

Table 18. Years of potential life lost before age 75 for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1980–2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#018>.

[Data are based on death certificates]

Sex, race, Hispanic origin, and cause of death ²	Crude		Age-adjusted ¹				
	2016 ³	1980 ²	1990 ²	2000 ³	2010 ³	2015 ³	2016 ³
All persons							
Years lost before age 75 per 100,000 population under age 75							
All causes	7,431.7	10,448.4	9,085.5	7,578.1	6,642.9	6,757.7	6,968.6
Diseases of heart	1,100.1	2,238.7	1,617.7	1,253.0	972.4	956.6	958.9
Ischemic heart disease	620.5	1,729.3	1,153.6	841.8	577.3	530.3	523.8
Cerebrovascular diseases	187.1	357.5	259.6	223.3	169.3	161.0	164.3
Malignant neoplasms	1,486.2	2,108.8	2,003.8	1,674.1	1,395.8	1,283.3	1,262.4
Trachea, bronchus, and lung	322.8	548.5	561.4	443.1	331.3	273.4	254.1
Colorectal	141.5	190.0	164.7	141.9	125.0	123.3	123.7
Prostate ⁴	62.2	84.9	96.8	63.6	52.2	46.7	48.3
Breast ⁵	269.3	463.2	451.6	332.6	262.4	241.9	241.0
Chronic lower respiratory diseases	219.6	169.1	187.4	188.1	172.4	175.9	175.8
Influenza and pneumonia	87.7	160.2	141.5	87.1	71.4	74.2	79.9
Chronic liver disease and cirrhosis	203.7	300.3	196.9	164.1	163.9	190.3	188.0
Diabetes mellitus ⁶	202.8	134.4	155.9	178.4	158.2	176.2	177.7
Alzheimer's disease ⁷	18.9	...	...	10.9	11.7	13.0	13.9
Human immunodeficiency virus (HIV) disease	46.9	...	383.8	174.6	76.6	50.4	47.0
Unintentional injuries	1,291.0	1,543.5	1,162.1	1,026.5	1,025.2	1,172.0	1,334.0
Motor vehicle-related injuries	418.3	912.9	716.4	574.3	400.6	404.9	431.2
Drug overdose	634.5	68.0	81.2	163.6	379.7	531.2	663.0
Nephritis, nephrotic syndrome and nephrosis ⁶	80.9	---	50.4	70.7	73.1	69.3	70.0
Suicide ⁸	427.0	392.0	393.1	334.5	385.2	428.6	438.9
Homicide ⁸	262.4	425.5	417.4	266.5	239.0	251.9	275.0
Male							
All causes	9,272.2	13,777.2	11,973.5	9,572.2	8,329.5	8,474.7	8,780.8
Diseases of heart	1,497.9	3,352.1	2,356.0	1,766.0	1,370.8	1,327.6	1,333.4
Ischemic heart disease	896.1	2,715.1	1,766.3	1,255.4	864.8	784.1	778.3
Cerebrovascular diseases	212.2	396.7	286.6	244.6	190.7	183.1	190.1
Malignant neoplasms	1,557.9	2,360.8	2,214.6	1,810.8	1,500.8	1,365.3	1,332.5
Trachea, bronchus, and lung	362.0	821.1	764.8	554.9	390.5	315.8	292.9
Colorectal	162.9	214.9	194.3	167.3	148.0	144.2	144.5
Prostate	62.2	84.9	96.8	63.6	52.2	46.7	48.3
Chronic lower respiratory diseases	223.4	235.1	224.8	206.0	182.8	184.5	184.1
Influenza and pneumonia	98.0	202.5	180.0	102.8	82.6	85.6	90.3
Chronic liver disease and cirrhosis	266.4	415.0	283.9	236.9	226.9	252.5	247.5
Diabetes mellitus ⁶	248.5	140.4	170.4	203.8	194.8	220.7	222.2
Alzheimer's disease ⁷	15.9	...	...	10.6	10.7	11.7	12.3
Human immunodeficiency virus (HIV) disease	67.8	...	686.2	258.9	109.5	72.7	67.7
Unintentional injuries	1,838.9	2,342.7	1,715.1	1,475.6	1,432.1	1,642.4	1,885.6
Motor vehicle-related injuries	601.1	1,359.7	1,018.4	796.4	569.2	579.7	612.1
Drug overdose	889.8	96.4	123.6	242.1	503.8	722.2	924.6
Nephritis, nephrotic syndrome and nephrosis ⁶	91.1	---	58.9	81.1	82.3	80.3	80.5
Suicide ⁸	659.8	605.6	634.8	539.1	607.0	654.2	672.7
Homicide ⁸	428.0	675.0	658.0	410.5	380.3	407.0	440.6

Table 18. Years of potential life lost before age 75 for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1980–2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#018>.

[Data are based on death certificates]

Sex, race, Hispanic origin, and cause of death ²	Crude		Age-adjusted ¹				
	2016 ³	1980 ²	1990 ²	2000 ³	2010 ³	2015 ³	2016 ³
Female							
Years lost before age 75 per 100,000 population under age 75							
All causes	5,605.3	7,350.3	6,333.1	5,644.6	4,994.0	5,070.7	5,184.1
Diseases of heart	705.4	1,246.0	948.5	774.6	593.6	603.4	602.3
Ischemic heart disease	347.1	852.1	600.3	457.6	305.2	289.7	282.6
Cerebrovascular diseases	162.2	324.0	235.9	203.9	149.1	140.1	139.6
Malignant neoplasms	1,415.1	1,896.8	1,826.6	1,555.3	1,301.0	1,209.8	1,200.3
Trachea, bronchus, and lung	283.9	310.4	382.2	342.1	276.9	234.4	218.4
Colorectal	120.4	168.7	138.7	118.7	103.4	103.6	104.0
Breast	269.3	463.2	451.6	332.6	262.4	241.9	241.0
Chronic lower respiratory diseases	215.8	114.0	155.9	172.3	162.8	167.9	168.0
Influenza and pneumonia	77.5	122.0	106.2	72.3	60.7	63.1	69.9
Chronic liver disease and cirrhosis	141.6	194.5	115.1	94.5	103.5	130.6	130.9
Diabetes mellitus ⁶	157.6	128.5	142.3	154.4	123.5	133.8	135.3
Alzheimer's disease ⁷	21.9	...	...	11.1	12.6	14.1	15.4
Human immunodeficiency virus (HIV) disease	26.1	...	87.8	92.0	44.4	28.7	26.7
Unintentional injuries	747.3	755.3	607.4	573.2	616.4	698.3	778.3
Motor vehicle-related injuries	236.8	470.4	411.6	348.5	230.5	228.1	248.3
Drug overdose	381.2	40.2	39.1	85.0	255.1	338.9	399.4
Nephritis, nephrotic syndrome and nephrosis ⁶	70.8	- - -	42.4	60.8	64.6	58.8	60.2
Suicide ⁸	196.0	184.2	153.3	129.1	163.7	201.7	203.3
Homicide ⁸	98.1	181.3	174.3	118.9	94.9	93.1	105.4
White ⁹							
All causes	7,293.1	9,554.1	8,159.5	6,949.5	6,342.8	6,514.8	6,715.1
Diseases of heart	1,062.5	2,100.8	1,490.3	1,149.4	900.9	889.0	888.0
Ischemic heart disease	631.1	1,682.7	1,113.4	805.3	563.7	519.2	510.2
Cerebrovascular diseases	168.6	300.7	213.1	187.1	142.7	137.9	142.3
Malignant neoplasms	1,529.7	2,035.9	1,929.3	1,627.8	1,375.8	1,274.9	1,251.1
Trachea, bronchus, and lung	343.8	529.9	544.2	436.3	332.8	277.8	257.6
Colorectal	140.6	186.8	157.8	134.1	118.4	119.3	118.8
Prostate ⁴	57.6	74.8	86.6	54.3	45.3	40.9	41.9
Breast ⁵	261.3	460.2	441.7	315.6	245.0	226.7	226.2
Chronic lower respiratory diseases	239.3	165.4	182.3	185.3	176.1	180.1	180.2
Influenza and pneumonia	84.6	130.8	116.9	77.7	66.7	70.2	74.8
Chronic liver disease and cirrhosis	226.1	257.3	175.8	162.7	173.5	206.3	204.1
Diabetes mellitus ⁶	187.4	115.7	133.7	155.6	139.0	157.5	157.9
Alzheimer's disease ⁷	21.4	...	...	11.4	12.4	13.6	14.7
Human immunodeficiency virus (HIV) disease	26.4	...	309.0	94.7	39.9	27.3	26.1
Unintentional injuries	1,365.8	1,520.4	1,139.7	1,031.8	1,098.6	1,258.9	1,430.6
Motor vehicle-related injuries	419.5	939.9	726.7	586.1	419.0	415.4	438.8
Drug overdose	711.2	64.9	74.4	167.2	435.4	610.6	755.5
Nephritis, nephrotic syndrome and nephrosis ⁶	67.9	- - -	37.0	52.5	57.4	55.2	55.9
Suicide ⁸	473.7	414.5	417.7	362.0	430.8	484.7	491.8
Homicide ⁸	139.0	271.7	234.9	156.6	138.7	135.9	149.3

Table 18. Years of potential life lost before age 75 for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1980–2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#018>.

[Data are based on death certificates]

Sex, race, Hispanic origin, and cause of death ²	Crude		Age-adjusted ¹				
	2016 ³	1980 ²	1990 ²	2000 ³	2010 ³	2015 ³	2016 ³
Black or African American ⁹							
Years lost before age 75 per 100,000 population under age 75							
All causes	10,109.1	17,873.4	16,593.0	12,897.1	9,832.5	9,702.3	10,030.4
Diseases of heart	1,646.9	3,619.9	2,891.8	2,275.2	1,691.1	1,637.9	1,661.4
Ischemic heart disease	751.7	2,305.1	1,676.1	1,300.1	818.8	740.4	748.9
Cerebrovascular diseases	314.1	883.2	656.4	507.0	358.1	322.9	316.8
Malignant neoplasms	1,603.0	2,946.1	2,894.8	2,294.7	1,796.7	1,598.8	1,575.3
Trachea, bronchus, and lung	310.8	776.0	811.3	593.0	405.6	318.3	294.8
Colorectal	175.2	232.3	241.8	222.4	188.6	172.9	175.5
Prostate ⁴	111.9	200.3	223.5	171.0	127.3	106.9	113.4
Breast ⁵	373.3	524.2	592.9	500.0	420.8	379.2	375.5
Chronic lower respiratory diseases	206.6	203.7	240.6	232.7	187.7	198.3	200.4
Influenza and pneumonia	124.7	384.9	330.8	161.2	109.8	114.5	124.4
Chronic liver disease and cirrhosis	118.9	644.0	371.8	185.6	120.2	122.5	118.9
Diabetes mellitus ⁶	330.3	305.3	361.5	383.4	316.4	329.6	333.5
Alzheimer's disease ⁷	13.2	...	...	8.3	10.0	13.0	13.2
Human immunodeficiency virus (HIV) disease	176.3	...	1,014.7	763.3	329.5	203.5	185.8
Unintentional injuries	1,268.9	1,751.5	1,392.7	1,152.8	896.7	1,082.6	1,276.8
Motor vehicle-related injuries	503.8	750.2	699.5	580.8	393.4	450.7	498.8
Drug overdose	460.1	99.4	144.3	196.6	218.9	342.1	478.8
Nephritis, nephrotic syndrome and nephrosis ⁶	174.1	---	160.9	216.9	193.2	174.6	175.4
Suicide ⁸	243.5	238.0	261.4	208.7	196.4	216.1	239.5
Homicide ⁸	1,012.1	1,580.8	1,612.9	941.6	821.2	907.4	981.0
American Indian or Alaska Native ⁹							
All causes	7,119.7	13,390.9	9,506.2	7,758.2	6,771.3	7,176.2	7,360.2
Diseases of heart	747.2	1,819.9	1,391.0	1,030.1	820.6	850.0	821.5
Ischemic heart disease	413.7	1,208.2	901.8	709.3	487.6	487.5	457.3
Cerebrovascular diseases	112.7	269.3	223.3	198.1	129.7	138.6	123.1
Malignant neoplasms	777.0	1,101.3	1,141.1	995.7	929.5	848.8	837.7
Trachea, bronchus, and lung	145.8	181.1	268.1	227.8	211.0	166.0	157.4
Colorectal	94.1	78.8	82.4	93.8	95.8	94.5	102.0
Prostate ⁴	23.7	66.7	42.0	44.5	36.8	32.6	27.7
Breast ⁵	114.2	205.5	213.4	174.1	145.0	129.7	124.0
Chronic lower respiratory diseases	137.9	89.3	129.0	151.8	154.5	158.2	147.6
Influenza and pneumonia	93.3	307.9	206.3	124.0	99.3	75.5	100.0
Chronic liver disease and cirrhosis	541.9	1,190.3	535.1	519.4	510.8	605.3	596.1
Diabetes mellitus ⁶	291.0	305.5	292.3	305.6	267.6	300.7	319.8
Alzheimer's disease ⁷	9.0	...	...	*	8.8	5.3	10.1
Human immunodeficiency virus (HIV) disease	22.5	...	70.1	68.4	46.1	36.2	25.2
Unintentional injuries	1,614.9	3,541.0	2,183.9	1,700.1	1,377.7	1,523.6	1,629.0
Motor vehicle-related injuries	669.8	2,102.4	1,301.5	1,032.2	570.6	638.0	656.2
Drug overdose	591.4	92.9	119.5	180.1	449.6	543.5	614.3
Nephritis, nephrotic syndrome and nephrosis ⁶	74.2	---	88.5	102.0	81.7	74.1	81.1
Suicide ⁸	564.1	515.0	495.9	403.1	437.9	497.7	546.1
Homicide ⁸	286.1	628.9	434.2	278.5	256.4	256.2	279.4

Table 18. Years of potential life lost before age 75 for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1980–2016

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[Data are based on death certificates]

Sex, race, Hispanic origin, and cause of death ²	Crude		Age-adjusted ¹				
	2016 ³	1980 ²	1990 ²	2000 ³	2010 ³	2015 ³	2016 ³
Asian or Pacific Islander ⁹							
Years lost before age 75 per 100,000 population under age 75							
All causes	3,214.8	5,378.4	4,705.2	3,811.1	3,061.2	3,049.7	3,176.8
Diseases of heart	417.3	952.8	702.2	567.9	400.1	400.6	400.9
Ischemic heart disease	250.3	697.7	486.6	381.1	250.6	240.1	238.6
Cerebrovascular diseases	143.5	266.9	233.5	199.4	148.3	129.5	139.0
Malignant neoplasms	868.1	1,218.6	1,166.4	1,033.8	874.7	809.9	833.5
Trachea, bronchus, and lung	138.5	238.2	204.7	185.8	148.2	130.5	130.4
Colorectal	88.8	115.9	105.1	91.6	87.6	80.8	85.3
Prostate ⁴	17.0	17.0	32.4	18.8	17.0	18.6	16.7
Breast ⁵	166.0	222.2	216.5	200.8	156.9	155.1	154.4
Chronic lower respiratory diseases	31.1	56.4	72.8	56.5	33.2	28.0	29.4
Influenza and pneumonia	41.8	79.3	74.0	48.6	38.4	36.1	40.9
Chronic liver disease and cirrhosis	46.9	85.6	72.4	44.8	41.7	44.0	45.1
Diabetes mellitus ⁶	84.2	83.1	74.0	77.0	69.5	75.4	79.9
Alzheimer's disease ⁷	3.7	...	...	3.5	3.2	4.3	3.5
Human immunodeficiency virus (HIV) disease	10.5	...	77.0	19.9	10.7	11.0	10.2
Unintentional injuries	369.1	742.7	636.6	425.7	303.0	328.6	361.9
Motor vehicle-related injuries	155.4	472.6	445.5	263.4	147.9	140.4	153.5
Drug overdose	112.6	*	17.6	25.9	46.5	84.3	106.7
Nephritis, nephrotic syndrome and nephrosis ⁶	31.5	---	26.7	33.6	38.1	32.3	30.3
Suicide ⁸	244.4	217.1	200.6	168.6	199.7	222.0	237.8
Homicide ⁸	71.4	201.1	205.8	113.1	68.8	60.6	70.0
Hispanic or Latino ^{9,10}							
All causes	4,651.5	---	7,963.3	6,037.6	4,795.1	4,750.4	4,926.0
Diseases of heart	478.0	---	1,082.0	821.3	598.1	578.0	574.1
Ischemic heart disease	266.2	---	756.6	564.6	366.6	339.9	330.7
Cerebrovascular diseases	123.8	---	238.0	207.8	150.4	141.1	147.2
Malignant neoplasms	764.5	---	1,232.2	1,098.2	951.2	900.6	900.3
Trachea, bronchus, and lung	69.7	---	193.7	152.1	115.0	96.9	88.4
Colorectal	74.7	---	100.2	101.4	94.0	92.4	90.5
Prostate ⁴	25.3	---	47.7	42.9	38.2	37.8	35.8
Breast ⁵	153.7	---	299.3	230.7	180.0	169.0	179.5
Chronic lower respiratory diseases	47.1	---	78.8	68.5	59.6	54.3	56.7
Influenza and pneumonia	55.7	---	130.1	76.0	57.5	54.3	62.7
Chronic liver disease and cirrhosis	183.7	---	329.1	252.1	201.6	219.2	216.9
Diabetes mellitus ⁶	134.8	---	177.8	215.6	158.5	163.1	164.8
Alzheimer's disease ⁷	6.9	...	...	6.9	8.4	10.2	10.0
Human immunodeficiency virus (HIV) disease	34.9	...	600.1	209.4	74.9	47.0	39.3
Unintentional injuries	931.5	---	1,190.6	920.1	708.7	808.7	914.7
Motor vehicle-related injuries	424.4	---	740.8	540.2	340.3	370.7	402.5
Drug overdose	332.0	---	121.9	145.9	191.2	269.1	339.2
Nephritis, nephrotic syndrome and nephrosis ⁶	50.7	---	54.4	62.0	67.7	60.1	61.5
Suicide ⁸	244.6	---	256.2	188.5	193.6	215.4	238.7
Homicide ⁸	250.8	---	720.8	335.1	238.0	213.5	234.5

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Sex, race, Hispanic origin, and cause of death ²	Crude		Age-adjusted ¹				
	2016 ³	1980 ²	1990 ²	2000 ³	2010 ³	2015 ³	2016 ³
White, not Hispanic or Latino ¹⁰							
Years lost before age 75 per 100,000 population under age 75							
All causes	7,879.6	---	8,022.5	6,960.5	6,545.3	6,799.9	7,021.0
Diseases of heart	1,202.9	---	1,504.0	1,175.1	943.2	939.2	939.9
Ischemic heart disease	719.3	---	1,127.2	824.7	590.8	546.4	539.1
Cerebrovascular diseases	177.0	---	210.1	183.0	139.1	134.1	138.3
Malignant neoplasms	1,712.7	---	1,974.1	1,668.4	1,421.5	1,320.0	1,292.6
Trachea, bronchus, and lung	415.0	---	566.8	460.3	359.1	304.0	282.9
Colorectal	156.1	---	162.1	136.2	121.2	123.0	123.2
Prostate ⁴	65.7	---	89.2	54.9	45.9	41.0	42.3
Breast ⁵	285.7	---	451.5	322.3	252.6	234.1	231.6
Chronic lower respiratory diseases	289.4	---	188.1	193.8	189.1	197.1	198.1
Influenza and pneumonia	90.9	---	112.3	76.4	67.8	72.3	76.5
Chronic liver disease and cirrhosis	231.6	---	162.4	150.9	166.9	200.7	198.2
Diabetes mellitus ⁶	197.4	---	131.2	150.2	136.7	156.2	156.6
Alzheimer's disease ⁷	25.1	...	...	11.7	12.7	13.8	15.2
Human immunodeficiency virus (HIV) disease	22.8	...	271.2	76.0	31.3	21.1	21.8
Unintentional injuries	1,459.0	---	1,114.7	1,041.4	1,183.0	1,365.1	1,559.9
Motor vehicle-related injuries	409.1	---	715.7	588.8	430.6	417.6	439.2
Drug overdose	802.5	---	68.3	169.4	494.0	700.8	869.1
Nephritis, nephrotic syndrome and nephrosis ⁶	71.2	---	34.5	51.1	55.3	53.7	54.3
Suicide ⁸	529.7	---	433.0	389.2	483.8	554.1	557.8
Homicide ⁸	104.1	---	162.0	113.2	103.4	106.2	115.9
Black, not Hispanic or Latino ¹⁰							
All causes	10,650.4	---	---	13,204.9	10,243.4	10,144.1	10,505.2
Diseases of heart	1,749.2	---	---	2,320.2	1,749.9	1,701.9	1,734.0
Ischemic heart disease	797.8	---	---	1,321.6	843.0	765.9	778.0
Cerebrovascular diseases	334.4	---	---	517.9	371.4	336.1	331.2
Malignant neoplasms	1,701.1	---	---	2,341.8	1,856.5	1,660.0	1,637.3
Trachea, bronchus, and lung	330.8	---	---	604.1	418.1	329.1	305.4
Colorectal	186.3	---	---	227.4	195.1	179.5	182.8
Prostate ⁴	119.2	---	---	174.1	130.8	109.7	117.0
Breast ⁵	396.4	---	---	511.4	437.1	394.2	392.9
Chronic lower respiratory diseases	218.3	---	---	237.9	194.1	206.0	208.0
Influenza and pneumonia	131.5	---	---	165.2	114.3	119.7	130.0
Chronic liver disease and cirrhosis	125.3	---	---	189.5	123.9	126.3	123.1
Diabetes mellitus ⁶	350.8	---	---	391.6	327.8	342.8	347.9
Alzheimer's disease ⁷	14.0	...	...	8.5	10.2	13.5	13.5
Human immunodeficiency virus (HIV) disease	187.5	...	---	779.5	344.2	213.4	196.1
Unintentional injuries	1,324.0	---	---	1,182.9	937.5	1,134.6	1,334.0
Motor vehicle-related injuries	526.0	---	---	598.3	413.0	471.7	522.4
Drug overdose	478.7	---	---	199.6	227.7	355.4	495.6
Nephritis, nephrotic syndrome and nephrosis ⁶	185.0	---	---	222.0	200.3	182.3	183.0
Suicide ⁸	252.1	---	---	213.4	204.4	223.7	248.7
Homicide ⁸	1,074.0	---	---	970.9	866.5	964.9	1,045.7

Table 18. Years of potential life lost before age 75 for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1980–2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#018>.

[Data are based on death certificates]

... Category not applicable.

- - - Data not available.

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

¹Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2001, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2001 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

²Underlying cause of death was coded according to the 9th revision of the *International Classification of Diseases* (ICD) in 1980–1998. See Appendix II, Cause of death; Table III; Table IV.

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

⁴Rate for male population only.

⁵Rate for female population only.

⁶Starting with 2011 data, the rules for selecting Renal failure as the underlying cause of death were changed, affecting the number of deaths in the Nephritis, nephrotic syndrome and nephrosis and Diabetes categories. These changes directly affect deaths with mention of Renal failure and other associated conditions, such as Diabetes mellitus with renal complications. The result is a decrease in the number of deaths for Nephritis, nephrotic syndrome and nephrosis and an increase in the number of deaths for Diabetes mellitus. Therefore, trend data for these two causes of death should be interpreted with caution. For more information, see Technical Notes in "Deaths: Preliminary Data for 2011," available from:

https://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_06.pdf.

⁷Data for Alzheimer's disease are only presented for data years 1999 and beyond due to large differences in death rates caused by changes in the ICD coding of the causes of death between ICD–9 and ICD–10. See Appendix II, Cause of death; Comparability ratio; Table IV; Table V.

⁸Figures for 2001 (shown in spreadsheet version) include September 11-related deaths for which death certificates were filed as of October 24, 2002. See Appendix II, Cause of death; Table IV for terrorism-related ICD–10 codes.

⁹The 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 Hispanic, American Indian or Alaska Native, and Asian or Pacific Islander persons should be interpreted with caution because of inconsistencies in reporting Hispanic origin or race on the death certificate (death rate numerators) compared with population figures (death rate denominators). The net effect of misclassification is an underestimation of deaths and death rates for races other than white and black. See Appendix II, Race, for a detailed discussion of sources of bias in death rates by race and Hispanic origin.

¹⁰Prior to 1997, data from states that did not report Hispanic origin on the death certificate were excluded. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 (shown in spreadsheet version) were revised using intercensal population estimates based on the 1990 and 2000 Censuses. For 2000, population estimates are bridged-race April 1 census counts. Starting with *Health, United States, 2012*, rates for 2001–2009 (shown in spreadsheet version) were revised using intercensal population estimates based on the 2000 and 2010 Censuses. For 2010, population estimates are bridged-race April 1 census counts. Rates for 2011 and beyond were computed using 2010-based postcensal estimates. See Appendix I, Population Census and Population Estimates. See Appendix II, Years of potential life lost (YPLL), for definition and method of calculation. Starting with 2003 data (shown in spreadsheet version), some states began to collect information on more than one race on the death certificate, according to 1997 Office of Management and Budget (OMB) standards. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards, for comparability with other states. See Appendix II, Race. Rates are rounded at the end of the calculation process. They may differ from rates based on the same data presented elsewhere if rounding is done earlier in the calculation process. Data for additional years are available. See the Excel spreadsheet on the *Health, United States* website at: <https://www.cdc.gov/nchs/hus.htm>. Some data have been revised and differ from previous editions of *Health, United States*.

SOURCE: NCHS, National Vital Statistics System; numerator data from annual public-use Mortality Files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1990–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau. See Appendix I, National Vital Statistics System (NVSS).