

MELANOMA OF THE SKIN

Table 20: Melanoma of the Skin Incidence and Mortality Summary, 2010

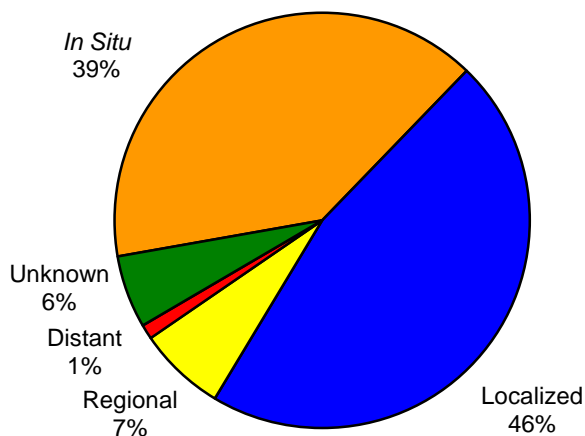
Melanoma of the Skin			Incidence			Mortality		
			Total	Male	Female	Total	Male	Female
South Dakota	Total	# Cases / Deaths	159	80	79	21	11	10
		Age Adjusted Rate	18.2	18.8	18.0	2.2	2.6	2.0
	White	# Cases / Deaths	157	79	78	21	11	10
		Age Adjusted Rate	19.5	19.9	19.6	2.4	2.7	2.1
	American Indian	# Cases / Deaths	2	1	1	0	0	0
		Age Adjusted Rate	2.7	2.3	3.0	0.0	0.0	0.0
United States	Total	Age Adjusted Rate	* 21.0	* 27.3	* 16.6	* 2.8	* 4.2	* 1.8
	White	Age Adjusted Rate	* 24.6	* 31.5	* 19.7	* 3.2	* 4.8	* 2.0
	American Indian	Age Adjusted Rate	* 1.9	* 1.3	* 2.3	* 1.2	* 2.1	*

Rates per 100,000 age-adjusted to 2000 US standard population and 2010 SD census population.

* US Incidence and Mortality rates are from 2009, the 2010 rate is not available at this time. US rates www.seer.cancer.gov

Source: South Dakota Department of Health

Figure 46: Melanoma of the Skin Stage at Diagnosis, South Dakota, 2010



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 2010, there were 159 cases of melanoma of the skin reported for South Dakota. Of this number, 123 (46%) were staged as localized disease. The survival rate for localized melanoma is 98.2%. For distant disease, the survival rate is 15.1% at 5 years.

Incidence: In the United States in 2010, the American Cancer Society estimated that there would be 68,130 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 is 18.2 and the United States has an incidence rate of 21.0.

Mortality: There were 21 deaths attributed to melanoma of the skin in South Dakota in 2010 with a mortality rate of 2.2. The last reported mortality rate for the United States (2009) was 2.8. The median age for death in South Dakota for this cancer was 74 in 2010. Nationwide, the median age at death was 68 for melanoma of the skin.

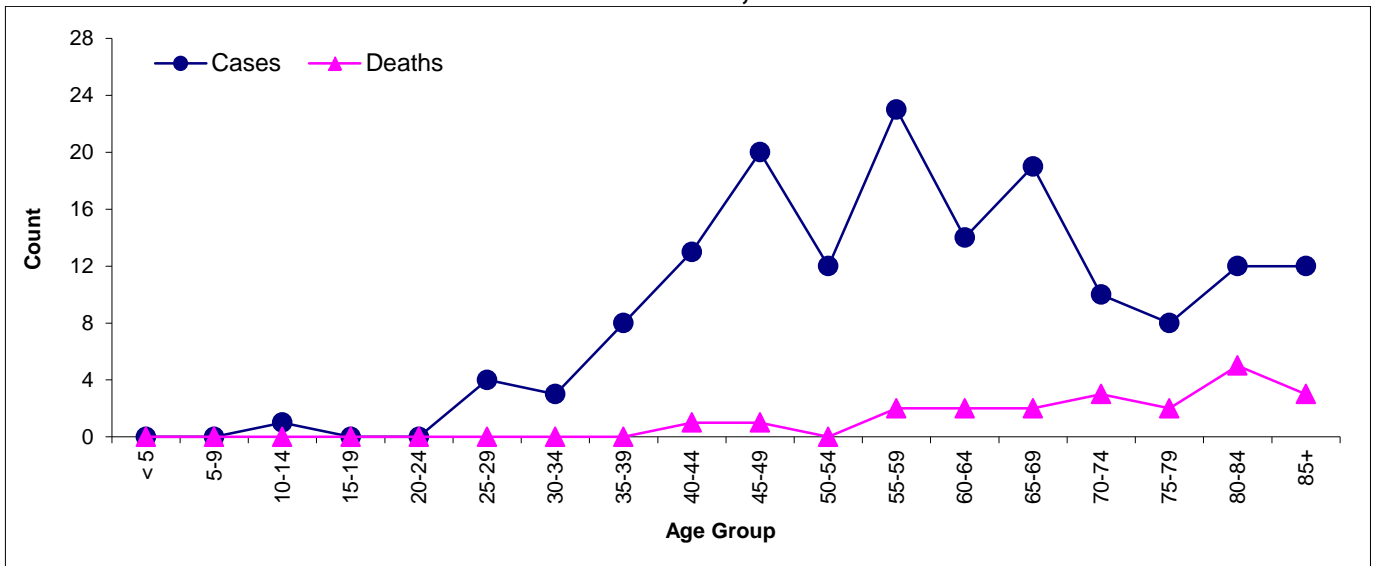
Risk and Associated Factors: Certain factors are more likely to contribute to a higher risk. These are:

- 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:

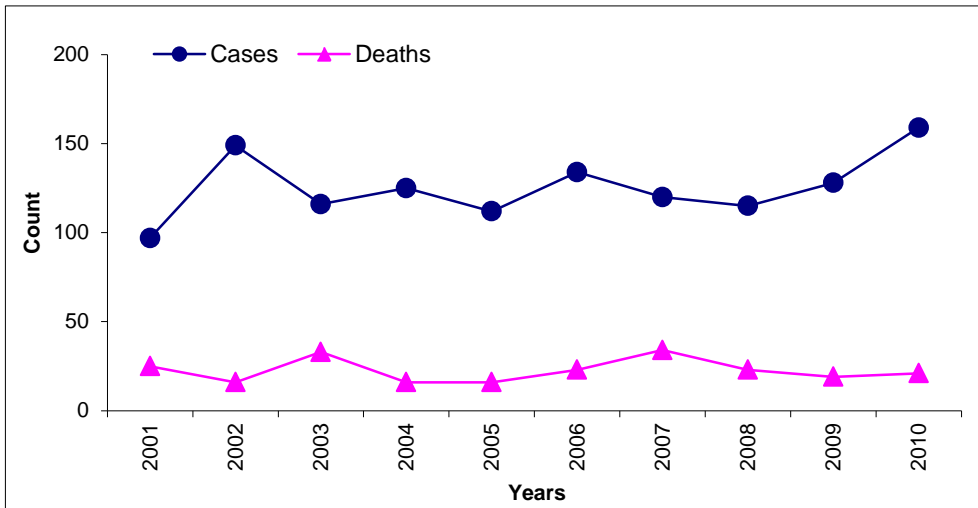
- use sun glasses
- use sunscreen regularly
- stay in the shade
- cover skin
- wear a hat

Figure 47: Melanoma of the Skin Number of Cases and Deaths by Age, South Dakota, 2010



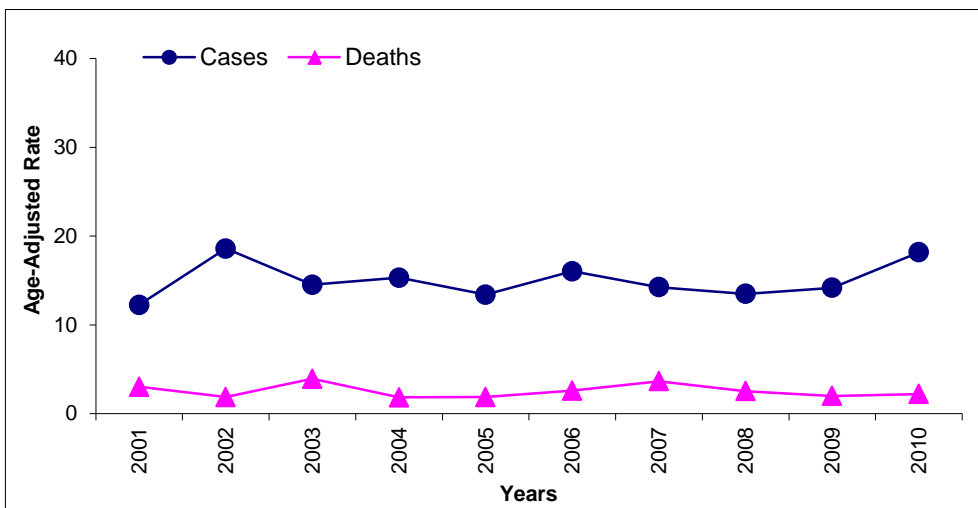
Source: South Dakota Department of Health

Figure 48: Melanoma of the Skin Cases and Deaths by Year, South Dakota, 2001 - 2010



Source: South Dakota Department of Health

Figure 49: Melanoma of the Skin Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001 - 2010



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