

TABLE 2C-20
MORTALITY RATES¹ FOR THE FIVE LEADING CAUSES² OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)
BY GENDER, ARIZONA, 1999-2009

| Gender/Cause | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | % change from 1999 |
|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| MALE | | | | | | | | | | | | |
| Malignant neoplasms | 229.0 | 212.9 | 204.3 | 228.3 | 220.6 | 213.1 | 210.6 | 192.1 | 192.1 | 184.5 | 182.2 | -20.4 |
| Diseases of heart | 225.3 | 202.0 | 197.4 | 206.1 | 196.7 | 196.7 | 207.5 | 186.7 | 170.8 | 175.5 | 169.0 | -25.0 |
| Accidents (unintentional injuries) | 74.0 | 65.8 | 66.6 | 70.9 | 68.8 | 75.7 | 86.2 | 81.2 | 73.2 | 76.5 | 71.9 | -2.8 |
| Motor vehicle accidents | 32.3 | 26.8 | 19.8 | 29.3 | 26.2 | 27.7 | 33.7 | 31.9 | 23.1 | 24.6 | 20.8 | -35.6 |
| Other than motor vehicle | 29.0 | 39.0 | 46.8 | 41.6 | 42.6 | 48.0 | 52.5 | 49.3 | 50.1 | 51.9 | 51.1 | 76.2 |
| Chronic liver disease and cirrhosis | 42.3 | 41.9 | 42.5 | 36.0 | 42.7 | 42.3 | 45.1 | 34.4 | 35.5 | 39.2 | 38.0 | -10.2 |
| Suicide | 33.9 | 29.7 | 25.6 | 34.4 | 29.4 | 31.6 | 32.7 | 31.9 | 35.0 | 35.1 | 37.0 | 9.1 |
| ALL CAUSES | 866.1 | 808.6 | 811.2 | 839.0 | 840.1 | 823.9 | 852.1 | 772.8 | 746.4 | 741.9 | 738.1 | -14.8 |
| (Number of all deaths) | (4133) | (4190) | (4348) | (4637) | (4776) | (4906) | (5232) | (5282) | (5397) | (5450) | (5472) | 32.4 |
| FEMALE | | | | | | | | | | | | |
| Malignant neoplasms | 192.5 | 181.5 | 185.4 | 179.2 | 181.3 | 179.4 | 182.3 | 166.2 | 154.7 | 151.4 | 154.2 | -19.9 |
| Diseases of heart | 81.7 | 79.5 | 75.1 | 78.0 | 72.8 | 74.8 | 74.2 | 66.4 | 65.0 | 63.4 | 59.4 | -27.3 |
| Accidents (unintentional injuries) | 22.7 | 21.0 | 23.5 | 26.5 | 24.6 | 29.6 | 33.1 | 35.8 | 30.2 | 34.2 | 36.1 | 59.0 |
| Motor vehicle accidents | 11.7 | 10.3 | 9.6 | 12.2 | 11.9 | 11.8 | 10.9 | 14.2 | 9.2 | 10.0 | 7.6 | -35.0 |
| Other than motor vehicle | 10.9 | 10.7 | 13.9 | 14.3 | 12.7 | 17.8 | 22.2 | 21.6 | 21.0 | 24.2 | 28.5 | 161.5 |
| Chronic lower respiratory diseases | 23.5 | 20.6 | 25.7 | 19.9 | 22.5 | 18.5 | 25.4 | 21.6 | 23.6 | 24.3 | 19.2 | -18.3 |
| Diabetes | 20.3 | 17.0 | 19.6 | 19.5 | 17.2 | 19.0 | 20.1 | 19.1 | 14.0 | 16.0 | 14.2 | -30.0 |
| ALL CAUSES | 500.9 | 470.0 | 464.1 | 481.8 | 478.5 | 482.7 | 504.6 | 464.1 | 426.7 | 448.4 | 448.6 | -10.4 |
| (Number of all deaths) | (2563) | (2595) | (2650) | (2837) | (2898) | (3022) | (3292) | (3336) | (3232) | (3449) | (3483) | 35.9 |
| TOTAL | | | | | | | | | | | | |
| Malignant neoplasms | 210.1 | 196.7 | 194.6 | 203.0 | 200.3 | 195.8 | 196.0 | 178.8 | 173.0 | 167.6 | 167.9 | -20.1 |
| Diseases of heart | 151.0 | 138.8 | 134.3 | 140.0 | 132.9 | 134.2 | 138.8 | 125.0 | 116.6 | 118.2 | 112.9 | -25.2 |
| Accidents (unintentional injuries) | 47.4 | 42.7 | 44.4 | 48.0 | 46.0 | 52.1 | 58.8 | 57.9 | 51.2 | 54.9 | 53.6 | 13.1 |
| Motor vehicle accidents | 21.6 | 18.3 | 14.5 | 20.5 | 18.8 | 19.6 | 22.0 | 22.8 | 16.0 | 17.2 | 14.0 | -35.2 |
| Other than motor vehicle | 25.8 | 24.4 | 29.9 | 27.5 | 27.2 | 32.5 | 36.8 | 35.1 | 35.2 | 37.7 | 39.5 | 53.1 |
| Chronic liver disease and cirrhosis | 28.7 | 29.1 | 27.5 | 26.1 | 29.0 | 28.9 | 31.8 | 25.0 | 25.3 | 29.7 | 29.1 | 1.4 |
| Chronic lower respiratory diseases | 27.2 | 24.2 | 26.7 | 23.7 | 21.9 | 21.4 | 26.8 | 22.7 | 21.8 | 24.7 | 21.5 | -21.0 |
| ALL CAUSES | 677.1 | 633.9 | 632.1 | 654.8 | 653.7 | 649.1 | 673.1 | 614.6 | 582.8 | 591.8 | 590.0 | -12.9 |
| (Number of all deaths) | (6696) | (6785) | (6998) | (7474) | (7675) | (7928) | (8524) | (8618) | (8629) | (8899) | (8855) | 32.2 |

¹Rates are presented per 100,000 middle-aged adults 45-64 years old.

²The five causes with the greatest number of deaths over the 1999-2009 period.

Note: 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 Notes**.