

TABLE 2C-19
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)
BY GENDER, ARIZONA, 2013-2023

Gender/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
MALE												
Diseases of heart	159.3	143.2	166.6	170.1	164.7	162.5	160.8	186.3	182.9	182.4	161.5	1.4
Malignant neoplasms	191.4	171.5	186.4	184.1	180.7	177.8	175.1	164.9	158.7	156.3	143.8	-24.9
Accidents (unintentional injuries)	77.9	73.5	76.8	100.4	98.8	95.5	105.7	128.1	137.6	148.0	141.5	81.6
Other	54.5	54.0	54.5	71.5	72.1	70.5	82.6	101.0	103.6	116.1	109.7	101.3
Motor vehicle accidents	23.3	19.4	22.3	28.9	26.8	25.0	23.1	27.1	34.0	31.9	31.9	36.9
Chronic liver disease and cirrhosis	46.7	43.1	48.1	47.8	45.5	45.7	43.8	49.7	61.8	46.5	42.0	-10.1
Intentional self-harm (suicide)	38.3	37.7	40.3	41.2	37.4	43.3	39.7	38.7	38.0	44.1	36.2	-5.5
ALL CAUSES	784.8	775.3	809.1	841.8	802.8	824.4	801.5	1052.8	1184.8	963.2	832.5	6.1
(Number of all deaths)	(6,088)	(6,111)	(6,444)	(6,781)	(6,570)	(6,839)	(6,702)	(8,755)	(9,935)	(8,215)	(7,211)	18.4
FEMALE												
Malignant neoplasms	160.7	145.0	155.6	150.9	143.9	146.3	147.5	147.9	153.3	149.1	133.7	-16.8
Diseases of heart	54.6	54.0	60.8	66.7	58.2	62.7	61.9	68.0	68.5	65.8	61.1	11.9
Accidents (unintentional injuries)	38.0	33.7	35.8	38.4	42.2	37.3	38.7	46.7	51.8	44.7	46.6	22.6
Other	29.8	27.4	27.9	30.4	18.6	27.7	31.0	37.8	40.0	33.5	37.5	25.8
Motor vehicle accidents	8.2	6.2	7.9	8.1	8.2	9.7	7.7	8.9	11.8	11.2	9.1	11.0
Chronic liver disease and cirrhosis	23.3	24.7	27.9	25.4	25.2	22.9	24.0	30.8	38.2	27.3	28.9	24.0
Diabetes	23.6	22.8	27.4	24.6	22.6	22.1	23.4	30.2	29.6	24.7	22.0	-6.8
ALL CAUSES	465.2	468.9	482.3	484.1	460.8	464.7	467.3	597.9	692.5	542.5	469.0	0.8
(Number of all deaths)	(3,810)	(3,914)	(4,066)	(4,130)	(3,997)	(4,081)	(4,132)	(5,238)	(6,125)	(4,880)	(4,285)	12.5
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; 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.