In both 2015 and the five-year period 2011 to 2015, 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 10,870 years of potential years lost due to cancer in 2015, compared to 9,904 years in 2008.

Table 11: Leading Causes of Years of Potential Life Lost (to 75 years of age), South Dakota, 2015

<table>
<thead>
<tr>
<th>Cause</th>
<th>YPLL 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer</td>
<td>10,870</td>
</tr>
<tr>
<td>Accidents</td>
<td>10,276</td>
</tr>
<tr>
<td>Heart Disease</td>
<td>7,314</td>
</tr>
<tr>
<td>Suicide and Self-Inflicted Injury</td>
<td>6,149</td>
</tr>
<tr>
<td>Chronic Liver and Cirrhosis</td>
<td>2,814</td>
</tr>
<tr>
<td>Diabetes Mellitus</td>
<td>2,204</td>
</tr>
<tr>
<td>Assault (Homicide)</td>
<td>1,627</td>
</tr>
<tr>
<td>Chronic Lung Diseases</td>
<td>1,525</td>
</tr>
<tr>
<td>Influenza and Pneumonia</td>
<td>931</td>
</tr>
<tr>
<td>Cerebrovascular Diseases</td>
<td>924</td>
</tr>
<tr>
<td>Septicemia</td>
<td>750</td>
</tr>
<tr>
<td>All Other Causes</td>
<td>14,350</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, 2015

Figure 10: Years of Potential Life Lost (YPLL) Before Age 75 for the Leading Causes of Death by Race, South Dakota 2011-2015 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 in 2015 for lung and bronchus for whites was 2,375 for 220 deaths whereas the YPLL for American Indians was 168 years for 19 deaths. Not all cancers were present among the American Indian population during 2015, hence the differences in the cancer sites presented.

**Figure 11: Years of Potential Life Lost for Selected Cancers Among Whites, South Dakota, 2015**

- Lung & Bronchus: 2,375
- Colorectal: 916
- Female Breast: 844
- Brain & Nervous System: 634
- Pancreas: 600
- Liver & Intrahepatic Bile Ducts: 412
- Leukemia: 383
- Esophagus: 353
- Non-Hodgkins Lymphoma: 301
- Kidney & Renal Pelvis: 268
- Stomach: 224
- Lips, Oral Cavity & Pharynx: 197
- Melanoma of the Skin: 182
- Corpus & Uterus, NOS: 181
- Ovary: 154
- Prostate: 148
- Myeloma: 80
- Bladder: 74
- Cervix: 61
- Thyroid: 35
- Mesothelioma: 18
- Larynx: 13
- Hodgkins Lymphoma: 6
- All Other & Unspecified: 1,282

**Figure 12: Years of Potential Life Lost for Selected Cancers Among American Indians, South Dakota, 2015**

- Lung & Bronchus: 168
- Colorectal: 141
- Liver & Intrahepatic Bile Ducts: 102
- Female Breast: 81
- Esophagus: 35
- Pancreas: 28
- Leukemia: 26
- Myeloma: 21
- Prostate: 19
- Larynx: 19
- Stomach: 19
- Kidney & Renal Pelvis: 18
- All Other & Unspecified: 198

Source: South Dakota Department of Health
South Dakota’s average years of life lost (AYLL) due to cancer in 2015 was 12.9 years, a slight decrease from 13.2 years in 2013. Leukemia cancer ranked eighth among cancer sites for American Indians at 13.0 years compared to whites where it ranked second with an average of 19.2 years.

Figure 13: Average Years of Life Lost for Selected Cancers Among Whites, South Dakota, 2015

- Cervix: 20.3
- Leukemia: 19.2
- Melanoma of the Skin: 18.2
- Thyroid: 17.5
- Brain & Nervous System: 17.1
- Lips, Oral Cavity & Pharynx: 16.4
- Liver & Intrahepatic Bile Ducts: 15.8
- Kidney & Renal Pelvis: 15.8
- Corpus & Uterus, NOS: 15.1
- Female Breast: 14.8
- Stomach: 14.0
- Colorectal: 12.9
- Non-Hodgkins Lymphoma: 11.6
- Myeloma: 11.4
- Esophagus: 11.0
- Ovary: 11.0
- Pancreas: 10.9
- Lung & Bronchus: 10.8
- Larynx: 6.5
- Bladder: 6.2
- Mesothelioma: 6.0
- Prostate: 5.7
- Hodgkins Lymphoma: 3.0
- All Other & Unspecified: 14.9

Source: South Dakota Department of Health

Figure 14: Average Years of Life Lost for Selected Cancers Among American Indians, South Dakota, 2015

- Myeloma: 21.0
- Stomach: 19.0
- Kidney & Renal Pelvis: 18.0
- Liver & Intrahepatic Bile Ducts: 17.0
- Female Breast: 16.2
- Colorectal: 15.7
- Pancreas: 14.0
- Leukemia: 13.0
- Esophagus: 11.7
- Prostate: 9.5
- Larynx: 9.5
- Lung & Bronchus: 8.8
- All Other & Unspecified: 22.0

Source: South Dakota Department of Health
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