

**TABLE 2C-20  
MORTALITY RATES<sup>1</sup> FOR THE FIVE LEADING CAUSES<sup>2</sup> OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)  
IN URBAN AND RURAL AREAS<sup>3</sup>, ARIZONA, 2001-2011**

Area/Cause	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	% change from 2001
<b>URBAN</b>												
Malignant neoplasms	193.2	202.4	198.0	188.9	190.5	174.8	169.6	162.8	165.4	164.6	166.5	-13.8
Diseases of heart	129.8	135.3	125.9	127.0	132.5	119.9	109.4	109.8	101.3	98.6	103.9	-20.0
Accidents (unintentional injuries)	42.8	45.1	40.6	47.6	55.7	54.2	47.8	51.6	48.8	47.5	45.4	6.1
Motor vehicle accidents	12.5	18.0	14.7	17.0	18.7	19.7	13.7	14.8	11.5	11.1	11.9	-4.8
Other	30.3	27.1	25.9	30.6	37.0	34.5	34.1	36.8	37.3	36.5	12.4	-59.1
Chronic liver disease and cirrhosis	26.9	25.8	26.8	25.2	30.0	23.3	23.0	27.4	25.7	27.2	30.8	14.5
Chronic lower respiratory diseases	27.8	23.0	21.2	21.9	25.8	22.3	20.5	23.6	20.2	19.2	20.6	-25.9
ALL CAUSES	615.7	637.2	630.2	620.7	647.8	595.0	559.7	559.5	559.4	552.4	561.5	-8.8
(Number of all deaths)	(5509)	(5878)	(5987)	(6140)	(6658)	(6834)	(6812)	(6918)	(6979)	(7098)	(7274)	32.0
<b>RURAL</b>												
Malignant neoplasms	199.7	205.5	210.1	225.2	219.6	197.0	188.3	188.1	176.9	193.1	186.3	-6.7
Diseases of heart	153.6	159.4	162.4	164.5	165.9	148.1	149.6	156.0	164.3	137.4	143.7	-6.4
Accidents (unintentional injuries)	50.4	60.3	68.2	71.0	72.5	74.9	65.3	68.1	71.4	66.2	67.6	34.1
Motor vehicle accidents	23.1	31.1	35.7	30.6	36.0	37.0	26.6	27.3	24.8	23.6	22.5	-2.6
Other	27.3	29.2	32.5	40.4	36.5	37.9	38.7	40.8	46.6	42.6	16.5	-39.6
Chronic liver disease and cirrhosis	29.7	27.4	37.9	44.8	39.8	32.3	36.1	39.6	43.3	41.9	49.3	66.0
Chronic lower respiratory diseases	22.1	26.9	25.0	18.9	31.4	24.8	28.1	29.5	27.4	22.2	36.3	64.3
ALL CAUSES	683.9	725.8	750.7	768.9	781.4	702.9	687.3	727.8	713.2	708.3	716.6	4.8
(Number of all deaths)	(1452)	(1589)	(1683)	(1786)	(1865)	(1784)	(1810)	(1946)	(1927)	(2010)	(2035)	40.2
<b>STATEWIDE</b>												
Malignant neoplasms	194.6	203.0	200.3	195.8	196.0	178.8	173.0	167.6	167.9	170.6	171.2	-12.0
Diseases of heart	134.3	140.0	132.9	134.2	138.8	125.0	116.6	118.2	112.9	106.7	112.0	-16.6
Accidents (unintentional injuries)	44.4	48.0	46.0	52.1	58.8	57.9	51.2	54.9	53.6	52.4	50.3	13.3
Motor vehicle accidents	14.5	20.5	18.8	19.6	22.0	22.8	16.0	17.2	14.0	13.6	14.1	-2.8
Other	29.9	27.5	27.2	32.5	36.8	35.1	35.2	37.7	39.5	38.8	13.4	-55.2
Chronic liver disease and cirrhosis	27.5	26.1	29.0	28.9	31.8	25.0	25.3	29.7	29.1	30.2	34.3	24.7
Chronic lower respiratory diseases	26.7	23.7	21.9	21.4	26.8	22.7	21.8	24.7	21.5	20.0	23.6	-11.6
ALL CAUSES	632.1	654.8	653.7	649.1	673.1	614.6	582.8	591.8	590.0	587.2	595.0	-5.9
(Number of all deaths)	(6998)	(7474)	(7675)	(7928)	(8524)	(8618)	(8629)	(8899)	(8855)	(9212)	(9398)	34.3

<sup>1</sup>Rates are presented per 100,000 middle-aged adults 45-64 years old.

<sup>2</sup>The five causes with the greatest number of deaths over the 2001-2011 period.

<sup>3</sup>Urban = Maricopa, Pima, Pinal, and Yuma counties. The remaining counties comprise Arizona's rural areas. See **Technical Notes** for more information.

Note: Records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area. The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2001-2011 are classified by ICD-10. Comparison between ICD-9 and ICD-10 - the "comparability ratios" - for the causes of death shown in this report are provided in the **Technical Notes**.