

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, 2013-2023

Area/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
URBAN												
Malignant neoplasms	169.1	153.8	164.8	162.1	156.3	156.4	153.7	150.9	151.6	147.1	132.6	-21.6
Diseases of heart	96.5	89.5	100.3	106.3	101.7	100.2	103.9	115.5	114.0	113.6	100.8	4.5
Accidents (unintentional injuries)	51.5	47.3	50.2	61.3	61.3	60.0	66.1	82.0	86.4	87.2	86.4	67.8
Other	38.5	36.7	37.8	45.3	46.6	46.0	52.4	65.7	67.0	68.7	68.6	78.2
Motor vehicle accidents	13.0	10.6	12.4	16.0	14.7	14.0	13.6	16.3	19.4	18.5	17.8	36.9
Chronic liver disease and cirrhosis	29.9	31.5	32.6	30.3	30.1	29.9	28.5	33.8	40.0	30.5	30.3	1.3
Chronic lower respiratory diseases	22.6	23.4	25.0	25.9	24.0	24.4	21.0	22.1	18.1	20.6	16.4	-27.4
ALL CAUSES	579.8	584.2	596.5	613.0	583.1	595.1	586.3	759.7	862.3	691.2	597.8	3.1
(Number of all deaths)	(7,631)	(7,855)	(8,128)	(8,485)	(8,223)	(8,527)	(8,485)	(10,988)	(12,602)	(10,282)	(9,039)	18.5
RURAL												
Malignant neoplasms	204.7	175.4	196.4	184.3	182.9	186.2	196.3	182.9	175.5	181.6	169.9	-17.0
Diseases of heart	142.2	133.3	163.5	159.6	140.1	162.6	139.1	176.9	175.9	165.7	158.7	11.6
Accidents (unintentional injuries)	75.8	73.3	72.6	83.8	91.5	86.9	94.1	100.0	122.7	123.4	115.0	51.7
Other	51.7	52.8	46.6	58.3	64.2	55.6	71.4	78.0	85.3	90.6	83.7	61.9
Motor vehicle accidents	24.1	20.5	26.0	25.5	27.2	31.3	22.7	22.1	37.5	32.8	31.4	30.3
Chronic liver disease and cirrhosis	57.1	41.7	59.2	61.9	56.6	53.5	59.7	71.9	102.5	69.8	62.4	9.3
Chronic lower respiratory diseases	32.3	34.1	33.9	37.9	41.7	49.1	35.5	44.5	35.6	34.0	34.4	6.5
ALL CAUSES	786.8	751.4	821.2	808.3	781.1	842.7	839.6	1111.4	1281.7	1025.3	883.0	12.2
(Number of all deaths)	(2,191)	(2,091)	(2,275)	(2,219)	(2,152)	(2,317)	(2,293)	(2,922)	(3,352)	(2,716)	(2,364)	7.9
TOTAL												
Malignant neoplasms	175.6	157.9	170.6	167.0	161.8	161.6	160.9	156.1	155.9	152.6	138.6	-21.1
Diseases of heart	105.5	97.4	112.2	116.9	109.9	111.2	110.0	125.5	124.2	122.6	110.0	4.3
Accidents (unintentional injuries)	57.4	53.0	55.7	68.5	69.7	65.6	71.3	86.3	93.6	95.0	92.8	61.7
Other	41.8	40.4	40.8	50.3	52.5	48.5	56.1	68.6	71.0	73.7	72.6	73.7
Motor vehicle accidents	15.6	12.6	14.9	18.2	17.2	17.1	15.2	17.7	22.6	21.3	20.2	29.5
Chronic liver disease and cirrhosis	34.7	33.6	37.7	36.3	35.1	34.0	33.6	40.0	49.7	36.7	35.3	1.7
Chronic lower respiratory diseases	24.7	25.4	26.6	28.2	27.3	28.4	23.5	25.8	20.8	22.8	19.2	-22.3
ALL CAUSES	620.7	617.7	641.0	657.8	626.8	639.4	629.7	819.2	932.1	747.3	645.9	4.1
(Number of all deaths)	(9,898)	(10,025)	(10,510)	(10,911)	(10,567)	(10,920)	(10,834)	(14,003)	(16,060)	(13,095)	(11,496)	16.1

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 2013-2023 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 2013-2023 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 2013-2019 and making it impossible to show a trend and a percent change.