

Table 35 (page 1 of 2). Death rates for human immunodeficiency virus (HIV) disease, by sex, race, Hispanic origin, and age: United States, selected years 1987–2007

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i> ¹	1987 ²	1990 ²	1995 ²	1996	1997	1998	1999 ³	2000 ³	2005 ³	2006 ³	2007 ³
All persons											
All ages, age-adjusted ⁴	5.6	10.2	16.2	11.5	6.0	4.9	5.3	5.2	4.2	4.0	3.7
All ages, crude	5.6	10.1	16.2	11.6	6.1	4.9	5.3	5.1	4.2	4.0	3.7
Deaths per 100,000 resident population											
Under 1 year	2.3	2.7	1.5	1.1	*	*	*	*	*	*	*
1–4 years	0.7	0.8	1.3	0.9	0.3	0.2	0.2	*	*	*	*
5–14 years	0.1	0.2	0.5	0.5	0.3	0.1	0.2	0.1	*	*	*
15–24 years	1.3	1.5	1.7	1.1	0.7	0.5	0.5	0.5	0.4	0.5	0.4
25–34 years	11.7	19.7	28.3	19.2	9.7	7.1	6.8	6.1	3.3	2.9	2.7
35–44 years	14.0	27.4	44.2	31.3	16.0	12.8	13.8	13.1	9.9	9.2	8.3
45–54 years	8.0	15.2	26.0	19.1	10.3	8.9	10.7	11.0	10.6	10.1	9.5
55–64 years	3.5	6.2	10.9	8.3	4.8	4.3	4.8	5.1	5.3	5.5	5.3
65–74 years	1.3	2.0	3.6	2.7	1.8	1.6	2.2	2.2	2.3	2.5	2.3
75–84 years	0.8	0.7	0.7	0.8	0.6	0.5	0.6	0.7	0.8	0.8	0.8
85 years and over	*	*	*	*	*	*	*	*	*	*	*
Male											
All ages, age-adjusted ⁴	10.4	18.5	27.3	19.0	9.6	7.6	8.2	7.9	6.2	5.9	5.4
All ages, crude	10.2	18.5	27.6	19.2	9.7	7.6	8.2	7.9	6.3	5.9	5.4
Under 1 year	2.2	2.4	1.7	1.1	*	*	*	*	*	*	*
1–4 years	0.7	0.8	1.2	0.9	0.3	*	*	*	*	*	*
5–14 years	0.2	0.3	0.5	0.5	0.3	0.1	0.2	0.1	*	*	*
15–24 years	2.2	2.2	2.0	1.3	0.8	0.5	0.5	0.5	0.4	0.6	0.4
25–34 years	20.7	34.5	45.5	30.2	14.4	10.0	9.5	8.0	4.0	3.5	3.2
35–44 years	26.3	50.2	75.5	51.7	25.4	20.0	21.0	19.8	14.3	12.9	11.6
45–54 years	15.5	29.1	46.2	33.1	17.1	14.8	17.5	17.8	16.4	15.3	14.0
55–64 years	6.8	12.0	19.7	14.7	8.3	7.2	8.3	8.7	8.8	8.9	8.5
65–74 years	2.4	3.7	6.4	5.0	3.4	2.9	3.8	3.8	4.1	4.2	4.2
75–84 years	1.2	1.1	1.3	1.5	1.0	0.9	1.0	1.3	1.4	1.6	1.6
85 years and over	*	*	*	*	*	*	*	*	*	*	*
Female											
All ages, age-adjusted ⁴	1.1	2.2	5.3	4.2	2.6	2.2	2.5	2.5	2.3	2.2	2.1
All ages, crude	1.1	2.2	5.3	4.3	2.6	2.2	2.5	2.5	2.2	2.2	2.1
Under 1 year	2.5	3.0	1.2	*	*	*	*	*	*	*	*
1–4 years	0.7	0.8	1.5	1.0	0.4	*	*	*	*	*	*
5–14 years	*	0.2	0.5	0.4	0.2	0.2	0.2	0.1	*	*	*
15–24 years	0.3	0.7	1.4	0.9	0.7	0.5	0.5	0.4	0.3	0.4	0.3
25–34 years	2.8	4.9	10.9	8.2	4.9	4.2	4.1	4.2	2.6	2.3	2.2
35–44 years	2.1	5.2	13.3	11.2	6.7	5.7	6.7	6.5	5.6	5.4	4.9
45–54 years	0.8	1.9	6.6	5.6	3.7	3.1	4.1	4.4	5.1	5.1	5.1
55–64 years	0.5	1.1	2.8	2.5	1.6	1.6	1.6	1.8	2.0	2.3	2.2
65–74 years	0.5	0.8	1.4	0.8	0.5	0.6	0.8	0.8	0.9	1.1	0.8
75–84 years	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.3
85 years and over	*	*	*	*	*	*	*	*	*	*	*
All ages, age-adjusted ⁴											
White male	8.7	15.7	20.4	13.1	5.9	4.5	4.9	4.6	3.6	3.4	3.1
Black or African American male	26.2	46.3	89.0	70.3	40.9	33.2	36.1	35.1	28.2	26.3	24.5
American Indian or Alaska Native male	*	3.3	10.5	6.4	3.3	3.5	4.2	3.5	4.0	3.3	3.6
Asian or Pacific Islander male	2.5	4.3	6.0	4.4	1.6	1.3	1.4	1.2	1.0	1.1	0.8
Hispanic or Latino male ⁵	18.8	28.8	40.8	28.0	14.0	10.2	10.9	10.6	7.5	7.0	6.3
White, not Hispanic or Latino male ⁵	10.7	14.1	17.9	11.2	4.8	3.7	4.0	3.8	3.0	2.8	2.5
White female	0.6	1.1	2.5	1.9	1.0	0.8	1.0	1.0	0.8	0.7	0.7
Black or African American female	4.6	10.1	24.4	20.8	13.7	12.0	13.1	13.2	12.0	12.2	11.3
American Indian or Alaska Native female	*	*	2.5	1.4	1.0	0.6	1.0	1.0	1.5	1.5	1.7
Asian or Pacific Islander female	*	*	0.6	0.5	0.2	0.3	0.2	0.2	*	*	*
Hispanic or Latina female ⁵	2.1	3.8	8.8	6.3	3.3	2.8	3.0	2.9	1.9	1.9	1.8
White, not Hispanic or Latina female ⁵	0.5	0.7	1.7	1.3	0.7	0.5	0.7	0.7	0.6	0.6	0.5

See footnotes at end of table.

Table 35 (page 2 of 2). Death rates for human immunodeficiency virus (HIV) disease, by sex, race, Hispanic origin, and age: United States, selected years 1987–2007

[Data are based on death certificates]

Sex, race, Hispanic origin, and age ¹	1987 ²	1990 ²	1995 ²	1996	1997	1998	1999 ³	2000 ³	2005 ³	2006 ³	2007 ³
Age 25–44 years											
Deaths per 100,000 resident population											
All persons	12.7	23.2	36.3	25.4	12.9	10.1	10.5	9.8	6.8	6.2	5.6
White male	19.2	35.0	46.1	29.1	12.9	9.6	9.7	8.8	5.7	5.1	4.5
Black or African American male	60.2	102.0	179.4	136.8	75.2	58.1	59.3	55.4	36.2	32.9	29.4
American Indian or Alaska Native male	*	7.7	28.5	16.6	9.5	7.5	9.1	5.5	6.1	5.4	5.1
Asian or Pacific Islander male	4.1	8.1	12.1	7.7	3.3	2.4	2.4	1.9	1.4	1.0	0.9
Hispanic or Latino male ⁵	36.8	59.3	73.9	48.0	23.3	16.6	16.5	14.3	8.3	7.6	6.5
White, not Hispanic or Latino male ⁵	23.3	31.6	41.2	25.6	10.9	8.1	8.2	7.4	4.9	4.3	3.7
White female	1.2	2.3	5.9	4.3	2.3	1.8	2.2	2.1	1.5	1.3	1.2
Black or African American female	11.6	23.6	53.6	45.7	28.6	25.5	26.6	26.7	20.7	19.9	18.6
American Indian or Alaska Native female	*	*	*	*	*	*	*	*	*	*	*
Asian or Pacific Islander female	*	*	1.2	*	*	*	*	*	*	*	*
Hispanic or Latina female ⁵	4.9	8.9	17.2	12.0	6.2	4.6	5.3	4.6	2.6	2.5	2.3
White, not Hispanic or Latina female ⁵	1.0	1.5	4.2	3.1	1.7	1.3	1.6	1.6	1.2	1.0	0.9
Age 45–64 years											
All persons	5.8	11.1	19.9	14.8	8.1	7.0	8.4	8.7	8.4	8.1	7.7
White male	9.9	18.6	26.0	17.3	7.9	6.6	7.8	8.1	7.3	7.2	6.4
Black or African American male	27.3	53.0	133.2	110.7	69.3	60.9	70.7	71.6	66.2	61.4	58.3
American Indian or Alaska Native male	*	*	*	*	*	*	*	*	8.9	6.4	7.6
Asian or Pacific Islander male	*	6.5	9.1	7.9	2.3	2.4	2.3	2.1	2.0	2.3	2.2
Hispanic or Latino male ⁵	25.8	37.9	67.1	49.7	25.1	18.3	21.2	23.3	18.0	16.6	14.9
White, not Hispanic or Latino male ⁵	12.6	16.9	22.4	14.2	6.3	5.4	6.4	6.5	6.0	5.9	5.2
White female	0.5	0.9	2.4	1.9	1.1	0.9	1.2	1.3	1.4	1.3	1.4
Black or African American female	2.6	7.5	27.0	24.3	17.5	15.4	18.6	19.6	22.0	23.4	22.1
American Indian or Alaska Native female	*	*	*	*	*	*	*	*	*	*	*
Asian or Pacific Islander female	*	*	*	*	*	*	*	*	*	*	*
Hispanic or Latina female ⁵	*	3.1	12.6	9.8	5.4	4.9	5.1	5.8	4.1	3.9	4.1
White, not Hispanic or Latina female ⁵	0.5	0.7	1.5	1.2	0.7	0.5	0.8	0.9	1.1	0.9	1.0

* Rates based on fewer than 20 deaths are considered unreliable and are not shown.

¹The 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.

²Categories for the coding and classification of human immunodeficiency virus (HIV) disease were introduced in the United States in 1987. For the period 1987–1998, underlying cause of death was coded according to the 9th Revision of the *International Classification of Diseases* (ICD). See Appendix II, Cause of death; Human immunodeficiency virus (HIV) disease; Tables IV and V.

³Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. Additional years of data available in spreadsheet version of this table. Available from: <http://www.cdc.gov/nchs/hus.htm>; See Appendix II, Cause of death, Table V; Comparability ratio, Table VI.

⁴Age-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.

⁵Prior 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 beyond were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. 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 annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1987–1996 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; 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.