

**TABLE 2C-17**  
**MORTALITY RATES<sup>1</sup> FOR THE FIVE LEADING CAUSES<sup>2</sup> OF DEATH AMONG YOUNG ADULTS (20-44 YEARS)**  
**IN URBAN AND RURAL AREAS<sup>3</sup>, ARIZONA, 1999-2009**

| Area/Cause                         | 1999   | 2000   | 2001   | 2002   | 2003   | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | % change from 1999 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| <b>URBAN</b>                       |        |        |        |        |        |        |        |        |        |        |        |                    |
| Accidents (unintentional injuries) | 43.6   | 34.0   | 43.7   | 39.1   | 38.3   | 35.5   | 40.2   | 44.8   | 38.7   | 34.4   | 32.7   | -25.0              |
| Motor vehicle accidents            | 21.1   | 17.6   | 19.5   | 18.9   | 19.2   | 17.5   | 21.1   | 21.2   | 17.7   | 14.2   | 11.2   | -46.9              |
| Other injury                       | 22.5   | 16.4   | 24.2   | 20.2   | 19.1   | 18.0   | 19.1   | 23.6   | 21.0   | 20.2   | 21.5   | -4.4               |
| Malignant neoplasms                | 19.0   | 17.8   | 18.6   | 16.2   | 14.7   | 16.0   | 11.8   | 13.5   | 12.9   | 14.2   | 15.6   | -12.4              |
| Intentional self-harm (suicide)    | 17.8   | 16.5   | 12.3   | 18.0   | 17.9   | 16.2   | 16.8   | 16.2   | 18.0   | 16.4   | 13.6   | -28.4              |
| Assault (homicide)                 | 16.7   | 13.0   | 16.9   | 15.6   | 14.8   | 15.2   | 14.9   | 15.1   | 14.3   | 13.2   | 9.7    | -22.4              |
| Diseases of heart                  | 12.5   | 10.5   | 12.3   | 11.8   | 11.0   | 10.6   | 11.9   | 10.0   | 9.9    | 8.9    | 8.7    | -47.9              |
| ALL CAUSES                         | 150.6  | 147.8  | 148.1  | 145.4  | 140.2  | 132.2  | 133.0  | 139.3  | 129.8  | 113.6  | 113.0  | -25.0              |
| (Number of all deaths)             | (2311) | (2372) | (2464) | (2494) | (2477) | (2426) | (2532) | (2640) | (2511) | (2239) | (2255) | -2.4               |
| <b>RURAL</b>                       |        |        |        |        |        |        |        |        |        |        |        |                    |
| Accidents (unintentional injuries) | 65.5   | 59.3   | 74.0   | 63.2   | 75.5   | 58.9   | 72.0   | 66.9   | 73.2   | 57.1   | 64.7   | -1.2               |
| Motor vehicle accidents            | 39.9   | 37.5   | 42.8   | 37.9   | 48.1   | 38.4   | 44.2   | 42.4   | 40.5   | 28.0   | 29.4   | -26.3              |
| Other injury                       | 25.6   | 21.8   | 31.2   | 25.3   | 27.4   | 20.5   | 27.8   | 24.5   | 32.7   | 29.2   | 35.4   | 38.3               |
| Intentional self-harm (suicide)    | 24.5   | 27.4   | 19.2   | 26.0   | 26.8   | 29.5   | 26.8   | 25.5   | 25.6   | 20.4   | 29.1   | 18.8               |
| Malignant neoplasms                | 20.5   | 21.5   | 17.8   | 22.8   | 17.2   | 15.9   | 17.8   | 14.0   | 16.1   | 12.5   | 15.9   | -22.4              |
| Diseases of heart                  | 16.5   | 15.2   | 11.6   | 16.2   | 16.8   | 14.2   | 10.0   | 15.0   | 15.1   | 9.4    | 15.0   | -9.1               |
| Assault (homicide)                 | 11.3   | 9.6    | 12.7   | 11.9   | 11.3   | 9.9    | 12.6   | 11.2   | 12.7   | 14.6   | 7.8    | -31.0              |
| ALL CAUSES                         | 193.6  | 208.1  | 212.6  | 212.2  | 217.3  | 194.3  | 189.9  | 196.9  | 188.1  | 174.2  | 191.6  | -1.0               |
| (Number of all deaths)             | (529)  | (561)  | (586)  | (604)  | (633)  | (587)  | (588)  | (618)  | (609)  | (590)  | (662)  | 25.1               |
| <b>STATEWIDE</b>                   |        |        |        |        |        |        |        |        |        |        |        |                    |
| Accidents (unintentional injuries) | 47.5   | 37.7   | 48.1   | 42.5   | 43.5   | 38.8   | 44.6   | 47.9   | 43.6   | 38.0   | 37.8   | -20.4              |
| Motor vehicle accidents            | 24.3   | 20.5   | 22.9   | 21.6   | 23.3   | 20.5   | 24.3   | 24.2   | 21.0   | 16.3   | 14.1   | -42.0              |
| Other injury                       | 23.2   | 17.2   | 25.2   | 20.9   | 20.2   | 18.3   | 20.3   | 23.7   | 22.6   | 21.7   | 23.7   | 2.2                |
| Intentional self-harm (suicide)    | 19.4   | 18.1   | 13.3   | 19.1   | 19.2   | 18.1   | 18.2   | 17.6   | 19.1   | 15.0   | 17.5   | -9.8               |
| Malignant neoplasms                | 19.8   | 18.3   | 18.5   | 17.1   | 15.0   | 16.0   | 12.6   | 13.6   | 13.3   | 9.7    | 13.9   | -29.8              |
| Assault (homicide)                 | 16.2   | 12.5   | 16.3   | 15.1   | 14.3   | 14.5   | 14.5   | 14.5   | 14.1   | 13.1   | 10.5   | -21.6              |
| Diseases of heart                  | 13.4   | 11.4   | 12.2   | 12.4   | 11.8   | 11.1   | 11.7   | 10.7   | 10.7   | 11.5   | 8.8    | -45.7              |
| ALL CAUSES                         | 162.0  | 156.5  | 158.2  | 154.9  | 151.1  | 141.0  | 140.9  | 147.5  | 138.2  | 123.0  | 125.2  | -22.7              |
| (Number of all deaths)             | (2929) | (2933) | (3069) | (3099) | (3110) | (3013) | (3121) | (3258) | (3120) | (2829) | (2917) | -0.4               |

<sup>1</sup>Rates are presented per 100,000 young adults 20-44 years old.

<sup>2</sup>The five causes with the greatest number of deaths statewide over the 1999-2009 period.

<sup>3</sup>Urban = Maricopa, Pima, Pinal, and Yuma counties. The remaining counties comprise Arizona's rural areas. See **Technical Notes** for more information.

Note: 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 2000-2009 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999. 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**