

Data Brief 417. Trends in Death Rates in Urban and Rural Areas: United States, 1999–2019

Data table for Figure 1. Age-adjusted death rates, by urban-rural classification: United States, 1999–2019

[Rates are per 100,000 population, enumerated as of April 1 for 2000 and 2010 and estimated as of July 1 for all other years]

Year	Urban		Rural	
	Number	Rate	Number	Rate
1999	1,920,103	865.1	471,296	923.8
2000	1,931,159	858.3	472,192	918.1
2001	1,945,697	848.1	470,728	908.6
2002	1,964,892	842.8	478,495	917.3
2003	1,970,448	829.9	477,840	907.4
2004	1,932,407	800.7	465,208	876.2
2005	1,972,266	800.3	475,751	885.7
2006	1,956,333	777.3	469,931	862.0
2007	1,952,186	759.2	471,526	852.9
2008	1,988,768	756.9	483,216	863.0
2009	1,963,729	731.7	473,434	837.6
2010	1,989,099	728.7	479,336	837.6
2011	2,028,813	722.2	486,645	838.1
2012	2,053,995	713.5	489,284	831.3
2013	2,098,572	711.9	498,421	835.2
2014	2,125,424	704.3	500,994	830.5
2015	2,196,111	711.6	516,519	846.0
2016	2,227,271	707.9	516,977	840.0
2017	2,285,463	710.7	528,040	845.8
2018	2,308,265	702.5	530,940	837.5
2019	2,320,231	693.4	534,607	834.0

NOTES: Rates are per 100,000 standard population; see Data source and methods in this report. Urbanicity of county of residence is based on the 2013 NCHS Urban-Rural Classification Scheme for Counties; see Data source and methods.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

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Data table for Figure 2. Age-adjusted death rates, by urban-rural classification and sex: United States, 1999–2019

[Rates are per 100,000 population, enumerated as of April 1 for 2000 and 2010 and estimated as of July 1 for all other years]

Year	Male		Female	
	Urban	Rural	Urban	Rural
1999	1,050.3	1,140.4	728.5	760.2
2000	1,038.0	1,124.0	725.1	760.8
2001	1,019.8	1,104.9	719.1	757.0
2002	1,012.9	1,111.0	714.8	766.2
2003	992.7	1,091.4	705.7	760.9
2004	956.5	1,051.7	681.3	735.7
2005	953.3	1,058.9	681.4	745.5
2006	925.7	1,027.1	661.2	726.2
2007	903.6	1,013.9	645.6	719.8
2008	896.8	1,023.5	646.0	729.3
2009	869.9	991.9	622.7	708.2
2010	865.5	991.3	620.4	708.7
2011	853.1	984.7	617.0	712.6
2012	842.8	975.8	609.0	706.9
2013	840.6	978.4	607.1	710.4
2014	832.1	971.5	599.8	706.7
2015	838.7	987.6	606.3	721.1
2016	837.4	982.4	600.0	713.6
2017	839.9	991.6	602.3	716.0
2018	831.3	982.0	593.9	708.4
2019	821.9	977.3	584.6	704.5

NOTES: Rates are per 100,000 standard population; see Data source and methods in this report. Urbanicity of county of residence is based on the 2013 NCHS Urban-Rural Classification Scheme for Counties; see Data source and methods.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

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Data table for Figure 3. Age-adjusted death rates for the 10 leading causes of death, by urban-rural classification: United States, 2019

[Rates are per 100,000 population, enumerated as of July 1, 2019]

Rank ¹	Cause of death (based on <i>International Classification of Diseases, 10th Revision</i> [ICD–10])	Urban	Rural
1	Diseases of heart (heart disease) (I00–I09,I11,I13,I20–I51)	156.3	189.1
2	Malignant neoplasms (cancer) (C00–C97)	142.8	164.1
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	47.4	61.1
4	Chronic lower respiratory diseases (J40–J47)	35.4	52.5
5	Cerebrovascular diseases (stroke) (I60–I69)	36.6	39.0
6	Alzheimer disease (G30)	29.2	32.8
7	Diabetes mellitus (diabetes) (E10–E14)	20.5	27.3
8	Nephritis, nephrotic syndrome and nephrosis (kidney disease) (N00–N07,N17–N19, N25–N27)	12.2	15.2
9	Influenza and pneumonia (J09–J18)	11.7	15.3
10	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	13.2	18.9

¹Code not included in ICD–10.

¹Based on number of deaths.

NOTES: Rates are per 100,000 standard population; see Data source and methods in this report. Urbanicity of county of residence is based on the 2013 NCHS Urban-Rural Classification Scheme for Counties; see Data source and methods.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

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Data table for Figure 4. Age-adjusted death rates for heart disease, cancer, and chronic lower respiratory disease, by urban-rural classification: United States, 1999–2019

[Rates are per 100,000 population, enumerated as of April 1 for 2000 and 2010 and estimated as of July 1 for all other years]

Year	Diseases of heart (heart disease) (I00–I09,I11,I13, I20–I51)		Malignant neoplasms (cancer) (C00–C97)		Chronic lower respiratory diseases (J40–J47)	
	Urban	Rural	Urban	Rural	Urban	Rural
1999	263.4	280.1	200.0	204.5	44.5	49.5
2000	254.2	273.2	198.5	204.7	43.2	48.6
2001	246.5	263.4	195.3	202.0	42.6	49.2
2002	241.1	261.2	192.9	201.5	42.5	50.1
2003	232.8	252.7	189.5	197.8	42.3	50.0
2004	218.3	237.1	185.0	195.3	40.3	47.6
2005	213.2	234.1	183.2	194.4	42.2	51.4
2006	201.7	223.2	179.9	191.0	39.5	48.0
2007	192.0	215.6	176.9	190.5	39.4	49.9
2008	187.6	213.6	174.0	187.7	42.6	54.2
2009	178.4	204.1	171.1	185.2	40.5	52.5
2010	174.5	201.4	170.2	185.2	40.1	52.0
2011	169.2	196.1	166.2	182.6	40.2	53.1
2012	165.8	194.2	163.7	180.2	39.1	53.1
2013	164.8	194.8	160.2	178.4	39.7	53.7
2014	161.7	193.5	158.3	176.2	38.0	52.4
2015	163.0	196.6	155.2	175.4	38.9	54.9
2016	160.1	193.4	152.6	172.5	37.9	53.5
2017	159.7	192.9	149.1	170.1	38.1	55.0
2018	158.6	190.3	145.8	166.2	37.0	53.6
2019	156.3	189.1	142.8	164.1	35.4	52.5

NOTES: Rates are per 100,000 standard population; see Data source and methods in this report. Urbanicity of county of residence is based on the 2013 NCHS Urban-Rural Classification Scheme for Counties; see Data source and methods.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.