

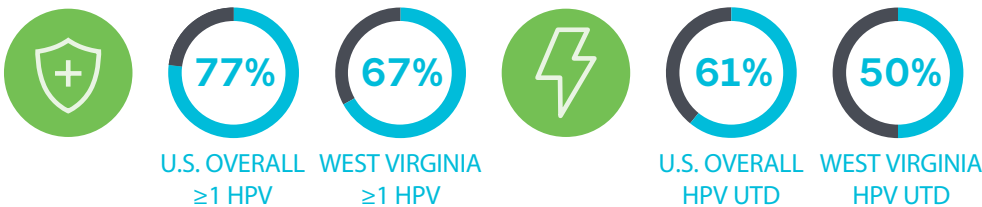


A PATH TO PREVENTION:

State Profile: West Virginia

On-time HPV vaccination protects best. HPV vaccination is routinely recommended at **age 11 or 12 years and may be started at age 9**. HPV vaccination is recommended for everyone ages 9-26. It's not too late to catch up on HPV vaccination. People ages 27-45 are also strongly encouraged to talk with a health care provider to see if HPV vaccination is right for them.

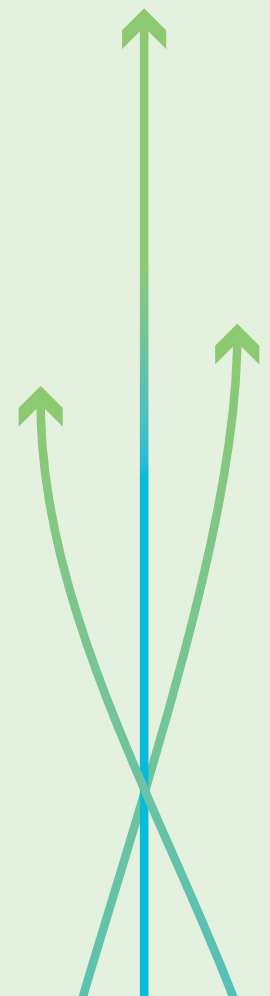
HPV VACCINATION RATES FOR 13-17 YEAR-OLDS AS OF 2023:



West Virginia has increased HPV vaccination coverage of **≥1 dose by 16% and up to date (UTD) by 9% 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. West Virginia vaccination rates **among 13-17-year-olds were 92% for meningitis vaccine and 91% for Tdap vaccine in 2023**.

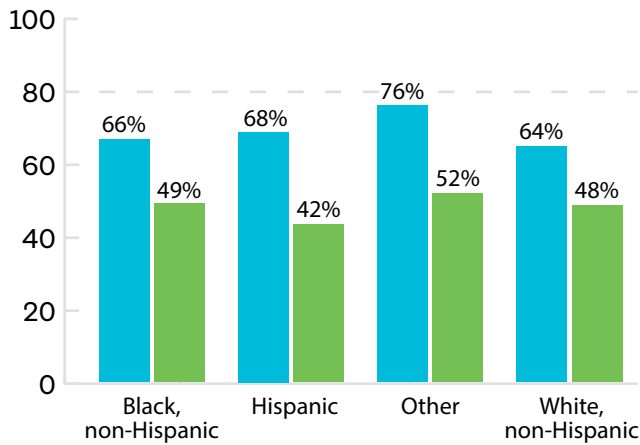


HPV vaccination protects against more than 90% of HPV cancers.

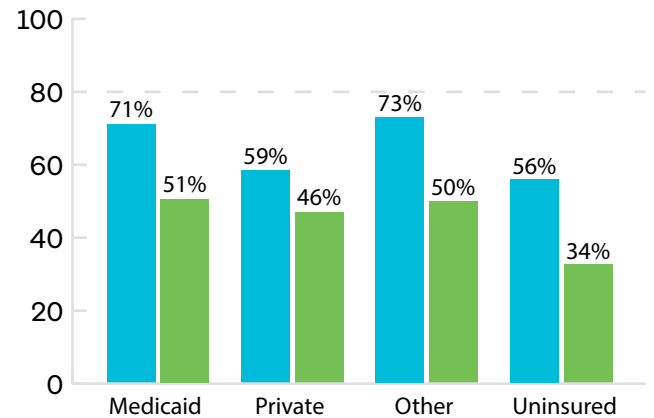


HPV VACCINATION RATES FOR 13-17 YEAR-OLDS AS OF 2022:

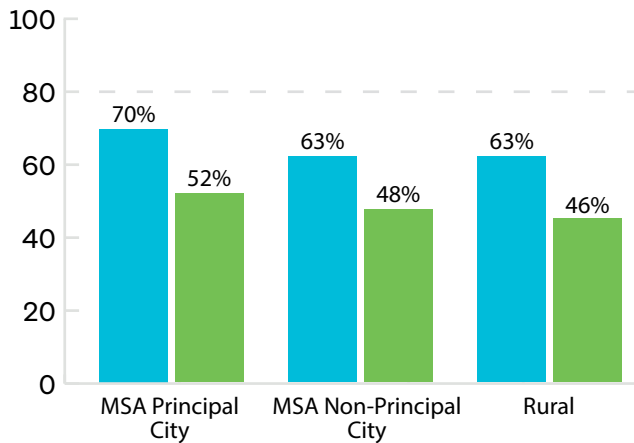
HPV Vaccination by Race/Ethnicity



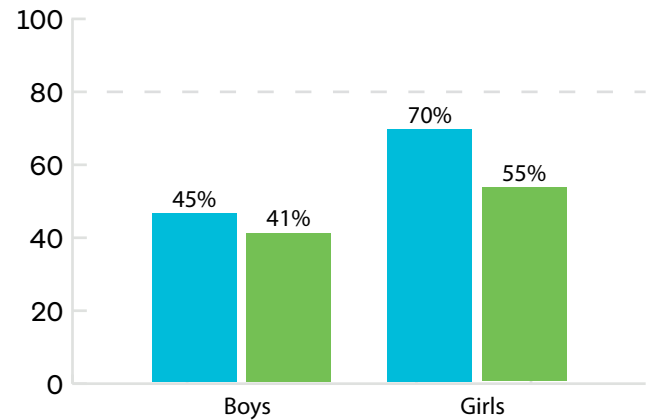
HPV Vaccination by Insurance Coverage



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, 2023 accessed in TeenVax View, 2024

Demographic data for 2018-2022 are the most recently available.

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 for oropharyngeal and cervical cancers are higher in West Virginia compared to the U.S. averages.**

New Cases

| | All HPV Cancers | Oropharyngeal Cancer | Cervical Cancer |
|-----------------------|--------------------------|-------------------------|--|
| United States Overall | 12.5 | 5.2 | 7.1 |
| West Virginia Overall | 17.6 | 6.7 | 9.1 |
| United States | Male: 11.2, Female: 13.9 | Male: 9.1, Female: 1.6 | West Virginia ranks in the Top 9 nationally in cervical cancer incidence rates. |
| West Virginia | Male: 14.3, Female: 21.2 | Male: 11.1, 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.
- 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.
- Identify strategies to improve HPV vaccination coverage for adolescents living in rural areas.
- Explore opportunities to implement school-based strategies to improve HPV vaccination coverage.
- Engage and support state-level partners in the development and implementation of strategic plans for the elimination of HPV cancers, beginning with cervical cancer, as a public health concern.

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, 2023. MMWR Morb Mortal Wkly Rep. 2024 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 2024.