

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, 2012-2022

Gender/Cause	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	% change from 2012
MALE												
Diseases of heart	155.1	159.3	143.2	166.6	170.1	164.7	162.5	160.8	186.3	182.9	182.4	17.6
Malignant neoplasms	196.6	191.4	171.5	186.4	184.1	180.7	177.8	175.1	164.9	158.7	156.3	-20.5
Accidents (unintentional injuries)	68.0	77.9	73.5	76.8	100.4	98.8	95.5	105.7	128.1	137.6	148.0	117.6
Other	47.9	54.5	54.0	54.5	71.5	72.1	70.5	82.6	101.0	103.6	116.1	142.4
Motor vehicle accidents	20.1	23.3	19.4	22.3	28.9	26.8	25.0	23.1	27.1	34.0	31.9	58.7
Chronic liver disease and cirrhosis	50.2	46.7	43.1	48.1	47.8	45.5	45.7	43.8	49.7	61.8	46.5	-7.4
Intentional self-harm (suicide)	41.8	38.3	37.7	40.3	41.2	37.4	43.3	39.7	38.7	38.0	44.1	5.5
ALL CAUSES	778.8	784.8	775.3	809.1	841.8	802.8	824.4	801.5	1052.8	1184.8	963.2	23.7
(Number of all deaths)	(5,999)	(6,088)	(6,111)	(6,444)	(6,781)	(6,570)	(6,839)	(6,702)	(8,755)	(9,935)	(8,215)	36.9
FEMALE												
Malignant neoplasms	155.1	160.7	145.0	155.6	150.9	143.9	146.3	147.5	147.9	153.3	149.1	-3.9
Diseases of heart	60.5	54.6	54.0	60.8	66.7	58.2	62.7	61.9	68.0	68.5	65.8	8.8
Accidents (unintentional injuries)	33.0	38.0	33.7	35.8	38.4	42.2	37.3	38.7	46.7	51.8	44.7	35.5
Other	26.1	29.8	27.4	27.9	30.4	18.6	27.7	31.0	37.8	40.0	33.5	28.4
Motor vehicle accidents	6.9	8.2	6.2	7.9	8.1	8.2	9.7	7.7	8.9	11.8	11.2	62.3
Diabetes	22.3	23.6	22.8	27.4	24.6	22.6	22.1	23.4	30.2	29.6	24.7	10.8
Chronic lower respiratory diseases	24.2	24.8	24.8	23.0	25.8	26.4	27.6	21.3	24.0	21.9	24.3	0.4
ALL CAUSES	445.8	465.2	468.9	482.3	484.1	460.8	464.7	467.3	597.9	692.5	542.5	21.7
(Number of all deaths)	(3,631)	(3,810)	(3,914)	(4,066)	(4,130)	(3,997)	(4,081)	(4,132)	(5,238)	(6,125)	(4,880)	34.4
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; 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.