

Table 22 (page 1 of 3). Age-adjusted death rates, by race, sex, region, and urbanization level: United States, average annual, selected years 1996–1998 through 2011–2013

Updated data when available, Excel, PDF, and more data years: <http://www.cdc.gov/nchs/hus/contents2014.htm#022>.

[Data are based on death certificates]

Sex, region, and urbanization level ¹	All races			White			Black or African American		
	1996–1998	1999–2001	2011–2013	1996–1998	1999–2001	2011–2013	1996–1998	1999–2001	2011–2013
Both sexes									
Age-adjusted death rate per 100,000 population ²									
All regions:									
Metropolitan counties:									
Large:									
Central	894.5	869.0	696.8	858.8	836.7	690.5	1,164.2	1,133.6	869.9
Fringe	839.3	833.0	687.3	828.0	823.7	692.8	1,059.6	1,040.8	765.7
Medium	865.6	859.0	740.6	846.5	842.2	735.1	1,152.4	1,137.3	895.8
Small	887.8	887.9	782.2	866.5	868.8	773.2	1,173.1	1,164.3	938.0
Nonmetropolitan counties:									
Micropolitan	913.0	907.1	819.1	892.1	890.0	810.5	1,208.2	1,174.9	979.1
Nonmicropolitan	933.0	923.2	843.1	909.6	902.8	830.4	1,191.6	1,162.8	961.9
Northeast:									
Metropolitan counties:									
Large:									
Central	909.6	861.7	681.9	881.4	838.6	691.7	1,052.4	1,001.1	748.0
Fringe	827.8	814.0	664.0	823.3	810.8	673.5	1,000.0	986.6	720.6
Medium	851.9	836.2	709.5	842.2	828.6	711.0	1,076.6	1,040.8	778.0
Small	852.0	849.5	736.3	847.8	846.5	737.1	1,106.9	1,072.4	836.2
Nonmetropolitan counties:									
Micropolitan	878.4	854.4	755.8	877.9	855.7	759.7	*	*	*
Nonmicropolitan	893.6	877.4	765.1	892.0	876.3	768.4	*	*	*
Midwest:									
Metropolitan counties:									
Large:									
Central	951.7	939.6	781.6	880.7	868.9	735.8	1,213.7	1,205.9	960.4
Fringe	856.4	856.1	720.4	845.9	846.3	718.0	1,121.2	1,123.1	873.4
Medium	876.1	873.5	768.0	857.0	856.1	755.8	1,168.9	1,151.6	963.3
Small	860.8	861.5	760.2	847.4	850.8	752.7	1,178.9	1,146.9	952.5
Nonmetropolitan counties:									
Micropolitan	868.8	865.2	786.8	863.9	863.0	786.9	1,222.0	1,103.5	842.4
Nonmicropolitan	867.6	852.7	779.3	858.2	845.9	773.0	1,388.1	1,058.9	699.6
South:									
Metropolitan counties:									
Large:									
Central	938.1	926.8	746.4	864.9	859.1	710.5	1,241.9	1,212.8	922.3
Fringe	845.3	845.6	697.1	821.9	826.2	701.3	1,071.4	1,048.4	755.8
Medium	891.8	892.4	769.9	852.1	855.8	752.6	1,172.6	1,164.4	913.7
Small	943.6	950.5	842.4	907.5	917.9	829.8	1,183.2	1,180.0	951.7
Nonmetropolitan counties:									
Micropolitan	974.1	973.3	885.5	933.5	939.3	868.3	1,218.9	1,194.3	1,012.4
Nonmicropolitan	1,005.3	1,003.0	925.8	975.9	978.5	919.2	1,188.4	1,171.2	983.7
West:									
Metropolitan counties:									
Large:									
Central	819.2	792.4	629.6	829.4	804.1	656.1	1,107.9	1,077.7	827.5
Fringe	818.6	803.6	652.0	823.2	810.1	667.9	1,060.8	1,006.2	786.2
Medium	814.7	800.5	686.3	826.9	815.8	705.9	1,045.4	996.3	790.1
Small	827.6	815.7	714.9	826.6	815.7	719.0	973.5	990.7	698.2
Nonmetropolitan counties:									
Micropolitan	861.0	851.8	752.3	860.4	854.7	760.4	*	*	*
Nonmicropolitan	867.1	847.4	749.2	845.9	828.6	724.7	*	*	*

See footnotes at end of table.

Table 22 (page 2 of 3). Age-adjusted death rates, by race, sex, region, and urbanization level: United States, average annual, selected years 1996–1998 through 2011–2013

Updated data when available, Excel, PDF, and more data years: <http://www.cdc.gov/nchs/hus/contents2014.htm#022>.

[Data are based on death certificates]

Sex, region, and urbanization level ¹	All races			White			Black or African American		
	1996–1998	1999–2001	2011–2013	1996–1998	1999–2001	2011–2013	1996–1998	1999–2001	2011–2013
Male	Age-adjusted death rate per 100,000 population ²								
All regions:									
Metropolitan counties:									
Large:									
Central	1,108.6	1,057.6	830.6	1,060.6	1,015.2	819.2	1,503.8	1,436.1	1,074.7
Fringe	1,025.2	998.7	807.3	1,010.9	987.3	812.5	1,329.0	1,281.1	927.3
Medium	1,069.9	1,038.5	872.1	1,045.4	1,017.7	862.8	1,469.0	1,409.2	1,085.8
Small	1,104.6	1,079.2	919.9	1,077.4	1,056.1	908.7	1,497.6	1,449.1	1,124.3
Nonmetropolitan counties:									
Micropolitan	1,139.9	1,108.6	962.5	1,113.5	1,087.5	951.0	1,547.8	1,475.9	1,184.5
Nonmicropolitan	1,172.3	1,132.9	985.9	1,143.3	1,108.3	970.6	1,529.0	1,457.3	1,159.1
Northeast:									
Metropolitan counties:									
Large:									
Central	1,142.0	1,065.3	826.3	1,102.8	1,034.5	834.8	1,374.4	1,280.7	933.1
Fringe	1,018.1	985.3	788.0	1,012.6	982.3	800.6	1,263.0	1,219.0	868.0
Medium	1,061.6	1,018.1	843.2	1,049.9	1,009.7	845.7	1,351.2	1,262.4	923.4
Small	1,062.7	1,034.1	870.3	1,057.9	1,032.3	873.6	1,376.8	1,280.7	939.0
Nonmetropolitan counties:									
Micropolitan	1,093.5	1,042.5	890.8	1,093.7	1,045.6	897.7	*	*	*
Nonmicropolitan	1,096.9	1,056.9	893.3	1,096.1	1,056.6	899.3	*	*	*
Midwest:									
Metropolitan counties:									
Large:									
Central	1,192.6	1,155.5	938.9	1,101.0	1,064.6	876.7	1,559.8	1,525.5	1,201.6
Fringe	1,051.7	1,030.0	839.8	1,038.7	1,018.7	836.0	1,399.4	1,372.7	1,054.0
Medium	1,089.0	1,063.2	902.6	1,065.3	1,043.8	887.6	1,470.0	1,394.4	1,158.6
Small	1,076.0	1,057.3	896.2	1,059.7	1,045.0	888.3	1,463.9	1,401.9	1,117.0
Nonmetropolitan counties:									
Micropolitan	1,092.0	1,063.4	928.1	1,086.0	1,062.0	929.6	1,551.8	1,315.8	960.9
Nonmicropolitan	1,094.7	1,050.5	919.6	1,083.0	1,043.3	913.6	1,788.2	1,225.3	807.0
South:									
Metropolitan counties:									
Large:									
Central	1,172.0	1,130.9	892.0	1,074.6	1,042.9	845.6	1,616.0	1,542.6	1,139.3
Fringe	1,030.8	1,009.7	816.3	1,000.5	984.8	817.8	1,351.1	1,297.8	921.0
Medium	1,106.6	1,081.2	907.0	1,053.0	1,033.8	882.5	1,517.1	1,466.2	1,121.7
Small	1,185.9	1,160.8	993.9	1,138.6	1,118.6	975.9	1,526.9	1,487.0	1,156.6
Nonmetropolitan counties:									
Micropolitan	1,228.0	1,198.9	1,042.1	1,175.1	1,154.7	1,016.4	1,577.6	1,519.8	1,247.0
Nonmicropolitan	1,275.7	1,240.6	1,082.3	1,239.3	1,210.2	1,070.4	1,530.4	1,478.0	1,196.8
West:									
Metropolitan counties:									
Large:									
Central	996.3	949.8	742.6	1,006.7	962.4	770.3	1,383.8	1,323.2	982.3
Fringe	981.1	947.0	764.9	988.0	954.5	781.3	1,228.8	1,171.2	919.7
Medium	987.4	952.8	804.4	1,003.1	969.3	820.7	1,230.6	1,165.1	912.9
Small	1,003.7	970.5	833.2	1,001.7	971.6	837.4	1,178.9	1,088.1	798.2
Nonmetropolitan counties:									
Micropolitan	1,037.8	1,012.6	877.2	1,036.0	1,013.6	882.9	*	*	*
Nonmicropolitan	1,048.7	1,010.9	863.3	1,023.0	986.8	834.1	*	*	*

See footnotes at end of table.

Table 22 (page 3 of 3). Age-adjusted death rates, by race, sex, region, and urbanization level: United States, average annual, selected years 1996–1998 through 2011–2013

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[Data are based on death certificates]

Sex, region, and urbanization level ¹	All races			White			Black or African American		
	1996–1998	1999–2001	2011–2013	1996–1998	1999–2001	2011–2013	1996–1998	1999–2001	2011–2013
	Age-adjusted death rate per 100,000 population ²								
All regions: Female									
Metropolitan counties:									
Large:									
Central	738.9	730.1	590.7	711.3	703.8	585.9	934.4	929.3	725.0
Fringe	705.7	711.1	591.4	696.3	702.7	595.7	875.9	876.4	651.2
Medium	716.8	724.6	632.2	701.9	710.6	628.5	932.0	945.4	752.3
Small	731.2	745.7	668.1	713.7	729.1	660.0	951.9	966.5	795.7
Nonmetropolitan counties:									
Micropolitan	745.9	754.8	696.7	728.8	740.2	689.8	975.6	968.3	822.0
Nonmicropolitan	750.6	759.5	716.9	731.4	741.9	705.7	951.5	953.0	813.7
Northeast:									
Metropolitan counties:									
Large:									
Central	748.4	719.6	574.4	725.6	699.1	580.9	848.3	823.6	625.7
Fringe	696.3	692.6	568.1	692.4	689.3	574.5	827.2	828.1	616.9
Medium	709.1	707.5	604.2	701.4	700.9	604.7	883.4	877.0	664.6
Small	706.7	717.3	627.5	703.2	713.8	626.9	919.9	930.0	741.1
Nonmetropolitan counties:									
Micropolitan	725.0	717.5	642.6	724.3	718.1	644.5	*	*	*
Nonmicropolitan	741.8	738.5	652.4	740.1	737.4	654.0	*	*	*
Midwest:									
Metropolitan counties:									
Large:									
Central	784.1	786.2	660.4	729.7	730.9	625.2	974.4	984.5	789.1
Fringe	722.9	733.8	625.2	714.5	725.1	623.3	924.6	948.2	742.6
Medium	728.9	739.6	660.4	713.6	724.3	650.1	955.1	972.7	813.9
Small	710.8	721.4	650.9	700.0	712.2	643.9	963.1	952.5	819.2
Nonmetropolitan counties:									
Micropolitan	711.2	721.2	670.5	707.3	718.6	669.7	998.7	948.8	745.9
Nonmicropolitan	696.1	700.0	657.8	688.9	693.9	651.5	1,123.8	955.4	627.6
South:									
Metropolitan counties:									
Large:									
Central	768.6	776.3	632.0	712.1	721.7	601.4	988.2	989.8	769.7
Fringe	705.7	719.6	599.8	686.1	702.4	603.4	882.4	881.0	641.1
Medium	731.2	746.6	654.9	700.1	716.0	641.2	938.9	958.2	761.5
Small	771.0	795.0	717.8	740.9	767.1	707.1	956.5	974.2	801.9
Nonmetropolitan counties:									
Micropolitan	788.4	803.8	752.0	754.8	774.5	739.4	977.3	975.7	839.4
Nonmicropolitan	803.4	821.3	789.3	778.3	799.5	784.4	946.7	955.0	825.4
West:									
Metropolitan counties:									
Large:									
Central	682.6	670.1	535.8	691.8	679.9	559.2	906.0	899.3	703.2
Fringe	696.3	693.8	559.9	699.2	699.1	574.2	920.1	876.5	674.4
Medium	680.5	681.3	586.5	691.6	696.1	607.0	890.3	855.7	678.9
Small	687.3	691.3	610.7	687.2	690.7	614.5	789.8	886.6	584.9
Nonmetropolitan counties:									
Micropolitan	712.6	715.1	638.1	713.8	720.0	647.5	*	*	*
Nonmicropolitan	710.4	704.0	637.3	694.2	690.7	617.4	*	*	*

* 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 2006 Urban-Rural Classification Scheme for Counties is available from: http://www.cdc.gov/nchs/data_access/urban_rural.htm. See Appendix II, Urbanization. NCHS has updated the 2006 Urban-Rural classification scheme using the Office of Management and Budget's (OMB) February 2013 delineation of metropolitan statistical areas and micropolitan statistical areas. To maintain the consistency of trends shown in this table, all counties are classified according to the 2006 scheme. Comparison of the 2013 and 2006 NCHS urban-rural classification scheme showed that 9% of counties had different category assignments in the two schemes, with most of the counties moving to a more urban category. For more information on the 2013 scheme, see: Ingram DD, Franco SJ. 2013 NCHS urban-rural classification scheme for counties. National Center for Health Statistics. Vital Health Stat 2(166). 2014. Available from: http://www.cdc.gov/nchs/data/series/sr_02/sr02_166.pdf.

²Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2009, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2009 data (shown in spreadsheet version), unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment. Prior to 2009–2011, denominators for rates are resident population estimates for the middle year of each 3-year period, multiplied by 3. Starting with 2009–2011 (shown in spreadsheet version), denominators for rates are the 3-year average population. 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, Hispanic origin; Race. Rates for 1999–2001 were calculated using intercensal 1999 population estimates, 2000 bridged-race April 1 census counts, and postcensal population estimates for 2001. Rates for 2009 and beyond were calculated using intercensal population estimates for 2009, 2010 bridged-race April 1 census counts, and 2010-based postcensal population estimates for 2011 and beyond. 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.

SOURCE: CDC/NCHS, National Vital Statistics System, Compressed Mortality File. See Appendix I, National Vital Statistics System (NVSS).