

Table 28 (page 1 of 3). Age-adjusted death rates, by race, sex, region, and urbanization level: United States, average annual, selected years 1996–1998 through 2005–2007

[Data are based on the National Vital Statistics System]

Sex, region, and urbanization level ¹	All races			White			Black or African American		
	1996–1998	1999–2001	2005–2007	1996–1998	1999–2001	2005–2007	1996–1998	1999–2001	2005–2007
Age-adjusted death rate per 100,000 standard population ²									
Both sexes									
All regions:									
Metropolitan counties:									
Large:									
Central	894.5	869.0	753.3	858.8	836.7	729.7	1,164.2	1,133.6	994.2
Fringe	839.3	833.0	742.4	828.0	823.7	738.6	1,059.6	1,040.8	903.9
Medium	865.6	859.0	779.5	846.5	842.2	767.3	1,152.4	1,137.3	1,005.6
Small	887.8	887.9	812.7	866.5	868.8	797.4	1,173.1	1,164.3	1,037.1
Nonmetropolitan counties:									
Micropolitan	913.0	907.1	841.3	892.1	890.0	827.2	1,208.2	1,174.9	1,064.1
Nonmicropolitan	933.0	923.2	863.3	909.6	902.8	845.6	1,191.6	1,162.8	1,062.6
Northeast:									
Metropolitan counties:									
Large:									
Central	909.6	861.7	733.3	881.4	838.6	718.4	1,052.4	1,001.1	856.8
Fringe	827.8	814.0	718.4	823.3	810.8	721.5	1,000.0	986.6	836.4
Medium	851.9	836.2	760.5	842.2	828.6	757.2	1,076.6	1,040.8	894.4
Small	852.0	849.5	776.5	847.8	846.5	773.7	1,106.9	1,072.4	975.5
Nonmetropolitan counties:									
Micropolitan	878.4	854.4	783.8	877.9	855.7	787.0	*	*	*
Nonmicropolitan	893.6	877.4	796.7	892.0	876.3	798.3	*	*	*
Midwest:									
Metropolitan counties:									
Large:									
Central	951.7	939.6	826.7	880.7	868.9	762.0	1,213.7	1,205.9	1,069.3
Fringe	856.4	856.1	772.8	845.9	846.3	764.9	1,121.2	1,123.1	1,037.8
Medium	876.1	873.5	796.6	857.0	856.1	781.5	1,168.9	1,151.6	1,038.3
Small	860.8	861.5	785.3	847.4	850.8	775.2	1,178.9	1,146.9	1,057.5
Nonmetropolitan counties:									
Micropolitan	868.8	865.2	800.9	863.9	863.0	799.6	1,222.0	1,103.5	971.1
Nonmicropolitan	867.6	852.7	795.3	858.2	845.9	788.5	1,388.1	1,058.9	924.4
South:									
Metropolitan counties:									
Large:									
Central	938.1	926.8	804.1	864.9	859.1	746.3	1,241.9	1,212.8	1,068.9
Fringe	845.3	845.6	747.6	821.9	826.2	736.4	1,071.4	1,048.4	894.6
Medium	891.8	892.4	805.7	852.1	855.8	775.6	1,172.6	1,164.4	1,031.2
Small	943.6	950.5	874.3	907.5	917.9	849.8	1,183.2	1,180.0	1,046.4
Nonmetropolitan counties:									
Micropolitan	974.1	973.3	906.1	933.5	939.3	877.4	1,218.9	1,194.3	1,089.7
Nonmicropolitan	1,005.3	1,003.0	944.2	975.9	978.5	925.7	1,188.4	1,171.2	1,074.9
West:									
Metropolitan counties:									
Large:									
Central	819.2	792.4	690.7	829.4	804.1	708.3	1,107.9	1,077.7	956.7
Fringe	818.6	803.6	728.6	823.2	810.1	740.4	1,060.8	1,006.2	952.5
Medium	814.7	800.5	728.9	826.9	815.8	747.6	1,045.4	996.3	877.0
Small	827.6	815.7	743.9	826.6	815.7	745.9	973.5	990.7	841.7
Nonmetropolitan counties:									
Micropolitan	861.0	851.8	788.6	860.4	854.7	793.9	*	*	*
Nonmicropolitan	867.1	847.4	780.1	845.9	828.6	761.3	*	*	*

See footnotes at end of table.

Table 28 (page 2 of 3). Age-adjusted death rates, by race, sex, region, and urbanization level: United States, average annual, selected years 1996–1998 through 2005–2007

[Data are based on the National Vital Statistics System]

Sex, region, and urbanization level ¹	All races			White			Black or African American		
	1996–1998	1999–2001	2005–2007	1996–1998	1999–2001	2005–2007	1996–1998	1999–2001	2005–2007
Male	Age-adjusted death rate per 100,000 standard population ²								
All regions:									
Metropolitan counties:									
Large:									
Central.	1,108.6	1,057.6	905.2	1,060.6	1,015.2	873.3	1,503.8	1,436.1	1,246.6
Fringe	1,025.2	998.7	870.7	1,010.9	987.3	865.9	1,329.0	1,281.1	1,088.9
Medium.	1,069.9	1,038.5	928.1	1,045.4	1,017.7	911.5	1,469.0	1,409.2	1,234.7
Small	1,104.6	1,079.2	969.4	1,077.4	1,056.1	950.2	1,497.6	1,449.1	1,273.4
Nonmetropolitan counties:									
Micropolitan.	1,139.9	1,108.6	1,004.5	1,113.5	1,087.5	986.6	1,547.8	1,475.9	1,315.2
Nonmicropolitan.	1,172.3	1,132.9	1,036.7	1,143.3	1,108.3	1,015.3	1,529.0	1,457.3	1,313.5
Northeast:									
Metropolitan counties:									
Large:									
Central.	1,142.0	1,065.3	893.8	1,102.8	1,034.5	873.6	1,374.4	1,280.7	1,077.5
Fringe	1,018.1	985.3	852.3	1,012.6	982.3	857.6	1,263.0	1,219.0	997.7
Medium.	1,061.6	1,018.1	916.1	1,049.9	1,009.7	913.0	1,351.2	1,262.4	1,079.5
Small	1,062.7	1,034.1	936.2	1,057.9	1,032.3	934.6	1,376.8	1,280.7	1,136.6
Nonmetropolitan counties:									
Micropolitan.	1,093.5	1,042.5	941.9	1,093.7	1,045.6	947.9	*	*	*
Nonmicropolitan.	1,096.9	1,056.9	955.5	1,096.1	1,056.6	958.6	*	*	*
Midwest:									
Metropolitan counties:									
Large:									
Central.	1,192.6	1,155.5	1,003.5	1,101.0	1,064.6	918.9	1,559.8	1,525.5	1,353.8
Fringe	1,051.7	1,030.0	903.8	1,038.7	1,018.7	894.5	1,399.4	1,372.7	1,250.8
Medium.	1,089.0	1,063.2	956.9	1,065.3	1,043.8	938.1	1,470.0	1,394.4	1,283.0
Small	1,076.0	1,057.3	942.9	1,059.7	1,045.0	932.0	1,463.9	1,401.9	1,251.4
Nonmetropolitan counties:									
Micropolitan.	1,092.0	1,063.4	966.7	1,086.0	1,062.0	965.8	1,551.8	1,315.8	1,141.5
Nonmicropolitan.	1,094.7	1,050.5	960.2	1,083.0	1,043.3	953.1	1,788.2	1,225.3	1,046.9
South:									
Metropolitan counties:									
Large:									
Central.	1,172.0	1,130.9	968.7	1,074.6	1,042.9	894.9	1,616.0	1,542.6	1,344.2
Fringe	1,030.8	1,009.7	874.8	1,000.5	984.8	859.7	1,351.1	1,297.8	1,086.1
Medium.	1,106.6	1,081.2	957.7	1,053.0	1,033.8	918.8	1,517.1	1,466.2	1,278.6
Small	1,185.9	1,160.8	1,048.7	1,138.6	1,118.6	1,015.3	1,526.9	1,487.0	1,305.4
Nonmetropolitan counties:									
Micropolitan.	1,228.0	1,198.9	1,084.7	1,175.1	1,154.7	1,045.9	1,577.6	1,519.8	1,365.7
Nonmicropolitan.	1,275.7	1,240.6	1,139.6	1,239.3	1,210.2	1,115.2	1,530.4	1,478.0	1,338.5
West:									
Metropolitan counties:									
Large:									
Central.	996.3	949.8	819.8	1,006.7	962.4	837.3	1,383.8	1,323.2	1,157.5
Fringe	981.1	947.0	846.3	988.0	954.5	858.8	1,228.8	1,171.2	1,095.0
Medium.	987.4	952.8	860.5	1,003.1	969.3	876.8	1,230.6	1,165.1	1,011.5
Small	1,003.7	970.5	868.6	1,001.7	971.6	870.0	1,178.9	1,088.1	955.6
Nonmetropolitan counties:									
Micropolitan.	1,037.8	1,012.6	917.1	1,036.0	1,013.6	919.4	*	*	*
Nonmicropolitan.	1,048.7	1,010.9	909.5	1,023.0	986.8	884.7	*	*	*

See footnotes at end of table.

Table 28 (page 3 of 3). Age-adjusted death rates, by race, sex, region, and urbanization level: United States, average annual, selected years 1996–1998 through 2005–2007

[Data are based on the National Vital Statistics System]

Sex, region, and urbanization level ¹	All races			White			Black or African American		
	1996–1998	1999–2001	2005–2007	1996–1998	1999–2001	2005–2007	1996–1998	1999–2001	2005–2007
Female	Age-adjusted death rate per 100,000 standard population ²								
All regions:									
Metropolitan counties:									
Large:									
Central	738.9	730.1	635.1	711.3	703.8	616.4	934.4	929.3	816.1
Fringe	705.7	711.1	640.8	696.3	702.7	637.2	875.9	876.4	770.3
Medium	716.8	724.6	660.3	701.9	710.6	650.8	932.0	945.4	836.1
Small	731.2	745.7	687.6	713.7	729.1	674.8	951.9	966.5	861.8
Nonmetropolitan counties:									
Micropolitan	745.9	754.8	707.3	728.8	740.2	695.6	975.6	968.3	879.6
Nonmicropolitan	750.6	759.5	715.7	731.4	741.9	700.8	951.5	953.0	870.5
Northeast:									
Metropolitan counties:									
Large:									
Central	748.4	719.6	615.8	725.6	699.1	602.7	848.3	823.6	709.2
Fringe	696.3	692.6	617.6	692.4	689.3	618.8	827.2	828.1	718.6
Medium	709.1	707.5	645.3	701.4	700.9	642.4	883.4	877.0	750.3
Small	706.7	717.3	655.5	703.2	713.8	652.6	919.9	930.0	843.6
Nonmetropolitan counties:									
Micropolitan	725.0	717.5	660.7	724.3	718.1	662.3	*	*	*
Nonmicropolitan	741.8	738.5	665.1	740.1	737.4	666.3	*	*	*
Midwest:									
Metropolitan counties:									
Large:									
Central	784.1	786.2	695.7	729.7	730.9	646.2	974.4	984.5	869.1
Fringe	722.9	733.8	672.9	714.5	725.1	666.2	924.6	948.2	883.7
Medium	728.9	739.6	676.6	713.6	724.3	664.5	955.1	972.7	857.1
Small	710.8	721.4	666.0	700.0	712.2	657.0	963.1	952.5	897.5
Nonmetropolitan counties:									
Micropolitan	711.2	721.2	671.9	707.3	718.6	670.7	998.7	948.8	818.3
Nonmicropolitan	696.1	700.0	658.0	688.9	693.9	651.9	1,123.8	955.4	805.4
South:									
Metropolitan counties:									
Large:									
Central	768.6	776.3	675.7	712.1	721.7	628.3	988.2	989.8	875.8
Fringe	705.7	719.6	642.6	686.1	702.4	632.4	882.4	881.0	759.2
Medium	731.2	746.6	678.6	700.1	716.0	653.3	938.9	958.2	853.7
Small	771.0	795.0	734.8	740.9	767.1	714.9	956.5	974.2	862.1
Nonmetropolitan counties:									
Micropolitan	788.4	803.8	758.4	754.8	774.5	735.0	977.3	975.7	893.7
Nonmicropolitan	803.4	821.3	780.1	778.3	799.5	764.4	946.7	955.0	876.8
West:									
Metropolitan counties:									
Large:									
Central	682.6	670.1	584.8	691.8	679.9	600.9	906.0	899.3	796.8
Fringe	696.3	693.8	632.9	699.2	699.1	643.3	920.1	876.5	833.7
Medium	680.5	681.3	620.1	691.6	696.1	639.7	890.3	855.7	751.7
Small	687.3	691.3	636.0	687.2	690.7	638.2	789.8	886.6	722.0
Nonmetropolitan counties:									
Micropolitan	712.6	715.1	671.6	713.8	720.0	678.3	*	*	*
Nonmicropolitan	710.4	704.0	655.8	694.2	690.7	642.9	*	*	*

* Estimates of death rates for the black population in nonmetropolitan counties in the Northeast and West may be unreliable, possibly due to anomalies in population estimates for the black population in nonmetropolitan counties in these regions.

¹Urbanization levels are for county of residence of decedent. The levels were developed by NCHS using information from the Office of Management and Budget, Department of Agriculture, and Census Bureau. More information on this six-level urban-rural classification scheme is available from: http://www.cdc.gov/nchs/data_access/urban_rural.htm. See Appendix II, Urbanization.

²Average annual death rates are age-adjusted using the year 2000 standard population. In earlier editions of *Health, United States*, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with *Health, United States 2006*, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment. Denominators for rates are population estimates for the middle year of each 3-year period multiplied by 3. The 1997 population estimates used to compute rates for 1996–1998 are intercensal population estimates based on the 2000 census. The 2000 population estimates used to compute rates for 1999–2001 are based on the 2000 census. The 2006 population estimates used to compute rates for 2005–2007 are postcensal population estimates based on the 2000 census. See Appendix I, Population Census and Population Estimates.

NOTES: The race groups, white and black, include persons of Hispanic and non-Hispanic origin. 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; Hispanic origin. Data have been revised and differ from previous editions of *Health, United States*. Data for additional years are available. See Appendix III.

SOURCE: CDC/NCHS, National Vital Statistics System, Compressed Mortality File.