



## A PATH TO PREVENTION: →

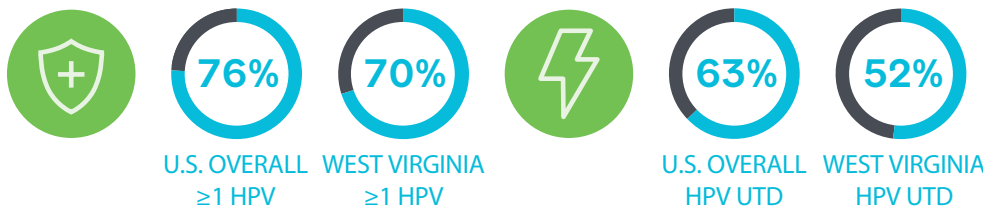
# State Profile: West Virginia

HPV vaccination is recommended for routine vaccination at **age 11 or 12 years and may be started at age 9**. Adults age 27 to 45 should talk to their doctors to see if HPV vaccination is recommended for them.



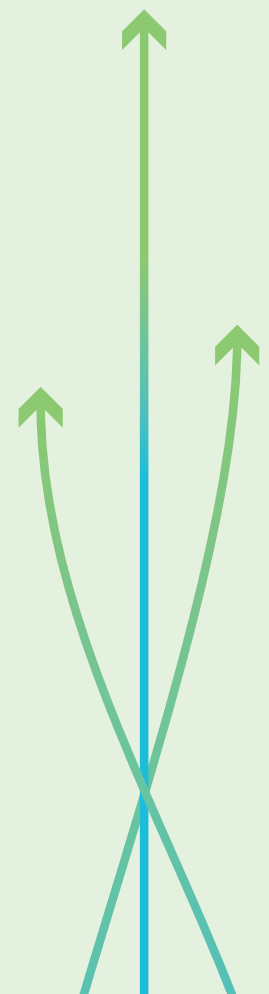
**HPV vaccination protects against more than 90% of HPV cancers.**

## HPV VACCINATION RATES FOR 13-17 YEAR-OLDS AS OF 2022:



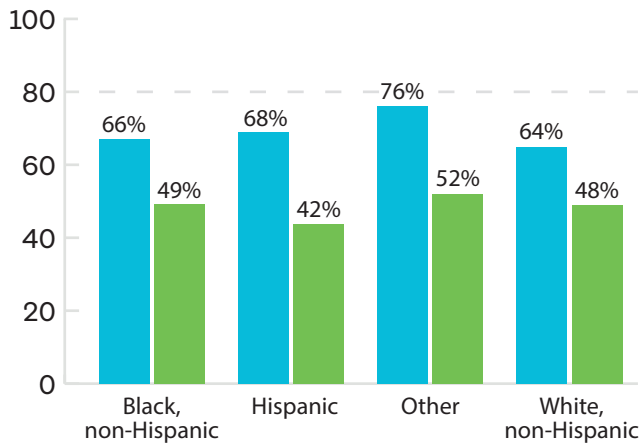
West Virginia has increased HPV vaccination coverage of **≥1 dose by 16% and up to date (UTD) by 10% since 2016**. However, coverage remains **lower than the U.S. average** and below the Healthy People 2030 goal of 80% UTD. Compared to meningitis and whooping cough (Tdap) vaccines routinely recommended for adolescents, HPV vaccination coverage lags. Virginia vaccination rates **among 13-17 year olds were 94% for meningitis vaccine and 93% for Tdap vaccine in 2022**.

HPV vaccination data sources: CDC NIS-TEEN, 2022; TeenVax View, 2022

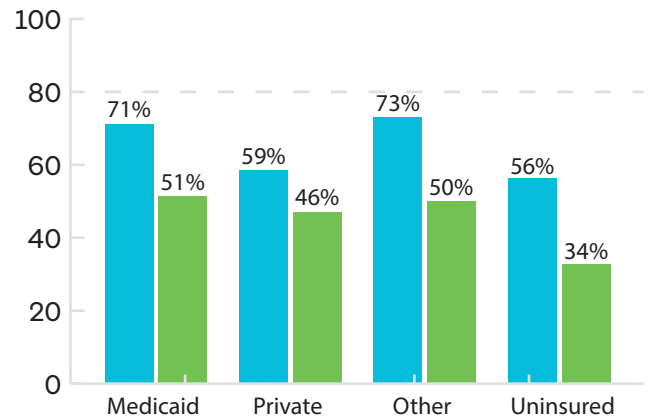


# HPV VACCINATION RATES FOR 13-17 YEAR-OLDS AS OF 2022:

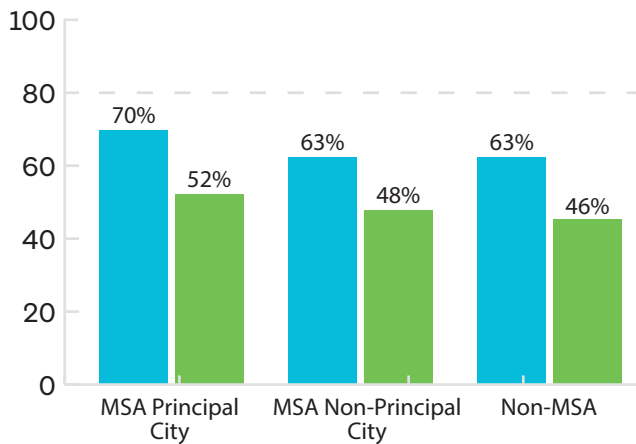
**HPV Vaccination by Race/Ethnicity**



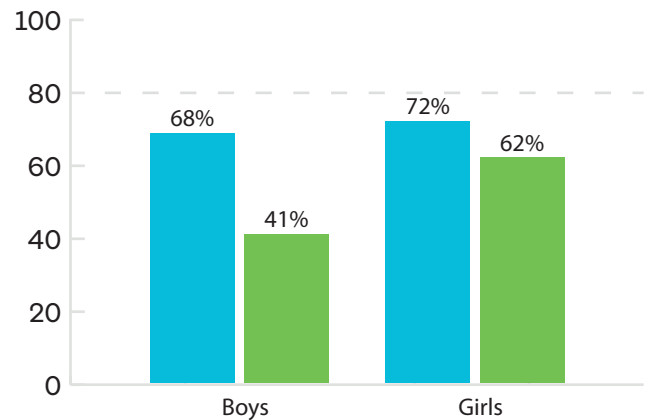
**HPV Vaccination by Insurance Coverage**



**HPV Vaccination by Urbanicity**



**HPV Vaccination by Sex**



----- Healthy People 2030

■ ≥1 HPV Vaccination

■ HPV Vaccination Up-to-date

HPV vaccination data sources: CDC NIS-TEEN, 2022; TeenVax View, 2022

## HPV CANCERS:

HPV is a common virus linked to six types of cancer. The two most common HPV-associated cancers are oropharyngeal and cervical cancers. **Incidence rates of HPV cancers overall and oropharyngeal cancer are higher in West Virginia compared to the U.S. averages.**

### New Cases

	All HPV Cancers	Oropharyngeal Cancer	Cervical Cancer
United States Overall	11.8	5.0	6.5
West Virginia Overall	15.7	6.5	8.4
United States	Male: 10.8, Female: 12.9	Male: 8.8, Female: 1.6	West Virginia ranks in the <b>Top 5 Nationally</b> in cervical cancer incidence rates.
West Virginia	Male: 13.9, Female: 17.5	Male: 10.6, Female: 2.6	

Incidence rates shown are cases per 100,000 persons.

## ACTION STEPS:

**Identify and engage key partners in HPV vaccination to develop, implement, and evaluate priority evidence-based interventions to increase HPV vaccination coverage in clinical, community and policy settings in West Virginia:**

- Encourage starting HPV vaccination at age 9 to increase series completion by age 13.
- Offer training opportunities for healthcare providers, including physicians, nurses, and dental providers, on the importance of HPV vaccination. Utilize “We Are the Key” training and motivational interviewing techniques to improve provider-patient conversations about HPV vaccination.
- Oral health providers are key partners for recommending HPV vaccination in West Virginia. Regional trainings have demonstrated success for gaining dental providers’ recommendation of HPV vaccination for adolescent and young adult patients for cancer prevention.
- Implement client reminder and recall systems in health care settings to ensure that patients are reminded of and encouraged to complete the HPV vaccination series.
- Develop HPV vaccination communication materials specific to West Virginian audiences with parents, caregivers, patient advocates, health departments, universities, and other key partners in West Virginia.

*Pingali C, Yankey D, Elam-Evans LD, Markowitz LE, Valier MR, Fredua B, Crowe SJ, DeSisto CL, Stokley S, Singleton JA. Vaccination Coverage Among Adolescents Aged 13-17 Years - National Immunization Survey-Teen, United States, 2022. MMWR Morb Mortal Wkly Rep. 2023 Aug 25;72(34):912-919. doi: 10.15585/mmwr.mm7234a3. PMID: 37616185; PMCID: PMC10468222.*

*U.S. Cancer Statistics Working Group. U.S. Cancer Statistics Data Visualizations Tool, based on 2022 submission data (1999-2020): U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute; <https://www.cdc.gov/cancer/dataviz>, released in June 2023.*

*Barr, L. & Darling, E. (2023). HPV Vaccination Roundtable of the Southeast: West Virginia State Profile. HPV Cancer Prevention Program. St. Jude Children’s Research Hospital. <https://stjude.scene7.com/is/content/stjude/hpv-seminar-west-virginia-042723>.*