

**TABLE 2C-20**  
**MORTALITY RATES<sup>a</sup> FOR THE SELECTED FIVE LEADING CAUSES<sup>b</sup> OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)**  
**IN URBAN AND RURAL AREAS<sup>c</sup>, ARIZONA, 2006-2016**

Area/Cause	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	% change from 2006
<b>URBAN</b>												
Malignant neoplasms	174.8	169.6	162.8	165.4	164.6	166.5	171.8	169.1	153.8	164.8	162.1	-7.3
Diseases of heart	119.9	109.4	109.8	101.3	98.6	103.9	95.9	96.5	89.5	100.3	106.3	-11.4
Accidents (unintentional injuries)	54.2	47.8	51.6	48.8	47.5	45.4	47.6	51.5	47.3	50.2	61.3	13.0
Other	34.5	34.1	36.8	37.3	36.5	12.4	35.7	38.5	36.7	37.8	45.3	31.3
Motor vehicle accidents	19.7	13.7	14.8	11.5	11.1	11.9	11.9	13.0	10.6	12.4	16.0	-19.0
Chronic liver disease and cirrhosis	23.3	23.0	27.4	25.7	27.2	30.8	31.5	29.9	31.5	32.6	30.3	29.9
Chronic lower respiratory diseases	22.3	20.5	23.6	20.2	19.2	20.6	22.9	22.6	23.4	25.0	25.9	16.0
ALL CAUSES	595.0	559.7	559.5	559.4	552.4	561.5	575.8	579.8	584.2	596.5	613.0	3.0
(Number of all deaths)	(6,834)	(6,812)	(6,918)	(6,979)	(7,098)	(7,274)	(7,513)	(7,631)	(7,855)	(8,128)	(8,485)	24.2
<b>RURAL</b>												
Malignant neoplasms	197.0	188.3	188.1	176.9	193.1	186.3	187.8	204.7	175.4	196.4	184.3	-6.4
Diseases of heart	148.1	149.6	156.0	164.3	137.4	143.7	152.5	142.2	133.3	163.5	159.6	7.7
Accidents (unintentional injuries)	74.9	65.3	68.1	71.4	66.2	67.6	55.3	75.8	73.3	72.6	83.8	11.9
Other	37.9	38.7	40.8	46.6	42.6	16.5	36.4	51.7	52.8	46.6	58.3	53.8
Motor vehicle accidents	37.0	26.6	27.3	24.8	23.6	22.5	18.9	24.1	20.5	26.0	25.5	-31.1
Chronic liver disease and cirrhosis	32.3	36.1	39.6	43.3	41.9	49.3	47.5	57.1	41.7	59.2	61.9	91.7
Chronic lower respiratory diseases	24.8	28.1	29.5	27.4	22.2	36.3	33.2	32.3	34.1	33.9	37.9	52.8
ALL CAUSES	702.9	687.3	727.8	713.2	708.3	716.6	720.2	786.8	751.4	821.2	808.3	15.0
(Number of all deaths)	(1,784)	(1,810)	(1,946)	(1,927)	(2,010)	(2,035)	(2,017)	(2,191)	(2,091)	(2,275)	(2,219)	24.4
<b>TOTAL</b>												
Malignant neoplasms	178.8	173.0	167.6	167.9	170.6	171.2	175.2	175.6	157.9	170.6	167.0	-6.6
Diseases of heart	125.0	116.6	118.2	112.9	106.7	112.0	106.5	105.5	97.4	112.2	116.9	-6.5
Accidents (unintentional injuries)	57.9	51.2	54.9	53.6	52.4	50.3	50.0	57.4	53.0	55.7	68.5	18.4
Other	35.1	35.2	37.7	39.5	38.8	13.4	36.7	41.8	40.4	40.8	50.3	43.4
Motor vehicle accidents	22.8	16.0	17.2	14.0	13.6	14.1	13.3	15.6	12.6	14.9	18.2	-20.1
Chronic liver disease and cirrhosis	25.0	25.3	29.7	29.1	30.2	34.3	35.0	34.7	33.6	37.7	36.3	45.2
Chronic lower respiratory diseases	22.7	21.8	24.7	21.5	20.0	23.6	25.1	24.7	25.4	26.6	28.2	24.3
ALL CAUSES	614.6	582.8	591.8	590.0	587.2	595.0	607.6	620.7	617.7	641.0	657.8	7.0
(Number of all deaths)	(8,618)	(8,629)	(8,899)	(8,855)	(9,212)	(9,398)	(9,630)	(9,898)	(10,025)	(10,510)	(10,911)	26.6

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 2006-2016 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 2006-2016 are classified by ICD-10; measures of 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**.