

Table 39 (page 1 of 3). Death rates for malignant neoplasms of trachea, bronchus, and lung, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2001

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 ¹	1960 ¹	1970	1980	1990	1995	2000 ²	2001
Deaths per 100,000 resident population								
All persons								
All ages, age adjusted ³	15.0	24.1	37.1	49.9	59.3	58.4	56.1	55.3
All ages, crude	12.2	20.3	32.1	45.8	56.8	56.8	55.3	54.8
Under 25 years	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
25–34 years	0.8	1.0	0.9	0.6	0.7	0.6	0.5	0.4
35–44 years	4.5	6.8	11.0	9.2	6.8	6.0	6.1	6.2
45–54 years	20.4	29.6	43.4	54.1	46.8	37.5	31.6	30.7
55–64 years	48.7	75.3	109.1	138.2	160.6	141.6	122.4	117.7
65–74 years	59.7	108.1	164.5	233.3	288.4	295.4	284.2	279.7
75–84 years	55.8	91.5	163.2	240.5	333.3	358.9	370.8	371.4
85 years and over	42.3	65.6	101.7	176.0	242.5	279.9	302.1	302.7
Male								
All ages, age adjusted ³	24.6	43.6	67.5	85.2	91.1	84.2	76.7	75.2
All ages, crude	19.9	35.4	53.4	68.6	75.1	70.5	65.5	64.7
Under 25 years	0.0	0.0	0.1	0.1	0.0	0.1	*	*
25–34 years	1.1	1.4	1.3	0.8	0.9	0.7	0.5	0.4
35–44 years	7.1	10.5	16.1	11.9	8.5	7.0	6.9	6.7
45–54 years	35.0	50.6	67.5	76.0	59.7	46.3	38.5	37.4
55–64 years	83.8	139.3	189.7	213.6	222.9	185.3	154.0	147.1
65–74 years	98.7	204.3	320.8	403.9	430.4	414.3	377.9	370.0
75–84 years	82.6	167.1	330.8	488.8	572.9	553.8	532.2	529.5
85 years and over	62.5	107.7	194.0	368.1	513.2	540.3	521.2	512.4
Female								
All ages, age adjusted ³	5.8	7.5	13.1	24.4	37.1	40.4	41.3	41.0
All ages, crude	4.5	6.4	11.9	24.3	39.4	43.6	45.4	45.3
Under 25 years	0.1	0.0	0.0	*	*	*	*	*
25–34 years	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.4
35–44 years	1.9	3.2	6.1	6.5	5.2	5.0	5.3	5.7
45–54 years	5.8	9.2	21.0	33.7	34.5	29.1	25.0	24.3
55–64 years	13.6	15.4	36.8	72.0	105.0	101.9	93.3	90.5
65–74 years	23.3	24.4	43.1	102.7	177.6	200.0	206.9	204.9
75–84 years	32.9	32.8	52.4	94.1	190.1	237.2	265.6	267.5
85 years and over	28.2	38.8	50.0	91.9	138.1	179.6	212.8	215.0
White male ⁴								
All ages, age adjusted ³	25.1	43.6	67.1	83.8	89.0	82.6	75.7	74.2
All ages, crude	20.8	36.4	54.6	70.2	77.8	74.0	69.4	68.6
45–54 years	35.1	49.2	63.3	70.9	55.2	43.2	35.7	34.9
55–64 years	85.4	139.2	186.8	205.6	213.7	178.9	150.8	143.8
65–74 years	101.5	207.5	325.0	401.0	422.1	408.0	374.9	368.1
75–84 years	85.5	170.4	336.7	493.5	572.2	550.8	529.9	526.4
85 years and over	67.4	109.4	199.6	374.1	516.3	539.3	522.4	513.9
Black or African American male ⁴								
All ages, age adjusted ³	17.8	42.6	75.4	107.6	125.4	115.1	101.1	99.1
All ages, crude	12.1	28.1	47.7	66.6	73.7	65.6	58.3	57.2
45–54 years	34.4	68.4	115.4	133.8	114.9	85.2	70.7	66.2
55–64 years	68.3	146.8	234.3	321.1	358.6	288.5	223.5	215.2
65–74 years	53.8	168.3	300.5	472.3	585.4	559.5	488.8	476.4
75–84 years ⁵	36.2	107.3	271.6	472.9	645.4	667.1	642.5	659.8
85 years and over	---	82.8	137.0	311.3	499.5	583.0	562.8	549.2
American Indian or Alaska Native male ⁴								
All ages, age adjusted ³	---	---	---	31.7	47.5	53.6	42.9	42.1
All ages, crude	---	---	---	14.2	20.0	21.8	18.1	19.6
45–54 years	---	---	---	*	26.6	23.8	14.5	20.0
55–64 years	---	---	---	72.0	97.8	98.9	86.0	78.7
65–74 years	---	---	---	202.8	194.3	261.5	184.8	205.4
75–84 years	---	---	---	*	356.2	409.7	367.9	354.6
85 years and over	---	---	---	*	*	*	*	*

See footnotes at end of table.

Table 39 (page 2 of 3). Death rates for malignant neoplasms of trachea, bronchus, and lung, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2001

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 ¹	1960 ¹	1970	1980	1990	1995	2000 ²	2001
Deaths per 100,000 resident population								
Asian or Pacific Islander male⁴								
All ages, age adjusted ³	---	---	---	43.3	44.2	41.0	40.9	39.2
All ages, crude	---	---	---	22.1	20.7	20.7	22.7	22.5
45–54 years	---	---	---	33.3	18.8	18.6	17.2	16.7
55–64 years	---	---	---	94.4	74.4	64.4	61.4	62.4
65–74 years	---	---	---	174.3	215.8	184.0	183.2	161.7
75–84 years	---	---	---	301.3	307.5	296.6	323.2	311.5
85 years and over	---	---	---	*	421.3	439.0	378.0	402.3
Hispanic or Latino male^{4,6}								
All ages, age adjusted ³	---	---	---	---	44.1	42.2	39.0	36.8
All ages, crude	---	---	---	---	16.2	14.8	13.3	13.1
45–54 years	---	---	---	---	21.5	17.5	14.8	14.2
55–64 years	---	---	---	---	80.7	69.9	58.6	59.5
65–74 years	---	---	---	---	195.5	192.0	167.3	163.7
75–84 years	---	---	---	---	313.4	324.4	327.5	293.8
85 years and over	---	---	---	---	420.7	382.8	368.8	335.2
White, not Hispanic or Latino male⁶								
All ages, age adjusted ³	---	---	---	---	91.1	84.1	77.9	76.6
All ages, crude	---	---	---	---	84.7	81.5	78.9	78.4
45–54 years	---	---	---	---	57.8	44.9	37.7	37.0
55–64 years	---	---	---	---	221.0	184.8	157.7	150.3
65–74 years	---	---	---	---	431.4	416.0	387.3	381.1
75–84 years	---	---	---	---	580.4	554.8	537.7	536.5
85 years and over	---	---	---	---	520.9	542.7	527.3	520.0
White female⁴								
All ages, age adjusted ³	5.9	6.8	13.1	24.5	37.6	41.1	42.3	42.1
All ages, crude	4.7	5.9	12.3	25.6	42.4	47.5	49.9	49.8
45–54 years	5.7	9.0	20.9	33.0	34.6	29.3	24.8	24.3
55–64 years	13.7	15.1	37.2	71.9	105.7	104.0	96.1	93.3
65–74 years	23.7	24.8	42.9	104.6	181.3	203.8	213.2	211.9
75–84 years	34.0	32.7	52.6	95.2	194.6	243.3	272.7	274.0
85 years and over	29.3	39.1	50.6	92.4	138.3	181.0	215.9	218.1
Black or African American female⁴								
All ages, age adjusted ³	4.5	6.8	13.7	24.8	36.8	38.8	39.8	38.7
All ages, crude	2.8	4.3	9.4	18.3	28.1	29.5	30.8	30.2
45–54 years	7.5	11.3	23.9	43.4	41.3	34.5	32.9	29.5
55–64 years	12.9	17.9	33.5	79.9	117.9	106.9	95.3	92.0
65–74 years	14.0	18.1	46.1	88.0	164.3	196.2	194.1	186.7
75–84 years ⁵	*	31.3	49.1	79.4	148.1	183.2	224.3	231.3
85 years and over	---	34.2	44.8	85.8	134.9	158.9	185.9	181.0
American Indian or Alaska Native female⁴								
All ages, age adjusted ³	---	---	---	11.7	19.3	25.9	24.8	28.1
All ages, crude	---	---	---	6.0	11.2	13.8	14.0	16.2
45–54 years	---	---	---	*	22.9	*	12.1	15.1
55–64 years	---	---	---	*	53.7	45.7	52.6	56.9
65–74 years	---	---	---	*	78.5	134.6	151.5	140.2
75–84 years	---	---	---	*	111.8	209.5	136.3	201.4
85 years and over	---	---	---	*	*	*	*	*

See footnotes at end of table.

Table 39 (page 3 of 3). Death rates for malignant neoplasms of trachea, bronchus, and lung, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2001

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 ¹	1960 ¹	1970	1980	1990	1995	2000 ²	2001
Deaths per 100,000 resident population								
Asian or Pacific Islander female ⁴								
All ages, age adjusted ³	---	---	---	15.4	18.9	21.4	18.4	20.0
All ages, crude	---	---	---	8.4	10.5	13.0	12.6	14.1
45–54 years	---	---	---	13.5	11.3	11.6	9.9	11.4
55–64 years	---	---	---	24.6	38.3	37.6	30.4	29.4
65–74 years	---	---	---	62.4	71.6	84.2	77.0	83.6
75–84 years	---	---	---	117.7	137.9	153.5	135.0	147.5
85 years and over	---	---	---	*	172.9	235.5	175.3	212.1
Hispanic or Latino female ^{4,6}								
All ages, age adjusted ³	---	---	---	---	14.1	14.3	14.7	14.5
All ages, crude	---	---	---	---	7.2	7.1	7.2	7.4
45–54 years	---	---	---	---	8.7	7.1	7.1	7.3
55–64 years	---	---	---	---	25.1	25.5	22.2	24.6
65–74 years	---	---	---	---	66.8	59.2	66.0	64.6
75–84 years	---	---	---	---	94.3	111.0	112.3	107.0
85 years and over	---	---	---	---	118.2	128.3	137.5	135.0
White, not Hispanic or Latino female ⁶								
All ages, age adjusted ³	---	---	---	---	39.0	42.5	44.1	44.0
All ages, crude	---	---	---	---	46.2	52.3	56.4	56.6
45–54 years	---	---	---	---	36.6	31.0	26.4	26.0
55–64 years	---	---	---	---	111.3	109.4	102.2	99.2
65–74 years	---	---	---	---	186.4	210.4	222.9	222.3
75–84 years	---	---	---	---	199.1	247.2	279.2	281.3
85 years and over	---	---	---	---	139.0	181.6	218.0	220.6

0.0 Quantity more than zero but less than 0.05.

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

--- Data not available.

¹Includes deaths of persons who were not residents of the 50 States and the District of Columbia.

²Starting 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. See Appendix II, Comparability ratio and tables V and VI.

³Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment.

⁴The 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.

⁵In 1950 rate is for the age group 75 years and over.

⁶Prior to 1997, excludes data from States lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. Rates for 2001 were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. For the period 1980–98, causes were coded using ICD–9 codes that are most nearly comparable with the 113 cause list for ICD–10. See Appendix II, tables IV and 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. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940–1960. Washington: U.S. Government Printing Office. 1968; 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm; Arias E, Anderson RN, Kung HC, Murphy SL, Kochanek KD. Deaths: Final data for 2001. National vital statistics reports. Vol 52 no 3. Hyattsville, Maryland: National Center for Health Statistics. 2003.