

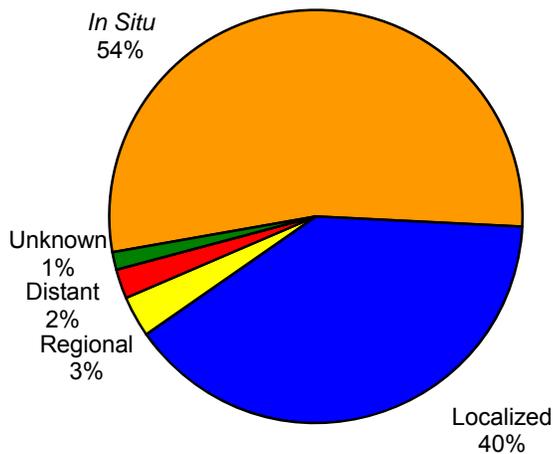
MELANOMA OF THE SKIN

Table 20: Melanoma of the Skin Incidence and Mortality Summary, 2013

| Melanoma of the Skin | | | Incidence | | | Mortality | | |
|----------------------|-----------------|-------------------|-----------|------|--------|-----------|------|--------|
| | | | Total | Male | Female | Total | Male | Female |
| South Dakota | Total | # Cases / Deaths | 202 | 111 | 91 | 21 | 13 | 8 |
| | | Age Adjusted Rate | 21.4 | 24.2 | 19.4 | 2.1 | 2.7 | 1.5 |
| | White | # Cases / Deaths | 199 | 109 | 90 | 20 | 13 | 7 |
| | | Age Adjusted Rate | 22.9 | 25.5 | 21.1 | 2.2 | 3.0 | 1.4 |
| | American Indian | # Cases / Deaths | 3 | 2 | 1 | 0 | 0 | 0 |
| | | Age Adjusted Rate | 5.3 | 6.5 | 4.1 | 0.0 | 0.0 | 0.0 |
| United States | Total | Age Adjusted Rate | 22.4 | 29.5 | 17.2 | 2.7 | 4.0 | 1.6 |
| | White | Age Adjusted Rate | 26.5 | 34.4 | 20.6 | 3.1 | 4.6 | 1.9 |
| | American Indian | Age Adjusted Rate | 4.0 | 4.9 | 3.2 | 0.0 | 0.0 | 0.0 |

Rates per 100,000 age-adjusted to 2000 US standard population and 2013 SD estimated population. US rates www.seer.cancer.gov Source: South Dakota Department of Health

Figure 46: Melanoma of the Skin Stage at Diagnosis, South Dakota, 2013



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 2013, over half of the melanoma of the skin cases reported for South Dakota were *in situ*. Another 40% were staged as localized disease. The survival rate for localized melanoma is 98.4%. For distant disease, the survival rate is 17.9% at 5 years.

Incidence: In the United States in 2013, the American Cancer Society estimated that there would be 76,690 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.

Melanoma is primarily a cancer of the white populations. In South Dakota, the incidence rate was 21.4 and the United States had an incidence rate of 22.4 in 2013.

Mortality: There were 21 deaths attributed to melanoma of the skin in South Dakota in 2013 with a mortality rate of 2.1 and the United States mortality rate was 2.7. The median age for death in South Dakota for this cancer was 62 in 2013. Nationwide, the median age at death was 69 for melanoma of the skin.

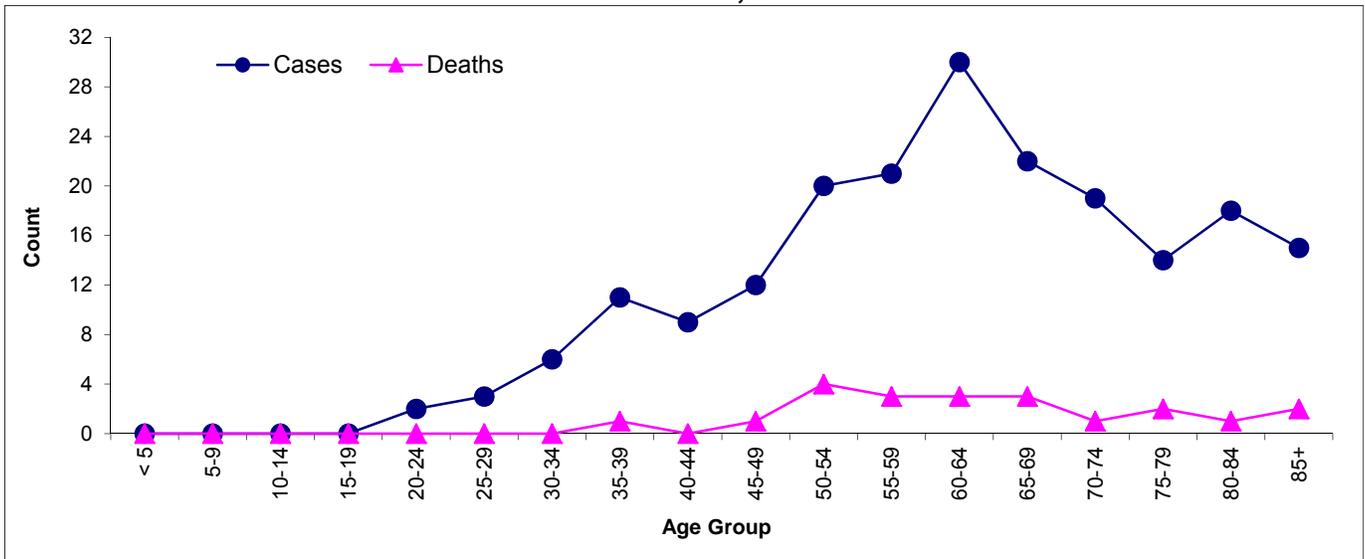
Risk and Associated Factors: Certain factors are more likely to contribute to a higher risk. These are:

- 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:

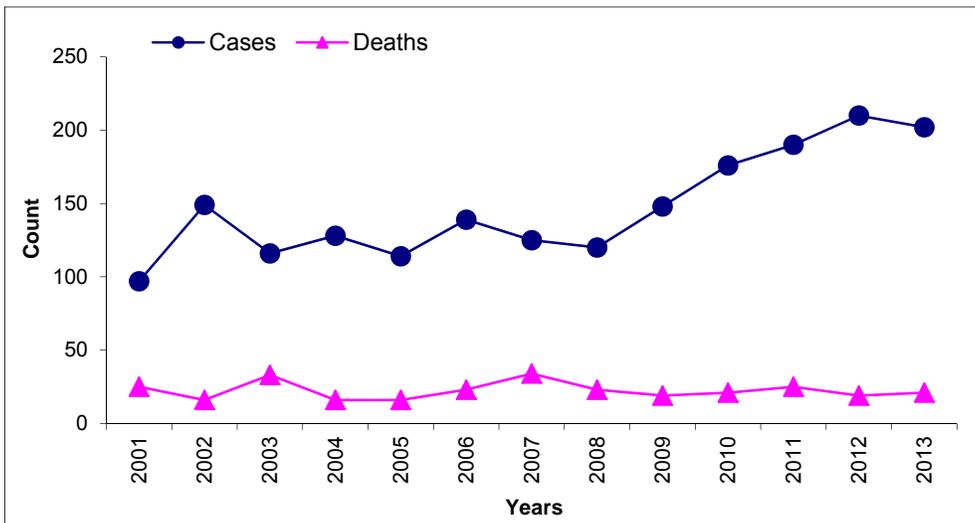
- use sun glasses
- use sunscreen regularly
- stay in the shade
- cover skin
- wear a hat

Figure 47: Melanoma of the Skin Number of Cases and Deaths by Age, South Dakota, 2013



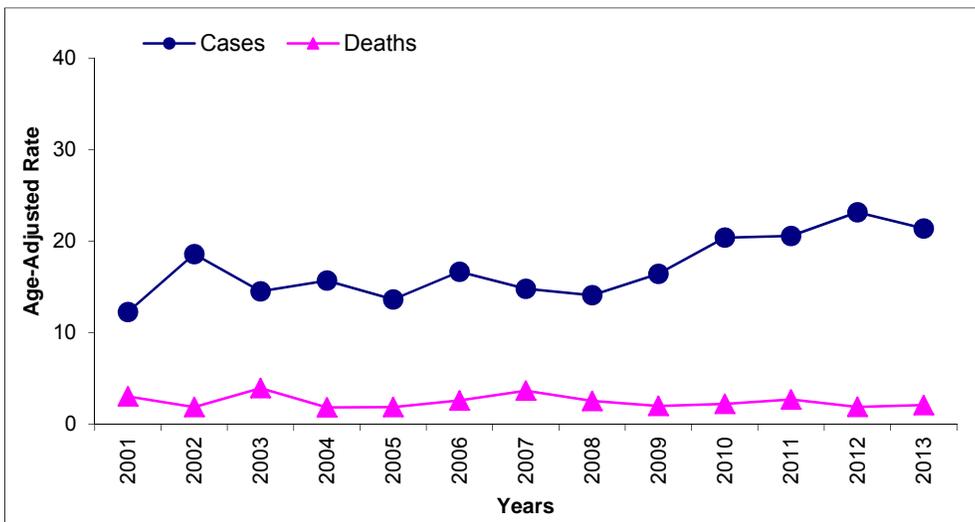
Source: South Dakota Department of Health

Figure 48: Melanoma of the Skin Cases and Deaths by Year, South Dakota, 2001 - 2013



Source: South Dakota Department of Health

Figure 49: Melanoma of the Skin Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001 - 2013



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