

# HUMAN PAPILOMAVIRUS

Human papillomavirus (HPV) is a virus that infects the skin, genital area and lining of the cervix. There are many different types of papillomaviruses (about 100). Some types cause warts on the skin. Some cause warts in the anal and genital areas. Some cause cancers of the neck, head, or genital regions (e.g., cervix, anus, penis). HPV is the only known cause of cervical cancer.

## What Are the Symptoms of HPV?

Majority of People



Most people do not have symptoms, so they never know they had HPV.

Few People

When people develop symptoms, their symptoms depend on the type of HPV they are infected with:



Anal, genital or oral warts



Cancers of the head, neck or genital regions

## HPV Type Alert!



7 out of 10 cervical cancer cases are caused by HPV types **16 and 18**, which are the most common.

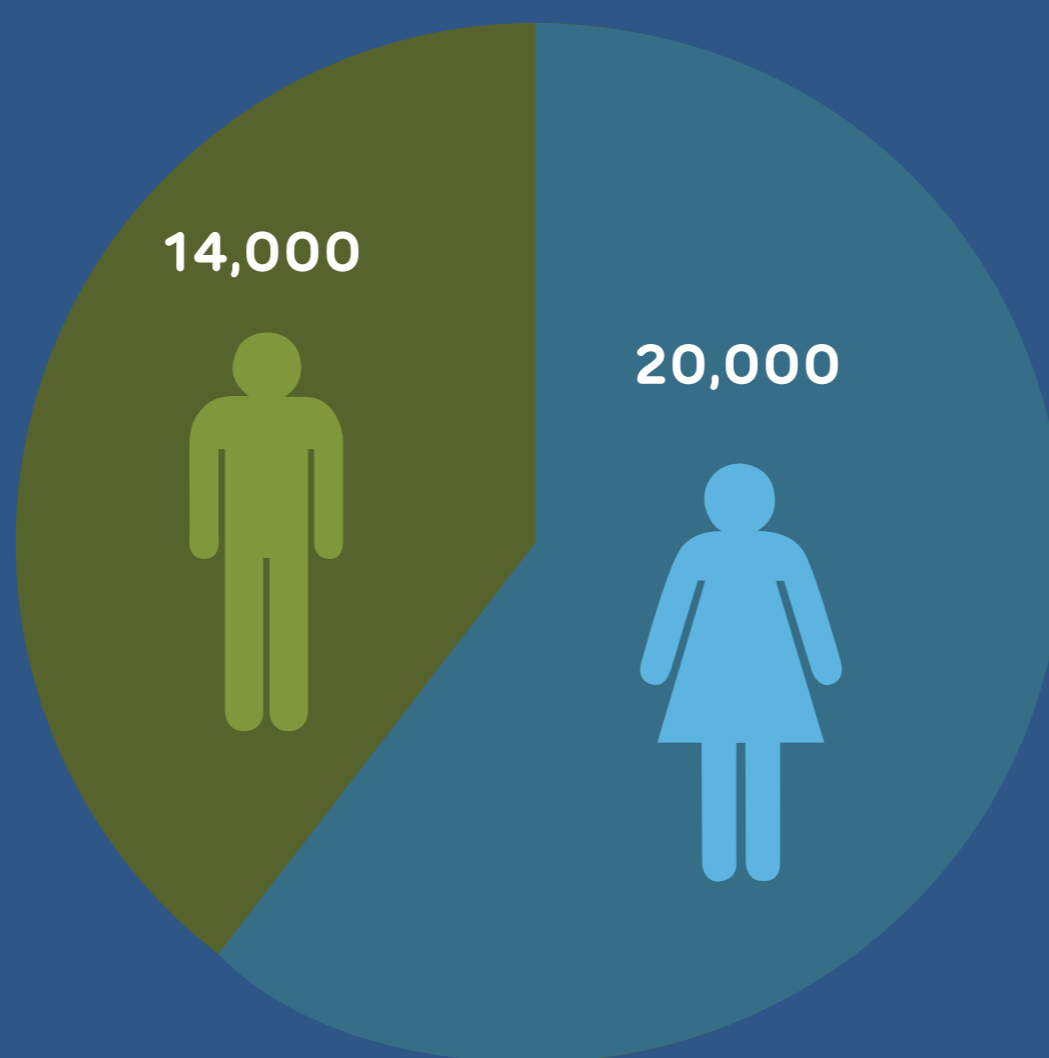
9 out of 10 anal and genital wart cases are caused by HPV types **6 and 11**.

## DID YOU KNOW?

The HPV vaccine, known as GARDASIL, protects against these 4 offenders + 5 other high-risk types (31, 33, 45, 52, and 58!)

## Every Year in the United States About 34,000 HPV-Associated Cancers Occur:

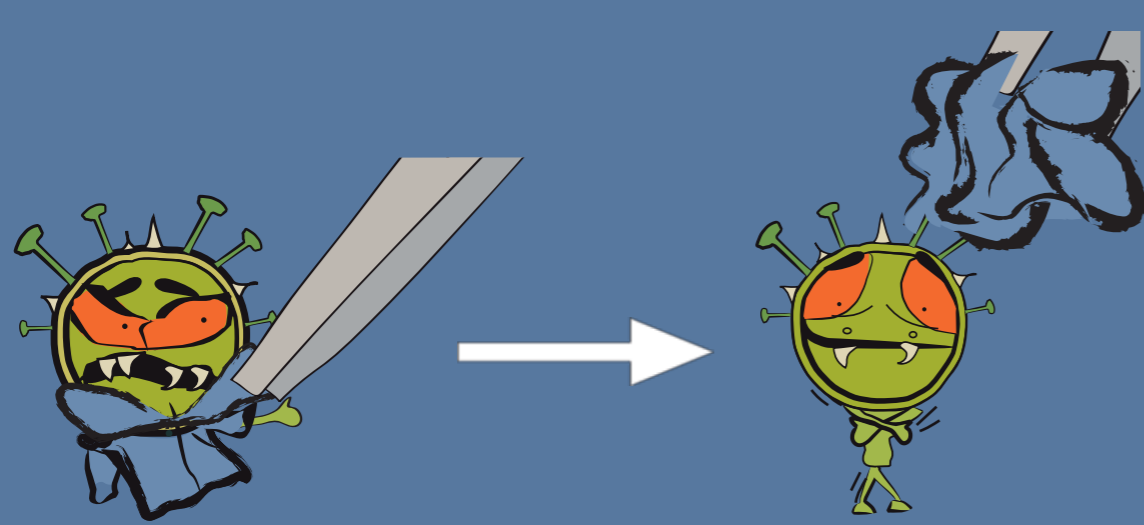
About 10,700 of the 14,000 cases in men are head and neck cancers.



About 10,800 of the 20,000 cases in women are cervical cancer. About 4,000 women die each year from cervical cancer.

About 2,200 of the 20,000 cases in women are head and neck cancers.

## How Is the HPV Vaccine Made?



The HPV vaccine is made using a protein that resides on the surface of the virus. The protein is made in the lab in yeast cells. While the protein folds itself into the shape of the virus, it does not contain HPV genetic material, so it can't reproduce itself or cause illness. The vaccine includes the surface protein from 9 types of HPV.

## Who Should Get the HPV Vaccine?

11 to 12 years

15 years and older



The vaccine is given as two shots separated by 6 to 12 months if started before 15 years of age. For those 15 years and older, and teens of any age with a compromised immune system, three doses are recommended. The second shot should be given 1 to 2 months after the first, and the third shot, 6 months after the first.

## DID YOU KNOW?

The HPV vaccine is licensed for use in people up to 45 years in age!