

**Table 30 (page 1 of 3). Death rates for diseases of heart, by sex, race, Hispanic origin, and age: United States, selected years 1950–2007**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990 <sup>2</sup>	2000 <sup>3</sup>	2006 <sup>3</sup>	2007 <sup>3</sup>
All persons								
All ages, age-adjusted <sup>4</sup>	588.8	559.0	492.7	412.1	321.8	257.6	200.2	190.9
All ages, crude	356.8	369.0	362.0	336.0	289.5	252.6	211.0	204.3
Deaths per 100,000 resident population								
Under 1 year	4.1	6.6	13.1	22.8	20.1	13.0	8.4	10.0
1–4 years	1.6	1.3	1.7	2.6	1.9	1.2	1.0	1.1
5–14 years	3.9	1.3	0.8	0.9	0.9	0.7	0.6	0.6
15–24 years	8.2	4.0	3.0	2.9	2.5	2.6	2.5	2.6
25–34 years	20.9	15.6	11.4	8.3	7.6	7.4	8.2	7.9
35–44 years	88.3	74.6	66.7	44.6	31.4	29.2	28.3	27.4
45–54 years	309.2	271.8	238.4	180.2	120.5	94.2	88.0	85.3
55–64 years	804.3	737.9	652.3	494.1	367.3	261.2	207.3	200.3
65–74 years	1,857.2	1,740.5	1,558.2	1,218.6	894.3	665.6	490.3	462.9
75–84 years	4,311.0	4,089.4	3,683.8	2,993.1	2,295.7	1,780.3	1,383.1	1,315.0
85 years and over	9,152.5	9,317.8	7,891.3	7,777.1	6,739.9	5,926.1	4,480.8	4,267.7
Male								
All ages, age-adjusted <sup>4</sup>	699.0	687.6	634.0	538.9	412.4	320.0	248.5	237.7
All ages, crude	424.7	439.5	422.5	368.6	297.6	249.8	214.0	208.4
Under 1 year	4.7	7.8	15.1	25.5	21.9	13.3	8.8	10.9
1–4 years	1.7	1.4	1.9	2.8	1.9	1.4	1.1	1.0
5–14 years	3.5	1.4	0.9	1.0	0.9	0.8	0.7	0.6
15–24 years	8.3	4.2	3.7	3.7	3.1	3.2	3.3	3.2
25–34 years	24.4	20.1	15.2	11.4	10.3	9.6	11.2	10.5
35–44 years	120.4	112.7	103.2	68.7	48.1	41.4	39.5	38.6
45–54 years	441.2	420.4	376.4	282.6	183.0	140.2	128.9	124.6
55–64 years	1,100.5	1,066.9	987.2	746.8	537.3	371.7	296.8	288.8
65–74 years	2,310.2	2,291.3	2,170.3	1,728.0	1,250.0	898.3	660.5	624.9
75–84 years	4,825.8	4,742.4	4,534.8	3,834.3	2,968.2	2,248.1	1,743.5	1,656.5
85 years and over	9,661.4	9,788.9	8,426.2	8,752.7	7,418.4	6,430.0	4,819.9	4,621.8
Female								
All ages, age-adjusted <sup>4</sup>	486.6	447.0	381.6	320.8	257.0	210.9	162.2	154.0
All ages, crude	289.7	300.6	304.5	305.1	281.8	255.3	208.0	200.2
Under 1 year	3.4	5.4	10.9	20.0	18.3	12.5	7.9	9.0
1–4 years	1.6	1.1	1.6	2.5	1.9	1.0	0.9	1.1
5–14 years	4.3	1.2	0.8	0.9	0.8	0.5	0.6	0.6
15–24 years	8.2	3.7	2.3	2.1	1.8	2.1	1.8	1.9
25–34 years	17.6	11.3	7.7	5.3	5.0	5.2	5.1	5.3
35–44 years	57.0	38.2	32.2	21.4	15.1	17.2	17.0	16.2
45–54 years	177.8	127.5	109.9	84.5	61.0	49.8	48.5	47.2
55–64 years	507.0	429.4	351.6	272.1	215.7	159.3	124.1	117.9
65–74 years	1,434.9	1,261.3	1,082.7	828.6	616.8	474.0	346.3	325.4
75–84 years	3,873.0	3,582.7	3,120.8	2,497.0	1,893.8	1,475.1	1,136.7	1,079.7
85 years and over	8,798.1	9,016.8	7,591.8	7,350.5	6,478.1	5,720.9	4,322.1	4,099.3
White male <sup>5</sup>								
All ages, age-adjusted <sup>4</sup>	701.4	694.5	640.2	539.6	409.2	316.7	245.2	234.8
All ages, crude	434.2	454.6	438.3	384.0	312.7	265.8	226.9	221.1
45–54 years	424.1	413.2	365.7	269.8	170.6	130.7	119.2	116.2
55–64 years	1,082.6	1,056.0	979.3	730.6	516.7	351.8	278.9	271.4
65–74 years	2,309.4	2,297.9	2,177.2	1,729.7	1,230.5	877.8	636.6	603.0
75–84 years	4,908.0	4,839.9	4,617.6	3,883.2	2,983.4	2,247.0	1,743.3	1,659.3
85 years and over	9,952.3	10,135.8	8,818.0	8,958.0	7,558.7	6,560.8	4,947.1	4,756.1
Black or African American male <sup>5</sup>								
All ages, age-adjusted <sup>4</sup>	641.5	615.2	607.3	561.4	485.4	392.5	320.6	305.9
All ages, crude	348.4	330.6	330.3	301.0	256.8	211.1	191.8	186.5
45–54 years	624.1	514.0	512.8	433.4	328.9	247.2	229.8	216.3
55–64 years	1,434.0	1,236.8	1,135.4	987.2	824.0	631.2	526.4	516.3
65–74 years	2,140.1	2,281.4	2,237.8	1,847.2	1,632.9	1,268.8	1,044.6	989.4
75–84 years <sup>6</sup>	4,107.9	3,533.6	3,783.4	3,578.8	3,107.1	2,597.6	2,129.9	1,999.2
85 years and over	---	6,037.9	5,367.6	6,819.5	6,479.6	5,633.5	4,073.1	3,879.6

See footnotes at end of table.

**Table 30 (page 2 of 3). Death rates for diseases of heart, by sex, race, Hispanic origin, and age: United States, selected years 1950–2007**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990 <sup>2</sup>	2000 <sup>3</sup>	2006 <sup>3</sup>	2007 <sup>3</sup>
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native male<sup>5</sup></b>								
All ages, age-adjusted <sup>4</sup> . . . . .	---	---	---	320.5	264.1	222.2	170.2	159.8
All ages, crude . . . . .	---	---	---	130.6	108.0	90.1	95.8	94.1
45–54 years . . . . .	---	---	---	238.1	173.8	108.5	119.5	112.4
55–64 years . . . . .	---	---	---	496.3	411.0	285.0	256.2	235.8
65–74 years . . . . .	---	---	---	1,009.4	839.1	748.2	573.6	521.5
75–84 years . . . . .	---	---	---	2,062.2	1,788.8	1,655.7	1,176.6	1,129.5
85 years and over . . . . .	---	---	---	4,413.7	3,860.3	3,318.3	2,066.9	1,901.1
<b>Asian or Pacific Islander male<sup>5</sup></b>								
All ages, age-adjusted <sup>4</sup> . . . . .	---	---	---	286.9	220.7	185.5	136.3	126.0
All ages, crude . . . . .	---	---	---	119.8	88.7	90.6	82.4	79.6
45–54 years . . . . .	---	---	---	112.0	70.4	61.1	55.7	51.5
55–64 years . . . . .	---	---	---	306.7	226.1	182.6	145.4	131.5
65–74 years . . . . .	---	---	---	852.4	623.5	482.5	344.3	321.3
75–84 years . . . . .	---	---	---	2,010.9	1,642.2	1,354.7	963.3	906.3
85 years and over . . . . .	---	---	---	5,923.0	4,617.8	4,154.2	2,985.9	2,665.8
<b>Hispanic or Latino male<sup>5,7</sup></b>								
All ages, age-adjusted <sup>4</sup> . . . . .	---	---	---	---	270.0	238.2	175.2	165.0
All ages, crude . . . . .	---	---	---	---	91.0	74.7	67.7	66.6
45–54 years . . . . .	---	---	---	---	116.4	84.3	75.6	73.3
55–64 years . . . . .	---	---	---	---	363.0	264.8	202.3	201.9
65–74 years . . . . .	---	---	---	---	829.9	684.8	505.6	477.0
75–84 years . . . . .	---	---	---	---	1,971.3	1,733.2	1,308.4	1,233.4
85 years and over . . . . .	---	---	---	---	4,711.9	4,897.5	3,257.9	2,960.8
<b>White, not Hispanic or Latino male<sup>7</sup></b>								
All ages, age-adjusted <sup>4</sup> . . . . .	---	---	---	---	413.6	319.9	250.0	239.8
All ages, crude . . . . .	---	---	---	---	336.5	297.5	260.3	254.3
45–54 years . . . . .	---	---	---	---	172.8	134.3	124.5	121.6
55–64 years . . . . .	---	---	---	---	521.3	356.3	284.5	276.6
65–74 years . . . . .	---	---	---	---	1,243.4	885.1	644.3	610.9
75–84 years . . . . .	---	---	---	---	3,007.7	2,261.9	1,767.4	1,685.0
85 years and over . . . . .	---	---	---	---	7,663.4	6,606.6	5,032.8	4,858.5
<b>White female<sup>5</sup></b>								
All ages, age-adjusted <sup>4</sup> . . . . .	479.2	441.7	376.7	315.9	250.9	205.6	158.6	150.5
All ages, crude . . . . .	290.5	306.5	313.8	319.2	298.4	274.5	224.2	215.5
45–54 years . . . . .	142.4	103.4	91.4	71.2	50.2	40.9	40.7	40.0
55–64 years . . . . .	460.7	383.0	317.7	248.1	192.4	141.3	111.4	105.3
65–74 years . . . . .	1,401.6	1,229.8	1,044.0	796.7	583.6	445.2	325.8	304.4
75–84 years . . . . .	3,926.2	3,629.7	3,143.5	2,493.6	1,874.3	1,452.4	1,123.9	1,068.9
85 years and over . . . . .	9,086.9	9,280.8	7,839.9	7,501.6	6,563.4	5,801.4	4,402.6	4,169.6
<b>Black or African American female<sup>5</sup></b>								
All ages, age-adjusted <sup>4</sup> . . . . .	538.9	488.9	435.6	378.6	327.5	277.6	212.5	204.5
All ages, crude . . . . .	289.9	268.5	261.0	249.7	237.0	212.6	174.3	170.0
45–54 years . . . . .	526.8	360.7	290.9	202.4	155.3	125.0	111.0	107.0
55–64 years . . . . .	1,210.7	952.3	710.5	530.1	442.0	332.8	251.3	242.5
65–74 years . . . . .	1,659.4	1,680.5	1,553.2	1,210.3	1,017.5	815.2	578.3	563.5
75–84 years <sup>6</sup> . . . . .	3,499.3	2,926.9	2,964.1	2,707.2	2,250.9	1,913.1	1,461.7	1,384.0
85 years and over . . . . .	---	5,650.0	5,003.8	5,796.5	5,766.1	5,298.7	4,049.4	3,962.0

See footnotes at end of table.

**Table 30 (page 3 of 3). Death rates for diseases of heart, by sex, race, Hispanic origin, and age: United States, selected years 1950–2007**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990 <sup>2</sup>	2000 <sup>3</sup>	2006 <sup>3</sup>	2007 <sup>3</sup>
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native female<sup>5</sup></b>								
All ages, age-adjusted <sup>4</sup>	---	---	---	175.4	153.1	143.6	113.2	99.8
All ages, crude	---	---	---	80.3	77.5	71.9	75.1	69.6
45–54 years	---	---	---	65.2	62.0	40.2	41.8	36.7
55–64 years	---	---	---	193.5	197.0	149.4	125.2	108.7
65–74 years	---	---	---	577.2	492.8	391.8	322.3	288.5
75–84 years	---	---	---	1,364.3	1,050.3	1,044.1	937.9	779.2
85 years and over	---	---	---	2,893.3	2,868.7	3,146.3	1,883.1	1,697.9
<b>Asian or Pacific Islander female<sup>5</sup></b>								
All ages, age-adjusted <sup>4</sup>	---	---	---	132.3	149.2	115.7	87.3	82.0
All ages, crude	---	---	---	57.0	62.0	65.0	64.9	63.9
45–54 years	---	---	---	28.6	17.5	15.9	15.9	12.1
55–64 years	---	---	---	92.9	99.0	68.8	48.4	46.8
65–74 years	---	---	---	313.3	323.9	229.6	187.4	168.5
75–84 years	---	---	---	1,053.2	1,130.9	866.2	639.8	611.4
85 years and over	---	---	---	3,211.0	4,161.2	3,367.2	2,492.6	2,345.6
<b>Hispanic or Latina female<sup>5,7</sup></b>								
All ages, age-adjusted <sup>4</sup>	---	---	---	---	177.2	163.7	118.9	111.8
All ages, crude	---	---	---	---	79.4	71.5	62.6	60.8
45–54 years	---	---	---	---	43.5	28.2	27.3	23.4
55–64 years	---	---	---	---	153.2	111.2	86.9	81.4
65–74 years	---	---	---	---	460.4	366.3	273.0	249.7
75–84 years	---	---	---	---	1,259.7	1,169.4	894.5	856.6
85 years and over	---	---	---	---	4,440.3	4,605.8	3,078.3	2,888.2
<b>White, not Hispanic or Latina female<sup>7</sup></b>								
All ages, age-adjusted <sup>4</sup>	---	---	---	---	252.6	206.8	160.9	153.0
All ages, crude	---	---	---	---	320.0	304.9	254.7	245.5
45–54 years	---	---	---	---	50.2	41.9	42.2	42.1
55–64 years	---	---	---	---	193.6	142.9	113.2	107.1
65–74 years	---	---	---	---	584.7	448.5	329.1	308.1
75–84 years	---	---	---	---	1,890.2	1,458.9	1,135.8	1,081.0
85 years and over	---	---	---	---	6,615.2	5,822.7	4,460.8	4,230.8

--- Data not available.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia (D.C.).

<sup>2</sup>Underlying cause of death was coded according to the 6th Revision of the *International Classification of Diseases* (ICD) in 1950, 7th Revision in 1960, 8th Revision in 1970, and 9th Revision in 1980–1998. See Appendix II, Cause of death; Tables IV and V.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death, Table V; Comparability ratio, Table VI.

<sup>4</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>5</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>6</sup>In 1950, rate is for the age group 75 years and over.

<sup>7</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. For the period 1980–1998, diseases of heart was coded using ICD–9 codes that are most nearly comparable with diseases of heart codes in the 113 cause list for ICD–10. See Appendix II, Cause of death; Table V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. Starting with 2003 data, some states allowed the reporting of more than one race on the death certificate. The multiple-race data for these states were bridged to the single-race categories of the 1977 Office of Management and Budget standards for comparability with other states. See Appendix II, Race. Data for additional years are available. See Appendix III.

SOURCE: CDC/NCHS, National Vital Statistics System; numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from: [http://www.cdc.gov/nchs/nvss/mortality\\_tables.htm](http://www.cdc.gov/nchs/nvss/mortality_tables.htm); Xu JQ, Kochanek KD, Murphy SL, Tejada-Vera B. Deaths: Final data for 2007. National vital statistics reports; vol 58 no 19. Hyattsville, MD: NCHS; 2010. Available from: [http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58\\_19.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_19.pdf).