

**TABLE 2C-16  
MORTALITY RATES<sup>a</sup> FOR THE SELECTED FIVE LEADING CAUSES<sup>b</sup> OF DEATH AMONG YOUNG ADULTS (20-44 YEARS)  
IN URBAN AND RURAL AREAS<sup>c</sup>, ARIZONA, 2011-2021**

| Area/Cause                         | 2011    | 2012    | 2013    | 2014    | 2015    | 2016    | 2017    | 2018    | 2019    | 2020    | 2021    | % change from 2011 |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------|
| <b>URBAN</b>                       |         |         |         |         |         |         |         |         |         |         |         |                    |
| Accidents (unintentional injuries) | 36.6    | 32.2    | 35.4    | 33.8    | 40.1    | 43.9    | 49.0    | 55.2    | 60.6    | 82.6    | 89.0    | 143.2              |
| Other                              | 4.3     | 20.2    | 23.9    | 22.7    | 25.4    | 28.9    | 34.3    | 39.5    | 46.1    | 65.9    | 67.7    | 1474.4             |
| Motor vehicle accidents            | 12.4    | 12.1    | 11.5    | 11.1    | 14.7    | 15.1    | 14.8    | 15.7    | 14.5    | 16.7    | 21.3    | 71.8               |
| Intentional self-harm (suicide)    | 18.1    | 17.0    | 18.3    | 16.8    | 19.0    | 18.4    | 19.7    | 20.6    | 21.3    | 20.5    | 22.2    | 22.7               |
| Malignant neoplasms                | 13.5    | 14.1    | 15.3    | 12.7    | 13.1    | 13.5    | 13.0    | 13.5    | 12.6    | 13.7    | 14.6    | 8.1                |
| Assault (homicide)                 | 10.0    | 9.5     | 9.4     | 8.1     | 9.6     | 10.7    | 11.3    | 11.1    | 9.8     | 12.1    | 14.3    | 43.0               |
| Diseases of heart                  | 9.6     | 9.5     | 9.3     | 9.7     | 10.1    | 8.3     | 10.3    | 9.2     | 10.1    | 13.3    | 12.1    | 26.0               |
| ALL CAUSES                         | 120.3   | 118.8   | 130.1   | 126.2   | 131.9   | 137.1   | 140.7   | 148.0   | 156.5   | 206.2   | 237.6   | 97.5               |
| (Number of all deaths)             | (2,232) | (2,215) | (2,451) | (2,422) | (2,557) | (2,676) | (2,783) | (2,986) | (3,224) | (4,270) | (5,007) | 124.3              |
| <b>RURAL</b>                       |         |         |         |         |         |         |         |         |         |         |         |                    |
| Accidents (unintentional injuries) | 71.9    | 74.4    | 74.9    | 61.2    | 78.6    | 77.9    | 75.3    | 81.3    | 80.9    | 116.3   | 129.0   | 79.4               |
| Other                              | 10.3    | 42.7    | 50.8    | 39.6    | 47.9    | 51.3    | 39.4    | 48.5    | 52.8    | 81.6    | 83.0    | 705.8              |
| Motor vehicle accidents            | 33.0    | 31.7    | 24.2    | 21.7    | 30.8    | 26.7    | 36.0    | 32.8    | 28.1    | 34.7    | 46.0    | 39.4               |
| Intentional self-harm (suicide)    | 37.6    | 32.4    | 33.6    | 32.3    | 32.1    | 33.5    | 40.1    | 43.5    | 35.0    | 42.5    | 54.1    | 43.9               |
| Malignant neoplasms                | 12.0    | 19.0    | 15.4    | 11.4    | 13.3    | 16.7    | 13.6    | 12.4    | 16.2    | 12.6    | 18.1    | 50.8               |
| Diseases of heart                  | 16.7    | 14.5    | 14.0    | 14.4    | 13.0    | 10.3    | 14.3    | 14.0    | 12.5    | 13.6    | 15.5    | -7.2               |
| Assault (homicide)                 | 12.8    | 14.8    | 13.0    | 7.2     | 10.6    | 10.6    | 10.9    | 10.4    | 7.9     | 16.7    | 14.4    | 12.5               |
| ALL CAUSES                         | 210.2   | 233.4   | 226.5   | 207.1   | 224.7   | 240.9   | 236.6   | 238.1   | 237.7   | 361.3   | 422.1   | 100.8              |
| (Number of all deaths)             | (593)   | (662)   | (647)   | (602)   | (657)   | (705)   | (697)   | (712)   | (720)   | (1,063) | (1,256) | 111.8              |
| <b>TOTAL</b>                       |         |         |         |         |         |         |         |         |         |         |         |                    |
| Accidents (unintentional injuries) | 41.9    | 38.2    | 41.0    | 38.2    | 46.1    | 49.4    | 53.6    | 59.0    | 64.0    | 87.7    | 95.1    | 127.0              |
| Other                              | 5.5     | 23.3    | 27.7    | 25.6    | 29.0    | 32.6    | 36.0    | 40.9    | 47.3    | 68.7    | 70.4    | 1180.0             |
| Motor vehicle accidents            | 15.2    | 14.9    | 13.3    | 12.6    | 17.1    | 16.8    | 17.6    | 18.1    | 16.7    | 19.1    | 24.7    | 62.5               |
| Intentional self-harm (suicide)    | 20.9    | 19.1    | 20.5    | 19.1    | 20.9    | 20.6    | 22.6    | 23.6    | 23.1    | 23.3    | 26.4    | 26.3               |
| Malignant neoplasms                | 13.3    | 14.9    | 15.3    | 12.6    | 13.2    | 13.9    | 13.2    | 13.5    | 13.0    | 13.5    | 15.1    | 13.5               |
| Assault (homicide)                 | 10.5    | 10.3    | 9.9     | 8.2     | 10.0    | 11.0    | 11.8    | 11.0    | 9.7     | 12.7    | 14.4    | 37.1               |
| Diseases of heart                  | 10.6    | 10.3    | 10.0    | 10.4    | 10.5    | 8.6     | 10.9    | 9.9     | 10.6    | 13.4    | 12.6    | 18.9               |
| ALL CAUSES                         | 133.6   | 135.0   | 143.5   | 138.6   | 146.6   | 153.3   | 155.9   | 160.9   | 168.2   | 227.3   | 262.6   | 96.6               |
| (Number of all deaths)             | (2,856) | (2,900) | (3,115) | (3,062) | (3,271) | (3,441) | (3,544) | (3,727) | (3,973) | (5,377) | (6,316) | 121.1              |

Notes: <sup>a</sup> Rates are presented per 100,000 young adults 20-44 years old; <sup>b</sup> The five causes with the greatest number of deaths statewide over the 2011-2021 period; <sup>c</sup> 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 2011-2021 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 2011-2019 and making it impossible to show a trend and a percent change.