

Alt Text for Box 4

TABLE 1. Estimated proportion of adults aged 19–26 years who received at least one dose of human papillomavirus (HPV) vaccine, by age group, sex, and race/ethnicity — National Health Interview Survey, United States, 2018

In 2018, among females aged 19–26 years, 52.8% reported receipt of at least one dose of HPV vaccine, similar to the estimates for 2017. Asians (39.3%) had lower coverage compared with whites (56.5%). Among females aged 19–21 years and 22–26 years, HPV vaccination coverage was 53.3% and 52.5%, similar to the estimates for 2017, respectively.

Among males aged 19–26 years and 22–26 years, HPV vaccination coverage (at least one dose) was 26.3%, and 21.8%, increases of 5.2 and 6.7 percentage points compared with the estimates for 2017, respectively. Among males aged 19–21 years, HPV vaccination coverage was 34.4%, similar to the 2017 estimate.

HPV vaccination (at least one dose) among females aged 19–26 years who had not received HPV vaccination prior to age 19 years was 10.4%, similar to the estimate for 2017. Among males aged 19–26 years who had not received HPV vaccination prior to age 19 years, HPV vaccination was 4.2%, similar to the estimate for 2017.

TABLE 2. Age at first dose of human papillomavirus (HPV) vaccination and difference between age at interview among adults aged 19–26 years — National Health Interview Survey, United States, 2018

Among females aged 19–26 years, 4.0% reported receiving the first dose of HPV vaccine at age 8–10 years, 16.1% at age 11–12 years, 59.9% at age 13–17 years, 7.7% at age 18 years, and 12.3% at age 19–26 years. Among males aged 19–26 years, 4.4% reported receiving the first dose of HPV vaccine at age 8–10 years, 8.2% at age 11–12 years, 56.3% at age 13–17 years, 16.0% at age 18 years, and 15.1% at age 19–26 years. Among respondents aged 19–26 years, the difference between the age reported at the time of the interview and the age at which respondents indicated that the first dose of HPV vaccine was received was ≥ 14 years for 2.5% of females and for 0.7% of males. This would imply receipt of vaccination in 2004 or earlier, before HPV vaccine was licensed for use in 2006.

FIGURE. Estimated proportion of adults aged 19–26 years who received at least one dose of human papillomavirus (HPV) vaccine, by age group — National Health Interview Survey, United States, 2010–2018

The figure is a line graph of HPV vaccination coverage among adults aged 19–26 years by age group over time, where the y-axis represents vaccination coverage expressed as a percentage, and the x-axis is the survey year. There are 2 lines representing HPV vaccination coverage among females aged 19–26 years, and HPV vaccination coverage among males aged 19–26 years. HPV vaccination among males includes data years 2011 through 2018, as the estimate in 2010 was suppressed due to relative standard error > 30%.

HPV vaccination coverage among females aged 19–26 years was 20.7% in 2010, 29.5% in 2011, 34.5% in 2012, 36.9% in 2013, 40.2% in 2014, 41.6% in 2015, 48.5% in 2016, 51.5% in 2017, and 52.8% in 2018.

HPV vaccination coverage among males aged 19–26 years was 2.1% in 2011, 2.3% in 2012, 5.9% in 2013, 8.2% in 2014, 10.1% in 2015, 13.5% in 2016, 21.2% in 2017, and 26.3% in 2018.

FIGURE, TREND TABLE. Estimated proportion of adults aged 19–26 years who received at least one dose of human papillomavirus (HPV) vaccine, by age group — National Health Interview Survey, United States, 2010–2018

The trend table presents HPV vaccination among females and males aged 19–26 years. Linear trend tests indicated that vaccination coverage significantly increased for both vaccines during this period. HPV vaccination among females aged 19–26 years increased from 20.7% in 2010 to 52.8% in 2018 ($p < 0.01$ [average annual percentage points increase = 3.8]). HPV vaccination among males aged 19–26 years

increased from 2.1% in 2011 to 26.3% in 2018 ($p < 0.01$ [average annual percentage point increase = 3.4]); the vaccination coverage estimate for 2010 was suppressed due to relative standard error $> 30\%$.