was greater than any annual total prior to 1982, it represents a 2-percent decline from the number reported for 1982.

The marriage rate dropped 3 percent in 1983 to 10.5 per 1,000 population (table H and figure 6). This was the first drop

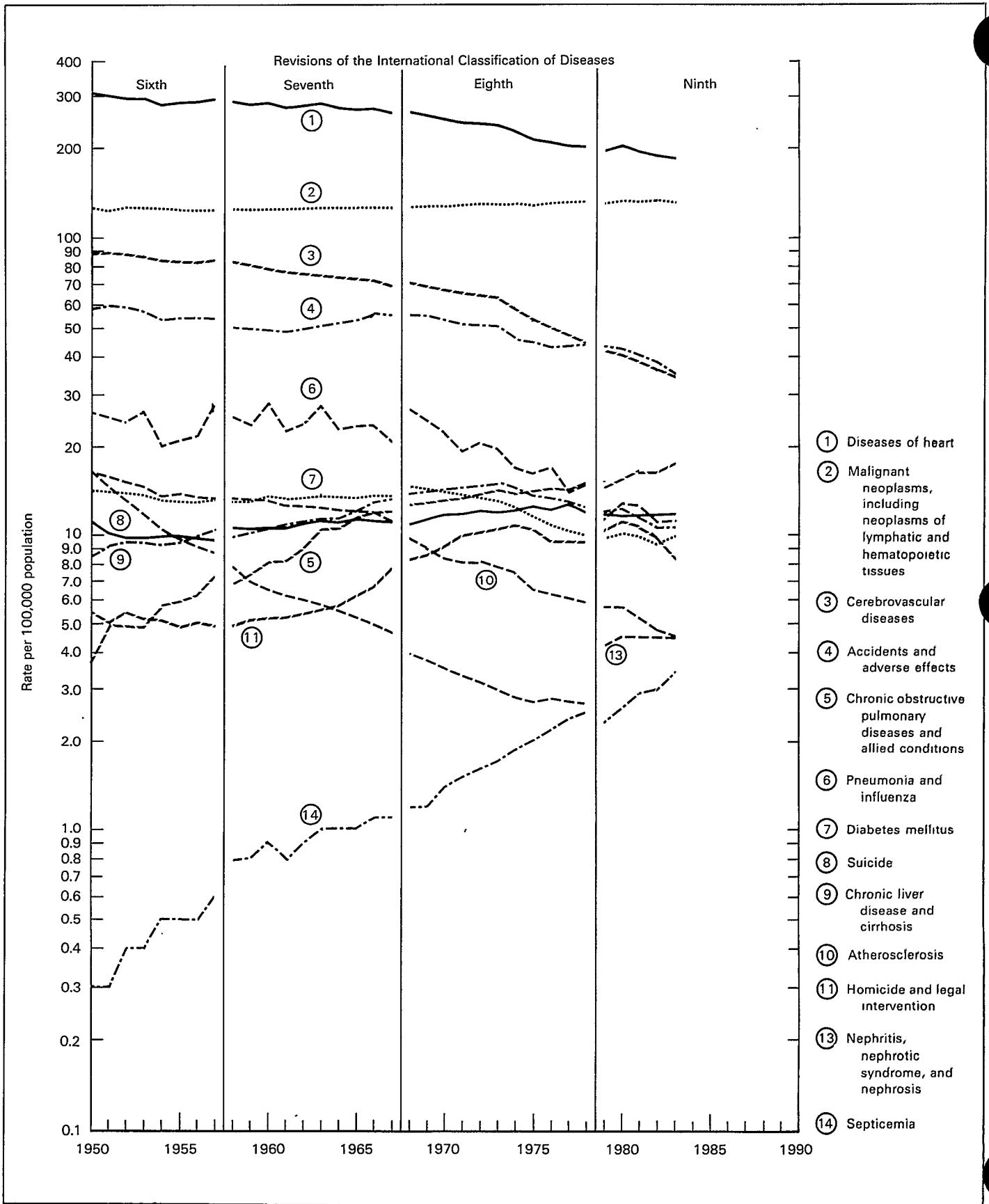


Figure 3. Age-adjusted death rates for 13 of the 15 leading causes of death: United States, 1950-83

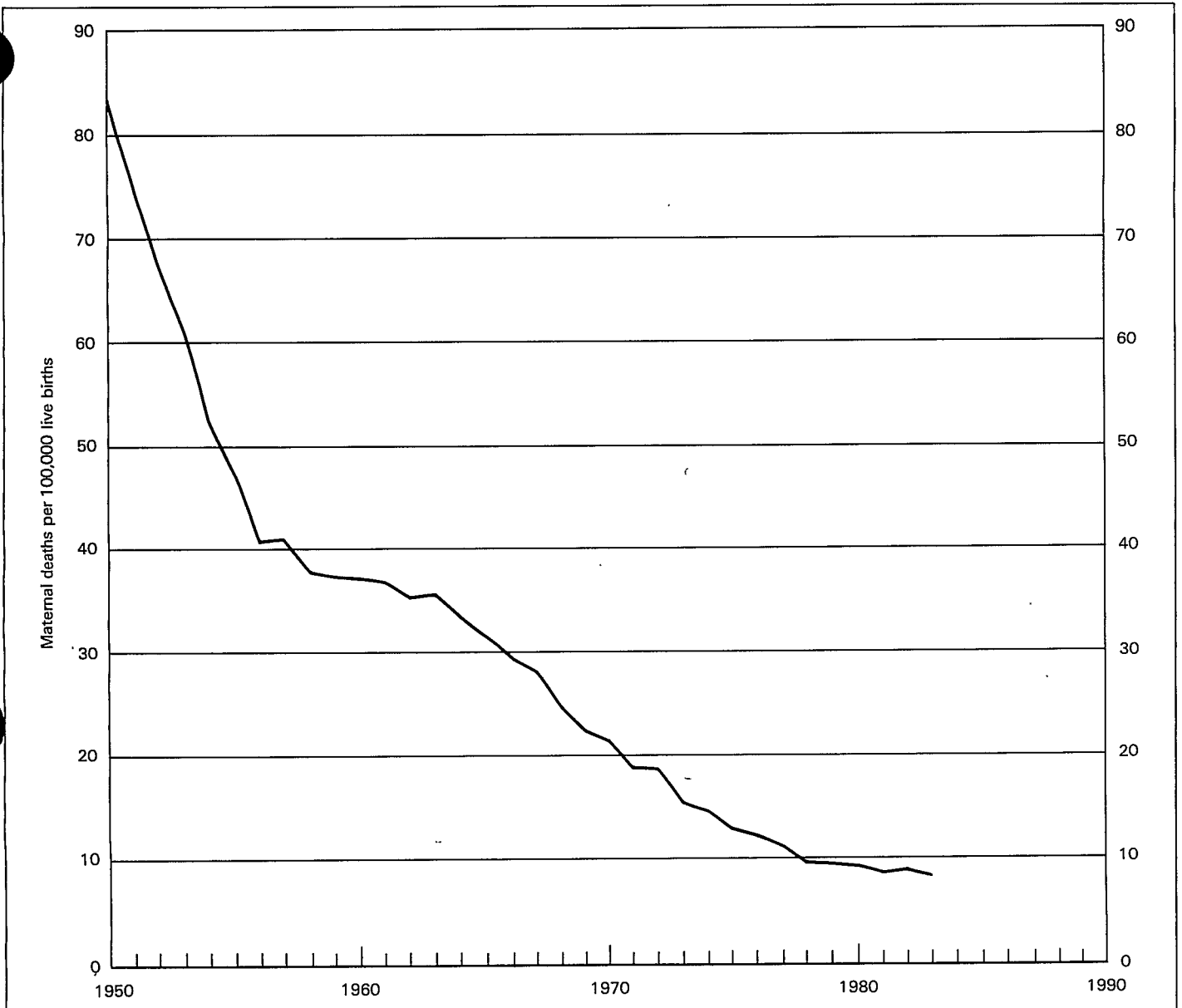


Figure 4. Maternal mortality rates: United States, 1950-83

in the rate since 1976. The marriage rate per 1,000 women 15-44 years of age was 44.2 in 1983 (table J), down 3 percent from the rate for 1982 (45.7). This rate had dropped from 51.2 in 1972 to 43.7 in 1977, and has changed very little since that time.

Marriages show a distinct seasonal pattern. In 1983 for example, the rate increased from a low of 6.7 per 1,000 population in January to a peak of 15.1 in June (table H). The rate stayed relatively high during the summer months and declined during the fall. Except for February, August, and November, marriage rates were lower each month in 1983 than in 1982.

Provisional marriage rates, down for the year and down for most months, were also down for 7 of the 9 geographic divisions in the United States and in 37 of the 50 States and in the District of Columbia. Rates declined more than 5 percent in 10

States (Idaho, Massachusetts, Michigan, Mississippi, New Mexico, Oklahoma, South Dakota, Texas, Utah, and Wyoming).

**Divorces**

Divorces have declined for the second consecutive year. In 1983, 1,179,000 couples divorced, 1,000 fewer than in 1982. The divorce rate for 1983 was 5.0 per 1,000 population, down from 5.1 a year earlier and lower than it has been since 1977. The divorce rate reached a historic high level of 5.3 in 1979 and in 1981.

While the national divorce rate was 5.0 per 1,000 population, rates among States varied from 3.1 in Connecticut and Massachusetts to 12.8 in Nevada. In 1983 rates dropped in 29 of the 49 reporting areas.

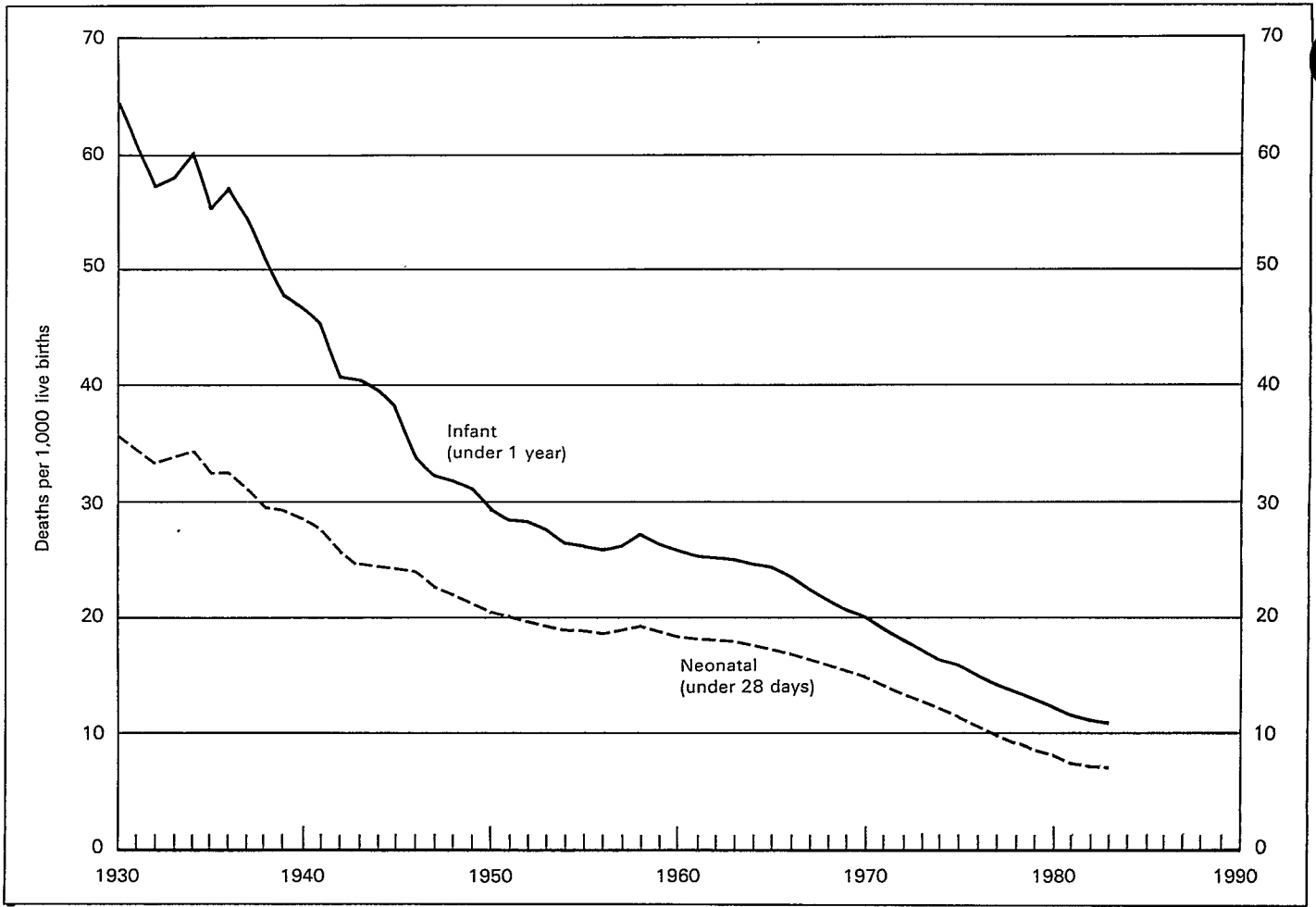


Figure 5. Infant and neonatal mortality rates: United States, 1930-83

Table F. Infant mortality rates by age and for 10 selected causes of death: United States, 1979-83

[For 1982 and 1983, based on a 10-percent sample of deaths; for all other years, based on final data. Rates per 100,000 live births. Rates by cause for 1982 have been revised; see Technical notes]

Age and cause of death (Ninth Revision, International Classification of Diseases, 1975)	1983 (est.)	1982 (est.)	1981	1980	1979
Total, under 1 year . . . . .	1,090.6	1,124.5	1,193.2	1,260.3	1,306.8
Under 28 days . . . . .	726.7	762.4	802.4	847.6	886.6
28 days to 11 months . . . . .	364.5	362.0	390.8	412.7	420.2
Certain gastrointestinal diseases . . . . . 008-009,535,555-558	7.2	7.3	7.7	8.2	9.7
Pneumonia and influenza . . . . . 480-487	21.3	20.0	22.3	28.0	32.3
Congenital anomalies . . . . . 740-759	231.6	238.7	245.6	255.2	255.4
Disorders relating to short gestation and unspecified low birthweight . . . . . 765	92.7	99.4	100.8	101.0	100.0
Birth trauma . . . . . 767	11.9	15.4	25.3	29.3	32.3
Intrauterine hypoxia and birth asphyxia . . . . . 768	31.8	40.0	38.7	41.4	39.9
Respiratory distress syndrome . . . . . 769	101.3	108.0	119.0	138.1	156.2
Other conditions originating in the perinatal period . . . . . 760-764,766,770-779	282.0	297.0	308.9	319.8	339.0
Sudden infant death syndrome . . . . . 798.0	130.1	122.3	145.9	152.5	151.1
All other causes . . . . . Residual	181.0	176.6	179.0	186.7	191.0



**Table G. Deaths under 1 year and infant mortality rates, by month: United States, 1982 and 1983**

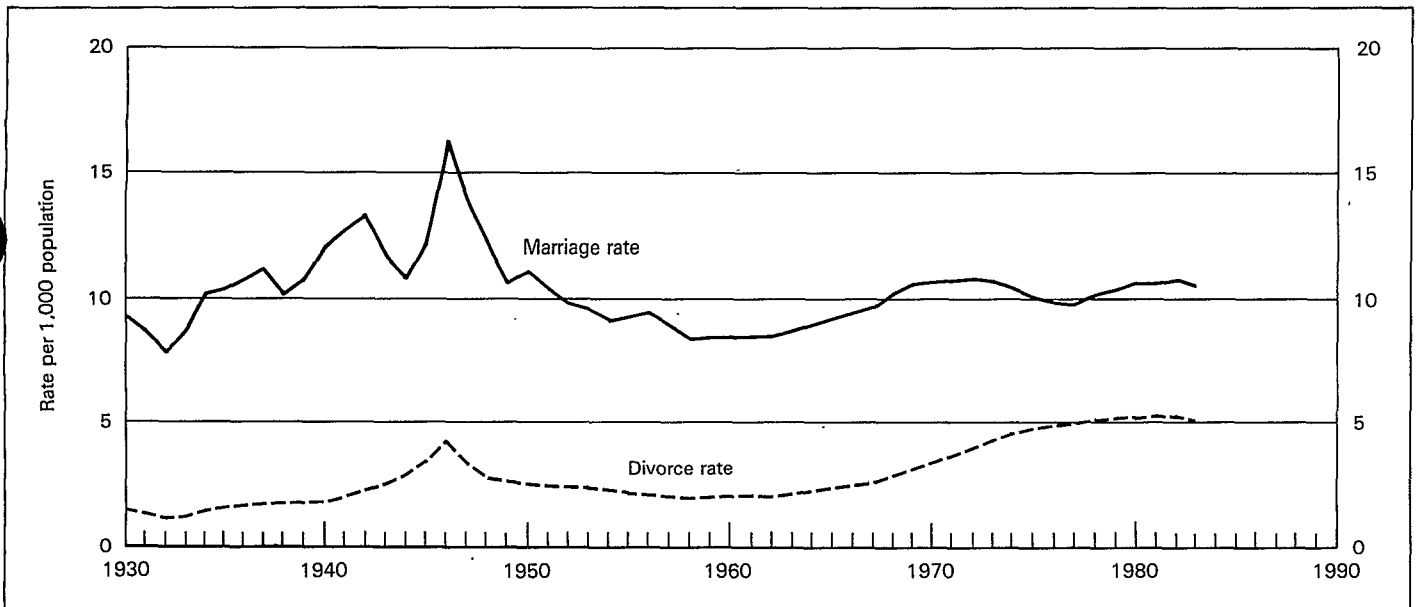
[Rates on an annual basis per 1,000 live births. Monthly rates adjusted for changing numbers of births]

Month	Number		Rate	
	1983	1982	1983	1982
Total	39,400	41,700	10.9	11.2
January	3,600	3,600	11.6	11.7
February	3,400	3,600	12.1	12.9
March	3,500	3,600	11.0	11.9
April	3,300	3,500	11.4	12.0
May	3,300	3,400	10.9	11.2
June	2,900	3,200	9.8	10.6
July	3,300	3,300	10.2	9.9
August	3,200	3,500	10.1	10.8
September	3,200	3,400	10.5	11.0
October	3,500	3,600	11.5	11.2
November	3,000	3,300	10.3	10.9
December	3,200	3,600	10.7	11.4

**Table H. Marriages and marriage rates, by month: United States, 1982 and 1983**

[Rates on an annual basis per 1,000 population]

Month	Number		Rate	
	1983	1982	1983	1982
Total	2,444,000	2,495,000	10.5	10.8
January	132,000	133,000	6.7	6.8
February	143,000	141,000	8.0	8.0
March	162,000	164,000	8.2	8.4
April	185,000	193,000	9.6	10.2
May	231,000	239,000	11.7	12.2
June	289,000	290,000	15.1	15.3
July	228,000	250,000	11.5	12.7
August	272,000	253,000	13.7	12.9
September	236,000	237,000	12.3	12.4
October	195,000	225,000	9.8	11.4
November	188,000	181,000	9.8	9.5
December	183,000	188,000	9.2	9.5



**Figure 6. Marriage and divorce rates: United States, 1930-83**

**Table J. Marriage rates, seasonally adjusted and unadjusted, by month: United States, 1982 and 1983**

[Rates on an annual basis per 1,000 women aged 15-44 years. For method of seasonal adjustment, see Technical notes]

Month	Unadjusted for seasonal variation		Adjusted for seasonal variation		Month	Unadjusted for seasonal variation		Adjusted for seasonal variation	
	1983	1982	1983	1982		1983	1982	1983	1982
Total	44.2	45.7	...	...	June	63.8	64.7	43.5	46.2
January	28.2	28.8	42.5	43.3	July	48.5	53.8	42.7	46.2
February	33.9	33.8	44.4	44.2	August	57.8	54.5	45.8	43.9
March	34.7	35.6	42.6	43.6	September	52.0	52.7	46.3	47.0
April	40.9	43.1	42.1	45.2	October	41.4	48.4	42.3	50.0
May	49.4	51.7	46.1	49.1	November	41.3	40.4	45.9	44.5
					December	38.7	40.4	42.6	41.5

Table 1. Live births, marriages, and rates: Each reporting area, 1982 and 1983

[By place of occurrence. Rates per 1,000 population in specified area. Number of events reported; see Technical notes]

Area	Live births				Marriages <sup>1</sup>			
	Number		Rate		Number		Rate	
	1983	1982	1983	1982	1983	1982	1983	1982
New England.....	170,078	167,082	13.6	13.4	107,068	113,549	8.6	9.1
Maine.....	16,323	16,425	14.2	14.5	12,584	12,536	11.0	11.1
New Hampshire.....	13,973	13,849	14.6	14.6	11,084	10,016	11.6	10.5
Vermont.....	7,671	7,772	14.6	15.1	5,513	5,690	10.5	11.0
Massachusetts.....	78,670	75,908	13.6	13.1	43,587	50,565	7.6	8.7
Rhode Island.....	13,061	13,003	13.7	13.6	8,040	7,881	8.4	8.2
Connecticut.....	40,380	40,125	12.9	12.7	26,260	26,861	8.4	8.5
Middle Atlantic.....	504,234	508,456	13.6	13.8	308,630	315,690	8.3	8.5
New York.....	249,618	249,171	14.1	14.1	156,440	162,486	8.9	9.2
New Jersey.....	95,406	96,401	12.8	13.0	60,752	60,582	8.1	8.1
Pennsylvania.....	159,210	162,884	13.4	13.7	91,438	92,622	7.7	7.8
East North Central.....	622,662	640,201	15.0	15.4	368,495	387,416	8.9	9.3
Ohio.....	160,330	163,767	14.9	15.2	99,991	102,075	9.3	9.5
Indiana.....	82,169	83,453	15.0	15.3	53,455	56,393	9.8	10.3
Illinois.....	175,679	180,423	15.3	15.8	103,519	106,881	9.0	9.3
Michigan.....	131,873	135,585	14.5	14.9	70,735	84,045	7.8	9.2
Wisconsin.....	72,611	76,973	15.3	16.2	40,795	42,959	8.6	9.0
West North Central.....	277,143	284,485	15.9	16.4	170,071	174,927	9.8	10.1
Minnesota.....	64,698	66,645	15.6	16.1	36,553	37,432	8.8	9.1
Iowa.....	43,783	45,631	15.1	15.7	26,747	27,447	9.2	9.4
Missouri.....	76,739	78,843	15.4	15.9	53,487	54,798	10.8	11.1
North Dakota.....	13,200	13,608	19.4	20.3	5,966	6,166	8.8	9.2
South Dakota.....	12,409	12,665	17.7	18.3	7,970	8,343	11.4	12.1
Nebraska.....	26,816	26,849	16.8	16.9	13,512	14,081	8.5	8.9
Kansas.....	39,498	40,244	16.3	16.7	25,836	26,660	10.7	11.1
South Atlantic.....	563,299	563,477	14.5	14.7	432,592	428,371	11.1	11.2
Delaware.....	9,538	9,510	15.7	15.8	5,555	4,826	9.2	8.0
Maryland.....	57,857	57,063	13.4	13.4	47,182	47,467	11.0	11.1
District of Columbia.....	18,592	18,638	29.8	29.5	5,436	5,698	8.7	9.0
Virginia.....	77,448	77,783	14.0	14.2	61,784	62,265	11.1	11.3
West Virginia.....	26,911	28,203	13.7	14.5	15,988	16,467	8.1	8.5
North Carolina.....	84,655	86,692	13.9	14.4	51,991	51,023	8.5	8.5
South Carolina.....	48,513	49,418	14.9	15.4	53,572	53,507	16.4	16.7
Georgia.....	91,090	91,924	15.9	16.3	71,552	71,704	12.5	12.7
Florida.....	148,695	144,246	13.9	13.8	119,532	115,414	11.2	11.1
East South Central.....	224,701	235,436	15.0	15.9	171,879	169,873	11.5	11.5
Kentucky.....	55,252	57,055	14.9	15.6	39,713	35,141	10.7	9.6
Tennessee.....	67,739	71,744	14.5	15.4	56,827	58,542	12.1	12.6
Alabama.....	57,685	61,040	14.6	15.5	48,923	48,545	12.4	12.3
Mississippi.....	44,025	45,597	17.0	17.9	26,416	27,645	10.2	10.8
West South Central.....	455,369	489,907	17.7	19.5	315,108	325,567	12.2	13.0
Arkansas.....	33,630	34,166	14.4	14.9	30,393	28,000	13.1	12.2
Louisiana.....	80,610	85,100	18.2	19.5	45,710	44,284	10.3	10.2
Oklahoma.....	54,085	55,494	16.4	17.5	44,043	47,930	13.4	15.1
Texas.....	287,044	315,147	18.3	20.6	194,962	205,353	12.4	13.4
Mountain.....	234,856	231,226	19.0	19.3	251,407	238,587	20.4	19.9
Montana.....	13,794	14,222	16.9	17.8	8,061	8,169	9.9	10.2
Idaho.....	18,540	19,351	18.7	20.1	13,390	13,964	13.5	14.5
Wyoming.....	9,515	10,050	18.5	20.0	6,200	6,685	12.1	13.3
Colorado.....	55,159	55,116	17.6	18.1	36,031	35,340	11.5	11.6
New Mexico.....	30,186	23,711	21.6	17.4	16,728	17,453	12.0	12.8
Arizona.....	52,659	52,565	17.8	18.4	30,322	29,084	10.2	10.2
Utah.....	40,752	43,188	25.2	27.8	18,346	18,702	11.3	12.0
Nevada.....	14,251	13,023	16.0	14.8	122,329	109,190	137.3	123.9
Pacific.....	549,194	573,350	16.3	17.3	315,448	321,421	9.4	9.7
Washington.....	63,729	66,327	14.8	15.6	46,247	46,972	10.8	11.1
Oregon.....	41,045	42,129	15.4	15.9	23,337	24,057	8.8	9.1
California.....	413,915	435,019	16.4	17.6	224,891	230,694	8.9	9.3
Alaska.....	11,500	11,068	24.0	25.3	6,852	6,330	14.3	14.5
Hawaii.....	19,005	18,807	18.6	18.9	14,121	13,368	13.8	13.4

<sup>1</sup>Data are either marriages reported or marriage licenses issued; see Technical notes.

All data are by State of occurrence rather than by State of residence, and should be interpreted accordingly.

**Table 2. Deaths, infant deaths, and rates: Each reporting area, 1982 and 1983**

[By place of occurrence. Rates for deaths at all ages are per 1,000 population in specified area. Infant mortality rates are deaths under 1 year per 1,000 live births in specified area. Number of events reported; see Technical notes]

Area	Deaths (all ages)				Infant deaths (under 1 year)			
	Number		Rate		Number		Rate	
	1983	1982	1983	1982	1983	1982	1983	1982
New England.....	112,956	113,224	9.0	9.1	1,477	1,685	8.7	10.1
Maine.....	11,242	10,045	9.8	8.9	130	151	8.0	9.2
New Hampshire.....	7,771	7,416	8.1	7.8	89	119	6.4	8.6
Vermont.....	4,908	4,472	9.3	8.7	46	61	6.0	7.8
Massachusetts.....	54,275	56,629	9.4	9.8	746	807	9.5	10.6
Rhode Island.....	9,487	9,089	9.9	9.5	155	143	11.9	11.0
Connecticut.....	25,273	25,573	8.1	8.1	311	404	7.7	10.1
Middle Atlantic.....	358,460	351,718	9.7	9.5	5,470	5,689	10.8	11.2
New York.....	170,464	166,761	9.6	9.4	2,954	3,128	11.8	12.6
New Jersey.....	66,404	66,025	8.9	8.9	923	1,054	9.7	10.9
Pennsylvania.....	121,592	118,932	10.2	10.0	1,593	1,507	10.0	9.3
East North Central.....	361,892	354,415	8.7	8.5	6,909	7,237	11.1	11.3
Ohio.....	98,234	93,647	9.1	8.7	1,733	1,713	10.8	10.5
Indiana.....	48,268	46,843	8.8	8.6	923	945	11.2	11.3
Illinois.....	99,964	97,688	8.7	8.5	2,119	2,398	12.1	13.3
Michigan.....	74,302	74,537	8.2	8.2	1,474	1,583	11.2	11.7
Wisconsin.....	41,124	41,700	8.7	8.8	660	598	9.1	7.8
West North Central.....	160,296	157,250	9.2	9.1	2,779	2,968	10.0	10.4
Minnesota.....	34,099	33,342	8.2	8.1	642	626	9.9	9.4
Iowa.....	27,169	26,792	9.4	9.2	358	405	8.2	8.9
Missouri.....	50,419	48,925	10.1	9.9	897	989	11.7	12.5
North Dakota.....	5,880	5,685	8.6	8.5	108	173	8.2	12.7
South Dakota.....	6,545	6,515	9.4	9.4	129	106	10.4	8.4
Nebraska.....	14,819	14,681	9.3	9.3	265	280	9.9	10.4
Kansas.....	21,365	21,310	8.8	8.8	380	389	9.6	9.7
South Atlantic.....	346,713	335,068	8.9	8.8	7,039	7,312	12.5	13.0
Delaware.....	5,071	5,131	8.4	8.5	102	112	10.7	11.8
Maryland.....	34,524	33,313	8.0	7.8	572	587	9.9	10.3
District of Columbia.....	8,349	8,462	13.4	13.4	366	409	19.7	21.9
Virginia.....	43,226	41,291	7.8	7.5	876	941	11.3	12.1
West Virginia.....	19,210	19,137	9.8	9.8	303	309	11.3	11.0
North Carolina.....	50,602	48,968	8.3	8.1	1,145	1,195	13.5	13.8
South Carolina.....	25,300	24,364	7.8	7.6	716	760	14.8	15.4
Georgia.....	45,988	44,610	8.0	7.9	1,153	1,146	12.7	12.5
Florida.....	114,443	109,792	10.7	10.5	1,806	1,853	12.1	12.8
East South Central.....	133,715	134,113	8.9	9.1	2,824	3,175	12.6	13.5
Kentucky.....	33,590	32,797	9.0	8.9	585	649	10.6	11.4
Tennessee.....	42,148	43,251	9.0	9.3	875	970	12.9	13.5
Alabama.....	34,855	35,101	8.8	8.9	748	863	13.0	14.1
Mississippi.....	23,122	22,964	8.9	9.0	616	693	14.0	15.2
West South Central.....	202,390	202,458	7.8	8.1	5,275	5,582	11.6	11.4
Arkansas.....	23,093	21,995	9.9	9.6	327	338	9.7	9.9
Louisiana.....	35,755	36,071	8.1	8.3	1,148	1,103	14.2	13.0
Oklahoma.....	28,414	28,533	8.6	9.0	580	634	10.7	11.4
Texas.....	115,128	115,859	7.3	7.6	3,220	3,507	11.2	11.1
Mountain.....	85,508	82,997	6.9	6.9	2,271	2,317	9.7	10.0
Montana.....	6,697	6,545	8.2	8.2	106	105	7.7	7.4
Idaho.....	6,951	6,611	7.0	6.9	171	167	9.2	8.6
Wyoming.....	2,990	3,018	5.8	6.0	60	63	6.3	6.3
Colorado.....	19,978	20,184	6.4	6.6	576	553	10.4	10.0
New Mexico.....	9,927	8,260	7.1	6.1	314	235	10.4	9.9
Arizona.....	23,183	22,613	7.8	7.9	521	525	9.9	10.0
Utah.....	8,834	8,997	5.5	5.8	395	514	9.7	11.9
Nevada.....	6,948	6,769	7.8	7.7	128	155	9.0	11.9
Pacific.....	248,189	254,551	7.4	7.7	5,463	5,695	9.9	9.9
Washington.....	31,039	33,472	7.2	7.9	536	628	8.4	9.5
Oregon.....	21,579	21,648	8.1	8.2	388	453	9.5	10.8
California.....	187,938	192,171	7.5	7.8	4,200	4,317	10.1	9.9
Alaska.....	1,921	1,770	4.0	4.0	152	130	13.2	11.7
Hawaii.....	5,712	5,490	5.6	5.5	187	167	9.8	8.9

All data are by State of occurrence rather than by State of residence, and should be interpreted accordingly.

Table 3. Divorces and divorce rates: United States and each reporting area, 1982 and 1983

[By place of occurrence. Includes reported annulments. Rates per 1,000 population in specified area. Number of events reported; see Technical notes]

Area	Number		Rate		Area	Number		Rate	
	1983	1982	1983	1982		1983	1982	1983	1982
United States <sup>1</sup> . . . . .	1,179,000	1,180,000	5.0	5.1	Missouri . . . . .	26,749	27,223	5.4	5.5
Total, 49 areas . . . . .	1,107,606	1,119,425	4.9	5.0	Montana . . . . .	4,650	4,630	5.7	5.8
Alabama . . . . .	25,739	25,217	6.5	6.4	Nebraska . . . . .	6,323	6,508	4.0	4.1
Alaska . . . . .	3,878	3,629	8.1	8.3	Nevada . . . . .	11,404	12,248	12.8	13.9
Arizona . . . . .	20,891	20,168	7.1	7.1	New Hampshire . . . . .	4,634	5,032	4.8	5.3
Arkansas . . . . .	15,786	15,716	6.8	6.9	New Jersey . . . . .	26,593	28,643	3.6	3.9
California . . . . .	129,131	138,435	5.1	5.6	New Mexico . . . . .	9,063	9,576	6.5	7.0
Colorado . . . . .	19,738	17,189	6.3	5.6	New York . . . . .	64,480	62,585	3.6	3.5
Connecticut . . . . .	9,868	10,870	3.1	3.4	North Carolina . . . . .	30,285	29,715	5.0	4.9
Delaware . . . . .	3,060	3,214	5.0	5.3	North Dakota . . . . .	2,326	2,212	3.4	3.3
District of Columbia . . . . .	2,731	3,418	4.4	5.4	Ohio . . . . .	53,999	53,911	5.0	5.0
Florida . . . . .	71,295	71,483	6.7	6.9	Oklahoma . . . . .	23,752	23,926	7.2	7.5
Georgia . . . . .	32,448	32,091	5.7	5.7	Oregon . . . . .	16,548	16,545	6.2	6.2
Hawaii . . . . .	4,574	4,290	4.5	4.3	Pennsylvania . . . . .	40,369	38,523	3.4	3.2
Idaho . . . . .	6,240	6,323	6.3	6.6	Rhode Island . . . . .	3,532	3,618	3.7	3.8
Illinois . . . . .	50,514	50,247	4.4	4.4	South Carolina . . . . .	13,685	13,677	4.2	4.3
Iowa . . . . .	10,653	10,934	3.7	3.8	South Dakota . . . . .	2,550	2,572	3.6	3.7
Kansas . . . . .	12,431	12,717	5.1	5.3	Tennessee . . . . .	30,740	29,970	6.6	6.4
Kentucky . . . . .	17,144	16,768	4.6	4.6	Texas . . . . .	96,988	101,580	6.2	6.6
Maine . . . . .	5,920	5,830	5.2	5.1	Utah . . . . .	8,467	8,347	5.2	5.4
Maryland . . . . .	15,957	14,974	3.7	3.5	Vermont . . . . .	2,529	2,627	4.8	5.1
Massachusetts . . . . .	17,670	20,779	3.1	3.6	Virginia . . . . .	25,519	26,262	4.6	4.8
Michigan . . . . .	39,733	38,228	4.4	4.2	Washington . . . . .	27,268	27,772	6.3	6.5
Minnesota . . . . .	14,501	14,397	3.5	3.5	West Virginia . . . . .	10,125	10,352	5.2	5.3
Mississippi . . . . .	14,020	13,264	5.4	5.2	Wisconsin . . . . .	17,123	17,278	3.6	3.6
					Wyoming . . . . .	3,983	3,912	7.7	7.8

<sup>1</sup>Data are estimated; see Technical notes.

**Table 4. Provisional abridged life table for the total population: United States, 1983**

[Based on a 10-percent sample of deaths. For explanation of the columns of the life table, see Section 5 of *Vital Statistics of the United States*, 1979, Volume II, Part A]

Age interval	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval (2)	Number living at beginning of age interval (3)	Number dying during age interval (4)	In the age interval (5)	In this and all subsequent age intervals (6)	Average number of years of life remaining at beginning of age interval (7)
Period of life between 2 exact ages stated in years (1)	$nq_x$	$l_x$	$n^d_x$	$nL_x$	$T_x$	$e_x$
x to x + n						
0-1	0.0109	100,000	1,087	99,058	7,467,051	74.7
1-5	0.0020	98,913	203	395,180	7,367,993	74.5
5-10	0.0013	98,710	126	493,211	6,972,813	70.6
10-15	0.0015	98,584	143	492,618	6,479,602	65.7
15-20	0.0041	98,441	404	491,289	5,986,984	60.8
20-25	0.0054	98,037	530	488,877	5,495,695	56.1
25-30	0.0059	97,507	578	486,090	5,006,818	51.3
30-35	0.0062	96,929	605	483,198	4,520,728	46.6
35-40	0.0085	96,324	819	479,704	4,037,530	41.9
40-45	0.0121	95,505	1,155	474,828	3,557,826	37.3
45-50	0.0206	94,350	1,943	467,196	3,082,998	32.7
50-55	0.0330	92,407	3,049	454,886	2,615,802	28.3
55-60	0.0514	89,358	4,592	435,929	2,160,916	24.2
60-65	0.0755	84,766	6,403	408,561	1,724,987	20.3
65-70	0.1123	78,363	8,799	370,675	1,316,426	16.8
70-75	0.1624	69,564	11,298	320,470	945,751	13.6
75-80	0.2338	58,266	13,621	257,754	625,281	10.7
80-85	0.3330	44,645	14,867	185,455	367,527	8.2
85 and over	1.0000	29,778	29,778	182,072	182,072	6.1

**Table 5. Average length of life in years by race and sex: United States, specified years, 1950-83**

[For 1982 and 1983, based on a 10-percent sample of deaths; for all other years, based on final data]

Year	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
1983 (est.)	74.7	71.0	78.3	75.2	71.6	78.8	71.3	67.1	75.3	69.6	65.2	73.8
1982 (est.)	74.5	70.8	78.2	75.1	71.4	78.7	70.9	66.5	75.2	69.3	64.8	73.8
1981	74.2	70.4	77.9	74.8	71.1	78.5	70.3	66.1	74.5	68.7	64.4	73.0
1980	73.7	70.0	77.5	74.4	70.7	78.1	69.5	65.3	73.6	68.0	63.7	72.3
1979	73.9	70.0	77.8	74.6	70.8	78.4	69.8	65.4	74.1	68.5	64.0	72.9
1978	73.5	69.6	77.3	74.1	70.4	78.0	69.3	65.0	73.5	68.1	63.7	72.4
1977	73.3	69.5	77.2	74.0	70.2	77.9	68.9	64.7	73.2	67.7	63.4	72.0
1976	72.9	69.1	76.8	73.6	69.9	77.5	68.4	64.2	72.7	67.2	62.9	71.6
1975	72.6	68.8	76.6	73.4	69.5	77.3	68.0	63.7	72.4	66.8	62.4	71.3
1970	70.8	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4	64.1	60.0	68.3
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3	---	---	---
1950	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9	---	---	---

Table 6. Death rates by age, race, and sex and age-adjusted death rates by race and sex: United States, 1950, 1960, 1970, and 1980-83

[For 1982 and 1983, based on a 10-percent sample of deaths; for all other years, based on final data. Data for 1970 and 1980-81 exclude deaths of nonresidents of the United States; see Technical notes. Rates per 100,000 population in specified group. For method of computation of age-adjusted rates, see Technical notes]

Race, sex, and year	All ages <sup>1</sup>	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Age- adjusted rate
All races													
1983 (est.)...	858.9	1,076.8	51.7	27.3	95.8	121.6	203.3	541.9	1,298.8	2,883.4	6,309.7	15,422.3	549.6
1982 (est.)...	857.6	1,143.7	55.5	27.8	104.7	126.9	207.9	556.4	1,292.4	2,904.5	6,350.3	15,228.6	556.4
1981.....	862.4	1,207.3	60.2	29.4	107.1	132.1	221.3	573.5	1,322.1	2,922.3	6,429.9	15,379.7	568.2
1980.....	878.3	1,288.3	63.9	30.6	115.4	135.5	227.9	584.0	1,346.3	2,994.9	6,692.6	15,980.3	585.8
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	714.3
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	760.9
1950.....	963.8	3,299.2	139.4	60.1	128.1	178.7	358.7	853.9	<sup>2</sup> 1,901.0	<sup>24</sup> 4,104.3	9,331.1	20,196.9	841.5
Male													
1983 (est.)...	942.0	1,229.3	57.4	33.1	139.1	174.0	270.4	705.1	1,726.6	3,923.9	8,424.4	18,400.5	727.8
1982 (est.)...	946.1	1,266.1	62.8	34.5	154.5	181.7	271.6	730.2	1,728.2	3,970.9	8,468.5	18,053.9	738.3
1981.....	954.5	1,331.8	67.3	35.7	158.3	190.6	291.9	751.7	1,774.7	3,994.6	8,519.6	18,138.2	753.3
1980.....	976.9	1,428.5	72.6	36.7	172.3	196.1	299.2	767.3	1,815.1	4,105.2	8,816.7	18,801.1	777.2
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	931.6
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	949.3
1950.....	1,106.1	3,728.0	151.7	70.9	167.9	216.5	428.8	1,067.1	<sup>22</sup> 2,395.3	<sup>24</sup> 4,931.4	10,426.0	21,636.0	1,001.6
Female													
1983 (est.)...	780.3	917.6	45.8	21.3	51.3	69.7	138.4	388.9	923.7	2,084.9	5,066.0	14,194.6	408.5
1982 (est.)...	774.0	1,015.2	47.9	20.8	53.8	72.7	146.3	393.8	910.4	2,086.2	5,105.2	14,042.4	411.9
1981.....	775.4	1,076.7	52.8	22.8	54.8	74.3	153.2	406.9	925.2	2,100.6	5,201.0	14,202.5	420.4
1980.....	785.3	1,141.7	54.7	24.2	57.5	75.9	159.3	412.9	934.3	2,144.7	5,440.1	14,746.9	432.6
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	532.5
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	590.6
1950.....	823.5	2,854.6	126.7	48.9	89.1	142.7	290.3	641.5	<sup>21</sup> 1,404.8	<sup>23</sup> 3,333.2	8,399.6	19,194.7	688.4
White													
1983 (est.)...	882.7	937.7	48.3	26.3	94.7	109.2	179.0	499.5	1,228.9	2,815.7	6,324.5	15,666.5	528.5
1982 (est.)...	878.0	1,020.6	50.1	26.3	101.0	109.9	183.3	510.6	1,231.1	2,839.7	6,347.7	15,463.7	534.3
1981.....	880.3	1,062.0	54.3	28.0	104.6	116.2	192.5	524.9	1,255.7	2,855.9	6,423.4	15,628.0	544.6
1980.....	892.5	1,099.9	57.9	29.1	112.0	118.4	197.2	531.6	1,276.7	2,921.1	6,664.9	16,220.0	559.4
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	16,889.7	679.6
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	20,354.5	727.0
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	800.4
White, male													
1983 (est.)...	958.6	1,078.0	54.3	31.5	137.9	155.5	236.4	649.4	1,636.5	3,849.6	8,482.4	18,797.3	701.8
1982 (est.)...	957.6	1,129.2	55.5	32.1	148.2	156.7	237.7	671.0	1,648.6	3,893.2	8,506.5	18,333.3	709.7
1981.....	965.1	1,182.0	60.5	34.2	154.5	167.3	252.4	686.5	1,692.0	3,926.9	8,565.2	18,454.0	724.4
1980.....	983.3	1,230.3	66.1	35.0	167.0	171.3	257.4	698.9	1,728.5	4,035.7	8,829.8	19,097.3	745.3
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	893.4
1960.....	1,098.5	2,694.1	104.9	52.7	143.7	163.2	332.6	932.2	2,225.2	4,848.4	10,299.6	21,750.0	917.7
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	963.1
White, female													
1983 (est.)...	810.4	789.6	42.0	20.9	50.1	62.4	122.3	356.2	867.0	2,018.0	5,067.7	14,390.5	391.5
1982 (est.)...	802.3	906.2	44.3	20.2	52.3	62.8	129.7	357.6	860.9	2,029.0	5,090.1	14,278.0	395.1
1981.....	799.6	935.4	47.7	21.6	53.2	64.7	133.6	370.9	869.4	2,032.8	5,176.3	14,438.2	401.4
1980.....	806.1	962.5	49.3	22.9	55.5	65.4	138.2	372.7	876.2	2,066.6	5,401.7	14,979.6	411.1
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	501.7
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	555.0
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	645.0

See footnotes at end of table.

**Table 6. Death rates by age, race, and sex and age-adjusted death rates by race and sex: United States, 1950, 1960, 1970, and 1980-83—Con.**

[For 1982 and 1983, based on a 10-percent sample of deaths; for all other years, based on final data. Data for 1970 and 1980-81 exclude deaths of nonresidents of the United States; see Technical notes. Rates per 100,000 population in specified group. For method of computation of age-adjusted rates, see Technical notes]

Race, sex, and year	All ages <sup>1</sup>	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Age-adjusted rate
<b>All other</b>													
1983 (est.)...	721.4	1,629.2	66.0	32.1	101.0	190.9	359.4	831.7	1,874.7	3,496.6	6,156.5	12,655.2	693.5
1982 (est.)...	736.7	1,634.2	79.1	34.6	123.4	224.2	368.8	877.6	1,810.9	3,496.5	6,376.7	12,624.4	709.6
1981.....	755.0	1,786.5	87.3	35.6	120.0	226.2	408.2	921.0	1,890.8	3,531.9	6,478.6	12,547.9	732.6
1980.....	791.7	2,148.5	91.4	37.4	133.6	239.1	428.9	967.7	1,954.9	3,671.0	6,984.3	13,227.1	774.2
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	983.4
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	1,046.1
1950.....	1,119.4	5,368.4	250.8	86.0	251.3	440.2	805.3	1,706.1	<sup>2</sup> 3,126.6	<sup>2</sup> 5,205.0	8,039.7	14,473.6	1,225.7
<b>All other, male</b>													
1983 (est.)...	843.8	1,839.6	70.5	40.8	145.3	283.4	504.9	1,118.2	2,515.6	4,628.1	7,886.0	14,514.7	916.9
1982 (est.)...	876.2	1,823.8	95.0	45.4	186.8	334.9	510.5	1,179.5	2,438.3	4,713.2	8,109.6	15,507.7	947.4
1981.....	889.4	1,934.3	98.8	43.0	178.5	338.8	567.5	1,255.7	2,522.6	4,626.0	8,056.0	14,685.9	964.3
1980.....	936.5	2,350.2	103.0	44.9	201.6	357.8	594.2	1,309.1	2,606.3	4,747.2	8,688.5	15,774.9	1,015.1
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	1,231.4
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	1,211.0
1950.....	1,251.1	5,991.6	271.2	97.1	289.9	496.2	860.7	1,857.3	<sup>2</sup> 3,480.8	<sup>2</sup> 5,794.9	9,029.6	16,022.1	1,358.5
<b>All other, female</b>													
1983 (est.)...	610.2	1,417.6	61.4	23.2	57.0	108.2	235.3	596.4	1,366.6	2,674.5	5,048.0	11,632.4	519.4
1982 (est.)...	610.1	1,440.4	62.9	23.7	60.9	126.2	248.0	630.0	1,309.5	2,600.7	5,262.1	11,204.5	523.6
1981.....	633.0	1,634.5	75.6	28.2	62.8	127.3	272.4	646.1	1,383.1	2,715.2	5,463.9	11,371.7	549.4
1980.....	660.6	1,944.1	79.5	29.8	68.0	135.7	288.3	687.8	1,423.1	2,856.2	5,863.3	11,922.3	582.6
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	770.8
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	893.3
1950.....	993.5	4,749.0	230.3	75.0	216.4	390.4	754.0	1,554.9	<sup>2</sup> 2,763.0	<sup>2</sup> 4,610.7	7,064.7	13,366.8	1,095.7
<b>Black</b>													
1983 (est.)...	811.9	1,843.3	69.0	34.9	104.8	218.7	425.1	948.1	2,094.3	3,812.8	6,586.7	13,293.1	767.7
1982 (est.)...	819.3	1,815.3	81.8	36.9	128.7	253.8	434.4	985.1	2,005.6	3,781.1	6,732.2	12,994.2	777.1
1981.....	841.7	1,992.7	93.6	37.7	124.3	255.9	470.5	1,041.1	2,094.4	3,816.3	6,904.8	13,073.7	803.9
1980.....	875.4	2,356.6	97.6	39.0	138.3	269.5	489.9	1,087.6	2,146.6	3,932.9	7,382.6	13,610.8	842.5
1970.....	999.3	3,835.6	140.0	55.5	212.4	381.2	724.9	1,383.8	2,570.6	4,719.4	7,860.7	11,300.5	1,044.0
1960.....	1,038.6	4,740.9	190.9	64.5	157.9	333.0	659.0	1,391.7	2,899.1	4,880.2	7,594.9	13,828.4	1,073.3
1950.....	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Black, male</b>													
1983 (est.)...	950.2	2,098.7	71.6	43.9	153.7	330.9	604.4	1,300.5	2,813.7	5,057.9	8,552.9	15,386.0	1,024.7
1982 (est.)...	974.3	2,049.5	97.6	48.1	197.2	381.0	611.1	1,331.0	2,708.9	5,159.9	8,620.4	15,732.1	1,045.5
1981.....	991.6	2,164.8	105.3	45.2	186.7	387.1	667.9	1,432.5	2,804.1	5,046.3	8,635.1	15,396.4	1,067.7
1980.....	1,034.1	2,586.7	110.5	47.4	209.1	407.3	689.8	1,479.9	2,873.0	5,131.1	9,231.6	16,098.8	1,112.8
1970.....	1,186.6	4,298.9	150.5	67.1	320.6	559.5	956.6	1,777.5	3,256.9	5,803.2	9,454.9	12,222.3	1,318.6
1960.....	1,181.7	5,306.8	208.5	75.1	212.0	402.5	762.0	1,624.8	3,316.4	5,798.7	8,605.1	14,844.8	1,246.1
1950.....	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Black, female</b>													
1983 (est.)...	687.8	1,581.1	66.5	25.7	56.8	119.0	275.9	664.3	1,530.4	2,934.4	5,392.9	12,273.5	571.5
1982 (est.)...	680.3	1,582.5	65.7	25.6	62.0	142.2	287.3	705.1	1,449.2	2,796.7	5,578.6	11,660.9	570.9
1981.....	707.3	1,823.4	81.6	30.0	64.0	141.1	306.1	723.9	1,527.9	2,929.7	5,822.3	11,933.0	599.1
1980.....	733.3	2,123.7	84.4	30.5	70.5	150.0	323.9	768.2	1,561.0	3,057.4	6,212.1	12,367.2	631.1
1970.....	829.2	3,368.8	129.4	43.8	111.9	231.0	533.0	1,043.9	1,986.2	3,860.9	6,691.5	10,706.6	814.4
1960.....	905.0	4,162.2	173.3	53.8	107.5	273.2	568.5	1,177.0	2,510.9	4,064.2	6,730.0	13,052.6	916.9
1950.....	---	---	---	---	---	---	---	---	---	---	---	---	---

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

<sup>2</sup>Based on enumerated population adjusted for age bias in the "All other" population at ages 55-69 years.

**Table 7. Deaths and death rates, by age, race, and sex: United States, 1983**

[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	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
	Number											
All ages . . . . .	2,010,000	1,071,220	938,490	1,761,100	932,740	828,360	248,610	138,480	110,130	228,080	126,280	101,800
Under 1 year . . . . .	39,400	23,050	16,380	27,390	16,170	11,220	12,040	6,880	5,160	11,060	6,380	4,680
1-4 years . . . . .	7,330	4,160	3,170	5,530	3,190	2,340	1,800	970	830	1,530	800	730
5-14 years . . . . .	9,230	5,720	3,510	7,270	4,460	2,810	1,960	1,260	700	1,750	1,110	640
15-24 years . . . . .	39,150	28,800	10,350	32,160	23,790	8,370	6,990	5,010	1,980	6,070	4,410	1,660
25-34 years . . . . .	48,830	34,770	14,060	37,130	26,570	10,560	11,700	8,200	3,500	10,640	7,570	3,070
35-44 years . . . . .	59,820	39,110	20,710	45,550	29,880	15,670	14,270	9,230	5,040	13,120	8,480	4,640
45-54 years . . . . .	121,040	76,220	44,820	97,320	61,840	35,480	23,720	14,380	9,340	21,760	13,330	8,430
55-59 years . . . . .	120,590	75,690	44,900	100,370	63,700	36,670	20,220	11,990	8,230	18,640	11,040	7,600
60-64 years . . . . .	167,980	103,510	64,470	143,170	88,810	54,360	24,810	14,700	10,110	23,120	13,580	9,540
65-69 years . . . . .	213,350	128,740	84,610	186,880	113,840	73,040	26,470	14,900	11,570	24,360	13,550	10,810
70-74 years . . . . .	258,440	150,050	108,390	228,160	133,340	94,820	30,280	16,710	13,570	28,180	15,280	12,900
75-79 years . . . . .	276,970	146,270	130,700	250,640	132,610	118,030	26,330	13,660	12,670	24,350	12,380	11,970
80-84 years . . . . .	260,490	119,350	141,140	238,430	108,800	129,630	22,060	10,550	11,510	20,110	9,430	10,680
85 years and over . . . . .	386,020	135,060	250,960	360,330	125,190	235,140	25,690	9,870	15,820	23,130	8,770	14,360
Not stated . . . . .	1,040	720	320	770	550	220	270	170	100	260	170	90
	Rate											
All ages <sup>1</sup> . . . . .	858.9	942.0	780.3	882.7	958.6	810.4	721.4	843.8	610.2	811.9	950.2	687.8
Under 1 year . . . . .	1,076.8	1,229.3	917.6	937.7	1,078.0	789.6	1,629.2	1,839.6	1,417.6	1,843.3	2,098.7	1,581.1
1-4 years . . . . .	51.7	57.4	45.8	48.3	54.3	42.0	66.0	70.5	61.4	69.0	71.6	66.5
5-14 years . . . . .	27.3	33.1	21.3	26.3	31.5	20.9	32.1	40.8	23.2	34.9	43.9	25.7
15-24 years . . . . .	95.8	139.1	51.3	94.7	137.9	50.1	101.0	145.3	57.0	104.8	153.7	56.8
25-34 years . . . . .	121.6	174.0	69.7	109.2	155.5	62.4	190.9	283.4	108.2	218.7	330.9	119.0
35-44 years . . . . .	203.3	270.4	138.4	179.0	236.4	122.3	359.4	504.9	235.3	425.1	604.4	275.9
45-54 years . . . . .	541.9	705.1	388.9	499.5	649.4	356.2	831.7	1,118.2	596.4	948.1	1,300.5	664.3
55-59 years . . . . .	1,051.0	1,399.1	740.4	985.0	1,314.8	685.9	1,574.8	2,118.4	1,146.2	1,760.2	2,374.2	1,277.3
60-64 years . . . . .	1,563.3	2,083.1	1,116.0	1,487.2	1,985.0	1,054.9	2,219.1	2,969.7	1,620.2	2,472.7	3,312.2	1,817.1
65-69 years . . . . .	2,367.4	3,202.5	1,694.9	2,299.2	3,124.9	1,628.9	2,994.3	3,962.8	2,277.6	3,265.4	4,315.3	2,502.3
70-74 years . . . . .	3,516.2	4,863.9	2,541.4	3,450.7	4,799.9	2,473.1	4,097.4	5,443.0	3,141.2	4,458.9	5,968.8	3,430.9
75-79 years . . . . .	5,269.6	7,205.4	4,051.5	5,262.2	7,234.6	4,028.3	5,340.8	6,934.0	4,280.4	5,742.9	7,548.8	4,603.8
80-84 years . . . . .	7,985.6	10,627.8	6,595.3	8,027.9	10,740.4	6,623.9	7,529.0	9,590.9	6,289.6	8,012.0	10,362.6	6,675.0
85 years and over . . . . .	15,422.3	18,400.5	14,194.6	15,666.5	18,797.3	14,390.5	12,655.2	14,514.7	11,632.4	13,293.1	15,386.0	12,273.5

<sup>1</sup>Figures 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, 1982 and 1983**

[Based on a 10-percent sample of deaths. Rates per 100,000 population in specified group. Rates for 1982 have been revised; see Technical notes]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	Year	Age											Age-adjusted rate <sup>2</sup>
		All ages <sup>1</sup>	Under 1 year	1-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	
All causes . . . . .	1983	858.9	1,076.8	34.6	95.8	121.6	203.3	541.9	1,298.8	2,883.4	6,309.7	15,422.3	549.6
	1982	857.6	1,143.7	35.8	104.7	126.9	207.9	556.4	1,292.4	2,904.5	6,350.3	15,228.6	556.4
Diseases of heart . . . . 390-398,402,404-429	1983	327.6	20.5	1.4	2.4	7.5	40.2	166.1	467.1	1,144.1	2,737.1	7,502.6	188.5
	1982	328.3	19.5	1.2	2.9	7.7	41.8	169.7	464.0	1,161.4	2,811.7	7,481.0	191.0
Rheumatic fever and rheumatic heart disease . . . . . 390-398	1983	2.9	-	-	0.1	0.2	1.0	2.7	6.7	12.0	19.5	23.6	2.0
	1982	2.9	-	0.0	0.2	0.3	0.7	3.0	6.9	12.8	18.4	21.7	2.1
Hypertensive heart disease . . . . . 402	1983	9.1	-	-	0.0	0.2	1.9	6.0	15.6	33.3	72.7	164.6	5.6
	1982	8.8	-	-	0.0	0.2	1.4	6.3	13.8	32.4	75.0	168.1	5.4
Hypertensive heart and renal disease . . . 404	1983	1.2	-	-	-	-	0.1	0.4	1.1	3.7	12.1	36.8	0.6
	1982	1.4	-	-	-	0.1	0.2	0.4	0.9	3.7	14.4	43.8	0.7
Ischemic heart disease . . . . . 410-414	1983	233.8	0.3	0.1	0.3	2.6	24.5	117.5	338.6	842.4	1,975.8	5,234.5	134.4
	1982	239.8	0.8	0.0	0.3	3.2	26.9	122.7	344.0	877.6	2,079.6	5,305.9	139.6
Acute myocardial infarction . . . . . 410	1983	121.1	0.3	0.0	0.2	1.7	15.2	74.1	216.5	500.1	1,004.9	1,832.6	75.2
	1982	125.5	0.3	0.0	0.3	2.2	17.6	80.4	221.7	532.0	1,057.3	1,822.1	79.2
Other acute and subacute forms of ischemic heart disease . . . . . 411	1983	1.8	-	-	0.0	0.0	0.5	1.7	4.5	7.4	10.2	24.4	1.2
	1982	2.0	0.3	-	-	0.1	0.5	2.0	4.7	7.7	12.9	32.3	1.4
Angina pectoris . . . . . 413	1983	0.4	-	-	-	0.0	0.1	0.0	0.6	1.2	3.4	6.0	0.2
	1982	0.2	-	-	-	-	0.0	0.1	0.3	0.9	2.2	1.6	0.1
Old myocardial infarction and other forms of chronic ischemic heart disease . . . . . 412,414	1983	110.6	-	0.0	0.1	0.8	8.6	41.7	116.9	333.7	957.3	3,371.6	57.7
	1982	112.1	0.3	0.0	0.0	1.0	8.8	40.3	117.4	336.9	1,007.3	3,449.9	58.9
Other diseases of endocardium . . . . . 424	1983	3.5	-	0.1	0.1	0.2	0.7	1.0	4.1	12.0	33.5	70.3	2.0
	1982	3.4	-	0.1	0.3	0.1	0.8	1.7	4.3	11.3	33.8	62.6	2.1
All other forms of heart disease . . . . . 415-423,425-429	1983	77.0	20.2	1.3	1.9	4.2	11.9	38.6	100.9	240.6	623.5	1,972.8	43.9
	1982	71.9	18.7	1.1	2.1	3.8	11.9	35.5	94.1	223.7	590.7	1,878.9	41.2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . . . . 140-208	1983	188.3	2.2	4.2	5.4	13.2	45.7	174.3	439.4	831.7	1,227.6	1,610.5	132.3
	1982	188.3	2.2	3.7	6.5	12.8	45.8	179.1	443.5	835.1	1,231.2	1,599.6	133.4
Malignant neoplasms of lip, oral cavity, and pharynx . . . . . 140-149	1983	3.4	-	0.0	0.1	0.2	0.8	4.3	9.9	15.2	15.1	22.8	2.5
	1982	3.6	-	0.0	0.0	0.2	1.0	5.1	11.4	15.6	16.6	22.9	2.8
Malignant neoplasms of digestive organs and peritoneum . . . . . 150-159	1983	48.3	0.3	0.1	0.3	1.5	7.6	36.0	98.8	214.3	363.1	554.9	31.8
	1982	48.5	-	0.1	0.6	1.6	7.8	34.5	102.5	214.3	372.0	554.6	32.1
Malignant neoplasms of respiratory and intrathoracic organs . . . . . 160-165	1983	51.6	-	-	0.1	0.7	9.2	54.4	151.4	260.8	283.0	202.2	38.1
	1982	50.3	-	0.0	0.1	0.6	8.2	58.8	150.9	254.3	265.5	178.7	37.7
Malignant neoplasm of breast . . . . 174-175	1983	16.5	-	-	0.0	1.8	8.4	22.5	44.4	61.9	84.1	125.4	12.5
	1982	16.2	-	-	0.0	1.6	9.1	22.5	44.1	61.1	79.8	127.2	12.4
Malignant neoplasms of genital organs . . . . . 179-187	1983	20.5	-	0.1	0.3	1.5	4.3	12.4	33.5	88.1	173.2	256.5	13.0
	1982	20.6	-	0.0	0.3	1.5	3.6	12.5	35.2	90.9	173.9	261.3	13.2

See footnotes at end of table.

**Table 8. Age-specific and age-adjusted death rates for 15 leading causes and selected components: United States, 1982 and 1983—Con.**

[Based on a 10-percent sample of deaths. Rates per 100,000 population in specified group. Rates for 1982 have been revised; see Technical notes]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	Year	Age											Age-adjusted rate <sup>2</sup>
		All ages <sup>1</sup>	Under 1 year	1-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues—Con.</b>													
<b>Malignant neoplasms of urinary organs . . . . . 188-189</b>													
	1983	7.8	-	0.1	0.1	0.3	1.1	5.7	16.2	33.3	57.2	102.7	5.1
	1982	8.1	0.3	0.1	0.1	0.3	1.1	5.3	15.1	36.4	63.3	106.3	5.2
<b>Malignant neoplasms of all other and unspecified sites . . . . . 170-173,190-199</b>													
	1983	23.3	1.1	1.7	2.0	3.6	8.4	24.9	53.0	91.9	137.1	196.2	17.1
	1982	23.7	0.8	1.4	2.7	3.6	8.9	24.4	54.6	94.7	141.0	191.0	17.5
<b>Leukemia . . . . . 204-208</b>													
	1983	7.2	0.8	1.9	1.1	1.8	2.8	5.8	12.1	25.3	44.6	81.9	5.2
	1982	7.4	1.1	1.6	2.0	1.7	2.5	5.5	10.2	27.5	49.9	88.8	5.3
<b>Other malignant neoplasms of lymphatic and hematopoietic tissues . . . . . 200-203</b>													
	1983	9.8	-	0.3	1.3	1.8	3.1	8.2	20.1	40.9	70.0	67.5	7.0
	1982	9.8	-	0.3	0.8	1.8	3.5	10.6	19.5	40.3	69.3	68.7	7.2
<b>Cerebrovascular diseases . . . . . 430-438</b>													
	1983	66.8	3.3	0.1	0.7	1.9	6.3	21.4	58.8	184.3	652.4	1,985.6	34.3
	1982	69.0	3.8	0.2	1.0	2.3	8.0	24.3	57.4	195.4	679.2	2,058.1	36.2
<b>Accidents and adverse effects . . . . . E800-E949</b>													
	1983	39.0	24.3	14.6	48.7	38.7	31.3	33.1	35.5	48.8	101.3	267.7	34.9
	1982	41.4	28.6	16.2	52.2	41.6	32.5	33.9	37.5	53.2	104.6	278.9	37.2
<b>Motor vehicle accidents . . . . . E810-E825</b>													
	1983	18.7	4.9	6.6	35.0	22.5	15.9	14.7	13.9	17.9	26.1	29.2	18.1
	1982	20.2	6.6	7.7	36.6	25.2	17.3	15.6	15.3	18.5	27.7	31.5	19.6
<b>All other accidents and adverse effects . . . . . E800-E807,E826-E949</b>													
	1983	20.3	19.7	8.0	13.7	16.2	15.3	18.4	21.6	30.8	75.3	238.5	16.8
	1982	21.2	22.0	8.5	15.6	16.4	15.2	18.3	22.2	34.8	77.0	247.4	17.6
<b>Chronic obstructive pulmonary diseases and allied conditions . . . . . 490-496</b>													
	1983	28.4	1.1	0.3	0.6	0.5	1.6	10.5	44.8	142.3	259.3	302.8	17.6
	1982	26.0	2.2	0.2	0.6	0.6	1.5	10.0	41.1	132.4	236.2	281.8	16.3
<b>Pneumonia and influenza . . . . . 480-487</b>													
	1983	22.9	21.0	0.8	0.6	1.3	2.5	5.5	16.2	47.7	197.0	857.0	11.2
	1982	21.3	20.3	0.7	0.9	1.6	2.2	7.2	16.8	49.6	186.4	730.1	11.1
<b>Diabetes mellitus . . . . . 250</b>													
	1983	15.2	-	0.1	0.2	1.5	4.0	9.1	24.8	64.6	124.8	195.0	9.8
	1982	14.4	0.8	0.1	0.3	1.3	3.1	9.1	25.1	56.1	124.8	194.7	9.2
<b>Suicide . . . . . E950-E959</b>													
	1983	12.4	...	0.4	11.7	16.2	15.1	16.9	17.2	17.3	25.0	22.0	11.7
	1982	12.2	...	0.3	12.6	15.6	16.6	16.0	16.1	16.9	19.9	17.6	11.6
<b>Chronic liver disease and cirrhosis . . . . . 571</b>													
	1983	11.9	0.5	0.0	0.0	3.4	10.4	25.0	36.1	38.9	33.9	18.4	10.4
	1982	11.8	1.1	0.1	0.2	3.5	10.8	24.2	36.8	38.9	31.2	14.3	10.4
<b>Atherosclerosis . . . . . 440</b>													
	1983	11.1	-	-	0.0	0.0	0.0	1.0	4.5	18.3	96.7	537.4	4.5
	1982	11.5	-	-	-	0.1	0.2	1.2	3.7	21.3	103.8	548.9	4.8
<b>Homicide and legal intervention. . . . . E960-E978</b>													
	1983	8.2	4.1	1.3	11.3	15.3	11.7	8.0	5.6	4.4	4.3	5.6	8.2
	1982	9.7	2.7	1.4	13.9	17.5	12.8	10.8	7.1	4.8	4.2	6.1	9.7
<b>Certain conditions originating in the perinatal period . . . . . 760-779</b>													
	1983	8.1	513.1	0.3	0.0	0.0	-	0.0	0.0	-	0.1	-	( <sup>3</sup> )
	1982	9.0	569.5	0.2	-	0.0	0.0	-	-	-	0.1	-	( <sup>3</sup> )
<b>Nephritis, nephrotic syndrome, and nephrosis . . . . . 580-589</b>													
	1983	7.9	6.3	0.1	0.3	0.6	1.0	3.1	10.0	24.5	71.5	179.0	4.5
	1982	7.7	6.3	0.1	0.2	0.8	1.2	4.0	9.1	24.9	66.5	185.3	4.5
<b>Septicemia . . . . . 038</b>													
	1983	5.7	10.1	0.3	0.2	0.2	1.0	2.9	7.4	17.1	48.5	124.3	3.4
	1982	4.9	7.4	0.2	0.2	0.5	0.7	2.4	7.0	16.4	39.5	104.3	3.0
<b>Congenital anomalies . . . . . 740-759</b>													
	1983	5.5	228.7	2.7	1.4	1.2	1.3	1.7	1.8	2.1	4.6	5.2	( <sup>3</sup> )
	1982	5.7	242.7	2.8	1.4	1.1	1.3	1.1	1.8	2.7	4.9	4.1	( <sup>3</sup> )

<sup>1</sup>Figures for age not stated included in "All ages" but not distributed among age groups.  
<sup>2</sup>For method of computation, see Technical notes.

<sup>3</sup>Because deaths from these causes occur primarily among infants, rates adjusted to the total population in 1940 are not shown, see table F.

Table 9. Deaths and death rates for 72 selected causes: United States, 1982 and 1983

[Based on a 10-percent sample of deaths. Rates per 100,000 population. Figures for 1982 have been revised; see Technical notes]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	Number		Rate	
	1983	1982	1983	1982
All causes	2,010,000	1,986,000	858.9	857.6
Shigellosis and amebiasis	004,006	30	0.0	0.0
Certain other intestinal infections	007-009	370	0.2	0.1
Tuberculosis	010-018	1,910	0.8	0.9
Tuberculosis of respiratory system	010-012	1,510	0.6	0.7
Other tuberculosis	013-018	400	0.2	0.1
Whooping cough	033	-	-	-
Streptococcal sore throat, scarlatina, and erysipelas	034-035	10	0.0	0.0
Meningococcal infection	036	260	0.1	0.2
Septicemia	038	13,350	5.7	4.9
Acute poliomyelitis	045	-	-	0.0
Measles	055	-	-	-
Viral hepatitis	070	840	0.4	0.4
Syphilis	090-097	100	0.0	0.0
All other infectious and parasitic diseases	001-003, 005,020-032,037,039-041,046-054,056-066,071-088,098-139	4,890	2.1	1.9
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	140-208	440,620	188.3	188.3
Malignant neoplasms of lip, oral cavity, and pharynx	140-149	7,890	3.4	3.6
Malignant neoplasms of digestive organs and peritoneum	150-159	112,910	48.3	48.5
Malignant neoplasms of respiratory and intrathoracic organs	160-165	120,660	51.6	50.3
Malignant neoplasm of breast	174-175	38,540	16.5	16.2
Malignant neoplasms of genital organs	179-187	47,880	20.5	20.6
Malignant neoplasms of urinary organs	188-189	18,310	7.8	8.1
Malignant neoplasms of all other and unspecified sites	170-173,190-199	54,550	23.3	23.7
Leukemia	204-208	16,920	7.2	7.4
Other malignant neoplasms of lymphatic and hematopoietic tissues	200-203	22,950	9.8	9.8
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature	210-239	6,450	2.8	2.9
Diabetes mellitus	250	35,530	15.2	14.4
Nutritional deficiencies	260-269	2,420	1.0	1.1
Anemias	280-285	3,640	1.6	1.4
Meningitis	320-322	1,320	0.6	0.5
Major cardiovascular diseases	390-448	978,290	418.1	420.9
Diseases of heart	390-398,402,404-429	766,420	327.6	328.3
Rheumatic fever and rheumatic heart disease	390-398	6,730	2.9	2.9
Hypertensive heart disease	402	21,240	9.1	8.8
Hypertensive heart and renal disease	404	2,920	1.2	1.4
Ischemic heart disease	410-414	547,140	233.8	239.8
Acute myocardial infarction	410	283,250	121.1	125.5
Other acute and subacute forms of ischemic heart disease	411	4,270	1.8	2.0
Angina pectoris	413	840	0.4	0.2
Old myocardial infarction and other forms of chronic ischemic heart disease	412,414	258,780	110.6	112.1
Other diseases of endocardium	424	8,100	3.5	3.4
All other forms of heart disease	415-423,425-429	180,280	77.0	71.9
Hypertension with or without renal disease	401,403	7,720	3.3	3.2
Cerebrovascular diseases	430-438	156,380	66.8	69.0
Intracerebral and other intracranial hemorrhage	431-432	19,380	8.3	8.7
Cerebral thrombosis and unspecified occlusion of cerebral arteries	434,0,434.9	26,180	11.2	12.4
Cerebral embolism	434.1	670	0.3	0.3
All other and late effects of cerebrovascular diseases	430,433,435-438	110,160	47.1	47.5
Atherosclerosis	440	25,940	11.1	11.5
Other diseases of arteries, arterioles, and capillaries	441-448	21,840	9.3	8.9
Acute bronchitis and bronchiolitis	466	530	0.2	0.2
Pneumonia and influenza	480-487	53,590	22.9	21.3
Pneumonia	480-486	52,220	22.3	20.9
Influenza	487	1,370	0.6	0.3
Chronic obstructive pulmonary diseases and allied conditions	490-496	66,340	28.4	26.0
Bronchitis, chronic and unspecified	490-491	3,480	1.5	1.5
Emphysema	492	13,250	5.7	5.5
Asthma	493	3,440	1.5	1.3
Other chronic obstructive pulmonary diseases and allied conditions	494-496	46,170	19.7	17.6
Ulcer of stomach and duodenum	531-533	6,340	2.7	3.0
Appendicitis	540-543	580	0.2	0.2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia	550-553,560	5,150	2.2	2.2
Chronic liver disease and cirrhosis	571	27,840	11.9	11.8

Table 9. Deaths and death rates for 72 selected causes: United States, 1982 and 1983—Con.

[Based on a 10-percent sample of deaths. Rates per 100,000 population. Figures for 1982 have been revised; see Technical notes]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	Number		Rate		
	1983	1982	1983	1982	
Cholelithiasis and other diseases of gallbladder . . . . .	574-575	3,170	3,120	1.4	1.3
Nephritis, nephrotic syndrome, and nephrosis . . . . .	580-589	18,440	17,920	7.9	7.7
Acute glomerulonephritis and nephrotic syndrome . . . . .	580-581	360	300	0.2	0.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified . . . . .	582-583,587	1,840	1,680	0.8	0.7
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause . . . . .	584-586,588-589	16,240	15,940	6.9	6.9
Infections of kidney . . . . .	590	1,890	2,200	0.8	1.0
Hyperplasia of prostate . . . . .	600	540	470	0.2	0.2
Complications of pregnancy, childbirth, and the puerperium . . . . .	630-676	290	330	0.1	0.1
Pregnancy with abortive outcome . . . . .	630-638	60	80	0.0	0.0
Other complications of pregnancy, childbirth, and the puerperium . . . . .	640-676	230	250	0.1	0.1
Congenital anomalies . . . . .	740-759	12,780	13,180	5.5	5.7
Certain conditions originating in the perinatal period . . . . .	760-779	18,970	20,890	8.1	9.0
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome . . . . .	767-769	5,300	6,080	2.3	2.6
Other conditions originating in the perinatal period . . . . .	760-766,770-779	13,670	14,820	5.8	6.4
Symptoms, signs, and ill-defined conditions . . . . .	780-799	29,780	13,190	12.7	13.0
All other diseases . . . . .	Residual	130,440	121,570	55.7	52.5
Accidents and adverse effects . . . . .	E800-E949	91,290	95,880	39.0	41.4
Motor vehicle accidents . . . . .	E810-E825	43,700	46,750	18.7	20.2
All other accidents and adverse effects . . . . .	E800-E807,E826-E949	47,580	49,130	20.3	21.2
Suicide . . . . .	E950-E959	29,080	28,140	12.4	12.2
Homicide and legal intervention . . . . .	E960-E978	19,300	22,360	8.2	9.7
All other external causes . . . . .	E980-E999	3,340	3,150	1.4	1.4

### Symbols

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

## Technical notes

### Nature and sources of data

All data for 1982 and 1983 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 exclude data for births and deaths to nonresidents of the United States. Data for nonresidents are included in provisional data for 1982 and 1983.

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 the month or year when the events occurred. Delay in the receipt of certificates in a registration office may result in a low count for a given month, followed by a high count for the month(s) in which the delayed records are received. While this occasionally may result in large fluctuations in State counts for a given event, the effect on provisional monthly totals for the United States is usually small. Final figures are counts of events occurring in the specified year. All mortality figures exclude fetal deaths.

### Natality

Monthly estimates of births 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.

### Marriages

Monthly estimates of 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. For most States, data represent marriages performed. For some counties of Arizona provisional data are marriage licenses issued; for New Mexico and New York City all data are marriage licenses issued.

Beginning with 1978, nonlicensed (confidential) marriages registered in California are included in marriage totals and rates. Further discussion of nonlicensed marriages is given in the final marriage statistics report for 1978.<sup>1</sup>

### Divorces

Provisional divorce data, including reported annulments, are shown for the areas reporting divorce data monthly. Di-

vorce figures for the United States for 1982 and 1983 are estimated from a summary of monthly reports from 48 States and the District of Columbia. These areas contained over 95 percent of the population of the United States as enumerated in 1980.

### Mortality

#### Current mortality sample

Deaths and death rates for 1982 and 1983 by cause, age, race, and sex were estimated from the Current Mortality Sample. The Current Mortality Sample is a 10-percent systematic sample of death certificates received each month 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 proportions of death certificates received in the samples for each month of 1983 representing deaths occurring in the current month and those occurring in other months are shown in table I.

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 79 percent of the total as opposed to 72 percent of the entire sample. As for the year of occurrence, 97.0 percent of the 201,319 transcripts in the 1983 sample were for deaths occurring in 1983 and 3.0 percent for deaths occurring in 1982.

*Correction for bias and adjustment to provisional counts—*The Current Mortality Sample is selected at a specified time each month. Complete information concerning the underlying

Table I. Percent of death certificates received in the sample each month by month of occurrence: United States, 1983

Month	Deaths occurring in—		
	Same month	Previous month	All other months
January . . . . .	75.5	17.6	6.8
February . . . . .	75.0	15.3	9.7
March . . . . .	73.2	15.1	11.7
April . . . . .	65.6	19.4	15.0
May . . . . .	72.5	20.0	7.5
June . . . . .	70.7	21.7	7.6
July . . . . .	70.8	19.1	10.1
August . . . . .	71.0	21.2	7.8
September . . . . .	71.2	20.6	8.2
October . . . . .	73.5	19.4	7.2
November . . . . .	73.5	20.1	6.3
December . . . . .	72.2	19.7	8.1

<sup>1</sup>National Center for Health Statistics: Advance report, final marriage statistics, 1978. *Monthly Vital Statistics Report*. Vol. 29, No. 6, Supp. 1. DHHS Pub. No. (PHS) 80-1120. Public Health Service. Hyattsville, Md., Sept. 12, 1980.

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.

The sample data in this report are corrected using rules and methodology described in the Annual Summary for 1978.<sup>2</sup> The data for 1983 are adjusted for bias based on the experience of three years—1979, 1980, and 1981. If for a given cause 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 this cause are corrected by using an adjusted weight. For all causes without an adjusted weight, a weight of 10 is used. The adjusted weights that were applied to the 1983 sample for all ages and for ages under 1 year are shown in table II.

The 1982 cause-of-death data in this report are revised by using the same adjusted weights; data for 1982 by age, race, and sex for all causes of death combined were not revised.

**Sampling variability**—Because the estimates of deaths and death rates presented in this report (with the exception 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 two out of three 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-race-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-race-sex group

$x$  = the number of deaths in the sample from the given cause

$D$  = 201,319, the total number of death certificates in the sample for 1983

$Y$  = the final number of deaths from the given cause in the 3 years—1979, 1980, and 1981 combined

$M$  = 5,891,222, the final count of all deaths occurring in the 3 years—1979, 1980, and 1981 combined

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

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

<sup>2</sup>National Center for Health Statistics: Annual summary for the United States, 1978. *Monthly Vital Statistics Report*. Vol. 27, No. 13, pp. 13–14. DHHS Pub. No. (PHS) 79-1120. Public Health Service. Hyattsville, Md., Aug. 13, 1979.

Table II. Causes of death corrected for bias and adjusted weights for all ages and for under 1 year: 1982 and 1983

Cause of death <sup>1</sup> (Ninth Revision, International Classification of Diseases, 1975) and age	Adjusted weight
All ages	
All other infectious and parasitic diseases . . . . . 001–003,005,020–032,037,039–041,046–054,056–066,071–088,098–139	10.71
Malignant neoplasms of all other and unspecified sites . . . . . 170–173,190–199	9.68
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature . . . . . 210–239	9.18
Hypertensive heart and renal disease . . . . . 404	11.24
Other acute and subacute forms of ischemic heart disease . . . . . 411	10.66
Angina pectoris . . . . . 413	13.61
Other diseases of endocardium . . . . . 424	10.47
Other diseases of arteries, arterioles, and capillaries . . . . . 441–448	10.35
Cholelithiasis and other disorders of gallbladder . . . . . 574–575	10.71
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause . . . . . 584–586,588–589	9.70
Symptoms, signs, and ill-defined conditions . . . . . 780–799	7.71
All other diseases . . . . . Residual	10.17
Motor vehicle accidents . . . . . E810–E825	10.25
Suicide . . . . . E950–E959	10.39
All other external causes . . . . . E980–E999	11.43
Under 1 year	
Symptoms, signs, and ill-defined conditions . . . . . 780–799	9.56

<sup>1</sup>Causes of death eligible to have an adjusted weight were those that had 50 or more deaths based on final data for 1981.

Table III. Percent errors for estimated numbers of deaths from the Current Mortality Sample

Estimated number of deaths	Percent error	Estimated number of deaths	Percent error
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

where  $V$  = the percent error of the estimate  $X$

$X$  = the estimated number of deaths from a given cause or age-race-sex group

$N$  = 2,010,000, the provisional number of registered deaths in 1983

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

**Cause-of-death classification**

The mortality statistics presented here are compiled in accordance with 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.

Causes of death for 1979-83 were classified according to the *Ninth Revision*.<sup>3</sup> For earlier years causes of death were classified according to the revision then in use. Changes in classification of causes of death due to these revisions may result in discontinuities in cause-of-death trends. Consequently, cause-of-death comparisons between revisions require consideration of the comparability ratios and, where available, estimates of their standard errors. For information about comparability ratios between the Eighth and Ninth Revisions, see *Monthly Vital Statistics Report*, Volume 28, No. 11 Supplement.<sup>4</sup>

For information about comparability ratios between the Seventh and Eighth Revisions, see *Vital and Health Statistics*,

Series 2, No. 66.<sup>5</sup> For a list of other reports on the effects of revisions of the International Lists on mortality statistics tabulated by cause, see *Vital Statistics—Special Reports*, Volume 51, No. 4.<sup>6</sup>

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

Causes of death for data presented in this publication were coded by procedures outlined in issues of Part 2a of NCHS *Instruction Manual*, Vital Statistics, Instructions for Classifying the Underlying Cause of Death.

**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. In addition, category titles that begin with the words “other” and “all other” are not ranked. The remaining category titles are ranked according to the number of deaths for 1983 to determine the leading causes of death. When one of the titles that represents a subtotal is ranked (for example, Tuberculosis), its component parts (in this case, Tuberculosis of respiratory system and Other tuberculosis) are not ranked.

**Age-adjusted rates**

The age-adjusted rates presented in this report were computed by the direct method, that is, by applying the age-specific death rates for a given cause of death to the standard population distributed by age. The total population as enumerated in 1940 was selected as the standard. The age-adjusted rates were based on 10-year age groups. Rates by specified cause for 1982 and 1983 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 with crude rates.

**Seasonal adjustment**

The method of seasonal adjustment used for birth, fertility, and marriage rates is described in *The X-11 Variant of the*

<sup>3</sup>World Health Organization: *Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death*, based on the recommendations of the Ninth Revision Conference, 1975. Geneva. World Health Organization, 1977.

<sup>4</sup>National Center for Health Statistics, A. J. Klebba and J. H. Scott: Estimates of selected comparability ratios based on dual coding of 1976 death certificates by the Eighth and Ninth Revisions of the International Classification of Diseases. *Monthly Vital Statistics Report*. Vol. 28, No. 11 Supp. DHEW Pub. No. (PHS) 80-1120. Public Health Service. Hyattsville, Md., Feb. 29, 1980.

<sup>5</sup>National Center for Health Statistics, A. J. Klebba and A. B. Dolman: Comparability of mortality statistics for the Seventh and Eighth Revisions of the International Classification of Diseases, United States. *Vital and Health Statistics*. Series 2, No. 66. DHEW Pub. No. (HRA) 76-1340. Health Resources Administration. Washington. U.S. Government Printing Office, Oct. 1975.

<sup>6</sup>National Center for Health Statistics: Comparability of mortality statistics for the Sixth and Seventh Revisions, United States, 1958. *Vital Statistics—Special Reports*. Vol. 51, No. 4. Public Health Service. Washington. U.S. Government Printing Office, Mar. 1965.

*Census Method II Seasonal Adjustment Program.*<sup>7</sup> Marriage rates were also adjusted for monthly variation in the specified days of the week (Sundays, Mondays, and so forth) because marriages are more likely on some days than on others.

### Population bases for computing rates

The populations used for computing rates shown in this report (furnished by the U.S. Bureau of the Census) represent the population residing in the specified area. Populations for 1940, 1950, 1960, 1970, and 1980 were enumerated as of April 1; all other populations were estimated as of July 1.

<sup>7</sup>U.S. Bureau of the Census: *The X-11 Variant of the Census Method II Seasonal Adjustment Program*. Technical Paper No. 15 (1967 revision). Washington. U.S. Government Printing Office, Feb. 1967.

The populations for 1983 were published by the U.S. Bureau of the Census in the *Current Population Reports*, Series P-25.<sup>8,9</sup>

Infant and maternal mortality rates are based on live births. For an explanation of the method used in computing infant mortality rates adjusted for changing numbers of births, see *Vital Statistics—Special Reports*, Volume 19, No. 21.<sup>10</sup>

<sup>8</sup>U.S. Bureau of the Census: *Estimates of the population of the United States, by age, sex, and race: 1980 to 1983*. *Current Population Reports*. Series P-25, No. 949. Washington. U.S. Government Printing Office, May 1984.

<sup>9</sup>U.S. Bureau of the Census: *Estimates of the population of States, by age: July 1, 1981, to 1983*. *Current Population Reports*. Series P-25, No. 944. Washington. U.S. Government Printing Office, Jan. 1984.

<sup>10</sup>U.S. Bureau of the Census: *Effect of changing birth rates upon infant mortality rates*. *Vital Statistics—Special Reports*. Vol. 19, No. 21. U.S. Department of Commerce. Washington. U.S. Government Printing Office, Nov. 10, 1944.

### Suggested citation

National Center for Health Statistics: Annual summary of births, deaths, marriages, and divorces: United States, 1983. *Monthly Vital Statistics Report*. Vol. 32, No. 13. DHHS Pub. No. (PHS) 84-1120. Public Health Service. Hyattsville, Md. Sept. 21, 1984.

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