

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, 2011-2021

Area/Cause	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% change from 2011
URBAN												
Malignant neoplasms	166.5	171.8	169.1	153.8	164.8	162.1	156.3	156.4	153.7	150.9	151.6	-8.9
Diseases of heart	103.9	95.9	96.5	89.5	100.3	106.3	101.7	100.2	103.9	115.5	114.0	9.7
Accidents (unintentional injuries)	45.4	47.6	51.5	47.3	50.2	61.3	61.3	60.0	66.1	82.0	86.4	90.3
Other	12.4	35.7	38.5	36.7	37.8	45.3	46.6	46.0	52.4	65.7	67.0	440.3
Motor vehicle accidents	11.9	11.9	13.0	10.6	12.4	16.0	14.7	14.0	13.6	16.3	19.4	63.0
Chronic liver disease and cirrhosis	30.8	31.5	29.9	31.5	32.6	30.3	30.1	29.9	28.5	33.8	40.0	29.9
Chronic lower respiratory diseases	20.6	22.9	22.6	23.4	25.0	25.9	24.0	24.4	21.0	22.1	18.1	-12.1
ALL CAUSES	561.5	575.8	579.8	584.2	596.5	613.0	583.1	595.1	586.3	759.7	862.3	53.6
(Number of all deaths)	(7,274)	(7,513)	(7,631)	(7,855)	(8,128)	(8,485)	(8,223)	(8,527)	(8,485)	(10,988)	(12,602)	73.2
RURAL												
Diseases of heart	143.7	152.5	142.2	133.3	163.5	159.6	140.1	162.6	139.1	176.9	175.9	22.4
Malignant neoplasms	186.3	187.8	204.7	175.4	196.4	184.3	182.9	186.2	196.3	182.9	175.5	-5.8
Accidents (unintentional injuries)	67.6	55.3	75.8	73.3	72.6	83.8	91.5	86.9	94.1	100.0	122.7	81.5
Other	16.5	36.4	51.7	52.8	46.6	58.3	64.2	55.6	71.4	78.0	85.3	417.0
Motor vehicle accidents	22.5	18.9	24.1	20.5	26.0	25.5	27.2	31.3	22.7	22.1	37.5	66.7
Chronic liver disease and cirrhosis	49.3	47.5	57.1	41.7	59.2	61.9	56.6	53.5	59.7	71.9	102.5	107.9
Chronic lower respiratory diseases	36.3	33.2	32.3	34.1	33.9	37.9	41.7	49.1	35.5	44.5	35.6	-1.9
ALL CAUSES	716.6	720.2	786.8	751.4	821.2	808.3	781.1	842.7	839.6	1111.4	1281.7	78.9
(Number of all deaths)	(2,035)	(2,017)	(2,191)	(2,091)	(2,275)	(2,219)	(2,152)	(2,317)	(2,293)	(2,922)	(3,352)	64.7
TOTAL												
Malignant neoplasms	171.2	175.2	175.6	157.9	170.6	167.0	161.8	161.6	160.9	156.1	155.9	-8.9
Diseases of heart	112.0	106.5	105.5	97.4	112.2	116.9	109.9	111.2	110.0	125.5	124.2	10.9
Accidents (unintentional injuries)	50.3	50.0	57.4	53.0	55.7	68.5	69.7	65.6	71.3	86.3	93.6	86.1
Other	13.4	36.7	41.8	40.4	40.8	50.3	52.5	48.5	56.1	68.6	71.0	429.9
Motor vehicle accidents	14.1	13.3	15.6	12.6	14.9	18.2	17.2	17.1	15.2	17.7	22.6	60.3
Chronic liver disease and cirrhosis	34.3	35.0	34.7	33.6	37.7	36.3	35.1	34.0	33.6	40.0	49.7	44.9
Chronic lower respiratory diseases	23.6	25.1	24.7	25.4	26.6	28.2	27.3	28.4	23.5	25.8	20.8	-11.9
ALL CAUSES	595.0	607.6	620.7	617.7	641.0	657.8	626.8	639.4	629.7	819.2	932.1	56.7
(Number of all deaths)	(9,398)	(9,630)	(9,898)	(10,025)	(10,510)	(10,911)	(10,567)	(10,920)	(10,834)	(14,003)	(16,060)	70.9

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 2011-2021 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 2011-2021 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**; although COVID-19 was among the 5 leading causes of death, it has been excluded in this table because the ICD-10 definition had not been identified until 2020, thus there is no data for years 2011-2019 and making it impossible to show a trend and a percent change.