Table 20: Melanoma of the Skin Incidence and Mortality Summary, 2016

<table>
<thead>
<tr>
<th>Melanoma of the Skin</th>
<th>Incidence</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>Male</td>
</tr>
<tr>
<td>South Dakota Total</td>
<td>232</td>
<td>131</td>
</tr>
<tr>
<td>Age-Adjusted Rate</td>
<td>24.1</td>
<td>28.0</td>
</tr>
<tr>
<td>White Total</td>
<td>229</td>
<td>130</td>
</tr>
<tr>
<td>Age-Adjusted Rate</td>
<td>26.1</td>
<td>30.0</td>
</tr>
<tr>
<td>American Indian Total</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Age-Adjusted Rate</td>
<td>1.8</td>
<td>0.0</td>
</tr>
<tr>
<td>United States Total</td>
<td>22.4</td>
<td>29.0</td>
</tr>
<tr>
<td>White Age-Adjusted Rate</td>
<td>26.7</td>
<td>33.9</td>
</tr>
<tr>
<td>American Indian Age-Adjusted Rate</td>
<td>6.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

In Situ 45%
Unknown 1%
Distant 2%
Regional 4%
Localized 48%

Source: South Dakota Department of Health

Descriptive Epidemiology

Stage at Diagnosis: Melanoma is staged by the depth of invasion and the extension of the lesion. In 2016, almost half of the melanoma of the skin cases reported for South Dakota were localized. Another 45% were staged as in situ disease. The survival rate for localized melanoma is 98.7%. For distant disease, the survival rate is 24.8% at five years.

Incidence: In the United States in 2016, the American Cancer Society estimated that there would be 76,380 new cases of melanoma of the skin. There are three forms of skin cancer: basal cell, squamous cell, and melanoma. Melanoma is by far the most dangerous form of skin cancer.

Mortality: There were 20 deaths attributed to melanoma of the skin in South Dakota in 2016 with a mortality rate of 1.8 and the United States mortality rate was 2.2. The median age for death in South Dakota for this cancer was 70, the same age as the United States.

Risk and Associated Factors: Certain factors are more likely to contribute to a higher risk:

- Lighter natural skin color
- Family history of skin cancer
- Personal history of skin cancer
- Exposure to the sun
- History of sunburns early in life
- Skin that burns, freckles, reddens easily
- Blue or green eyes, blond or red hair
- Large number of moles

Early Detection and Prevention: The best way to prevent skin cancer is to protect the skin from the sun. The CDC recommends five easy options for protection from sunburn:

- use sun-glasses
- use sunscreen regularly
- stay in the shade
- cover skin
- wear a hat
Figure 47: Melanoma of the Skin Number of Cases and Deaths by Age, South Dakota, 2016

Source: South Dakota Department of Health

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

Source: South Dakota Department of Health

Figure 48: Melanoma of the Skin Cases and Deaths by Year, South Dakota, 2001 - 2016

The incidence count for melanoma cancers peaked in 2014.

Figure 49: Melanoma of the Skin Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001 - 2016

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