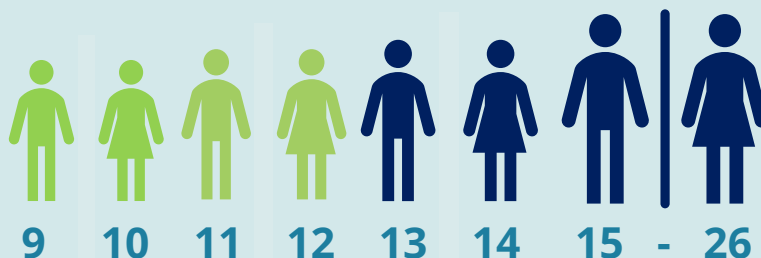


HPV Cancer Prevention In South Dakota

The HPV vaccine prevents over 90% of HPV-associated cancers

Between 9 and 26 years of age?
Get Vaccinated to Prevent Cancer



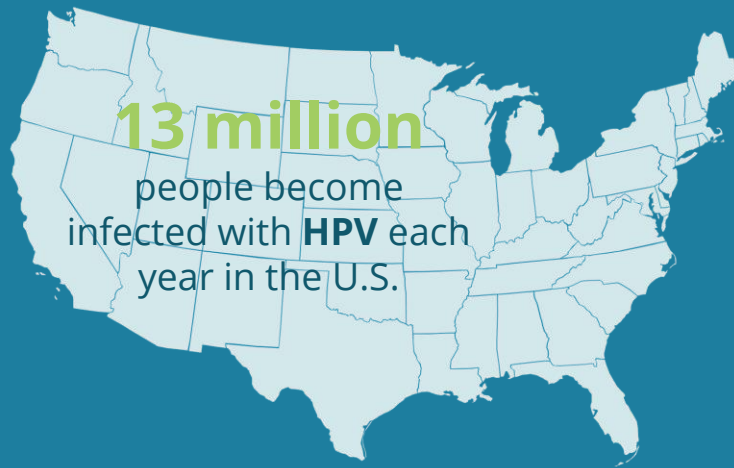
August 2023

PROTECT YOUR FAMILY FROM CANCER

Human Papillomavirus (HPV)

HPV is a common infection caused by the human papillomavirus

HPV vaccination can prevent cancer in men and women



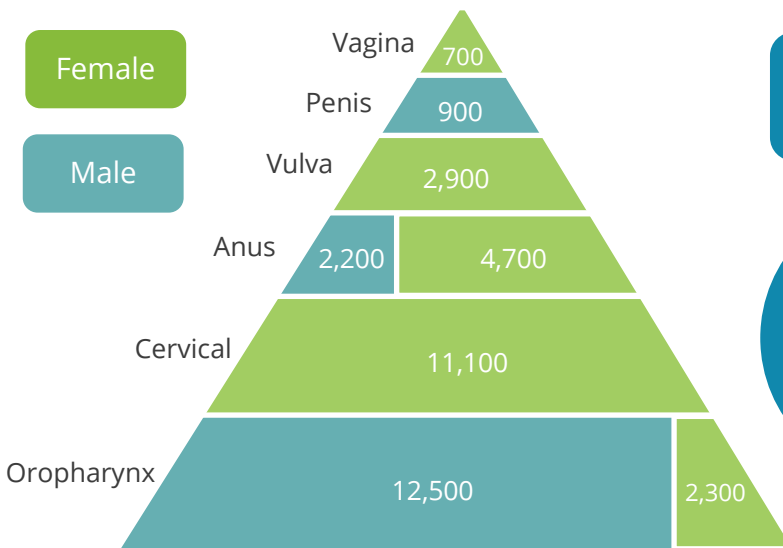
8 in 10 people will get infected with **HPV** in their lifetime

90% of cancers caused by HPV can be prevented with **HPV vaccination**

Source: [CDC](#)

HPV-Associated Cancers in the U.S.

HPV is a **major cause** of the following **cancers** (Average Cases in the U.S. 2021):



Each Year in the U.S. HPV Causes:

200,000
Cervical pre-cancer cases

11,100
Cervical cancer cases

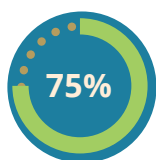
4,000
Cervical cancer deaths

Source: [CDC](#)

Percentage of cancers by site that are most likely caused by HPV



Cervix



Vagina



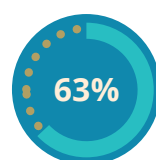
Vulva



Anus-Female



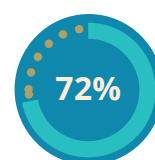
Oropharynx-Female



Penis



Anus-Male



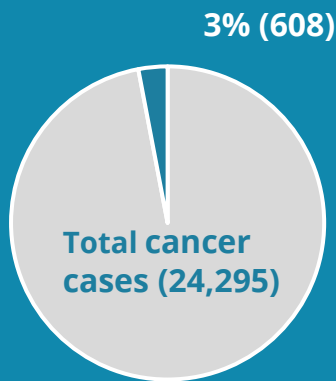
Oropharynx-Male

Source: [Saraiya M, et al., 2015](#)

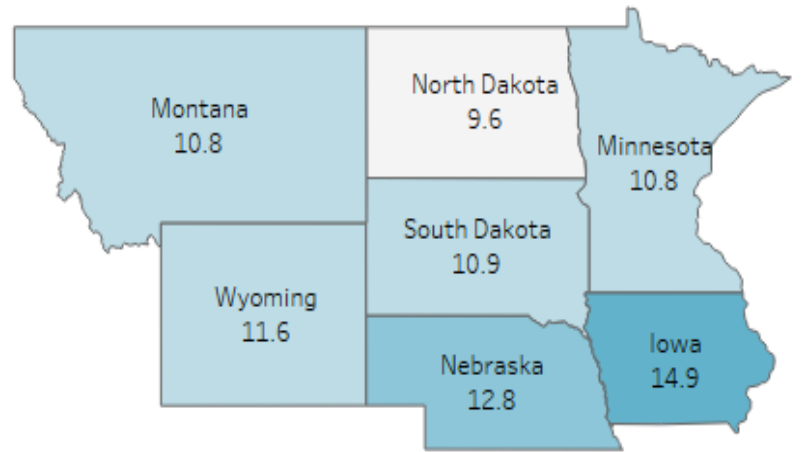
HPV-Associated Cancers in SD

Incidence

Nearly **3%** of all cancers diagnosed in South Dakota from 2016 to 2020 were in a primary site (cancer cases= 608) that were commonly caused by HPV.

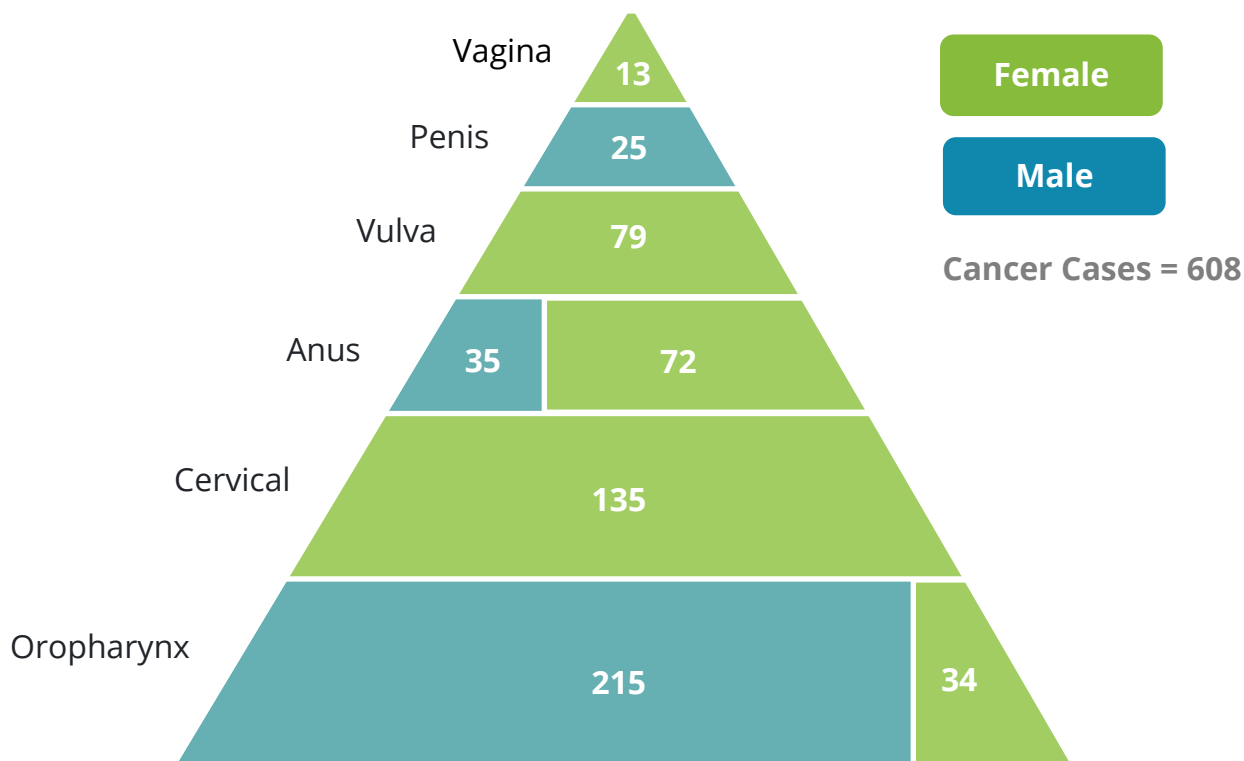


Incidence Rate of HPV-Associated Cancers in South Dakota and Surrounding States, Males and Females, All Races, 2019



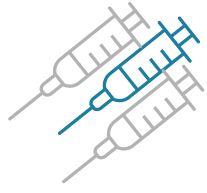
Note: Age-adjusted rates per 100,000 of all HPV-associated cancer.
Source: [USCS](#)

Number of Cancer Cases by Primary Site that Are Most Commonly Caused By HPV in South Dakota, 2016-2020



Source: SD Cancer Registry

HPV Vaccination



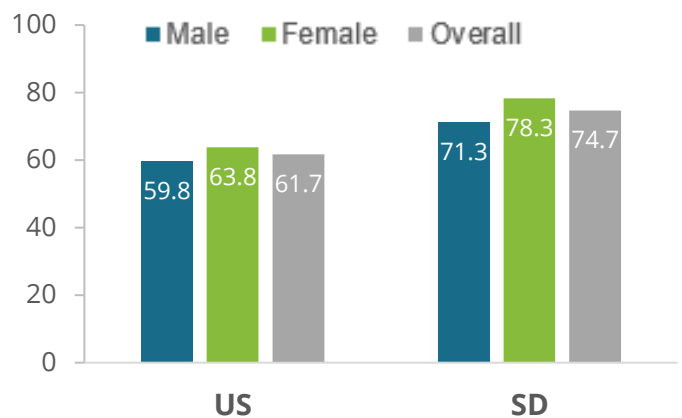
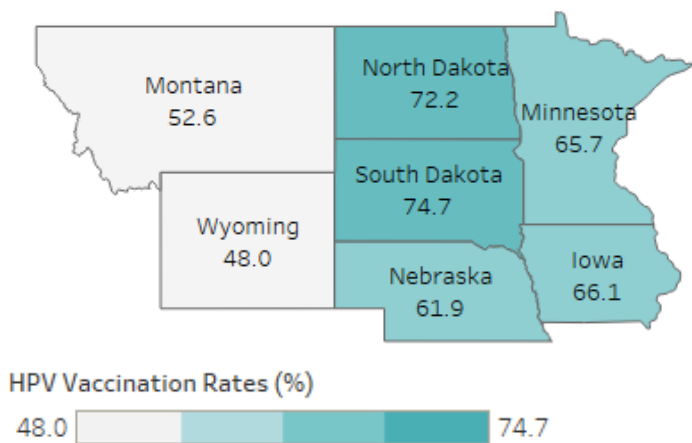
Since the introduction of the HPV vaccine in the United States (U.S.) in 2006, there has been a decline in the incidence of HPV infections and cervical pre-cancers.

- An **88% decrease** in infections caused by HPV among teens
- A **40% reduction** in **cervical pre-cancers** caused by HPV



Sources: [MMWR 2021](#); [McClung, 2019](#)

Up-To-Date HPV Vaccination Percentages, 13-17 Years of Age, 2021



Source: [CDC, NIS-Teen, 2021](#)

HPV VACCINATION RECOMENDATIONS

The HPV vaccine can **reduce the risk** of HPV-related **cancers**. The CDC recommends the vaccine be given through age 26. However, it works best when it is given before exposure to the virus and administered at ages 9-14.

The HPV vaccine is safe, effective for boys and girls.

*Discuss with your doctor, as three doses may still be recommended for some adolescents. **Shared clinical decision-making is recommended for individuals aged 27-45. Ask your doctor if HPV vaccination is appropriate for you.

AGE	RECOMMENDED NUMBER OF DOSES	SCHEDULE
9 through 14 years	2 – dose*	0, 6 –12 months
15 through 26 years	3 – dose	0, 2, 6 months
27 through 45 years**	3 – dose	0, 2, 6 months

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