Human Papillomavirus Vaccines (HPV)

<table>
<thead>
<tr>
<th>Vaccine</th>
<th>Protects against HPV types</th>
<th>Approved for</th>
<th>Ages</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPV2 Cervarix® (GSK)</td>
<td>16 and 18</td>
<td>Females ONLY</td>
<td>9–26 years of age</td>
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<tr>
<td>HPV4 Gardasil® (Merck)</td>
<td>6, 11, 16 and 18</td>
<td>Females &amp; Males</td>
<td></td>
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Whenever possible, the same HPV vaccine product should be used for all doses in the series.

Indications for Use and Schedule
- Routinely administer to 11-12 year old males & females
- Males & females 13-26 yrs of age who have not been vaccinated
- May be administered at 9 years of age at the provider’s discretion

Recommended Schedule: 0, 1-2, 6 months
- Use recommended schedule dosing intervals for series catch-up
- If doses are given using other intervals, assure that minimum intervals have been met
  - 4 weeks between dose 1 & 2
  - 12 weeks between dose 2 & 3
  - 24 weeks between dose 1 & 3

Vaccine Administration
- Intramuscular injection in the deltoid of the arm or anterolateral thigh
- 1-1.5 inch needle 22-25 gauge
- Use professional judgment when selecting needle length
- Can be given simultaneously with other vaccines

Storage and Handling
- Store in the refrigerator between 35º-46º F (2º-8ºC)
- Do NOT freeze
- Keep in the original box
- Shake well before use
- Thorough agitation immediately before administration is necessary to maintain suspension of the vaccine.

Vaccine can be given to those with:
- Genital warts
- A positive HPV test
- Breast feeding
- An equivocal or abnormal Pap test
- Immunosuppression - response to vaccine may be diminished

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 vaccines
- New! There are 2 HPV Vaccine Information Statement (VIS), one for Gardasil and another for Cervarix. Use the VIS that matches the vaccine you are giving. Both HPV VISs, can be found at http://www.immunize.org/vis/