In both 2012 and the five-year period 2008 to 2012, cancer ranked number one in years of potential years lost (YPLL). The number of years lost are shown in Figures 9 and 10 by race. There were 10,816 years of potential years lost due to cancer in 2012, compared to 9,904 years in 2008.

Table 11: Leading Causes of Years of Potential Life Lost (to 75 years of age), South Dakota, 2012

<table>
<thead>
<tr>
<th>Cause</th>
<th>YPLL 2012</th>
<th>YPLL 2008-2012 Average*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer</td>
<td>10,816</td>
<td>9,214</td>
</tr>
<tr>
<td>Accidents</td>
<td>10,111</td>
<td>9,143</td>
</tr>
<tr>
<td>Heart Disease</td>
<td>7,401</td>
<td>6,371</td>
</tr>
<tr>
<td>Suicide and Self-Inflicted Injury</td>
<td>4,268</td>
<td>3,891</td>
</tr>
<tr>
<td>Chronic Liver and Cirrhosis</td>
<td>2,472</td>
<td>1,965</td>
</tr>
<tr>
<td>Diabetes Mellitus</td>
<td>1,459</td>
<td>1,171</td>
</tr>
<tr>
<td>Chronic Lung Diseases</td>
<td>1,278</td>
<td>1,107</td>
</tr>
<tr>
<td>Cerebrovascular Disease</td>
<td>851</td>
<td>727</td>
</tr>
<tr>
<td>Homicide</td>
<td>837</td>
<td>739</td>
</tr>
<tr>
<td>Influenza and Pneumonia</td>
<td>652</td>
<td>567</td>
</tr>
<tr>
<td>Septicemia</td>
<td>543</td>
<td>498</td>
</tr>
<tr>
<td>All Other Causes</td>
<td>14,953</td>
<td>13,386</td>
</tr>
</tbody>
</table>

Source: South Dakota Department of Health

Figure 9: Years of Potential Life Lost (YPLL) Before Age 75 for the Leading Causes of Death by Race, South Dakota, 2012

Figure 10: Years of Potential Life Lost (YPLL) Before Age 75 for the Leading Causes of Death by Race, South Dakota 2008-2012 Average*

* Number of years are averaged over the five-year period.
Source: South Dakota Department of Health
The differences in YPLL in Figures 11 and 12 reflect the number of cancer cases by primary sites by race. For example, the YPLL for lung and bronchus for whites was 2,297 for 208 deaths whereas the YPLL for American Indians was 194 years for 19 deaths which occurred during 2012. Not all cancers were present among the American Indian population during 2012, hence the differences in the cancer sites presented.

Figure 11: Years of Potential Life Lost for Selected Cancers Among Whites, South Dakota, 2012

- Lung and Bronchus: 2,297
- Colorectal: 814
- Leukemia: 771
- Female Breast: 696
- Pancreas: 620
- Meninges, Brain and CNS: 514
- Kidney & Renal Pelvis: 362
- Non-Hodgkin's Lymphoma: 315
- Esophagus: 284
- Liver and Intrahepatic Bile Ducts: 280
- Oral Cavity and Pharynx: 280
- Myeloma: 229
- Prostate: 199
- Bladder: 182
- Corpus and Uterus, NOS: 149
- Ovary: 142
- Melanoma of the Skin: 126
- Stomach: 113
- Cervix: 75
- Hodgkin's Lymphoma: 47
- Larynx: 25
- All Other and Unspecified: 901

Source: South Dakota Department of Health

Figure 12: Years of Potential Life Lost for Selected Cancers Among American Indians, South Dakota, 2012

- Lung and Bronchus: 194
- Liver and Intrahepatic Bile Ducts: 176
- Meninges, Brain and CNS: 102
- Cervix: 87
- Female Breast: 77
- Colorectal: 71
- Leukemia: 71
- Esophagus: 43
- Kidney & Renal Pelvis: 42
- Oral Cavity and Pharynx: 35
- Melanoma of the Skin: 34
- Stomach: 33
- Non-Hodgkin's Lymphoma: 29
- Corpus and Uterus, NOS: 29
- Pancreas: 22

Source: South Dakota Department of Health
South Dakota’s average years of life lost (AYLL) due to cancer in 2012 was 13.0 years, a slight decrease from 13.9 years in 2009. Female breast cancer ranked 11th among cancer sites for American Indians at 15.4 years compared to whites where it ranked 7th with an average of 15.1 years.

**Figure 13: Average Years of Life Lost for Selected Cancers Among Whites, South Dakota, 2012**

- Cervix: 18.8
- Meninges, Brain and CNS: 17.1
- Oral Cavity and Pharynx: 16.5
- Stomach: 16.1
- Hodgkin's Lymphoma: 15.7
- Female Breast: 15.1
- Colorectal: 13.6
- Myeloma: 13.5
- Kidney & Renal Pelvis: 13.4
- Bladder: 13.0
- Liver and Intrahepatic Bile Ducts: 12.7
- Larynx: 12.5
- Esophagus: 11.8
- Ovary: 11.8
- Melanoma of the Skin: 11.5
- Non-Hodgkin's Lymphoma: 11.3
- Pancreas: 11.1
- Lung and Bronchus: 11.0
- Corpus and Uterus, NOS: 10.6
- Prostate: 10.0
- All Other and Unspecified: 12.9

Source: South Dakota Department of Health

**Figure 14: Average Years of Life Lost for Selected Cancers Among American Indians, South Dakota, 2012**

- Meninges, Brain and CNS: 51.0
- Melanoma of the Skin: 34.0
- Stomach: 33.0
- Cervix: 29.0
- Corpus and Uterus, NOS: 29.0
- Larynx: 22.0
- Esophagus: 21.5
- Kidney & Renal Pelvis: 21.0
- Liver and Intrahepatic Bile Ducts: 19.6
- Leukemia: 17.8
- Female Breast: 15.4
- Non-Hodgkin's Lymphoma: 14.5
- Colorectal: 11.8
- Oral Cavity and Pharynx: 11.7
- Pancreas: 11.0
- Myeloma: 11.0
- Lung and Bronchus: 10.2
- Ovary: 5.5
- All Other and Unspecified: 14.7

Source: South Dakota Department of Health