

TABLE 2C-20
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)
IN URBAN AND RURAL AREAS^c, ARIZONA, 2008-2018

Area/Cause	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	% change from 2008
URBAN												
Malignant neoplasms	162.8	165.4	164.6	166.5	171.8	169.1	153.8	164.8	162.1	156.3	156.4	-3.9
Diseases of heart	109.8	101.3	98.6	103.9	95.9	96.5	89.5	100.3	106.3	101.7	100.2	-8.7
Accidents (unintentional injuries)	51.6	48.8	47.5	45.4	47.6	51.5	47.3	50.2	61.3	61.3	60.0	16.3
Other	36.8	37.3	36.5	12.4	35.7	38.5	36.7	37.8	45.3	46.6	46.0	25.0
Motor vehicle accidents	14.8	11.5	11.1	11.9	11.9	13.0	10.6	12.4	16.0	14.7	14.0	-5.4
Chronic liver disease and cirrhosis	27.4	25.7	27.2	30.8	31.5	29.9	31.5	32.6	30.3	30.1	29.9	9.1
Chronic lower respiratory diseases	23.6	20.2	19.2	20.6	22.9	22.6	23.4	25.0	25.9	24.0	24.4	3.4
ALL CAUSES	559.5	559.4	552.4	561.5	575.8	579.8	584.2	596.5	613.0	583.1	595.1	6.4
(Number of all deaths)	(6,918)	(6,979)	(7,098)	(7,274)	(7,513)	(7,631)	(7,855)	(8,128)	(8,485)	(8,223)	(8,527)	23.3
RURAL												
Malignant neoplasms	188.1	176.9	193.1	186.3	187.8	204.7	175.4	196.4	184.3	182.9	186.2	-1.0
Diseases of heart	156.0	164.3	137.4	143.7	152.5	142.2	133.3	163.5	159.6	140.1	162.6	4.2
Accidents (unintentional injuries)	68.1	71.4	66.2	67.6	55.3	75.8	73.3	72.6	83.8	91.5	86.9	27.6
Other	40.8	46.6	42.6	16.5	36.4	51.7	52.8	46.6	58.3	64.2	55.6	36.3
Motor vehicle accidents	27.3	24.8	23.6	22.5	18.9	24.1	20.5	26.0	25.5	27.2	31.3	14.6
Chronic liver disease and cirrhosis	39.6	43.3	41.9	49.3	47.5	57.1	41.7	59.2	61.9	56.6	53.5	35.1
Chronic lower respiratory diseases	29.5	27.4	22.2	36.3	33.2	32.3	34.1	33.9	37.9	41.7	49.1	66.4
ALL CAUSES	727.8	713.2	708.3	716.6	720.2	786.8	751.4	821.2	808.3	781.1	842.7	15.8
(Number of all deaths)	(1,946)	(1,927)	(2,010)	(2,035)	(2,017)	(2,191)	(2,091)	(2,275)	(2,219)	(2,152)	(2,317)	19.1
TOTAL												
Malignant neoplasms	167.6	167.9	170.6	171.2	175.2	175.6	157.9	170.6	167.0	161.8	161.6	-3.6
Diseases of heart	118.2	112.9	106.7	112.0	106.5	105.5	97.4	112.2	116.9	109.9	111.2	-5.9
Accidents (unintentional injuries)	54.9	53.6	52.4	50.3	50.0	57.4	53.0	55.7	68.5	69.7	65.6	19.5
Other	37.7	39.5	38.8	13.4	36.7	41.8	40.4	40.8	50.3	52.5	48.5	28.6
Motor vehicle accidents	17.2	14.0	13.6	14.1	13.3	15.6	12.6	14.9	18.2	17.2	17.1	-0.6
Chronic liver disease and cirrhosis	29.7	29.1	30.2	34.3	35.0	34.7	33.6	37.7	36.3	35.1	34.0	14.5
Chronic lower respiratory diseases	24.7	21.5	20.0	23.6	25.1	24.7	25.4	26.6	28.2	27.3	28.4	15.0
ALL CAUSES	591.8	590.0	587.2	595.0	607.6	620.7	617.7	641.0	657.8	626.8	639.4	8.0
(Number of all deaths)	(8,899)	(8,855)	(9,212)	(9,398)	(9,630)	(9,898)	(10,025)	(10,510)	(10,911)	(10,567)	(10,920)	22.7

Notes: ^a Rates are presented per 100,000 middle-aged adults 45-64 years old; ^b The five causes with the greatest number of deaths over the 2008-2018 period; ^c 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 2008-2018 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**.