

HPV-Related Cancers

State of Texas



Human papillomaviruses (HPVs) are a group of more than 200 related viruses that spread through direct contact of skin and mucous membranes. HPV is the most common sexually transmitted infection in the USA. While most HPV infections resolve within 2 years, some may lead to cancer.

HPV Cancer Facts

The following list shows the most common types/sites of HPV cancer in the US:

- Oropharynx
- Anus & Rectum
- Penis
- Cervix
- Vulva
- Vagina

Oropharyngeal cancer is the most common HPV-related cancer among males while cervical cancer is the most common HPV-related cancer among females.

HPV contributes to:

- 70% of vaginal and vulvar cancers
- Over 60% of penile cancer
- Over 90% of cervical and rectal cancers.

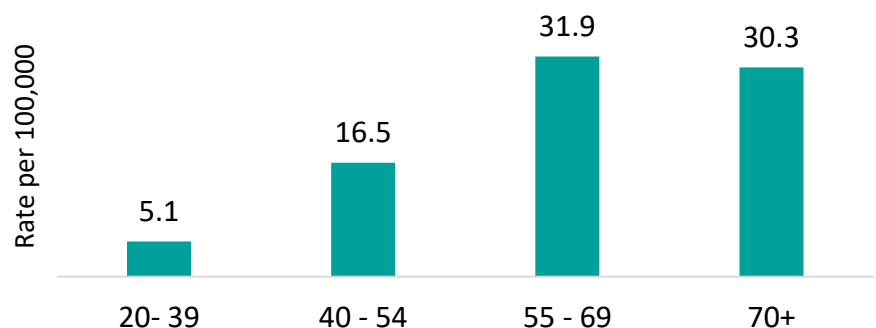
HPV-Related Cancer Incidence Rate – 2014-2018

The 5 year average age-adjusted incidence rate for HPV-related cancer (all sites combined) was **11.7 per 100,000** for Texas.

By Sex



By Age Group (Years)

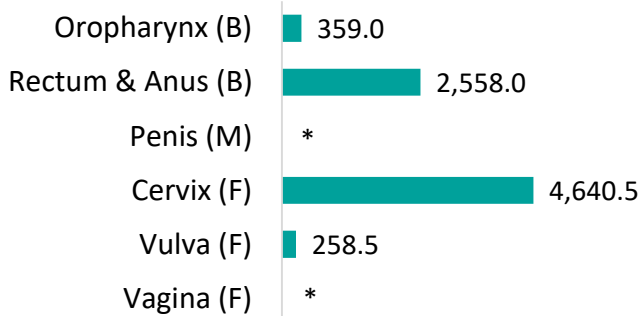


By Race/Ethnicity

	Rate per 100,000	95% CI
Non-Hispanic White	13.6	13.3 - 13.9
Non-Hispanic Black	10.2	9.7 - 10.8
Hispanic	9.8	9.5 - 10.1
Non-Hispanic Asian/Pacific Islander	4.2	3.7 - 4.8
Non-Hispanic American Indian	9.5	7.0 - 12.6

CI = Confidence Interval

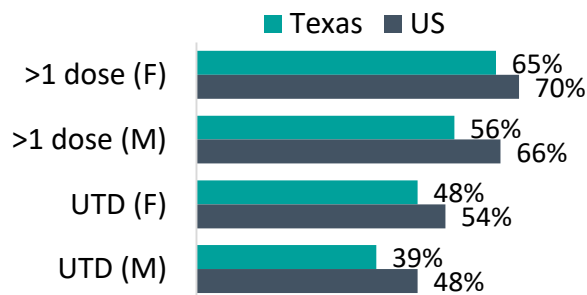
Years of Potential Life Lost due to HPV-Related Cancer, by Cancer Site, 2016



Abbreviations: B = Both sexes; F = Females only; M = Males only

* = Suppressed due to fewer than 20 deaths reported

HPV Vaccines, Ages 13-17 Years - 2018



Abbreviations: F = Females; M = Males; UTD = Up-to-date

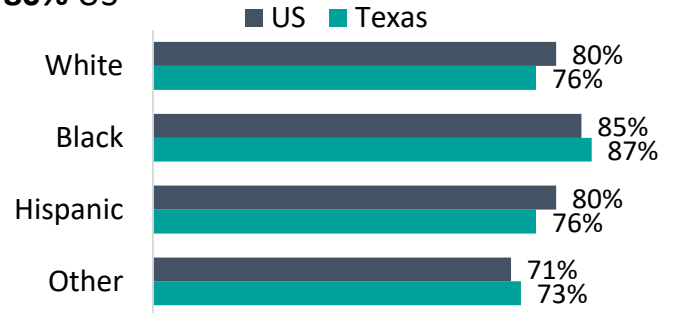
HPV-Related Cancer Mortality Rate, by Cancer Site, 2012-2016

Cancer Site	Rate per 100,000 (95% CI)
Oropharynx (B)	1.0 (1.0 – 1.1)
Rectum & Anus (B)	2.2 (2.0 – 2.1)
Penis (M)	0.2 (0.2 – 0.3)
Cervix (F)	2.8 (2.7 – 3.0)
Vulva (F)	0.4 (0.4 – 0.5)
Vagina (F)	0.2 (0.2 – 0.3)

Abbreviations: CI = Confidence Interval; B = Both sexes; F = Females only; M = Males only

HPV Screening, Testing - 2018

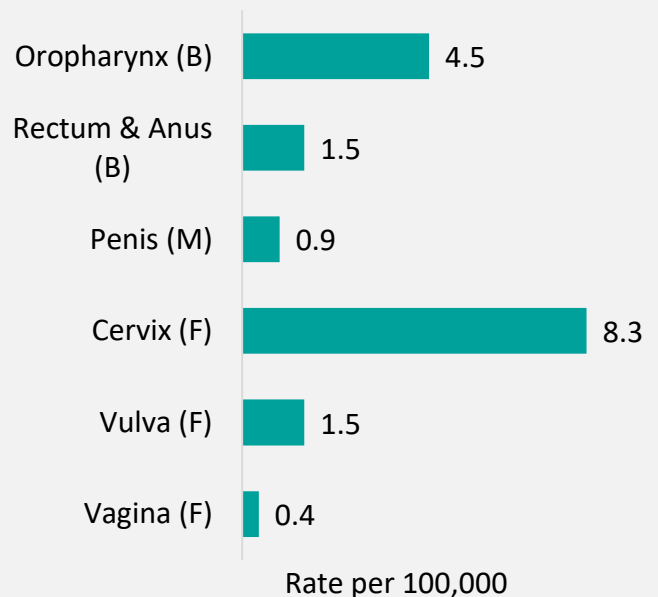
Estimated prevalence of PAP test in past 3 years, females ages 21-65 years: **77% Texas, 80% US**



An estimated **46%** of Texas females age 18 years and older have been tested for HPV



HPV-Related Cancer Incidence Rate, by Cancer Site, 2014-2018



Data Sources: Cancer facts: Centers for Disease Control and Protection (CDC) at <https://www.cdc.gov/cancer/hpv/statistics/index.htm>, https://www.cdc.gov/cancer/hpv/basic_info/cancers.htm, and https://www.cdc.gov/cancer/hpv/basic_info/hpv_oropharyngeal.htm; Incidence data, Texas Cancer Registry, 2012-2016; Mortality / Years Potential Life Lost data, Texas Department of State Health Services, Center for Health Statistics; Population 2012 - 2018, Texas Department of State Health Services, Center for Health Statistics; Screening and Vaccine rates, Texas Behavioral Risk Factor Surveillance System (BRFSS) public use data file, 2018, Texas Department of State Health Services, Center for Health Statistics, and USA @ <https://nccd.cdc.gov/weat/#/crossTabulation/selectYear>; HPV Vaccines, National Immunization Survey –Teen (NIS), 2018 Texas Department of State Health Services online report @ [https://www.dshs.texas.gov/immunize/coverage/NIS/National-Immunization-Survey-Teen-\(NIS-Teen\)-2018,-Texas/](https://www.dshs.texas.gov/immunize/coverage/NIS/National-Immunization-Survey-Teen-(NIS-Teen)-2018,-Texas/)