Current Surveillance Data on National and State-Level HPV Vaccination Coverage

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Overview

- Adolescent vaccination coverage levels
- Impact of the COVID-19 pandemic on routine vaccination
- Catch-up vaccination
Vaccination Coverage for Adolescent Vaccines
Estimated vaccination coverage with selected vaccines and doses* among adolescents aged 13-17 years, by survey year†—National Immunization Survey-Teen§, ¶, United States, 2006-2020

Abbreviations: Tdap = tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine; MenACWY = quadrivalent meningococcal conjugate vaccine; HPV = human papillomavirus; ACIP = Advisory Committee on Immunization Practices.

https://www.cdc.gov/mmwr/volumes/70/wr/mm7035a1.htm
Estimated vaccination coverage with ≥1 HPV vaccine, 2020

National Coverage: 75.1%
Range: 93.0% (RI) to 55.2% (MS)
Estimated HPV vaccine series completion, 2020

National Coverage: 58.6%
Range: 83.0% (RI) to 31.9% (MS)
HPV vaccination coverage among White Non-Hispanic adolescents is consistently lower.

Source: https://www.cdc.gov/vaccines/imz-managers/coverage/teenvaxview/index.html
>1 HPV vaccination coverage in **rural areas** is consistently lower
Key Points

• We continue to see high coverage rates nationally for Tdap and MenACWY vaccines

• HPV vaccination initiation and series completion continue to increase but coverage is still lower than that for other routinely recommended adolescent vaccines

• Continue to see disparities in vaccination coverage by race/ethnicity and MSA status
COVID-19 Pandemic and Adolescent Vaccines
Assessing the impact of the pandemic on vaccine administration

- Data from the 2020 NIS-Teen was not able to assess the impact the pandemic may have had on HPV vaccine uptake among adolescents

  - Most teens included in the 2020 sample had started the vaccine series prior to the pandemic

  - Additional years of data are needed
Comparison of Vaccines For Children (VFC) provider orders for HPV vaccine by Fiscal Year*

Compared to FY2019
- FY2020: Total vaccine orders decreased 24%
- FY2021: Total vaccine orders decreased 9%
- FY2022: year to date (May 2022) orders are down 10%

*Fiscal Year is defined as October 1 through September 30.
Comparison of monthly VFC provider orders for all HPV components through May by Fiscal Year*

*Fiscal Year is defined as October 1 through September 30.
Wellness visits and vaccine administration during the pandemic

Figure 2. Percent difference of vaccination administration, 2020 and 2021 vs. 2018–2019, by age group. IBM MarketScan Commercial Database with Early View: (A) 0–2 years, (B) 4–6 years, (C) 9–16 years.

Abbreviations: Hep B = Hepatitis B, DTaP = diphtheria, tetanus and acellular pertussis (DTaP) containing vaccines, Hib = Haemophilus influenzae type b, PCV = pneumococcal conjugate, Measles = measles-containing vaccines, Hep A = Hepatitis A, Tdap = tetanus, diphtheria, and acellular pertussis, HPV = human papilloma virus, Meningococcal = meningococcal conjugate.

Key Points

• Well-child visits, vaccine orders and vaccine administration have all decreased since the start of the pandemic, leaving many children and particularly adolescents unprotected from vaccine-preventable diseases

• Parental concerns about potential exposure to COVID-19 during well child visits might be contributing to the declines observed

• Concerted efforts are needed to help adolescents catch-up with vaccines that have been missed since the start of the pandemic
Call to Action
Vaccine Catch-up

- Vaccine catch-up will be critically important over the coming months and will require a multi-faceted approach
  
  - Healthcare systems/healthcare providers
  - Schools
  - State and local government agencies
  - Public health
  - Communities

https://www.cdc.gov/vaccines/partners/childhood/stayingontrack.html
Healthcare Systems and Healthcare Providers

- Encourage members to identify and follow up with families whose children have missed doses to get appointments scheduled

- Prompt clinicians when these children are seen to deliver vaccines that are due or overdue

- Communicate directly to families the importance of well-child visits and getting caught up on any recommended vaccines that were missed

- Let families know what precautions are in place for safe delivery of in-person services

Taken from CDC’s Call to Action letter
THANK YOU!

For more information, contact CDC
1-800-CDC-INFO (232-4636)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.
Resources

Image courtesy of CDC Public Health Image Library
Resources to Encourage Routine Childhood Vaccinations

Background

Help us protect children by doing what you can to get kids caught up on recommended vaccines. CDC’s public sector vaccine ordering data show a 14% drop in 2020-2021 compared to 2019, and measles vaccine ordering is down by more than 20%. CDC's call to action [1 page] outlined the steps that healthcare systems, health care providers, schools, state and local governments, and families can take to encourage catch up vaccination and protect children's health.

https://www.cdc.gov/vaccines/partners/childhood/stayingontrack.html
Encourage Routine Immunizations

- Children need to get caught up now so that they are protected as they go back to in-person learning and summer camps.

- Healthcare providers can identify families whose children have missed doses and contact them to schedule appointments.
  - Reminder and recall systems may be one of the most powerful ways to catch up those who are behind and ensure optimal vaccination rates.

- Providers can also let families know what precautions are in place for safe delivery of in-person services.

Reminder and Recall Strategies (aap.org)
Toolkit for Clinicians to Encourage Catch-Up

Childhood Vaccination Toolkit for Clinicians
Get Kids Caught Up on Recommended Vaccines for a Safer Return to School

COVID-19 disrupted both in-person learning and routine well-child visits for many children over the last year. As a result, too many children have fallen behind on receiving recommended vaccines.

CDC’s public sector vaccine ordering data show a 14% drop in 2020-2021 compared to 2019, and measles vaccine is down by more than 20%.

Children need to get caught up now so that they are protected as they go back to in-person learning and summer camps. Healthcare providers can identify families whose children have missed doses and contact them to schedule appointments. Providers can also let families know what precautions are in place for safe delivery of in-person services.

Call to Action
Help Kids’ Safe Return to School – Get Caught Up on Recommended Vaccines

Please see CDC’s Call to Action which highlights ways healthcare systems, health care providers, schools, state and local governments, and families can help get children caught up on vaccinations.

https://www.cdc.gov/vaccines/hcp/childhood-vaccination-toolkit.html
Additional Immunization Resources for Partners

Planning for Vaccination during the COVID-19 Pandemic

Cell to Action

Help Kids’ Safe Return to School – Get Caught Up on Recommended Vaccines

COVID-19 disrupted both in-person learning and routine well-child visits for many children over the last year. As a result, too many children have fallen behind on receiving recommended vaccines. Please see CDC’s Call to Action to help revitalize healthcare systems, health care providers, schools, state and local governments, and families can help get children caught up on vaccinations.

COVID-19 Vaccination Resources

Find information for professionals on COVID-19 vaccination administration, storage and handling, reserving, data & reporting systems, resident education, and more.

Educational and Promotional Resources for Partners

Find resources for each group or topic, including toolkits, drop-in articles, digital media tools, videos, PSAs, fact sheets, and social media messages.

Resiliency of the U.S. Vaccination System

Healthcare providers throughout the United States are helping individuals stay on track with routine and seasonal flu vaccinations while preparing to administer COVID-19 vaccines.

Equity in Adult Vaccination

CDC’s vision is to reduce racial and ethnic disparities that exist in immunization through partnerships that drive community-level action and support racial and ethnic minority communities.

Vaccinate with Confidence

Vaccinate with Confidence: CDC’s strategic framework to strengthen vaccine confidence and prevent outbreaks of vaccine-preventable diseases in the United States.

https://www.cdc.gov/vaccines/partners/
Many adolescents in rural communities are not getting the recommended vaccines to protect against serious diseases. Supporting healthcare professionals in effectively recommending vaccines and addressing parents' concerns is a priority.