



Introduction to policy consideration: Wording of the age for routine vaccination

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October 24, 2024

Outline

- **Current recommendation and historical context**
- **Clinical Decision Support for Immunization project**
- **Vaccination coverage**
- **Interest in vaccination at age 9 years**

Current Recommendation

- HPV vaccination is routinely recommended at age 11 or 12 years
- Vaccination can be given starting at age 9 years
- Since 2006 (first ACIP recommendation), the wording of age at HPV vaccination initiation has not substantially changed

Adolescent Platform

- 1996 Adolescent Platform** **“This report presents a new strategy to improve the delivery of vaccination services to adolescents and to integrate recommendations for vaccination with other preventive services provided to adolescents. This new strategy emphasizes vaccination of adolescents 11-12 years of age by establishing a routine visit to their health-care providers.”**
- Immunization of adolescents. MMWR Recomm Rep. 1996;45(RR-13):1-16.
- 2005 Tdap** **“The preferred age for Tdap vaccination is 11–12 years”**
- Broder KR, Cortese MM, Iskander JK, et al. MMWR Recomm Rep. 2006;55(RR-3):1-34.
- MCV4** **“Introducing a recommendation for MCV4 vaccination among young adolescents might strengthen the role of the preadolescent visit and have a positive effect on vaccine coverage among adolescents.”**
- Bilukha OO, Rosenstein N. MMWR Recomm Rep. 2005;54(RR-7):1-21.
- 2006 HPV** **“ACIP recommends routine vaccination of females aged 11–12 years with 3 doses of quadrivalent HPV vaccine. The vaccination series can be started as young as age 9 years.”**
- Markowitz LE, Dunne EF, Saraiya M, et al. MMWR Recomm Rep. 2007;56(RR-2):1-24.

Adolescent Platform

Five Ways to Boost Vaccination Rates

AT A GLANCE

Implement these practical and proven strategies and increase your HPV vaccination rates.



Steps you can take

Bundle your recommendation

Bundle your recommendation for all adolescent vaccines, including HPV vaccine, in the same way, on the same day. You can start the vaccine discussion with, “Now that your child is 11, they need three vaccines to help protect against meningitis, HPV cancers, and whooping cough. We’ll give these shots during today’s visit. Do you have any questions about these vaccines?”

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Current HPV Vaccination Recommendations

Routine Vaccination	Age 11–12 years, can be started at age 9 years
Catch-Up Vaccination	Age 13–26 years, if not adequately vaccinated
Shared Clinical Decision-Making	Some adults age 27–45 years, if not adequately vaccinated

Special situation:

History of sexual abuse or assault: Start at age 9 years

Representation of HPV Vaccination Recommendations on Child and Adolescent Immunization Schedule

Vaccine	Birth	1 mo	2 mos	4 mos	6 mos	9 mos	12 mos	15 mos	18 mos	19–23 mos	2–3 yrs	4–6 yrs	7–10 yrs	11–12 yrs	13–15 yrs	16 yrs	17–18 yrs	
HPV																		

Range of recommended ages for all children


Range of recommended ages for catch-up vaccination


Range of recommended ages for certain high-risk groups


Recommended vaccination can begin in this age group


Recommended Immunizations for Children 7–18 Years Old



Parent-Friendly Schedule

 ALL children in age group **should** get the vaccine

 SOME children in age group should get the vaccine

 ALL children in age group **can** get the vaccine

 Parents/caregivers should talk to their health care provider to decide if this vaccine is right for their child

Recommended Vaccines	7 Years	8 Years	9 Years	10 Years	11 Years	12 Years	13 Years	14 Years	15 Years	16 Years	17 Years	18 Years
HPV												

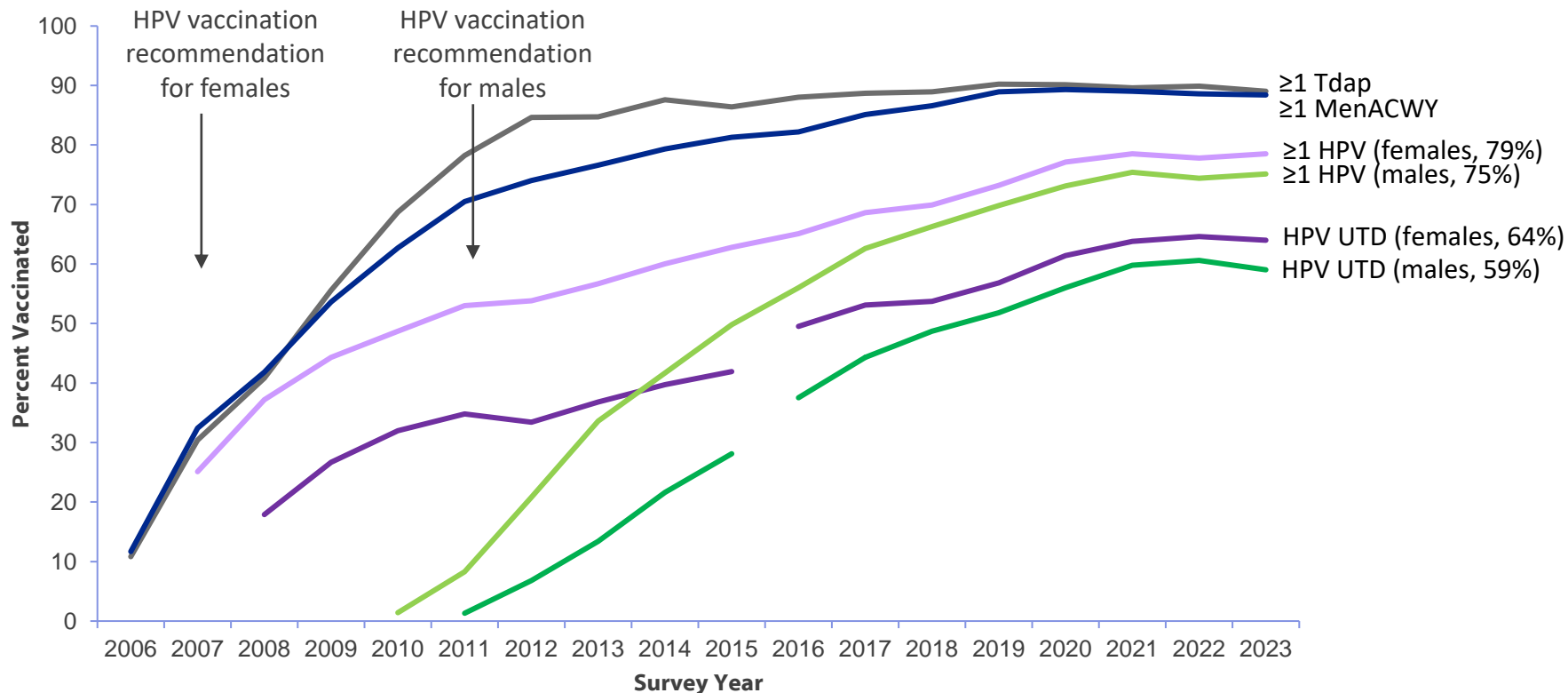
Clinical Decision Support for Immunization (CDSi)

The CDSi resources translate clinical recommendations into technical information



- Logic for applying ACIP rules to CDS engines
- For HPV vaccine:
 - Minimum age: 9 years
 - Earliest recommended age: 11 years
- Prompt for HPV vaccination occurs at earliest recommended age (11 years)

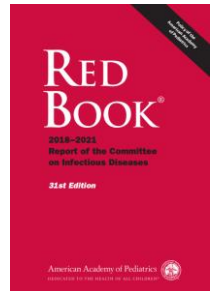
Estimated Vaccination Coverage, Adolescents Aged 13–17 Years, National Immunization Survey-Teen, United States, 2006–2023



American Academy of Pediatrics Recommendations

- Beginning in the 2018–2021 Redbook, HPV vaccination recommendation language was modified.

“The AAP recommends starting the series between 9 and 12 years, at an age that the pediatric health care professional deems optimal for acceptance and completion of the vaccination series.”



Interest in Vaccination at Age 9

🏠 Human Vaccines & Immunotherapeutics

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HPV Vaccination Starting at Age 9

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HPV vaccination has the potential to dramatically reduce rates of cervical, oropharyngeal, vaginal, vulvar, anal, and penile cancers. However, HPV vaccination rates in the US lag behind other countries, and HPV vaccine has lower coverage than other adolescent vaccines. Initiation of the vaccine series at ages 9-10 has been suggested as a way to improve vaccination utilization and increase the number of adolescents who complete their series on time. This Collection presents original research on the impact of initiating HPV vaccination at ages 9-10, including population studies and quality improvement projects, as well as commentaries from medical organizations and leading experts in the field.

Policy Question

Should the ACIP recommendations state:

HPV vaccination is routinely recommended at age 9–12 years

instead of

*HPV vaccination is routinely recommended at age 11 or 12 years;
vaccination can be given starting at age 9 years*

ACIP HPV Vaccines Work Group Next Steps

- Review literature
 - Systematic review (completed by CDC)
 - Will be presented today
- Review other data
 - NIS-Teen
 - Randomized Controlled Trial (final data not available until 2026)
- Conduct modified Evidence to Recommendations (EtR)



- 4 countries: begin at age 9 years
- 6 countries: begin at age 10 years
- 20 countries: begin at age ≥ 11 years
- UK: age 12–13 years

graph adapted from <https://vaccine-schedule.ecdc.europa.eu/Scheduler/ByDisease?SelectedDiseaseId=38&SelectedCountryIdByDisease=-1>

<https://www.gov.uk/government/publications/hpv-universal-vaccination-guidance-for-health-professionals/hpv-vaccination-guidance-for-healthcare-practitioners>

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Acknowledgments

Sarah Brewer, PhD, MPH

Carla DeSisto, PhD, MPH

Julia Gargano, PhD

Lauri Markowitz, MD

For more information, contact CDC
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TTY: 1-888-232-6348 www.cdc.gov

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