

IOWA HUMAN PAPILLOMAVIRUS (HPV) IMMUNIZATION DATA

Every year, HPV causes approximately 31,500 cancers in the United States. Over 80 percent of these cancers can be prevented with the HPV vaccine. Vaccinating adolescents with HPV vaccine can provide protection throughout their lives. HPV vaccination coverage in Iowa includes HPV vaccine series completion and HPV vaccine series initiation rates for 13-15 year olds.

45.2% of 13-15 year olds in Iowa completed the HPV vaccine series in 2024 (*County range: 20.7% to 68.9%*)

14.9% of 13-15 year olds in Iowa received at least one HPV vaccine but did not complete the HPV vaccine series in 2024 (*County range: 9.5% to 31.8%*)

HPV VACCINATION COVERAGE BY GENDER

Consistent with previous years, a higher percent of females completed the HPV vaccine series (47.3%) compared to males (44.1%) in 2024. An additional 4.8% of adolescents had unknown gender listed in IRIS.

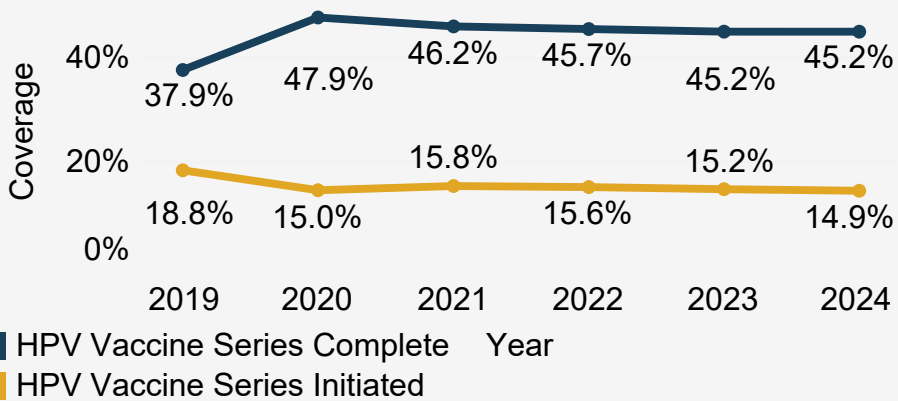
Figure 1. 2024 Adolescent HPV Vaccination Coverage by Gender



IOWA HPV VACCINATION COVERAGE OVER TIME

In 2024, 45.2% of 13-15 year olds completed the HPV vaccine series, which is similar to 2023 estimates. Additionally, 14.9% of adolescents initiated the HPV vaccine series but did not complete the series, a decrease of 0.3% compared to last year (Figure 2). HPV vaccine series completion has decreased over the past four years and continues to be well below the Healthy People 2030 goal of 80% coverage.

Figure 2. Iowa HPV Vaccine Series Completion and Initiation in 13-15 Year Olds Over Time



HPV VACCINATION COVERAGE COMPARED TO OTHER ADOLESCENT VACCINES

Key disparities between HPV vaccination and other routinely recommended vaccines for adolescents remain apparent. HPV vaccination coverage continues to remain substantially lower than Tdap and Meningococcal vaccination coverage. The percent of adolescents 13-15 years of age who were protected with Tdap (79.0%) and Meningococcal (77.8%) vaccines was over 30 percentage points higher than the percent of adolescents who completed the HPV vaccine series in 2024 (45.2%) (Figure 3).

Figure 3. HPV Vaccination Coverage Compared to Other Adolescent Vaccines

