

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, 2012-2022

Area/Cause	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	% change from 2012
URBAN												
Malignant neoplasms	171.8	169.1	153.8	164.8	162.1	156.3	156.4	153.7	150.9	151.6	147.1	-14.4
Diseases of heart	95.9	96.5	89.5	100.3	106.3	101.7	100.2	103.9	115.5	114.0	113.6	18.5
Accidents (unintentional injuries)	47.6	51.5	47.3	50.2	61.3	61.3	60.0	66.1	82.0	86.4	87.2	83.2
Other	35.7	38.5	36.7	37.8	45.3	46.6	46.0	52.4	65.7	67.0	68.7	92.4
Motor vehicle accidents	11.9	13.0	10.6	12.4	16.0	14.7	14.0	13.6	16.3	19.4	18.5	55.5
Chronic liver disease and cirrhosis	31.5	29.9	31.5	32.6	30.3	30.1	29.9	28.5	33.8	40.0	30.5	-3.2
Chronic lower respiratory diseases	22.9	22.6	23.4	25.0	25.9	24.0	24.4	21.0	22.1	18.1	20.6	-10.0
ALL CAUSES	575.8	579.8	584.2	596.5	613.0	583.1	595.1	586.3	759.7	862.3	691.2	20.0
(Number of all deaths)	(7,513)	(7,631)	(7,855)	(8,128)	(8,485)	(8,223)	(8,527)	(8,485)	(10,988)	(12,602)	(10,282)	36.9
RURAL												
Malignant neoplasms	187.8	204.7	175.4	196.4	184.3	182.9	186.2	196.3	182.9	175.5	181.6	-3.3
Diseases of heart	152.5	142.2	133.3	163.5	159.6	140.1	162.6	139.1	176.9	175.9	165.7	8.7
Accidents (unintentional injuries)	55.3	75.8	73.3	72.6	83.8	91.5	86.9	94.1	100.0	122.7	123.4	123.1
Other	36.4	51.7	52.8	46.6	58.3	64.2	55.6	71.4	78.0	85.3	90.6	148.9
Motor vehicle accidents	18.9	24.1	20.5	26.0	25.5	27.2	31.3	22.7	22.1	37.5	32.8	73.5
Chronic liver disease and cirrhosis	47.5	57.1	41.7	59.2	61.9	56.6	53.5	59.7	71.9	102.5	69.8	46.9
Chronic lower respiratory diseases	33.2	32.3	34.1	33.9	37.9	41.7	49.1	35.5	44.5	35.6	34.0	2.4
ALL CAUSES	720.2	786.8	751.4	821.2	808.3	781.1	842.7	839.6	1111.4	1281.7	1025.3	42.4
(Number of all deaths)	(2,017)	(2,191)	(2,091)	(2,275)	(2,219)	(2,152)	(2,317)	(2,293)	(2,922)	(3,352)	(2,716)	34.7
TOTAL												
Malignant neoplasms	175.2	175.6	157.9	170.6	167.0	161.8	161.6	160.9	156.1	155.9	152.6	-12.9
Diseases of heart	106.5	105.5	97.4	112.2	116.9	109.9	111.2	110.0	125.5	124.2	122.6	15.1
Accidents (unintentional injuries)	50.0	57.4	53.0	55.7	68.5	69.7	65.6	71.3	86.3	93.6	95.0	90.0
Other	36.7	41.8	40.4	40.8	50.3	52.5	48.5	56.1	68.6	71.0	73.7	100.8
Motor vehicle accidents	13.3	15.6	12.6	14.9	18.2	17.2	17.1	15.2	17.7	22.6	21.3	60.2
Chronic liver disease and cirrhosis	35.0	34.7	33.6	37.7	36.3	35.1	34.0	33.6	40.0	49.7	36.7	4.9
Chronic lower respiratory diseases	25.1	24.7	25.4	26.6	28.2	27.3	28.4	23.5	25.8	20.8	22.8	-9.2
ALL CAUSES	607.6	620.7	617.7	641.0	657.8	626.8	639.4	629.7	819.2	932.1	747.3	23.0
(Number of all deaths)	(9,630)	(9,898)	(10,025)	(10,510)	(10,911)	(10,567)	(10,920)	(10,834)	(14,003)	(16,060)	(13,095)	36.0

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 2012-2022 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 2012-2022 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 2012-2019 and making it impossible to show a trend and a percent change.