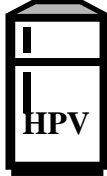


A Quick Look at Using Human Papillomavirus Vaccines (HPV)

Vaccine	HPV types	Protects against	Approved for	Ages
HPV2 Cervarix® (GSK)	16, 18	cervical cancer	Females Only	Persons aged 9 through 26 years
HPV4 Gardasil® (Merck)	6, 11, 16, 18	cervical, vulvar, vaginal, anal cancers; genital warts	Females & Males	

<p>Indications for Use and Schedule</p> <ul style="list-style-type: none"> Routinely administer to males & females aged 11-12 years Catch-up: females aged 13-26 years & males aged 13-21 years Vaccinate males aged 22-26 within a high risk group <ul style="list-style-type: none"> Immunocompromised due to infection (including HIV), disease or medication Men having sex with men Consider vaccination for all other males aged 22-26 years <p>Recommended Schedule: 0, 1-2, 6 months</p> <ul style="list-style-type: none"> Use recommended schedule dosing intervals for series catch-up If minimum intervals are needed, make sure there are: <ul style="list-style-type: none"> 4 weeks between dose 1 & 2 12 weeks between dose 2 & 3 24 weeks between dose 1 & 3 	<p>Vaccine Administration</p> <ul style="list-style-type: none"> Intramuscular injection in the deltoid of the arm (preferred) or anterolateral thigh only 1-1.5 inch needle; 22-25 gauge Use professional judgment when selecting needle length Can be given simultaneously with other vaccines
<p>Storage and Handling</p> <ul style="list-style-type: none"> Store in the refrigerator between 35°-46° F (2°-8°C) Do NOT freeze Keep in the original box Shake well before use 	

SPECIAL SITUATIONS

Vaccine Schedule

- Series may be started at age 9-10 years at the provider's discretion. The best way to be sure that a person gets the most benefit from HPV vaccination is to complete all three doses before sexual activity begins. However, sexually active persons 9 through 26 years of age should also be vaccinated.
- Persons turning 27 years of age after the first dose of HPV was administered but before the third dose is given can complete the series using the recommended intervals between doses, even though this means that the series is completed after age 26 years

Vaccine can be given to persons who:

- Have genital warts
- Are immunosuppressed
- Are breastfeeding
- Have a positive HPV test
- Have an equivocal or abnormal Pap test
- Are currently taking hormonal contraceptive measures

CONTRAINDICATIONS

Allergic reaction to a previous dose of HPV vaccine or another component of the vaccine

- HPV4 (Gardasil) is contraindicated for persons with a history of immediate hypersensitivity to yeast
- HPV2 (Cervarix) in prefilled syringes is contraindicated for persons with anaphylactic latex allergy

PRECAUTIONS

Moderate or severe illness

Pregnancy

- Pregnancy testing is not needed before vaccination
- If a woman is pregnant after starting the vaccine series, remaining doses should be delayed until after the pregnancy
- If a vaccine dose has been administered during pregnancy, there is no indication for medical intervention
- Report vaccination of pregnant women to the appropriate registry: HPV4 (Gardasil): 800-986-8999 HPV2 (Cervarix): 888-452-9622

FURTHER POINTS

- HPV types 16 & 18 account for 70% of cervical cancers and types 6 & 11 cause more than 90% of external anogenital warts.
- If the HPV vaccine schedule is interrupted, the series does not need to be restarted
- Due to increased reports of syncope (fainting) in adolescents following vaccination, a 15-20 minute observation period is recommended for adolescents after receiving any vaccine
- A separate Vaccine Information Statement (VIS) for Cervarix (HPV2) or Gardasil (HPV4), including information about the Michigan Care Improvement Registry (MCIR), can be found at www.michigan.gov/immunize or your local health department
- Document Gardasil as "HPV4 Gardasil" in MCIR; as "HPV4" on the vaccine administration record & immunization record card
- Document Cervarix as "HPV2 Cervarix" in MCIR; as "HPV2" on the vaccine administration record & immunization record card

Publicly purchased HPV vaccine can be administered to males & females, aged 9 through 18 years through the Vaccines for Children (VFC) Program. Eligible children include those who are uninsured, underinsured, Medicaid eligible, Native American or Alaskan Natives. Contact your local health department for more information. For males & females aged 19 through 26 years covered by Adult Medicaid, private stock should be used & Medicaid billed. Medicaid will not cover an HPV dose given at/after age 27 years.

For additional information: MMWR: Quadrivalent HPV Vaccine, Recommendations of the ACIP, March 23, 2007; Catch-up Immunization Schedule for Persons Aged 4 Months–18 Years Who Start Late or Who Are More Than 1 Month Behind; Recommendations for the use of HPV4 in Males, ACIP December 23, 2011 all at www.cdc.gov/vaccines. Updates of this form will be posted at www.michigan.gov/immunize January 20, 2012