


## A Quick Look at Using Human Papillomavirus Vaccine (HPV4)

HPV4 vaccine (GARDASIL® Merck) protects against 4 types of HPV infection in females.

HPV types 16 and 18 account for 70% of cervical cancers and HPV types 6 and 11 account for more than 90% of external anogenital warts.

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| <p><b>Indications for Use and Schedule</b><br/>Routinely administer to:</p> <ul style="list-style-type: none"> <li>Girls 11-12 yrs of age at the pre-adolescent visit</li> <li>Females 13-26 yrs of age who have not been vaccinated (regardless of sexual history)</li> </ul> <p><b>Recommended Schedule:</b> 0, 2, 6 months</p> <ul style="list-style-type: none"> <li><u>Strongly encouraged</u> to follow this schedule when completing the HPV series</li> <li>If doses are given using other intervals, assure that minimum intervals have been met <ul style="list-style-type: none"> <li>4 weeks between dose 1 &amp; 2</li> <li>12 weeks between dose 2 &amp; 3</li> <li>24 weeks between dose 1 &amp; 3</li> </ul> </li> </ul> | <p><b>Vaccine Administration</b></p> <ul style="list-style-type: none"> <li>Intramuscular injection in the deltoid of the arm or anterolateral thigh</li> <li>1-1.5 in needle 22-25 gauge</li> <li>Professional judgment is appropriate when selecting needle length</li> <li>Can be given simultaneously with other vaccines</li> </ul> |
|  | <p><b>Storage and Handling</b></p> <ul style="list-style-type: none"> <li>Store in the refrigerator between <b>35°-46° F (2°-8°C)</b></li> <li>Do NOT freeze</li> <li>Keep in the original box</li> <li>Shake well before use</li> </ul>              |

### SPECIAL SITUATIONS

#### *Vaccine Schedule*

- If a woman turns 27 years of age after the first dose of HPV is administered but before the third dose is given, complete the series using the recommended intervals between doses, even if this means that the series is completed after a woman turns 27 years of age

#### *Sexual History*

- It is important to vaccinate girls **before** they become sexually active to receive the full benefit of vaccination
- This vaccine series may be given as early as 9 years of age at the discretion of the health care provider
- Sexually active females 9 through 26 years of age should be vaccinated:
  - Only a small percentage is likely to have been infected with all four vaccine HPV types
  - Those infected with 1 or more vaccine HPV types, would be protected against the other HPV types in the vaccine

#### *Vaccine can be given to those with:*

- Genital warts
- Immunosuppression
- A positive HPV test
- An equivocal or abnormal Pap test

Note: Females currently taking hormonal contraceptive measures or breast feeding can be vaccinated

### CONTRAINDICATIONS

Allergic reaction to a previous dose of HPV4 vaccine, another component of the vaccine, or hypersensitivity to bakers yeast

### 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
  - Exposures to vaccine in pregnancy should be reported (800) 986-8999

### FURTHER POINTS

- Educate patients that HPV vaccine may cause a "stinging" sensation at the injection site (similar to MMR vaccine)
- Due to increased reports of syncope (fainting) in adolescents following vaccination, a 15-20 minute observation period is recommended for adolescents after receiving vaccines
- HPV4 Vaccine Information Statement (VIS), including information about the Michigan Care Improvement Registry (MCIR), can be found at [www.michigan.gov/immunize](http://www.michigan.gov/immunize) or your local health department
- Document as "HPV, quadrivalent" in MCIR; as "HPV4" on the vaccine administration record & immunization record card

Publicly purchased HPV4 can be administered to eligible girls, 9 thru 18 yrs of age, through the Vaccines for Children (VFC) Program in private providers' offices. Eligible girls include those who are uninsured, underinsured, Medicaid eligible, Native American or Alaskan Natives. Contact your local health department for more information.