

Table 7 : Cancer Deaths and Mortality Rates by County
South Dakota, 2011 and 2007-2011 Average

VII. CANCER MORTALITY

Cancer age-adjusted death rates for 2011 ranged from a low of 83.0 in Faulk County to a high of 723.3 in Buffalo County. South Dakota's age adjusted death rate was 167.3 in 2011 compared to a 5-year death rate of 165.5.

In 2011, only three counties had a significantly lower rate than that of the entire state and one had a significantly higher rate. The five-year rates show nine counties having significantly lower rates and three counties with significantly higher rates. South Dakota's mortality rate for 2007-2011 was 165.5 per 100,000 persons.

The United States mortality rate for 2011 is not available. The United States mortality rate was 171.8 and the South Dakota mortality rate was 169.7 per 100,000 persons in 2010. South Dakota's mortality rate for 2011 is 167.3 per 100,000 persons.

The South Dakota 2011 mortality rates are displayed in a state map on page 15 of this report.

| County | 2011 | | 2007-2011 [^] | |
|---------------------|--------|---------|------------------------|---------|
| | Deaths | Rate | Deaths | Rate |
| South Dakota | 1,656 | 167.3 | 1,596 | 165.5 |
| Aurora | 7 | 176.3 | 6 | 132.2 |
| Beadle | 45 | 188.9 | 44 | 178.3 |
| Bennett | 6 | 177.4 | 6 | 195.1 |
| Bon Homme | 15 | 149.7 | 18 | 162.5 |
| Brookings | 39 | 141.2 | 41 | 150.5 |
| Brown | 68 | 141.3 | 78 | 164.6 |
| Brule | 11 | 135.2 | 11 | 147.5 |
| Buffalo | 3 | 723.3 | 3 | 273.6 |
| Butte | 38 | 296.6 ▲ | 28 | 225.1 ▲ |
| Campbell | 3 | 88.6 | 3 | 95.0 ▼ |
| Charles Mix | 22 | 156.5 | 23 | 180.7 |
| Clark | 15 | 222.4 | 10 | 148.2 |
| Clay | 16 | 130.3 | 18 | 147.6 |
| Codington | 47 | 136.4 | 57 | 174.8 |
| Corson | 7 | 232.9 | 7 | 213.1 |
| Custer | 20 | 153.0 | 23 | 186.3 |
| Davison | 36 | 128.5 | 43 | 162.7 |
| Day | 21 | 181.0 | 17 | 169.0 |
| Deuel | 9 | 127.9 | 9 | 128.3 ▼ |
| Dewey | 7 | 171.3 | 9 | 206.4 |
| Douglas | 11 | 183.9 | 9 | 177.6 |
| Edmunds | 12 | 159.7 | 9 | 139.3 |
| Fall River | 27 | 195.9 | 27 | 198.6 |
| Faulk | 4 | 83.1 | 6 | 120.1 ▼ |
| Grant | 21 | 185.8 | 17 | 145.8 |
| Gregory | 9 | 147.4 | 15 | 182.5 |
| Haakon | 6 | 186.5 | 6 | 154.9 |
| Hamlin | 13 | 157.9 | 12 | 159.6 |
| Hand | 9 | 177.1 | 8 | 130.3 |
| Hanson | 7 | 198.9 | 6 | 177.8 |
| Harding | 3 | 169.6 | * | 92.9 ▼ |
| Hughes | 39 | 196.7 | 32 | 159.5 |
| Hutchinson | 19 | 146.3 | 22 | 161.3 |
| Hyde | 2 | 126.6 | 4 | 153.0 |
| Jackson | 6 | 186.3 | 5 | 174.2 |
| Jerauld | 9 | 287.5 | 8 | 226.3 |
| Jones | 4 | 211.7 | 3 | 159.8 |
| Kingsbury | 12 | 126.9 | 16 | 175.6 |
| Lake | 25 | 161.4 | 25 | 152.8 |
| Lawrence | 66 | 194.5 | 53 | 163.3 |
| Lincoln | 51 | 135.0 | 45 | 151.0 |
| Lyman | 6 | 124.2 | 6 | 132.8 |
| McCook | 16 | 185.5 | 18 | 214.9 ▲ |
| McPherson | 7 | 150.8 | 4 | 68.8 ▼ |
| Marshall | 17 | 245.9 | 13 | 178.7 |
| Meade | 46 | 183.9 | 44 | 179.2 |
| Mellette | 8 | 377.2 | 5 | 223.9 |
| Miner | 9 | 177.8 | 9 | 195.7 |
| Minnehaha | 326 | 190.5 | 300 | 170.5 |
| Moody | 11 | 129.4 | 13 | 160.8 |
| Pennington | 196 | 164.7 | 181 | 162.9 |
| Perkins | 18 | 320.7 | 11 | 190.2 |
| Potter | 12 | 184.0 | 10 | 193.3 |
| Roberts | 29 | 203.7 | 26 | 196.6 |
| Sanborn | 6 | 167.3 | 4 | 115.6 ▼ |
| Shannon | 16 | 224.8 | 14 | 224.2 ▲ |
| Spink | 11 | 94.7 ▼ | 15 | 138.1 |
| Stanley | 7 | 169.7 | 6 | 172.2 |
| Sully | 3 | 143.5 | * | 126.5 |
| Todd | 9 | 186.7 | 11 | 211.4 |
| Tripp | 14 | 144.2 | 13 | 132.5 ▼ |
| Turner | 20 | 161.1 | 20 | 143.3 |
| Union | 18 | 99.8 ▼ | 31 | 185.2 |
| Walworth | 23 | 192.4 | 14 | 133.7 ▼ |
| Yankton | 35 | 112.4 ▼ | 42 | 143.1 ▼ |
| Ziebach | 3 | 189.2 | 3 | 188.5 |

* Counts less than three are suppressed. Mortality rates with counts less than 20 are generally considered unstable. ▲ Rate significantly higher; ▼ Rate significantly lower

[^] Number of the cases and rates are averaged over the five-year period.

Rates per 100,000 age-adjusted to 2000 US standard population and SD 2011 estimated population. Source: South Dakota Department of Health

Table 8: Age-adjusted Mortality Rates by County for Selected Sites, 2011

| | Colorectal | | Lung and Bronchus | | Female Breast | | Prostate | | Bladder | | NHL | |
|---------------------|------------|-------------|-------------------|-------------|---------------|-------------|-----------|-------------|-----------|------------|-----------|------------|
| | Deaths | Rate | Deaths | Rate | Deaths | Rate | Deaths | Rate | Deaths | Rate | Deaths | Rate |
| South Dakota | 136 | 13.7 | 457 | 47.0 | 122 | 23.3 | 88 | 20.8 | 34 | 3.2 | 62 | 6.0 |
| Aurora | 0 | 0.0 | 4 | 103.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Beadle | 3 | 11.2 | 11 | 40.2 | 6 | 45.7 | * | 17.2 | 0 | 0.0 | * | 6.3 |
| Bennett | * | 55.5 | * | 28.9 | 0 | 0.0 | * | 70.5 | 0 | 0.0 | 0 | 0.0 |
| Bon Homme | 0 | 0.0 | 8 | 82.6 | * | 32.1 | * | 33.8 | * | 9.3 | 0 | 0.0 |
| Brookings | * | 8.6 | 7 | 25.1 | 4 | 29.3 | * | 16.6 | * | 3.6 | * | 3.7 |
| Brown | 6 | 12.5 | 16 | 32.4 | 5 | 14.1 | 4 | 20.9 | 0 | 0.0 | 3 | 5.6 |
| Brule | * | 35.5 | 4 | 44.8 | * | 22.0 | 0 | 0.0 | 0 | 0.0 | * | 8.5 |
| Buffalo | 0 | 0.0 | * | 128.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Butte | 4 | 33.4 | 14 | 117.2 | 4 | 53.1 | 3 | 52.0 | 0 | 0.0 | 3 | 24.4 |
| Campbell | * | 27.4 | 0 | 0.0 | 0 | 0.0 | * | 79.4 | 0 | 0.0 | 0 | 0.0 |
| Charles Mix | 4 | 28.1 | 4 | 31.4 | 0 | 0.0 | * | 31.7 | * | 5.9 | 3 | 20.9 |
| Clark | * | 13.9 | 4 | 71.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | * | 13.9 |
| Clay | 0 | 0.0 | 3 | 25.3 | * | 31.4 | * | 22.5 | 0 | 0.0 | * | 8.2 |
| Codington | * | 5.0 | 13 | 37.7 | 4 | 22.6 | * | 13.7 | * | 5.0 | * | 3.5 |
| Corson | * | 23.6 | * | 70.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Custer | 4 | 31.5 | 6 | 49.4 | * | 20.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Davison | 3 | 8.4 | 14 | 53.7 | * | 7.6 | * | 16.9 | 0 | 0.0 | * | 7.6 |
| Day | 3 | 27.3 | * | 8.9 | 3 | 34.0 | * | 42.9 | * | 6.5 | 0 | 0.0 |
| Deuel | * | 29.3 | 4 | 58.2 | * | 46.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Dewey | 0 | 0.0 | 3 | 80.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Douglas | 0 | 0.0 | * | 22.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Edmunds | * | 27.4 | * | 14.6 | * | 23.5 | 0 | 0.0 | 0 | 0.0 | * | 14.6 |
| Fall River | 0 | 0.0 | 10 | 72.7 | * | 31.0 | 3 | 46.1 | * | 7.6 | * | 5.6 |
| Faulk | * | 14.1 | * | 30.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Grant | * | 18.9 | 3 | 27.6 | * | 39.9 | 3 | 55.4 | 0 | 0.0 | * | 6.7 |
| Gregory | * | 14.8 | 3 | 67.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Haakon | 0 | 0.0 | * | 31.5 | * | 124.4 | * | 81.6 | 0 | 0.0 | 0 | 0.0 |
| Hamlin | 0 | 0.0 | * | 11.7 | * | 18.0 | * | 24.2 | 0 | 0.0 | 0 | 0.0 |
| Hand | * | 8.8 | * | 34.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | * | 8.8 |
| Hanson | 0 | 0.0 | 3 | 84.0 | 0 | 0.0 | * | 63.7 | 0 | 0.0 | 0 | 0.0 |
| Harding | * | 84.4 | * | 42.6 | 0 | 0.0 | * | 77.6 | 0 | 0.0 | 0 | 0.0 |
| Hughes | 5 | 24.7 | 7 | 36.3 | * | 21.4 | * | 14.8 | * | 11.5 | * | 8.8 |
| Hutchinson | 0 | 0.0 | 4 | 24.0 | * | 70.0 | * | 10.5 | * | 3.5 | * | 25.5 |
| Hyde | 0 | 0.0 | * | 47.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Jackson | * | 30.8 | 3 | 90.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | * | 36.0 |
| Jerauld | 0 | 0.0 | * | 17.8 | * | 58.1 | * | 58.1 | 0 | 0.0 | * | 13.6 |
| Jones | * | 48.2 | * | 60.9 | * | 167.1 | 0 | 0.0 | * | 45.6 | 0 | 0.0 |
| Kingsbury | 0 | 0.0 | 5 | 57.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | * | 7.8 |
| Lake | * | 14.0 | 5 | 28.3 | * | 25.4 | 0 | 0.0 | 0 | 0.0 | * | 4.7 |
| Lawrence | 4 | 10.7 | 17 | 53.9 | 4 | 21.0 | 7 | 46.9 | 4 | 11.3 | * | 3.7 |
| Lincoln | 7 | 20.3 | 18 | 48.8 | 5 | 21.5 | 3 | 19.6 | * | 2.2 | 0 | 0.0 |
| Lyman | 0 | 0.0 | 3 | 58.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| McCook | * | 13.0 | 7 | 82.1 | * | 26.0 | * | 22.6 | 0 | 0.0 | 0 | 0.0 |
| McPherson | * | 39.2 | * | 55.7 | 0 | 0.0 | * | 56.3 | 0 | 0.0 | 0 | 0.0 |
| Marshall | * | 27.0 | * | 23.4 | * | 14.6 | * | 26.6 | * | 12.8 | 0 | 0.0 |
| Meade | * | 4.5 | 15 | 61.8 | 0 | 0.0 | 4 | 34.6 | 0 | 0.0 | * | 4.2 |
| Mellette | * | 54.0 | 5 | 220.5 | 0 | 0.0 | * | 96.4 | 0 | 0.0 | 0 | 0.0 |
| Miner | * | 28.5 | * | 60.3 | 0 | 0.0 | * | 57.4 | 0 | 0.0 | 0 | 0.0 |
| Minnehaha | 22 | 11.9 | 93 | 55.7 | 29 | 31.5 | 11 | 17.2 | 12 | 6.9 | 17 | 10.1 |
| Moody | * | 19.9 | * | 14.4 | * | 27.9 | * | 20.7 | 0 | 0.0 | 0 | 0.0 |
| Pennington | 11 | 9.3 | 60 | 50.2 | 15 | 24.4 | 9 | 18.2 | * | 1.5 | 8 | 6.1 |
| Perkins | 4 | 70.8 | 3 | 60.1 | * | 30.8 | 0 | 0.0 | 0 | 0.0 | * | 10.5 |
| Potter | * | 17.0 | 4 | 69.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | * | 17.0 |
| Roberts | * | 11.4 | 6 | 41.1 | * | 21.9 | * | 33.7 | * | 7.5 | * | 6.8 |
| Sanborn | * | 60.8 | 0 | 0.0 | * | 68.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Shannon | 3 | 37.6 | 3 | 46.8 | * | 30.8 | 3 | 99.6 | 0 | 0.0 | 0 | 0.0 |
| Spink | 0 | 0.0 | 3 | 31.2 | * | 14.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Stanley | * | 17.4 | 3 | 77.7 | * | 52.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Sully | 0 | 0.0 | * | 47.5 | 0 | 0.0 | * | 108.0 | 0 | 0.0 | 0 | 0.0 |
| Todd | 0 | 0.0 | 4 | 79.6 | * | 48.9 | * | 59.6 | * | 27.0 | 0 | 0.0 |
| Tripp | * | 13.3 | 3 | 29.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | * | 6.5 |
| Turner | * | 14.3 | 7 | 58.4 | * | 16.0 | 0 | 0.0 | * | 9.0 | 0 | 0.0 |
| Union | * | 7.3 | 7 | 40.3 | * | 22.4 | * | 20.5 | 0 | 0.0 | * | 4.9 |
| Walworth | 3 | 29.1 | 4 | 36.0 | * | 12.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Yankton | 4 | 15.1 | 10 | 33.6 | * | 10.8 | * | 12.9 | 0 | 0.0 | * | 3.2 |
| Ziebach | 0 | 0.0 | 0 | 0.0 | * | 63.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |

Note: * Counts less than 3 are suppressed. Mortality rates with counts less than 20 are generally considered unstable. Rates per 100,000 age-adjusted to the 2000 US standard population and 2011 SD estimated population.

Source: South Dakota Department of Health

Table 9: Age-adjusted Mortality Rates by Site, Gender, and Race, South Dakota, 2011

| | TOTAL | | MALE | | FEMALE | | WHITE | | AMERICAN INDIAN | |
|-----------------------------------|--------------|--------------|------------|--------------|------------|--------------|--------------|--------------|-----------------|--------------|
| | Deaths | Rate | Deaths | Rate | Deaths | Rate | Deaths | Rate | Deaths | Rate |
| Total | 1,656 | 167.3 | 838 | 192.5 | 818 | 149.5 | 1,561 | 165.6 | 81 | 240.5 |
| Oral Cavity | 19 | 1.9 | 12 | 2.7 | 7 | 1.3 | 17 | 1.8 | 2 | 4.0 |
| Lip | 1 | 0.1 | 1 | 0.2 | 0 | 0.0 | 1 | 0.1 | 0 | 0.0 |
| Tongue | 3 | 0.4 | 2 | 0.5 | 1 | 0.2 | 3 | 0.4 | 0 | 0.0 |
| Salivary Gland | 2 | 0.2 | 1 | 0.2 | 1 | 0.2 | 2 | 0.2 | 0 | 0.0 |
| Floor of Mouth | 1 | 0.1 | 0 | 0.0 | 1 | 0.2 | 0 | 0.0 | 1 | 1.7 |
| Gum and Other Mouth | 6 | 0.6 | 4 | 1.1 | 2 | 0.2 | 6 | 0.6 | 0 | 0.0 |
| Nasopharynx | 1 | 0.1 | 1 | 0.2 | 0 | 0.0 | 1 | 0.1 | 0 | 0.0 |
| Hypopharynx | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Tonsil | 4 | 0.4 | 2 | 0.3 | 2 | 0.4 | 3 | 0.3 | 1 | 2.3 |
| Oropharynx | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Other Oral Cavity and Pharynx | 1 | 0.1 | 1 | 0.2 | 0 | 0.0 | 1 | 0.1 | 0 | 0.0 |
| Digestive System | 377 | 38.2 | 205 | 46.2 | 172 | 29.9 | 348 | 36.1 | 23 | 65.2 |
| Esophagus | 57 | 5.5 | 45 | 10.1 | 12 | 1.9 | 54 | 5.5 | 2 | 5.5 |
| Stomach | 27 | 2.7 | 17 | 3.9 | 10 | 1.9 | 26 | 2.7 | 0 | 0.0 |
| Small Intestine | 6 | 0.6 | 5 | 1.1 | 1 | 0.2 | 6 | 0.6 | 0 | 0.0 |
| Colorectal | 136 | 13.9 | 68 | 15.9 | 68 | 11.2 | 124 | 13.0 | 11 | 33.6 |
| Colon Excluding Rectum | 105 | 10.5 | 46 | 10.8 | 59 | 9.6 | 97 | 10.1 | 7 | 21.8 |
| Rectum and Rectosigmoid | 31 | 3.2 | 22 | 5.1 | 9 | 1.6 | 27 | 2.9 | 4 | 11.8 |
| Anus, Anal Canal and Anorectum | 2 | 0.2 | 1 | 0.3 | 1 | 0.2 | 1 | 0.1 | 1 | 1.8 |
| Liver and Intrahepatic Bile Duct | 41 | 4.0 | 23 | 4.9 | 18 | 3.3 | 37 | 3.9 | 2 | 4.0 |
| Gallbladder | 5 | 0.6 | 3 | 0.7 | 2 | 0.5 | 4 | 0.5 | 1 | 3.1 |
| Other Biliary | 8 | 0.8 | 3 | 0.6 | 5 | 0.9 | 8 | 0.8 | 0 | 0.0 |
| Pancreas | 95 | 9.4 | 40 | 8.7 | 55 | 9.8 | 88 | 9.1 | 6 | 17.2 |
| Retroperitoneum | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Peritoneum, Omentum and Mesentery | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Respiratory | 467 | 48.8 | 242 | 55.4 | 225 | 42.6 | 437 | 47.1 | 27 | 83.6 |
| Nose, Nasal Cavity and Middle Ear | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Larynx | 10 | 1.0 | 9 | 2.0 | 1 | 0.1 | 10 | 1.0 | 0 | 0.0 |
| Lung and Bronchus | 457 | 47.0 | 233 | 53.4 | 224 | 42.5 | 427 | 46.1 | 27 | 83.6 |
| Pleura | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Mediastinum and Other Resp Organs | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Bones and Joints | 2 | 0.2 | 1 | 0.3 | 1 | 0.2 | 2 | 0.2 | 0 | 0.0 |
| Soft Tissue | 10 | 1.2 | 4 | 1.0 | 6 | 1.4 | 10 | 1.3 | 0 | 0.0 |
| Skin | 32 | 3.4 | 17 | 3.9 | 15 | 2.7 | 30 | 3.4 | 2 | 6.3 |
| Melanomas Skin | 25 | 2.7 | 13 | 2.9 | 12 | 2.4 | 25 | 2.9 | 0 | 0.0 |
| Other Nonepithelial Skin | 7 | 0.7 | 4 | 1.0 | 3 | 0.3 | 5 | 0.5 | 2 | 6.3 |
| Breast | 124 | 13.0 | 2 | 0.4 | 122 | 23.3 | 116 | 12.7 | 6 | 16.6 |
| Breast, Female | 122 | 23.3 | | | 122 | 23.3 | 114 | 23.2 | 6 | 29.8 |
| Breast, Male | 2 | 0.4 | 2 | 0.4 | | | 2 | 0.5 | 0 | 0.0 |
| Female | 83 | 14.8 | | | 83 | 14.8 | 80 | 15.0 | 3 | 10.1 |
| Vulva | 5 | 0.8 | | | 5 | 0.8 | 5 | 0.8 | 0 | 0.0 |
| Vagina | 2 | 0.3 | | | 2 | 0.3 | 2 | 0.3 | 0 | 0.0 |
| Cervix Uteri | 5 | 0.9 | | | 5 | 0.9 | 3 | 0.6 | 2 | 7.1 |
| Corpus and Uterus, NOS | 31 | 5.7 | | | 31 | 5.7 | 30 | 5.9 | 1 | 3.0 |
| Corpus Uteri | 19 | 3.5 | | | 19 | 3.5 | 19 | 3.7 | 0 | 0.0 |
| Uterus, NOS | 12 | 2.2 | | | 12 | 2.2 | 11 | 2.2 | 1 | 3.0 |
| Ovary | 40 | 7.0 | | | 40 | 7.0 | 40 | 7.3 | 0 | 0.0 |
| Other Female Genital Organs | 0 | 0.0 | | | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |

**Table 9: Age-adjusted Mortality Rates by Site, Gender, and Race, South Dakota, 2011
(continued)**

| | TOTAL | | MALE | | FEMALE | | WHITE | | AMERICAN INDIAN | |
|--|------------|-------------|-----------|-------------|-----------|------------|------------|-------------|-----------------|-------------|
| | Deaths | Rate | Deaths | Rate | Deaths | Rate | Deaths | Rate | Deaths | Rate |
| Male | 88 | 20.8 | 88 | 20.8 | | | 82 | 20.1 | 6 | 53.6 |
| Penis | 0 | 0.0 | 0 | 0.0 | | | 0 | 0.0 | 0 | 0.0 |
| Prostate | 88 | 20.8 | 88 | 20.8 | | | 82 | 20.1 | 6 | 53.6 |
| Testis | 0 | 0.0 | 0 | 0.0 | | | 0 | 0.0 | 0 | 0.0 |
| Other Male Genital Organs | 0 | 0.0 | 0 | 0.0 | | | 0 | 0.0 | 0 | 0.0 |
| Urinary | 89 | 9.0 | 58 | 13.3 | 31 | 5.6 | 87 | 9.0 | 2 | 7.0 |
| Bladder | 34 | 3.3 | 24 | 5.6 | 10 | 1.7 | 33 | 3.2 | 1 | 3.9 |
| Kidney and Renal Pelvis | 51 | 5.3 | 31 | 7.0 | 20 | 3.7 | 50 | 5.4 | 1 | 3.1 |
| Ureter | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Other Urinary Organs | 4 | 0.4 | 3 | 0.7 | 1 | 0.2 | 4 | 0.4 | 0 | 0.0 |
| Eye and Orbit | 2 | 0.2 | 2 | 0.4 | 0 | 0.0 | 2 | 0.2 | 0 | 0.0 |
| Brain and CNS | 54 | 5.8 | 27 | 6.1 | 27 | 5.5 | 53 | 5.9 | 1 | 0.9 |
| Brain | 52 | 5.5 | 26 | 5.9 | 26 | 5.3 | 51 | 5.7 | 1 | 0.9 |
| Meninges and CNS | 2 | 0.2 | 1 | 0.2 | 1 | 0.2 | 2 | 0.2 | 0 | 0.0 |
| Endocrine | 7 | 0.7 | 4 | 0.9 | 3 | 0.6 | 6 | 0.6 | 0 | 0.0 |
| Thyroid | 7 | 0.7 | 4 | 0.9 | 3 | 0.6 | 6 | 0.6 | 0 | 0.0 |
| Other Endocrine | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Lymphomas | 65 | 6.5 | 43 | 9.8 | 22 | 3.4 | 62 | 6.4 | 2 | 6.3 |
| Hodgkin's Disease | 3 | 0.4 | 2 | 0.6 | 1 | 0.2 | 3 | 0.4 | 0 | 0.0 |
| Non-Hodgkin's Lymphomas | 62 | 6.1 | 41 | 9.3 | 21 | 3.3 | 59 | 6.0 | 2 | 6.3 |
| Multiple Myeloma | 39 | 3.8 | 17 | 3.9 | 22 | 3.6 | 39 | 3.8 | 0 | 0.0 |
| Leukemia | 77 | 7.9 | 51 | 11.6 | 26 | 4.6 | 75 | 8.0 | 2 | 5.6 |
| Acute Lymphocytic | 3 | 0.3 | 2 | 0.4 | 1 | 0.1 | 3 | 0.3 | 0 | 0.0 |
| Chronic Lymphocytic | 23 | 2.3 | 13 | 3.0 | 10 | 1.6 | 23 | 2.3 | 0 | 0.0 |
| Other Lymphocytic | 1 | 0.1 | 1 | 0.3 | 0 | 0.0 | 1 | 0.1 | 0 | 0.0 |
| Acute Myeloid | 25 | 2.7 | 16 | 3.6 | 9 | 1.7 | 24 | 2.7 | 1 | 1.7 |
| Acute Monocytic | 1 | 0.1 | 0 | 0.0 | 1 | 0.2 | 1 | 0.1 | 0 | 0.0 |
| Chronic Myeloid | 4 | 0.4 | 4 | 0.9 | 0 | 0.0 | 4 | 0.4 | 0 | 0.0 |
| Other Myeloid/Monocytic | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Other Acute Leukemia | 12 | 1.2 | 9 | 2.1 | 3 | 0.5 | 12 | 1.2 | 0 | 0.0 |
| Other Leukemia | 8 | 0.8 | 6 | 1.4 | 2 | 0.4 | 7 | 0.8 | 1 | 3.9 |
| Mesothelioma | 6 | 0.6 | 5 | 1.2 | 1 | 0.2 | 6 | 0.7 | 0 | 0.0 |
| Immunoproliferative Diseases | 1 | 0.1 | 0 | 0.0 | 1 | 0.2 | 1 | 0.1 | 0 | 0.0 |
| Ill-Defined and Unspecified Sites | 114 | 11.8 | 60 | 14.4 | 54 | 9.8 | 108 | 11.5 | 5 | 19.5 |

Rates per 100,000 age-adjusted to the 2000 US standard population and 2011 SD estimated population.

Source: South Dakota Department of Health

Table 9 shows death and age-adjusted death rates by SEER recode primary sites (Appendix D), gender and race. Approximately 1,600 persons die from cancer in South Dakota each year with little or no change in counts. Overall more males than females die from cancer, but that is starting to change as recent years of data have started to show.

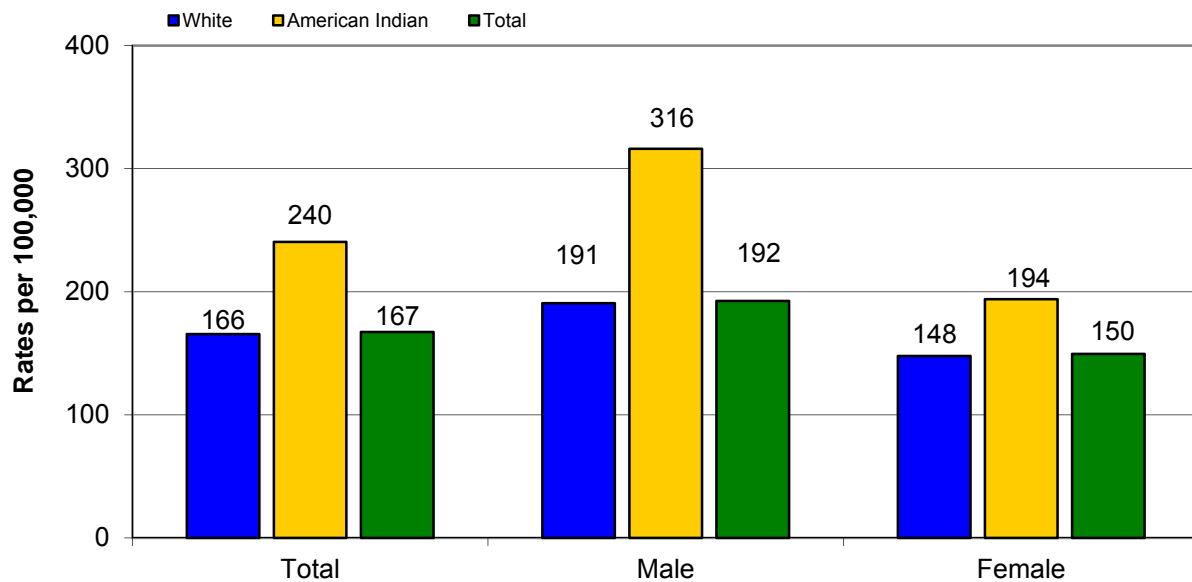
Table 10: Percentage of Cancer Deaths by Age Groups and Selected Primary Sites, South Dakota, 2011

| Age Group | 0-19 | 20-34 | 35-49 | 50-64 | 65-74 | 75-84 | 85+ |
|-------------------------|------|-------|-------|-------|-------|-------|-----|
| All Sites | 0% | 0% | 4% | 20% | 22% | 31% | 22% |
| Bladder | 0% | 0% | 0% | 15% | 15% | 29% | 41% |
| Female Breast | 0% | 0% | 7% | 25% | 25% | 25% | 17% |
| Colorectal | 0% | 0% | 4% | 13% | 24% | 33% | 27% |
| Corpus and Uterus, NOS | 0% | 0% | 10% | 19% | 19% | 19% | 32% |
| Meninges, Brain and CNS | 4% | 0% | 7% | 31% | 19% | 28% | 11% |
| Kidney and Renal Pelvis | 0% | 0% | 2% | 20% | 33% | 25% | 20% |
| Leukemia | 4% | 0% | 3% | 22% | 16% | 34% | 22% |
| Lung and Bronchus | 0% | 0% | 2% | 22% | 26% | 36% | 14% |
| Melanoma of the Skin | 0% | 0% | 20% | 20% | 20% | 20% | 20% |
| Non-Hodgkin's Lymphoma | 2% | 2% | 2% | 16% | 23% | 24% | 32% |
| Pancreas | 0% | 0% | 3% | 20% | 21% | 28% | 27% |
| Prostate | 0% | 0% | 1% | 13% | 17% | 40% | 30% |

Source: South Dakota Department of Health

Overall, in 2011 more persons 75 to 84 years of age died from cancer in South Dakota than any other age group (Table 10). However, there would be cause for concern if too many people die from cancer at a young age.

Figure 8: All Sites Cancer Mortality Rates by Race, and Gender, South Dakota, 2011



Note: Rates per 100,000 age-adjusted to 2000 US standard population and 2011 SD estimated population.
Source: South Dakota Department of Health

Figure 8 illustrates that males had higher death rates than females. American Indian males and females had higher death rates than whites.