

WAGO 2025 ANNUAL MEETING

ORAL ABSTRACT



Human Papillomavirus (HPV) Vaccination Rates within a Large National Network of Community Health Organizations: A Cross-Sectional Study

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Objectives

Cervical, vaginal, and vulvar cancers are three HPV related cancers that can be prevented with HPV vaccination. We sought to evaluate rates of up-to-date (UTD) HPV vaccination within a nationwide network representing many medically underserved communities.

Methods

A cross-sectional study was conducted using data from OCHIN, a diverse national database of over 6 million publicly or underinsured patients seen at an OCHIN clinic from January 2015 to December 2023. HPV vaccination initiation and completion rates were the primary outcomes.

Results

1,848,813 patients were included. HPV vaccination rates for all races and ethnic groups were below the Healthy People 2030 goal of 80.0%. Vaccination varied by race/ethnicity, with Hispanic individuals having the highest rates of UTD vaccination. There was no statistically significant difference between male and female genders for HPV vaccination. Odds of successful completion of the vaccine series were highest when series initiation occurred at ages 9-10 and among those with at least two clinical visits per year.

Conclusions

All races and ethnic groups remain below the Healthy People 2030 goal and the 2023 national vaccination averages. Non-Hispanic White individuals had the lowest vaccination rates, while Hispanic individuals and 13–18-year-olds had the greatest odds of completing the HPV vaccination. Individuals with two or more clinical visits more likely to complete the vaccine. Adjusted odds of series completion were greater when the vaccination was initiated at the age of 9-10 years supporting earlier age at initiation. Male and female vaccination rates were equal which stands in contrast to national trends where males tend to lag behind females. Exploration in how these clinics is appealing to the Hispanic population; caregivers of younger children and the male population should be investigated.

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Abstract Table or Graph

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