

**TABLE 2C-16
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG YOUNG ADULTS (20-44 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												
Accidents (unintentional injuries)	32.3	35.4	33.8	40.1	43.9	49.0	55.2	60.6	82.6	89.0	78.8	144.0
Other	20.2	23.9	22.7	25.4	28.9	34.3	39.5	46.1	65.9	67.7	59.0	192.1
Motor vehicle accidents	12.1	11.5	11.1	14.7	15.1	14.8	15.7	14.5	16.7	21.3	19.8	63.6
Intentional self-harm (suicide)	17.0	18.3	16.8	19.0	18.4	19.7	20.6	21.3	20.5	22.2	21.4	25.9
Assault (homicide)	9.5	9.4	8.1	9.6	10.7	11.3	11.1	9.8	12.1	14.3	14.4	51.6
Malignant neoplasms	14.1	15.3	12.7	13.1	13.5	13.0	13.5	12.6	13.7	14.6	14.2	0.7
Diseases of heart	9.5	9.3	9.7	10.1	8.3	10.3	9.2	10.1	13.3	12.1	10.5	10.5
ALL CAUSES	118.8	130.1	126.2	131.9	137.1	140.7	148.0	156.5	206.2	237.6	195.7	64.7
(Number of all deaths)	(2,215)	(2,451)	(2,422)	(2,557)	(2,676)	(2,783)	(2,986)	(3,224)	(4,270)	(5,007)	(4,198)	89.5
RURAL												
Accidents (unintentional injuries)	74.4	74.9	61.2	78.6	77.9	75.3	81.3	80.9	116.3	129.0	128.5	72.7
Other	42.7	50.8	39.6	47.9	51.3	39.4	48.5	52.8	81.6	83.0	85.0	99.1
Motor vehicle accidents	31.7	24.2	21.7	30.8	26.7	36.0	32.8	28.1	34.7	46.0	43.5	37.2
Intentional self-harm (suicide)	32.4	33.6	32.3	32.1	33.5	40.1	43.5	35.0	42.5	54.1	56.8	75.3
Malignant neoplasms	19.0	15.4	11.4	13.3	16.7	13.6	12.4	16.2	12.6	18.1	17.9	-5.8
Assault (homicide)	14.8	13.0	7.2	10.6	10.6	10.9	10.4	7.9	16.7	14.4	17.9	20.9
Diseases of heart	14.5	14.0	14.4	13.0	10.3	14.3	14.0	12.5	13.6	15.5	13.0	-10.3
ALL CAUSES	233.4	226.5	207.1	224.7	240.9	236.6	238.1	237.7	361.3	422.1	378.9	62.3
(Number of all deaths)	(662)	(647)	(602)	(657)	(705)	(697)	(712)	(720)	(1,063)	(1,256)	(1,141)	72.4
TOTAL												
Accidents (unintentional injuries)	38.2	41.0	38.2	46.1	49.4	53.6	59.0	64.0	87.7	95.1	86.6	126.7
Other	23.3	27.7	25.6	29.0	32.6	36.0	40.9	47.3	68.7	70.4	63.7	173.4
Motor vehicle accidents	14.9	13.3	12.6	17.1	16.8	17.6	18.1	16.7	19.1	24.7	22.9	53.7
Intentional self-harm (suicide)	19.1	20.5	19.1	20.9	20.6	22.6	23.6	23.1	23.3	26.4	26.0	36.1
Assault (homicide)	10.3	9.9	8.2	10.0	11.0	11.8	11.0	9.7	12.7	14.4	15.0	45.6
Malignant neoplasms	14.9	15.3	12.6	13.2	13.9	13.2	13.5	13.0	13.5	15.1	14.7	-1.3
Diseases of heart	10.3	10.0	10.4	10.5	8.6	10.9	9.9	10.6	13.4	12.6	11.0	6.8
ALL CAUSES	135.0	143.5	138.6	146.6	153.3	155.9	160.9	168.2	227.3	262.6	221.9	64.4
(Number of all deaths)	(2,900)	(3,115)	(3,062)	(3,271)	(3,441)	(3,544)	(3,727)	(3,973)	(5,377)	(6,316)	(5,427)	87.1

Notes: ^a Rates are presented per 100,000 young adults 20-44 years old; ^b The five causes with the greatest number of deaths statewide 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, replacing the Ninth Revision (ICD-9); 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.