

**Table 5. Age-adjusted death rates for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1950–2018**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2019.htm#Table-005>

[Data are based on death certificates]

Sex and cause of death <sup>1</sup>	1950 <sup>2,3</sup>	1960 <sup>2,3</sup>	1970 <sup>3</sup>	1980 <sup>3</sup>	1990 <sup>3</sup>	2000 <sup>4</sup>	2005 <sup>4</sup>	2010 <sup>4</sup>	2017 <sup>4</sup>	2018 <sup>4</sup>
All persons										
	Age-adjusted deaths per 100,000 population <sup>5</sup>									
All causes.....	1,446.0	1,339.2	1,222.6	1,039.1	938.7	869.0	815.0	747.0	731.9	723.6
Diseases of heart .....	588.8	559.0	492.7	412.1	321.8	257.6	216.8	179.1	165.0	163.6
Ischemic heart disease.....	---	---	---	345.2	249.6	186.8	148.2	113.6	92.9	90.9
Cerebrovascular diseases .....	180.7	177.9	147.7	96.2	65.3	60.9	48.0	39.1	37.6	37.1
Malignant neoplasms.....	193.9	193.9	198.6	207.9	216.0	199.6	185.1	172.8	152.5	149.1
Trachea, bronchus, and lung.....	15.0	24.1	37.1	49.9	59.3	56.1	52.7	47.6	36.6	34.8
Colon, rectum, and anus.....	---	30.3	28.9	27.4	24.5	20.8	17.7	15.8	13.7	13.4
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	28.3	37.2	44.2	43.9	42.2	40.9	39.7
Influenza and pneumonia <sup>7</sup> .....	48.1	53.7	41.7	31.4	36.8	23.7	21.0	15.1	14.3	14.9
Chronic liver disease and cirrhosis.....	11.3	13.3	17.8	15.1	11.1	9.5	8.9	9.4	10.9	11.1
Diabetes mellitus <sup>8</sup> .....	23.1	22.5	24.3	18.1	20.7	25.0	24.9	20.8	21.5	21.4
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	18.1	24.0	25.1	31.0	30.5
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	10.2	5.2	4.2	2.6	1.6	1.5
Unintentional injuries.....	78.0	62.3	60.1	46.4	36.3	34.9	39.5	38.0	49.4	48.0
Motor vehicle-related injuries.....	24.6	23.1	27.6	22.3	18.5	15.4	15.2	11.3	12.0	11.7
Poisoning.....	2.5	1.7	2.8	1.9	2.3	4.5	8.0	10.6	20.1	19.3
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	9.1	9.3	13.5	14.7	15.3	13.0	12.9
Suicide <sup>10</sup> .....	13.2	12.5	13.1	12.2	12.5	10.4	10.9	12.1	14.0	14.2
Homicide <sup>10</sup> .....	5.1	5.0	8.8	10.4	9.4	5.9	6.1	5.3	6.2	5.9
Male										
All causes.....	1,674.2	1,609.0	1,542.1	1,348.1	1,202.8	1,053.8	971.9	887.1	864.5	855.5
Diseases of heart .....	699.0	687.6	634.0	538.9	412.4	320.0	268.2	225.1	209.0	207.5
Ischemic heart disease.....	---	---	---	459.7	328.2	241.4	192.3	151.3	126.8	124.5
Cerebrovascular diseases .....	186.4	186.1	157.4	102.2	68.5	62.4	48.4	39.3	38.0	37.6
Malignant neoplasms.....	208.1	225.1	247.6	271.2	280.4	248.9	227.2	209.9	181.1	176.8
Trachea, bronchus, and lung.....	24.6	43.6	67.5	85.2	91.1	76.7	69.1	60.3	44.4	41.8
Colon, rectum, and anus.....	---	31.8	32.3	32.8	30.4	25.1	21.2	19.0	16.2	15.9
Prostate.....	28.6	28.7	28.8	32.8	38.4	30.4	25.3	21.9	18.7	18.8
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	49.9	55.4	55.8	52.2	48.7	45.0	43.7
Influenza and pneumonia <sup>7</sup> .....	55.0	65.8	54.0	42.1	47.8	28.9	24.9	18.2	16.5	17.3
Chronic liver disease and cirrhosis.....	15.0	18.5	24.8	21.3	15.9	13.4	12.4	12.9	14.5	14.7
Diabetes mellitus <sup>8</sup> .....	18.8	19.9	23.0	18.1	21.7	27.8	28.8	24.9	26.8	26.9
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	15.2	19.5	21.0	24.9	24.5
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	18.5	7.9	6.3	3.8	2.4	2.3
Unintentional injuries.....	101.8	85.5	87.4	69.0	52.9	49.3	55.0	51.5	67.8	65.9
Motor vehicle-related injuries.....	38.5	35.4	41.5	33.6	26.5	21.7	21.9	16.2	17.5	16.9
Poisoning.....	3.3	2.3	3.9	2.7	3.5	6.6	10.8	13.8	27.9	26.8
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	12.2	12.1	16.9	18.1	18.7	15.7	15.8
Suicide <sup>10</sup> .....	21.2	20.0	19.8	19.9	21.5	17.7	18.1	19.8	22.4	22.8
Homicide <sup>10</sup> .....	7.9	7.5	14.3	16.6	14.8	9.0	9.7	8.4	9.8	9.3

See footnotes at end of table.

**Table 5. Age-adjusted death rates for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1950–2018—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2019.htm#Table-005>

[Data are based on death certificates]

Sex and cause of death <sup>1</sup>	1950 <sup>2,3</sup>	1960 <sup>2,3</sup>	1970 <sup>3</sup>	1980 <sup>3</sup>	1990 <sup>3</sup>	2000 <sup>4</sup>	2005 <sup>4</sup>	2010 <sup>4</sup>	2017 <sup>4</sup>	2018 <sup>4</sup>	
Female											
Age-adjusted deaths per 100,000 population <sup>5</sup>											
All causes.....	1,236.0	1,105.3	971.4	817.9	750.9	731.4	692.3	634.9	619.7	611.3	
Diseases of heart .....	486.6	447.0	381.6	320.8	257.0	210.9	177.5	143.3	129.6	127.9	
Ischemic heart disease.....	---	---	---	263.1	193.9	146.5	115.0	84.9	66.0	64.0	
Cerebrovascular diseases .....	175.8	170.7	140.0	91.7	62.6	59.1	47.0	38.3	36.6	36.1	
Malignant neoplasms.....	182.3	168.7	163.2	166.7	175.7	167.6	156.7	146.7	131.4	128.6	
Trachea, bronchus, and lung.....	5.8	7.5	13.1	24.4	37.1	41.3	40.6	38.1	30.6	29.3	
Colon, rectum, and anus.....	---	29.1	26.5	23.8	20.6	17.7	15.0	13.3	11.7	11.2	
Breast.....	31.9	31.7	32.1	31.9	33.3	26.8	24.2	22.1	19.9	19.7	
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	14.9	26.6	37.4	38.7	38.0	38.1	36.8	
Influenza and pneumonia <sup>7</sup> .....	41.9	43.8	32.7	25.1	30.5	20.7	18.6	13.1	12.7	13.1	
Chronic liver disease and cirrhosis.....	7.8	8.7	11.9	9.9	7.1	6.2	5.8	6.2	7.6	7.7	
Diabetes mellitus <sup>8</sup> .....	27.0	24.7	25.1	18.0	19.9	23.0	21.9	17.6	17.1	16.8	
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	19.3	26.2	27.3	34.8	34.2	
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	2.2	2.5	2.3	1.4	0.8	0.8	
Unintentional injuries.....	54.0	40.0	35.1	26.1	21.5	22.0	25.3	25.6	32.0	31.0	
Motor vehicle-related injuries.....	11.5	11.7	14.9	11.8	11.0	9.5	8.9	6.5	6.7	6.6	
Poisoning.....	1.7	1.1	1.8	1.3	1.2	2.5	5.1	7.5	12.4	11.7	
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	7.3	7.7	11.5	12.6	13.0	11.1	10.8	
Suicide <sup>10</sup> .....	5.6	5.6	7.4	5.7	4.8	4.0	4.4	5.0	6.1	6.2	
Homicide <sup>10</sup> .....	2.4	2.6	3.7	4.4	4.0	2.8	2.5	2.3	2.5	2.5	
Race, Hispanic origin, and cause of death <sup>1</sup>											
Age-adjusted deaths per 100,000 population <sup>5</sup>											
White <sup>11</sup>											
All causes.....	1,410.8	1,311.3	1,193.3	1,012.7	909.8	849.8	801.1	741.8	734.5	725.4	728.3
Diseases of heart .....	586.0	559.0	492.2	409.4	317.0	253.4	213.2	176.9	164.4	162.7	163.3
Ischemic heart disease.....	---	---	---	347.6	249.7	185.6	147.3	113.5	93.5	91.4	91.8
Cerebrovascular diseases .....	175.5	172.7	143.5	93.2	62.8	58.8	46.0	37.7	36.3	35.8	35.9
Malignant neoplasms.....	194.6	193.1	196.7	204.2	211.6	197.2	183.9	172.4	153.7	150.3	151.0
Trachea, bronchus, and lung.....	15.2	24.0	36.7	49.2	58.6	56.2	53.2	48.3	37.5	35.7	35.8
Colon, rectum, and anus.....	---	30.9	29.2	27.4	24.1	20.3	17.1	15.3	13.5	13.2	13.3
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	29.3	38.3	46.0	46.0	44.6	43.8	42.4	42.6
Influenza and pneumonia <sup>7</sup> .....	44.8	50.4	39.8	30.9	36.4	23.5	20.9	14.9	14.2	14.8	14.9
Chronic liver disease and cirrhosis.....	11.5	13.2	16.6	13.9	10.5	9.6	9.2	9.9	11.7	11.9	12.0
Diabetes mellitus <sup>8</sup> .....	22.9	21.7	22.9	16.7	18.8	22.8	22.8	19.0	19.6	19.5	19.6
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	18.8	24.7	26.0	32.3	31.8	31.9
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	8.3	2.8	2.2	1.4	0.9	0.9	0.9
Unintentional injuries.....	77.0	60.4	57.8	45.3	35.5	35.1	40.7	40.3	52.4	50.6	50.9
Motor vehicle-related injuries.....	24.4	22.9	27.1	22.6	18.5	15.6	15.7	11.7	12.2	11.8	11.9
Poisoning.....	2.4	1.6	2.4	1.8	2.1	4.5	8.5	11.9	22.2	21.0	21.2
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	8.0	8.3	12.1	13.2	14.0	11.8	11.7	11.8
Suicide <sup>10</sup> .....	13.9	13.1	13.8	13.0	13.4	11.3	12.1	13.6	15.8	16.1	16.2
Homicide <sup>10</sup> .....	2.6	2.7	4.7	6.7	5.5	3.6	3.7	3.3	3.6	3.4	3.4

See footnotes at end of table.

**Table 5. Age-adjusted death rates for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1950–2018—Con.**

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[Data are based on death certificates]

Race, Hispanic origin, and cause of death <sup>1</sup>	1950 <sup>2,3</sup>	1960 <sup>2,3</sup>	1970 <sup>3</sup>	1980 <sup>3</sup>	1990 <sup>3</sup>	2000 <sup>4</sup>	2005 <sup>4</sup>	2010 <sup>4</sup>	2017 <sup>4</sup>	2018 <sup>4</sup>	2018 <sup>4</sup> (single race)
Age-adjusted deaths per 100,000 population <sup>5</sup>											
<b>White, not Hispanic or Latino<sup>11,12</sup></b>											
All causes.....	---	---	---	---	914.5	855.5	810.1	755.0	755.0	745.7	748.7
Diseases of heart .....	---	---	---	---	319.7	255.5	215.5	179.9	168.9	167.5	168.1
Ischemic heart disease.....	---	---	---	---	251.9	186.6	148.3	115.0	95.5	93.5	93.8
Cerebrovascular diseases .....	---	---	---	---	63.5	59.0	46.2	37.8	36.4	35.9	36.0
Malignant neoplasms.....	---	---	---	---	215.4	200.6	187.8	176.5	157.9	154.4	155.0
Trachea, bronchus, and lung.....	---	---	---	---	60.3	58.2	55.5	50.8	39.9	38.0	38.2
Colon, rectum, and anus.....	---	---	---	---	24.6	20.5	17.4	15.5	13.7	13.4	13.5
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	---	39.2	47.2	47.7	46.6	46.4	45.0	45.2
Influenza and pneumonia <sup>7</sup> .....	---	---	---	---	36.5	23.5	21.0	14.9	14.4	15.0	15.1
Chronic liver disease and cirrhosis.....	---	---	---	---	9.9	9.0	8.7	9.4	11.3	11.4	11.5
Diabetes mellitus <sup>8</sup> .....	---	---	---	---	18.3	21.8	21.8	18.2	18.8	18.8	18.9
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	19.1	25.1	26.4	32.8	32.2	32.3
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	7.4	2.2	1.8	1.1	0.7	0.7	0.7
Unintentional injuries.....	---	---	---	---	35.0	35.3	41.5	42.4	56.2	53.9	54.3
Motor vehicle-related injuries.....	---	---	---	---	18.2	15.6	15.7	11.9	12.3	11.8	11.9
Poisoning.....	---	---	---	---	2.0	4.6	9.1	13.3	25.2	23.6	23.9
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	---	8.1	12.0	13.1	13.8	11.7	11.6	11.6
Suicide <sup>10</sup> .....	---	---	---	---	13.8	12.0	13.0	15.0	17.8	18.0	18.1
Homicide <sup>10</sup> .....	---	---	---	---	4.0	2.8	2.7	2.5	2.9	2.8	2.8
<b>Black or African American<sup>11</sup></b>											
All causes.....	1,722.1	1,577.5	1,518.1	1,314.8	1,250.3	1,121.4	1,035.1	898.2	854.1	852.9	867.8
Diseases of heart .....	588.7	548.3	512.0	455.3	391.5	324.8	278.0	224.9	202.4	203.7	206.9
Ischemic heart disease.....	---	---	---	334.5	267.0	218.3	175.7	131.2	104.7	103.2	104.8
Cerebrovascular diseases .....	233.6	235.2	197.1	129.1	91.6	81.9	67.0	53.0	51.2	50.8	51.6
Malignant neoplasms.....	176.4	199.1	225.3	256.4	279.5	248.5	223.5	203.8	172.8	168.7	171.2
Trachea, bronchus, and lung.....	11.1	23.7	41.3	59.7	72.4	64.0	58.1	51.4	37.7	35.8	36.3
Colon, rectum, and anus.....	---	22.8	26.1	28.3	30.6	28.2	25.1	21.8	17.9	17.0	17.3
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	19.2	28.1	31.6	31.1	29.0	29.4	29.6	30.0
Influenza and pneumonia <sup>7</sup> .....	76.7	81.1	57.2	34.4	39.4	25.6	22.6	16.8	14.9	15.8	16.0
Chronic liver disease and cirrhosis.....	9.0	13.6	28.1	25.0	16.5	9.4	7.6	6.7	7.3	7.1	7.2
Diabetes mellitus <sup>8</sup> .....	23.5	30.9	38.8	32.7	40.5	49.5	47.5	38.7	37.5	37.6	38.2
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	13.0	20.8	20.6	27.8	26.6	27.0
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	26.7	23.3	19.2	11.6	6.6	6.1	6.2
Unintentional injuries.....	79.9	74.0	78.3	57.6	43.8	37.7	38.8	31.3	45.7	46.6	47.5
Motor vehicle-related injuries.....	26.0	24.2	31.1	20.2	18.8	15.7	14.4	10.9	13.7	13.7	14.0
Poisoning.....	2.8	2.9	5.8	3.1	4.1	6.0	8.1	7.3	18.6	19.0	19.2
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	20.9	19.8	28.7	30.3	29.3	24.9	24.8	25.2
Suicide <sup>10</sup> .....	4.5	5.0	6.2	6.5	7.1	5.5	5.2	5.2	6.6	7.0	7.1
Homicide <sup>10</sup> .....	28.3	26.0	44.0	39.0	36.3	20.5	21.1	17.7	21.4	20.5	21.4

See footnotes at end of table.

**Table 5. Age-adjusted death rates for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1950–2018—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2019.htm#Table-005>

[Data are based on death certificates]

Race, Hispanic origin, and cause of death <sup>1</sup>	1950 <sup>2,3</sup>	1960 <sup>2,3</sup>	1970 <sup>3</sup>	1980 <sup>3</sup>	1990 <sup>3</sup>	2000 <sup>4</sup>	2005 <sup>4</sup>	2010 <sup>4</sup>	2017 <sup>4</sup>	2018 <sup>4</sup>	2018 <sup>4</sup> (single race)
Age-adjusted deaths per 100,000 population <sup>5</sup>											
<b>Black or African American, not Hispanic or Latino<sup>11,12</sup></b>											
All causes.....	---	---	---	---	---	1,137.0	1,055.1	920.4	881.0	879.5	892.6
Diseases of heart .....	---	---	---	---	---	328.4	282.4	229.5	208.0	209.3	212.0
Ischemic heart disease.....	---	---	---	---	---	220.4	178.1	133.4	107.2	105.7	107.0
Cerebrovascular diseases .....	---	---	---	---	---	82.9	68.2	54.3	52.7	52.3	53.0
Malignant neoplasms.....	---	---	---	---	---	252.0	227.7	208.8	178.0	173.8	175.9
Trachea, bronchus, and lung.....	---	---	---	---	---	64.9	59.4	52.6	38.8	36.9	37.4
Colon, rectum, and anus.....	---	---	---	---	---	28.7	25.5	22.4	18.4	17.5	17.7
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	---	---	32.0	31.6	29.6	30.2	30.5	30.8
Influenza and pneumonia <sup>7</sup> .....	---	---	---	---	---	25.9	22.9	17.1	15.2	16.2	16.4
Chronic liver disease and cirrhosis.....	---	---	---	---	---	9.6	7.7	6.9	7.5	7.3	7.4
Diabetes mellitus <sup>8</sup> .....	---	---	---	---	---	50.2	48.3	39.6	38.7	38.7	39.3
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	13.2	21.1	20.9	28.5	27.3	27.6
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	---	23.6	19.7	12.0	6.9	6.3	6.5
Unintentional injuries.....	---	---	---	---	---	38.4	39.7	32.4	47.6	48.4	49.2
Motor vehicle-related injuries.....	---	---	---	---	---	16.0	14.9	11.4	14.3	14.4	14.7
Poisoning.....	---	---	---	---	---	6.1	8.2	7.5	19.3	19.6	19.8
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	---	---	29.1	30.9	30.1	25.8	25.6	26.0
Suicide <sup>10</sup> .....	---	---	---	---	---	5.6	5.4	5.4	6.9	7.2	7.3
Homicide <sup>10</sup> .....	---	---	---	---	---	21.1	21.9	18.6	22.7	21.8	22.6
<b>American Indian or Alaska Native<sup>11,13</sup></b>											
All causes.....	---	---	---	867.0	716.3	709.3	701.1	628.3	587.5	571.8	575.8
Diseases of heart .....	---	---	---	240.6	200.6	178.2	156.6	128.6	115.8	110.8	109.6
Ischemic heart disease.....	---	---	---	173.6	139.1	129.1	106.1	84.9	67.8	64.7	64.2
Cerebrovascular diseases .....	---	---	---	57.8	40.7	45.0	38.8	28.1	26.2	24.2	24.1
Malignant neoplasms.....	---	---	---	113.7	121.8	127.8	128.8	122.4	99.2	97.2	96.2
Trachea, bronchus, and lung.....	---	---	---	20.7	30.9	32.3	35.3	33.1	23.5	23.2	23.0
Colon, rectum, and anus.....	---	---	---	9.5	12.0	13.4	12.6	11.7	10.9	10.1	10.4
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	14.2	25.4	32.8	31.6	33.8	31.1	28.3	27.1
Influenza and pneumonia <sup>7</sup> .....	---	---	---	44.4	36.1	22.3	23.6	15.9	13.1	13.7	14.2
Chronic liver disease and cirrhosis.....	---	---	---	45.3	24.1	24.3	21.6	22.8	26.1	27.7	29.4
Diabetes mellitus <sup>8</sup> .....	---	---	---	29.6	34.1	41.5	44.1	36.4	34.4	31.0	32.1
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	9.1	15.0	17.2	16.5	15.3	14.6
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	1.8	2.2	2.5	1.6	0.9	1.0	1.1
Unintentional injuries.....	---	---	---	99.0	62.6	51.3	51.3	46.9	55.8	53.3	55.1
Motor vehicle-related injuries.....	---	---	---	54.5	32.5	27.3	22.6	15.7	18.5	16.6	17.7
Poisoning.....	---	---	---	2.3	3.2	4.7	8.6	13.0	18.8	19.6	19.6
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	12.2	11.6	15.0	15.6	16.4	10.9	11.4	11.6
Suicide <sup>10</sup> .....	---	---	---	11.9	11.7	9.8	10.7	10.8	13.5	13.7	13.7
Homicide <sup>10</sup> .....	---	---	---	15.5	10.4	6.8	6.8	5.7	6.3	7.1	7.2

See footnotes at end of table.

**Table 5. Age-adjusted death rates for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1950–2018—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2019.htm#Table-005>

[Data are based on death certificates]

Race, Hispanic origin, and cause of death <sup>1</sup>	1950 <sup>2,3</sup>	1960 <sup>2,3</sup>	1970 <sup>3</sup>	1980 <sup>3</sup>	1990 <sup>3</sup>	2000 <sup>4</sup>	2005 <sup>4</sup>	2010 <sup>4</sup>	2017 <sup>4</sup>	2018 <sup>4</sup>	2018 <sup>4</sup> (single race)
Age-adjusted deaths per 100,000 population <sup>5</sup>											
American Indian or Alaska Native, not Hispanic or Latino <sup>11–13</sup>											
All causes.....	---	---	---	---	---	800.5	849.0	818.8	800.2	780.8	790.8
Diseases of heart .....	---	---	---	---	---	197.8	185.7	161.6	151.4	145.8	144.6
Ischemic heart disease.....	---	---	---	---	---	142.7	126.0	106.3	87.8	83.9	83.5
Cerebrovascular diseases .....	---	---	---	---	---	49.6	45.6	35.9	34.1	30.4	30.7
Malignant neoplasms.....	---	---	---	---	---	143.8	153.2	155.0	130.0	128.1	127.4
Trachea, bronchus, and lung.....	---	---	---	---	---	36.3	41.7	41.7	31.3	30.6	30.2
Colon, rectum, and anus.....	---	---	---	---	---	15.2	15.0	14.8	14.5	13.4	13.9
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	---	---	36.6	37.2	42.5	40.7	36.4	34.9
Influenza and pneumonia <sup>7</sup> .....	---	---	---	---	---	24.7	27.7	20.6	17.3	18.5	19.3
Chronic liver disease and cirrhosis.....	---	---	---	---	---	27.9	27.4	32.1	39.5	42.4	45.2
Diabetes mellitus <sup>8</sup> .....	---	---	---	---	---	46.7	51.9	46.3	46.1	42.1	43.7
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	10.2	17.7	20.7	20.6	18.9	18.2
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	---	2.5	3.2	2.2	1.3	1.5	1.7
Unintentional injuries.....	---	---	---	---	---	61.2	68.7	69.8	86.3	82.1	85.3
Motor vehicle-related injuries.....	---	---	---	---	---	33.2	31.3	24.4	29.9	26.4	28.5
Poisoning.....	---	---	---	---	---	5.4	11.5	20.2	30.0	31.2	31.4
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	---	---	17.1	18.8	20.5	14.3	14.5	14.9
Suicide <sup>10</sup> .....	---	---	---	---	---	11.9	14.7	16.9	22.1	22.1	22.3
Homicide <sup>10</sup> .....	---	---	---	---	---	8.2	9.4	9.0	9.9	11.2	11.5
Asian or Pacific Islander <sup>11,13</sup>											
All causes.....	---	---	---	589.9	582.0	506.4	459.6	424.3	393.6	390.6	...
Diseases of heart .....	---	---	---	202.1	181.7	146.0	119.7	100.9	85.4	85.0	...
Ischemic heart disease.....	---	---	---	168.2	139.6	109.6	85.6	68.7	53.9	53.0	...
Cerebrovascular diseases .....	---	---	---	66.1	56.9	52.9	40.8	33.2	30.1	29.4	...
Malignant neoplasms.....	---	---	---	126.1	134.2	121.9	113.2	108.9	94.4	92.6	...
Trachea, bronchus, and lung.....	---	---	---	28.4	30.2	28.1	26.3	24.8	20.3	18.9	...
Colon, rectum, and anus.....	---	---	---	16.4	14.4	12.7	11.5	11.4	9.3	8.8	...
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	12.9	19.4	18.6	15.9	13.9	11.9	11.6	...
Influenza and pneumonia <sup>7</sup> .....	---	---	---	24.0	31.4	19.7	16.8	14.4	13.0	12.8	...
Chronic liver disease and cirrhosis.....	---	---	---	6.1	5.2	3.5	3.6	3.2	3.7	3.7	...
Diabetes mellitus <sup>8</sup> .....	---	---	---	12.6	14.6	16.4	17.3	15.5	16.4	16.4	...
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	5.5	8.5	10.9	15.2	15.8	...
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	2.2	0.6	0.6	0.4	0.3	0.3	...
Unintentional injuries.....	---	---	---	27.0	23.9	17.9	18.1	15.0	16.8	17.4	...
Motor vehicle-related injuries.....	---	---	---	13.9	14.0	8.6	7.5	5.1	4.7	4.7	...
Poisoning.....	---	---	---	0.5	0.7	0.7	1.3	1.4	3.1	3.3	...
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	7.2	7.1	8.4	8.7	9.6	8.5	8.3	...
Suicide <sup>10</sup> .....	---	---	---	7.8	6.7	5.5	5.1	6.2	6.6	6.9	...
Homicide <sup>10</sup> .....	---	---	---	5.9	5.0	3.0	2.8	1.8	1.7	1.6	...

See footnotes at end of table.

**Table 5. Age-adjusted death rates for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1950–2018—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2019.htm#Table-005>

[Data are based on death certificates]

Race, Hispanic origin, and cause of death <sup>1</sup>	1950 <sup>2,3</sup>	1960 <sup>2,3</sup>	1970 <sup>3</sup>	1980 <sup>3</sup>	1990 <sup>3</sup>	2000 <sup>4</sup>	2005 <sup>4</sup>	2010 <sup>4</sup>	2017 <sup>4</sup>	2018 <sup>4</sup>	2018 <sup>4</sup> (single race)
Age-adjusted deaths per 100,000 population <sup>5</sup>											
<b>Asian or Pacific Islander, not Hispanic or Latino<sup>11–13</sup></b>											
All causes.....	---	---	---	---	---	507.0	460.7	425.6	395.3	392.2	...
Diseases of heart .....	---	---	---	---	---	146.1	119.8	101.1	85.5	85.2	...
Ischemic heart disease.....	---	---	---	---	---	109.7	85.7	69.0	54.0	53.1	...
Cerebrovascular diseases .....	---	---	---	---	---	53.0	41.0	33.4	30.3	29.6	...
Malignant neoplasms.....	---	---	---	---	---	122.0	113.7	109.6	95.2	93.4	...
Trachea, bronchus, and lung.....	---	---	---	---	---	28.0	26.4	25.0	20.4	19.1	...
Colon, rectum, and anus.....	---	---	---	---	---	12.8	11.6	11.5	9.4	8.9	...
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	---	---	18.6	15.9	13.9	11.8	11.6	...
Influenza and pneumonia <sup>7</sup> .....	---	---	---	---	---	19.8	16.9	14.6	13.0	12.9	...
Chronic liver disease and cirrhosis.....	---	---	---	---	---	3.5	3.5	3.2	3.6	3.6	...
Diabetes mellitus <sup>8</sup> .....	---	---	---	---	---	16.4	17.3	15.5	16.5	16.5	...
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	5.5	8.5	11.0	15.3	15.8	...
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	---	0.6	0.6	0.4	0.3	0.3	...
Unintentional injuries.....	---	---	---	---	---	17.8	18.0	15.1	16.7	17.2	...
Motor vehicle-related injuries.....	---	---	---	---	---	8.7	7.4	5.1	4.6	4.7	...
Poisoning.....	---	---	---	---	---	0.7	1.2	1.4	3.1	3.2	...
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	---	---	8.4	8.7	9.6	8.5	8.3	...
Suicide <sup>10</sup> .....	---	---	---	---	---	5.6	5.2	6.2	6.8	7.0	...
Homicide <sup>10</sup> .....	---	---	---	---	---	3.0	2.9	1.8	1.6	1.6	...
<b>Asian, not Hispanic or Latino<sup>11–13</sup></b>											
All causes.....	...	...	...	...	...	...	...	...	...	...	381.2
Diseases of heart .....	...	...	...	...	...	...	...	...	...	...	82.0
Ischemic heart disease.....	...	...	...	...	...	...	...	...	...	...	51.7
Cerebrovascular diseases .....	...	...	...	...	...	...	...	...	...	...	29.2
Malignant neoplasms.....	...	...	...	...	...	...	...	...	...	...	91.8
Trachea, bronchus, and lung.....	...	...	...	...	...	...	...	...	...	...	18.7
Colon, rectum, and anus.....	...	...	...	...	...	...	...	...	...	...	8.9
Chronic lower respiratory diseases <sup>6,7</sup> .....	...	...	...	...	...	...	...	...	...	...	11.1
Influenza and pneumonia <sup>7</sup> .....	...	...	...	...	...	...	...	...	...	...	12.9
Chronic liver disease and cirrhosis.....	...	...	...	...	...	...	...	...	...	...	3.4
Diabetes mellitus <sup>8</sup> .....	...	...	...	...	...	...	...	...	...	...	15.4
Alzheimer's disease <sup>9</sup> .....	...	...	...	...	...	...	...	...	...	...	15.8
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	...	...	...	...	...	...	0.3
Unintentional injuries.....	...	...	...	...	...	...	...	...	...	...	16.0
Motor vehicle-related injuries.....	...	...	...	...	...	...	...	...	...	...	4.4
Poisoning.....	...	...	...	...	...	...	...	...	...	...	2.6
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	...	...	...	...	...	...	...	...	...	...	8.1
Suicide <sup>10</sup> .....	...	...	...	...	...	...	...	...	...	...	6.7
Homicide <sup>10</sup> .....	...	...	...	...	...	...	...	...	...	...	1.4

See footnotes at end of table.

**Table 5. Age-adjusted death rates for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1950–2018—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2019.htm#Table-005>

[Data are based on death certificates]

Race, Hispanic origin, and cause of death <sup>1</sup>	1950 <sup>2,3</sup>	1960 <sup>2,3</sup>	1970 <sup>3</sup>	1980 <sup>3</sup>	1990 <sup>3</sup>	2000 <sup>4</sup>	2005 <sup>4</sup>	2010 <sup>4</sup>	2017 <sup>4</sup>	2018 <sup>4</sup>	2018 <sup>4</sup> (single race)
Age-adjusted deaths per 100,000 population <sup>5</sup>											
<b>Native Hawaiian or Other Pacific Islander, not Hispanic or Latino<sup>11–13</sup></b>											
All causes.....	...	...	...	...	...	...	...	...	...	...	675.7
Diseases of heart .....	...	...	...	...	...	...	...	...	...	...	161.4
Ischemic heart disease.....	...	...	...	...	...	...	...	...	...	...	87.4
Cerebrovascular diseases .....	...	...	...	...	...	...	...	...	...	...	46.6
Malignant neoplasms.....	...	...	...	...	...	...	...	...	...	...	142.6
Trachea, bronchus, and lung.....	...	...	...	...	...	...	...	...	...	...	27.8
Colon, rectum, and anus.....	...	...	...	...	...	...	...	...	...	...	9.8
Chronic lower respiratory diseases <sup>6,7</sup> .....	...	...	...	...	...	...	...	...	...	...	21.9
Influenza and pneumonia <sup>7</sup> .....	...	...	...	...	...	...	...	...	...	...	14.9
Chronic liver disease and cirrhosis.....	...	...	...	...	...	...	...	...	...	...	7.9
Diabetes mellitus <sup>8</sup> .....	...	...	...	...	...	...	...	...	...	...	48.1
Alzheimer's disease <sup>9</sup> .....	...	...	...	...	...	...	...	...	...	...	17.0
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	...	...	...	...	...	...	*
Unintentional injuries.....	...	...	...	...	...	...	...	...	...	...	37.6
Motor vehicle-related injuries.....	...	...	...	...	...	...	...	...	...	...	12.4
Poisoning.....	...	...	...	...	...	...	...	...	...	...	11.4
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	...	...	...	...	...	...	...	...	...	...	14.2
Suicide <sup>10</sup> .....	...	...	...	...	...	...	...	...	...	...	11.9
Homicide <sup>10</sup> .....	...	...	...	...	...	...	...	...	...	...	6.9
<b>Hispanic or Latino<sup>11–13</sup></b>											
All causes.....	---	---	---	---	692.0	665.7	627.6	558.6	524.7	524.1	...
Diseases of heart .....	---	---	---	---	217.1	196.0	170.4	132.8	114.1	112.3	...
Ischemic heart disease.....	---	---	---	---	173.3	153.2	127.9	92.3	70.7	69.1	...
Cerebrovascular diseases .....	---	---	---	---	45.2	46.4	38.6	32.1	31.8	32.0	...
Malignant neoplasms.....	---	---	---	---	136.8	134.9	127.9	119.7	108.1	107.4	...
Trachea, bronchus, and lung.....	---	---	---	---	26.5	24.8	23.3	20.4	15.6	15.1	...
Colon, rectum, and anus.....	---	---	---	---	14.7	14.1	13.1	12.3	10.9	10.9	...
Chronic lower respiratory diseases <sup>6,7</sup> .....	---	---	---	---	19.3	21.1	20.9	19.6	17.2	17.0	...
Influenza and pneumonia <sup>7</sup> .....	---	---	---	---	29.7	20.6	18.5	13.7	11.3	11.7	...
Chronic liver disease and cirrhosis.....	---	---	---	---	18.3	16.5	14.1	13.7	14.3	14.5	...
Diabetes mellitus <sup>8</sup> .....	---	---	---	---	28.2	36.9	35.4	27.1	25.5	24.6	...
Alzheimer's disease <sup>9</sup> .....	---	---	---	---	---	10.4	15.6	18.5	24.7	25.5	...
Human immunodeficiency virus (HIV) disease.....	...	...	...	...	16.3	6.7	4.8	2.8	1.7	1.4	...
Unintentional injuries.....	---	---	---	---	34.6	30.1	31.8	25.8	32.5	32.7	...
Motor vehicle-related injuries.....	---	---	---	---	19.5	14.7	14.6	9.6	10.8	10.6	...
Poisoning.....	---	---	---	---	3.2	4.1	5.2	5.6	10.7	11.1	...
Nephritis, nephrotic syndrome and nephrosis <sup>8</sup> .....	---	---	---	---	8.4	11.8	12.8	14.1	11.3	11.6	...
Suicide <sup>10</sup> .....	---	---	---	---	7.8	5.9	5.6	5.9	6.9	7.4	...
Homicide <sup>10</sup> .....	---	---	---	---	16.2	7.5	7.4	5.3	5.2	4.9	...

See footnotes at end of table.

## Table 5. Age-adjusted death rates for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1950–2018—Con.

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2019.htm#Table-005>

[Data are based on death certificates]

--- Data not available.

... Category not applicable.

\* Estimates are considered unreliable; rates based on fewer than 20 deaths are not shown.

<sup>1</sup> Underlying cause-of-death codes are based on the applicable *International Classification of Diseases* (ICD) revision for data years shown. See Appendix II, Cause of death; *International Classification of Diseases* (ICD); Table III; Table IV.

<sup>2</sup> Includes deaths of persons who were not residents of the 50 states or the District of Columbia (D.C.). In 1950, deaths of persons in Alaska and Hawaii are excluded.

<sup>3</sup> Underlying cause of death was coded according to the 6th revision of the ICD in 1950, 7th revision in 1960, 8th revision in 1970, and 9th revision (ICD-9) in 1980–1998. See Appendix II, Cause of death; Table III; Table IV.

<sup>4</sup> Starting with 1999 data, cause of death is coded according to the 10th revision of ICD (ICD-10). See Appendix II, Cause of death; Comparability ratio; Table IV; Table V.

<sup>5</sup> Age-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.

<sup>6</sup> From 1998 to 1999, the cause-of-death title for Chronic obstructive pulmonary diseases (COPD) in ICD-9 was renamed Chronic lower respiratory diseases (CLRD) in ICD-10.

<sup>7</sup> Starting with 1999 data, the rules for selecting CLRD and Pneumonia as the underlying cause of death have changed, resulting in an increase in the number of deaths for CLRD and a decrease in the number of deaths for Pneumonia. Therefore, trend data for these two causes of death should be interpreted with caution. For more information, see Appendix II, Table V.

<sup>8</sup> Starting with 2011 data, the rules for selecting Renal failure as the underlying cause of death have 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: Final Data for 2011,” available from: [https://www.cdc.gov/nchs/data/nvsr/nvsr63/nvsr63\\_03.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr63/nvsr63_03.pdf).

<sup>9</sup> Data are presented only for data years 1999 and beyond due to large differences in death rates caused by changes in 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.

<sup>10</sup> Rates for 2001 include September 11 terrorism-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.

<sup>11</sup> The race groups white, black or African American, American Indian or Alaska Native, Asian, and Native Hawaiian or Other Pacific Islander include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 2018 data, race on death records is available based on the 1997 “Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity” and presented as single-race estimates (only one race was reported on the death certificate). These estimates include separate estimates for non-Hispanic Asian and non-Hispanic Native Hawaiian or Other Pacific Islander groups. Data for 2003–2017 were tabulated according to the 1977 standards, and race data were bridged to retain comparability across states as they transitioned from 1977 to 1997 standards. Single-race estimates for 2018 are not completely comparable with bridged-race estimates for earlier years, particularly for the smaller race categories. To look at longer-term trends, bridged-race estimates are also presented. The combined group of non-Hispanic Asian or Pacific Islander persons is also shown. See Appendix II, Hispanic origin; Race.

<sup>12</sup> Before 1997, data from states that did not report Hispanic origin on the death certificate were excluded. See Appendix II, Hispanic origin.

<sup>13</sup> Rates for races other than white and black or African American 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 for these race groups is an underestimation of deaths and death rates. For a detailed discussion of sources of bias in death rates by race and Hispanic origin, see Appendix II, Race.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 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 were revised using intercensal population estimates based on the 2000 and 2010 censuses. For 2010, population estimates were bridged-race April 1 census counts. Rates for 2011 and beyond are computed using 2010-based postcensal estimates. See Appendix I, Population Census and Population Estimates. Data for additional years are available in the Excel spreadsheet version of this table on the *Health, United States* website at: <https://www.cdc.gov/nchs/hus/index.htm>.

SOURCE: NCHS, National Vital Statistics System; Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940–1960. 1968; numerator data from National Vital Statistics System, annual public-use Mortality Files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by U.S. Census Bureau, Housing and Household Economic Statistics Division; and Murphy SL, Xu JQ, Kochanek KD, Arias E, Tejada-Vera B. Deaths: Final data for 2018. National Vital Statistics Reports; vol 69 no 13. Hyattsville, MD: National Center for Health Statistics. 2021. Available from: <https://www.cdc.gov/nchs/products/nvsr.htm>. See Appendix I, National Vital Statistics System (NVSS).