Table 20: Melanoma of the Skin Incidence and Mortality Summary, 2018

<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</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total # Cases / Deaths Age-Adjusted Rate</td>
<td>304</td>
<td>29.5</td>
</tr>
<tr>
<td>White # Cases / Deaths Age-Adjusted Rate</td>
<td>303</td>
<td>32.4</td>
</tr>
<tr>
<td>American Indian # Cases / Deaths Age-Adjusted Rate</td>
<td>1</td>
<td>2.1</td>
</tr>
<tr>
<td>United States</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Age-Adjusted Rate</td>
<td>22.7</td>
<td>6.0</td>
</tr>
<tr>
<td>White Age-Adjusted Rate</td>
<td>27.9</td>
<td>6.0</td>
</tr>
<tr>
<td>American Indian Age-Adjusted Rate</td>
<td>6.0</td>
<td>6.0</td>
</tr>
</tbody>
</table>


Figure 46: Melanoma of the Skin Stage at Diagnosis, South Dakota, 2018

Descriptive Epidemiology

Stage at Diagnosis: Melanoma is staged by the depth of invasion and the extension of the lesion. In 2018, 43% of the melanoma of the skin cases reported for South Dakota were localized. Another 51% were staged as in situ disease. The survival rate for localized melanoma is 99.4%. For distant disease, the five-year survival rate is 29.8%.

Incidence: In the United States in 2018, the American Cancer Society estimated that there would be 91,270 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 34 deaths attributed to melanoma of the skin in South Dakota in 2018 with a mortality rate of 3.4 and the United States mortality rate was 2.3. The median age for death in South Dakota for this cancer was 70.5. The median age for the United States was 71.

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
- A large number of moles

Prevention and Early Detection: 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 sunglasses
- 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, 2018

Source: South Dakota Department of Health

Figure 48: Melanoma of the Skin Cases and Deaths by Year, South Dakota, 2001 - 2018

The incidence count for melanoma cancers reached an all-time high in 2017.

Figure 49: Melanoma of the Skin Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001 - 2018

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