VIII. YEARS OF POTENTIAL LIFE LOST

In both 2011 and the five-year period 2007 to 2011, 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 10,116 years of potential years lost due to cancer in 2011, compared to 9,904 years in 2008.

Table 11: Leading Causes of Years of Potential Life Lost (to 75 years of age), South Dakota, 2011

<table>
<thead>
<tr>
<th>Cause</th>
<th>YPLL 2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer</td>
<td>10,116</td>
</tr>
<tr>
<td>Accidents</td>
<td>8,895</td>
</tr>
<tr>
<td>Heart Disease</td>
<td>6,537</td>
</tr>
<tr>
<td>Suicide and Self-Inflicted Injury</td>
<td>4,147</td>
</tr>
<tr>
<td>Chronic Liver and Cirrhosis</td>
<td>1,910</td>
</tr>
<tr>
<td>Diabetes Mellitus</td>
<td>1,825</td>
</tr>
<tr>
<td>Chronic Lung Diseases</td>
<td>1,519</td>
</tr>
<tr>
<td>Cerebrovascular Disease</td>
<td>1,065</td>
</tr>
<tr>
<td>Homicide</td>
<td>1,022</td>
</tr>
<tr>
<td>Influenza and Pneumonia</td>
<td>965</td>
</tr>
<tr>
<td>Septicemia</td>
<td>601</td>
</tr>
<tr>
<td>All Other Causes</td>
<td>12,681</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, 2011

Figure 10: Years of Potential Life Lost (YPLL) Before Age 75 for the Leading Causes of Death by Race, South Dakota 2007-2011 Average*

* Number of years are averaged over the five-year period. Source: South Dakota Department of Health

Source: South Dakota Department of Health

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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 2,357 for 210 deaths whereas the YPLL for American Indians was 194 years for 15 deaths which occurred during 2011. Not all cancers were present among the American Indian population during 2011, hence the differences in the cancer sites presented.

**Figure 11: Years of Potential Life Lost for Selected Cancers Among Whites, South Dakota, 2011**

- Lung and Bronchus: 2,357
- Breast, Female: 890
- Colorectal: 540
- Pancreas: 428
- Leukemia: 586
- Meninges, Brain and CNS: 537
- Kidney and Renal Pelvis: 289
- Non-Hodgkin's Lymphoma: 373
- Esophagus: 350
- Prostate: 256
- Liver and Intrahepatic Bile Ducts: 230
- Ovary: 175
- Melanoma of the Skin: 268
- Corpus and Uterus, NOS: 196
- Stomach: 135
- Myeloma: 64
- Bladder: 102
- Oral Cavity and Pharynx: 155
- Larynx: 41
- Thyroid: 29
- Hodgkin's Lymphoma: 100
- Cervix: 40
- All Other and Unspecified: 1,090

**Figure 12: Years of Potential Life Lost for Selected Cancers Among American Indians, South Dakota, 2011**

- Lung and Bronchus: 194
- Colorectal: 84
- Pancreas: 75
- Meninges, Brain and CNS: 70
- Breast, Female: 49
- Prostate: 31
- Oral Cavity and Pharynx: 31
- Cervix: 26
- Liver and Bile Ducts: 21
- Corpus and Uterus, NOS: 16
- Non-Hodgkin's Lymphoma: 13
- Leukemia: 12
- Esophagus: 12
- Kidney and Renal Pelvis: 3
- All Other and Unspecified: 70

Source: South Dakota Department of Health
South Dakota’s average years of life lost (AYLL) due to cancer in 2011 was 12.9 years, a decrease from 13.9 years in 2009. Pancreatic cancer ranked second among cancer sites for American Indians at 18.8 years compared to whites where it ranked 12th with an average of 11.6 years.

**Figure 13: Average Years of Life Lost for Selected Cancers Among Whites, South Dakota, 2011**

- Hodgkin's Lymphoma: 33.3
- Melanoma of the Skin: 17.9
- Leukemia: 17.8
- Oral Cavity and Pharynx: 17.2
- Meninges, Brain and CNS: 16.8
- Non-Hodgkin's Lymphoma: 14.3
- Corpus and Uterus, NOS: 14.0
- Breast, Female: 13.7
- Liver and Bile Ducts: 13.5
- Esophagus: 13.5
- Stomach: 12.3
- Pancreas: 11.6
- Colorectal: 11.5
- Lung and Bronchus: 11.2
- Ovary: 10.9
- Kidney and Renal Pelvis: 10.7
- Prostate: 10.7
- Bladder: 10.2
- Thyroid: 9.7
- Larynx: 8.2
- Myeloma: 6.4
- All Other and Unspecified: 15.1

**Figure 14: Average Years of Life Lost for Selected Cancers Among American Indians, South Dakota, 2011**

- Lung and Bronchus: 12.9
- Colorectal: 12.0
- Pancreas: 18.8
- Meninges, Brain and CNS: 70.0
- Breast, Female: 9.8
- Prostate: 10.3
- Oral Cavity and Pharynx: 15.5
- Cervix: 13.0
- Liver and Bile Ducts: 10.5
- Corpus and Uterus, NOS: 16.0
- Non-Hodgkin's Lymphoma: 13.0
- Leukemia: 12.0
- Esophagus: 6.0
- Kidney and Renal Pelvis: 3.0
- All Other and Unspecified: 14.0

Source: South Dakota Department of Health