

**TABLE 2C-20  
MORTALITY RATES<sup>a</sup> FOR THE FIVE LEADING CAUSES<sup>b</sup> OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)  
IN URBAN AND RURAL AREAS<sup>c</sup>, ARIZONA, 2002-2012**

Area/Cause	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	% change from 2002
<b>URBAN</b>												
Malignant neoplasms	202.4	198.0	188.9	190.5	174.8	169.6	162.8	165.4	164.6	166.5	171.8	-15.1
Diseases of heart	135.3	125.9	127.0	132.5	119.9	109.4	109.8	101.3	98.6	103.9	95.9	-29.1
Accidents (unintentional injuries)	45.1	40.6	47.6	55.7	54.2	47.8	51.6	48.8	47.5	45.4	47.6	5.5
Motor vehicle accidents	18.0	14.7	17.0	18.7	19.7	13.7	14.8	11.5	11.1	11.9	11.9	-34.0
Other	27.1	25.9	30.6	37.0	34.5	34.1	36.8	37.3	36.5	12.4	35.7	31.8
Chronic liver disease and cirrhosis	25.8	26.8	25.2	30.0	23.3	23.0	27.4	25.7	27.2	30.8	31.5	22.1
Chronic lower respiratory diseases	23.0	21.2	21.9	25.8	22.3	20.5	23.6	20.2	19.2	20.6	22.9	-0.4
ALL CAUSES	637.2	630.2	620.7	647.8	595.0	559.7	559.5	559.4	552.4	561.5	575.8	-9.6
(Number of all deaths)	(5878)	(5987)	(6140)	(6658)	(6834)	(6812)	(6918)	(6979)	(7098)	(7274)	(7513)	27.8
<b>RURAL</b>												
Malignant neoplasms	205.5	210.1	225.2	219.6	197.0	188.3	188.1	176.9	193.1	186.3	187.8	-8.6
Diseases of heart	159.4	162.4	164.5	165.9	148.1	149.6	156.0	164.3	137.4	143.7	152.5	-4.4
Accidents (unintentional injuries)	60.3	68.2	71.0	72.5	74.9	65.3	68.1	71.4	66.2	67.6	55.3	-8.2
Motor vehicle accidents	31.1	35.7	30.6	36.0	37.0	26.6	27.3	24.8	23.6	22.5	18.9	-39.2
Other	29.2	32.5	40.4	36.5	37.9	38.7	40.8	46.6	42.6	16.5	36.4	24.7
Chronic liver disease and cirrhosis	27.4	37.9	44.8	39.8	32.3	36.1	39.6	43.3	41.9	49.3	47.5	73.3
Chronic lower respiratory diseases	26.9	25.0	18.9	31.4	24.8	28.1	29.5	27.4	22.2	36.3	33.2	23.4
ALL CAUSES	725.8	750.7	768.9	781.4	702.9	687.3	727.8	713.2	708.3	716.6	720.2	-0.8
(Number of all deaths)	(1589)	(1683)	(1786)	(1865)	(1784)	(1810)	(1946)	(1927)	(2010)	(2035)	(2017)	26.9
<b>STATEWIDE</b>												
Malignant neoplasms	203.0	200.3	195.8	196.0	178.8	173.0	167.6	167.9	170.6	171.2	175.2	-13.7
Diseases of heart	140.0	132.9	134.2	138.8	125.0	116.6	118.2	112.9	106.7	112.0	106.5	-23.9
Accidents (unintentional injuries)	48.0	46.0	52.1	58.8	57.9	51.2	54.9	53.6	52.4	50.3	50.0	4.2
Motor vehicle accidents	20.5	18.8	19.6	22.0	22.8	16.0	17.2	14.0	13.6	14.1	13.3	-35.1
Other	27.5	27.2	32.5	36.8	35.1	35.2	37.7	39.5	38.8	13.4	36.7	33.5
Chronic liver disease and cirrhosis	26.1	29.0	28.9	31.8	25.0	25.3	29.7	29.1	30.2	34.3	35.0	34.2
Chronic lower respiratory diseases	23.7	21.9	21.4	26.8	22.7	21.8	24.7	21.5	20.0	23.6	25.1	5.7
ALL CAUSES	654.8	653.7	649.1	673.1	614.6	582.8	591.8	590.0	587.2	595.0	607.6	-7.2
(Number of all deaths)	(7474)	(7675)	(7928)	(8524)	(8618)	(8629)	(8899)	(8855)	(9212)	(9398)	(9630)	28.8

Notes: <sup>a</sup> Rates are presented per 100,000 middle-aged adults 45-64 years old; <sup>b</sup> The five causes with the greatest number of deaths over the 2002-2012 period; <sup>c</sup> Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information; 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 2002-2012 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**.