

**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, 2010-2020**

Gender/Cause	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	% change from 2010
MALE												
Diseases of heart	160.7	165.3	155.1	159.3	143.2	166.6	170.1	164.7	162.5	160.8	186.3	15.9
Malignant neoplasms	188.3	186.3	196.6	191.4	171.5	186.4	184.1	180.7	177.8	175.1	164.9	-12.4
Accidents (unintentional injuries)	69.2	68.9	68.0	77.9	73.5	76.8	100.4	98.8	95.5	105.7	128.1	85.1
Other	54.6	19.8	47.9	54.5	54.0	54.5	71.5	72.1	70.5	82.6	101.0	85.0
Motor vehicle accidents	19.9	21.4	20.1	23.3	19.4	22.3	28.9	26.8	25.0	23.1	27.1	36.2
Chronic liver disease and cirrhosis	42.1	49.6	50.2	46.7	43.1	48.1	47.8	45.5	45.7	43.8	49.7	18.1
Intentional self-harm (suicide)	40.9	41.3	41.8	38.3	37.7	40.3	41.2	37.4	43.3	39.7	38.7	-5.4
ALL CAUSES	744.1	752.2	778.8	784.8	775.3	809.1	841.8	802.8	824.4	801.5	1052.8	41.5
(Number of all deaths)	(5,659)	(5,760)	(5,999)	(6,088)	(6,111)	(6,444)	(6,781)	(6,570)	(6,839)	(6,702)	(8,755)	54.7
FEMALE												
Malignant neoplasms	153.9	156.9	155.1	160.7	145.0	155.6	150.9	143.9	146.3	147.5	147.9	-3.9
Diseases of heart	55.9	61.8	60.5	54.6	54.0	60.8	66.7	58.2	62.7	61.9	68.0	21.6
Accidents (unintentional injuries)	36.6	32.8	33.0	38.0	33.7	35.8	38.4	42.2	37.3	38.7	46.7	27.6
Other	29.0	7.4	26.1	29.8	27.4	27.9	30.4	18.6	27.7	31.0	37.8	30.3
Motor vehicle accidents	7.7	7.1	6.9	8.2	6.2	7.9	8.1	8.2	9.7	7.7	8.9	15.6
Diabetes	17.0	21.3	22.3	23.6	22.8	27.4	24.6	22.6	22.1	23.4	30.2	77.6
Chronic lower respiratory diseases	19.3	21.6	24.2	24.8	24.8	23.0	25.8	26.4	27.6	21.3	24.0	24.4
ALL CAUSES	439.6	447.1	445.8	465.2	468.9	482.3	484.1	460.8	464.7	467.3	597.9	36.0
(Number of all deaths)	(3,553)	(3,638)	(3,631)	(3,810)	(3,914)	(4,066)	(4,130)	(3,997)	(4,081)	(4,132)	(5,248)	47.4
TOTAL												
Malignant neoplasms	170.6	171.2	175.2	175.6	157.9	170.6	167.0	161.8	161.6	160.9	156.1	-8.5
Diseases of heart	106.7	112.0	106.5	105.5	97.4	112.2	116.9	109.9	111.2	110.0	125.5	17.6
Accidents (unintentional injuries)	52.4	50.3	50.0	57.4	53.0	55.7	68.5	69.7	65.6	71.3	86.3	64.7
Other	38.8	13.4	36.7	41.8	40.4	40.8	50.3	52.5	48.5	56.1	68.6	76.8
Motor vehicle accidents	13.6	14.1	13.3	15.6	12.6	14.9	18.2	17.2	17.1	15.2	17.7	30.1
Chronic liver disease and cirrhosis	30.2	34.3	35.0	34.7	33.6	37.7	36.3	35.1	34.0	33.6	40.0	32.5
Chronic lower respiratory diseases	20.0	23.6	25.1	24.7	25.4	26.6	28.2	27.3	28.4	23.5	25.8	29.0
ALL CAUSES	587.2	595.0	607.6	620.7	617.7	641.0	657.8	626.8	639.4	629.7	819.2	39.5
(Number of all deaths)	(9,212)	(9,398)	(9,630)	(9,898)	(10,025)	(10,510)	(10,911)	(10,567)	(10,920)	(10,834)	(14,003)	52.0

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 2010-2020 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 2010-2020 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 2010-2019 and making it impossible to show a trend and a percent change.