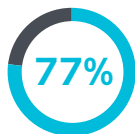


A PATH TO PREVENTION: →

State Profile: California

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:



U.S. OVERALL
≥1 HPV



CALIFORNIA
≥1 HPV



U.S. OVERALL
HPV UTD

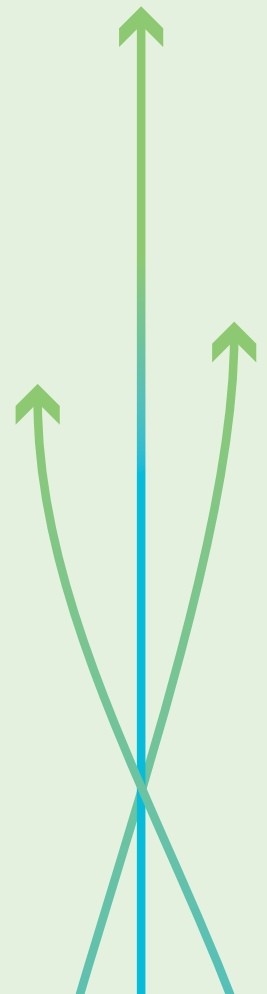


CALIFORNIA
HPV UTD

California has decreased HPV vaccination coverage of **≥1 dose by 2% and increased 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. California vaccination rates **among 13-17 year olds were 85% for meningitis vaccine and 86% for Tdap vaccine in 2023**.

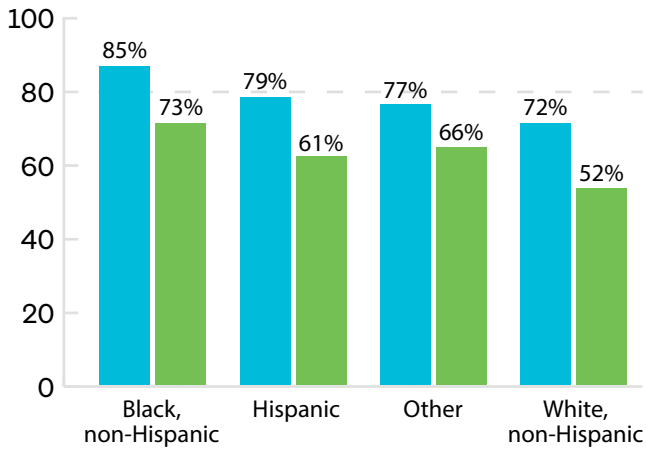


**HPV vaccination
protects against
more than 90%
of HPV cancers.**

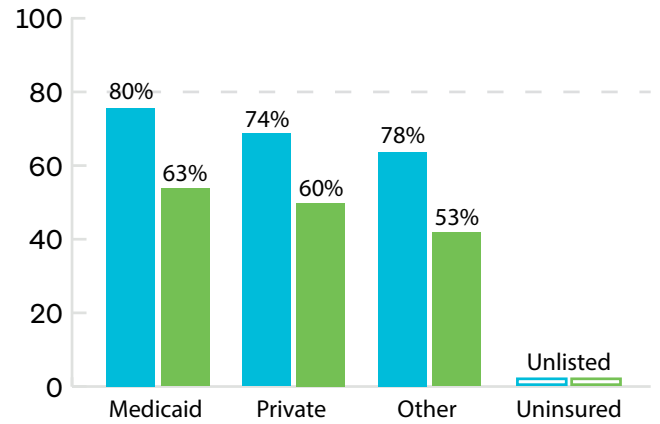


HPV VACCINATION RATES FOR 13-17 YEAR-OLDS AS OF 2022:

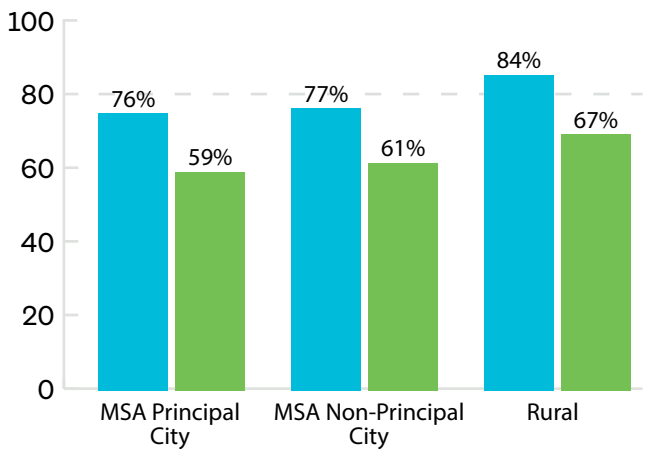
HPV Vaccination by Race/Ethnicity



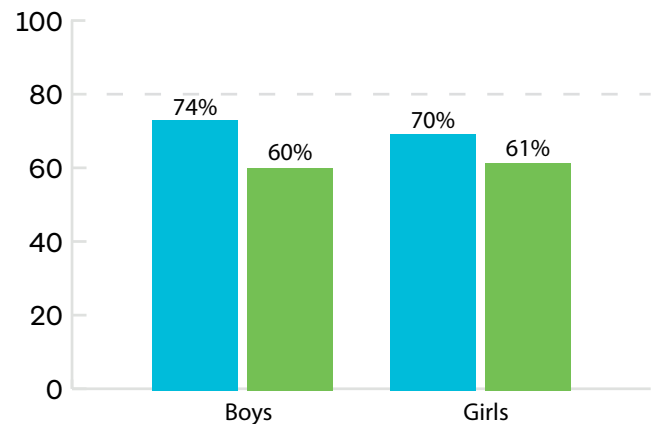
HPV Vaccination by Insurance Coverage



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 cancers are oropharyngeal and cervical cancers. **Incidence rates of HPV cancers overall and for oropharyngeal and cervical cancers are lower in California compared to the U.S. averages.**

New Cases

	All HPV Cancers	Oropharyngeal Cancer	Cervical Cancer
United States Overall	12.5	5.2	7.1
California Overall	10.8	4.1	6.8
United States	Male: 11.2, Female: 13.9	Male: 9.1, Female: 1.6	California ranks in the Top 25 nationally in cervical cancer incidence rates.
California	Male: 9.5, Female: 12.2	Male: 7.3, Female: 1.3	

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 California:

- Encourage starting HPV vaccination at age 9 to increase series completion by age 13 and support state-level partners in developing and implementing cancer elimination plans.
- Deliver provider trainings and resources to empower clinicians to provide strong, consistent HPV vaccination recommendations.
- Incorporate evidence-based strategies to improve HPV vaccination in clinics serving adolescents, including issuing standing orders, electronic health record (EHR) prompts for providers, scheduling the next appointment the same day as the first dose is given, offering vaccine-only appointments.
- Partner with Medi-Cal Managed Care and commercial health plans to use available data to identify providers with low HPV vaccine coverage and provide support and assistance to them.
- Support improved access to HPV vaccination through school-based clinics, pharmacies, local health departments, and other vaccination clinics (e.g., vaccine only appointments).
- Identify strategies for partnering with California Department of Public Health, the California Immunization Coalition, and the American Cancer Society to implement HPV vaccination initiatives for adolescents.

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 2023 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.

Davis-Patterson, S, Kwong, S, Miguelino-Keasling, V, Surani, Z. (2021, April) California Dialogue on Cancer. California's Comprehensive Cancer Control Plan, 2021 - 2025. https://www.cdph.ca.gov/Programs/CCDC/DCDC/DCSRB/CDPH%20Document%20Library/CCCP/CA_Comprehensive_Cancer_Control_Plan_2021_2025_ADA.pdf