

Human Papillomavirus (HPV) Vaccine VAC-FACT



Did you know – HPV vaccine may prevent 70% of cervical cancers in the U.S.?

Human Papillomavirus (HPV)	<ul style="list-style-type: none"> HPV causes almost all cervical cancer. Types 16 & 18 cause ~70% of cervical cancers and types 6 & 11 cause ~ 90% of genital warts. HPV is the most common sexually transmitted infection in the U.S. ~20 million people are currently infected and ~6.2 million new infections occur annually. In 2010 an estimated 12,000 new cases of cervical cancer were diagnosed and ~4,210 women died from cervical cancer. 											
State-supplied HPV vaccine	<ul style="list-style-type: none"> Quadrivalent (types 6,11,16,18) capsid protein vaccine made by recombinant DNA technology Brand name GARDASIL®, manufactured by Merck. 											
Components	Live virus: No	Thimerosal: No	Antibiotics: No									
Indication for state-supplied vaccine	<ul style="list-style-type: none"> Females & males age 9 years thru 18 years (see Availability below), regardless of sexual activity. Females to prevent cervical cancer. Both genders to prevent anal cancer and genital warts. Best immune response is achieved at younger age of vaccination. HPV vaccination provides no therapeutic benefit for existing HPV infection or cervical lesions. 											
Administration	Three intramuscular injections at 0, 2, 6 mos	<table border="1"> <thead> <tr> <th colspan="3">Minimum Spacing Between Doses</th> </tr> <tr> <th>Doses 1 & 2</th> <th>Doses 2 & 3</th> <th>Doses 1 & 3</th> </tr> </thead> <tbody> <tr> <td>4 weeks</td> <td>12 weeks</td> <td>24 weeks</td> </tr> </tbody> </table>		Minimum Spacing Between Doses			Doses 1 & 2	Doses 2 & 3	Doses 1 & 3	4 weeks	12 weeks	24 weeks
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Safety	Most common side effect: Injection site soreness	Serious side effects: Very rare	<ul style="list-style-type: none"> On-going monitoring by CDC, FDA & Merck VAERS reporting (♦) 									
	Syncope has been reported. Consider monitoring recipients for 15-20 minutes after vaccination											
Efficacy	~100% for: <ul style="list-style-type: none"> HPV types 16 & 18 related cervical intraepithelial neoplasia (CIN) 2&3 or adenocarcinoma in situ (AIS) 		~99% for: <ul style="list-style-type: none"> Genital warts related to HPV types 6 & 11 									
Pregnancy	<ul style="list-style-type: none"> Ask if pregnant. Defer any dose(s) until conclusion of pregnancy. (♦) To report vaccination during pregnancy call Merck at 1-800-986-8999. 											
Pre-screen for HPV infection?	Not recommended	Required for school?	No									
Routine pap tests needed?	<ul style="list-style-type: none"> YES - Vaccine recipients should continue to receive routine pap tests. 30% of cervical dysplasias are from non-vaccine strains of HPV. 											
Availability	<p>Age 9 yrs thru 18 yrs: as of 1/1/09 in Alaska, state-supplied HPV vaccine is available only for VFC eligible recipients. Details described in Epidemiology Bulletin 11/3/08 "Alaska to Initiate Federal Vaccines for Children (VFC) Program for Human Papillomavirus and Meningococcal Vaccines" http://www.epi.alaska.gov/bulletins/docs/b2008_21.pdf</p> <p>Age 19 yrs and 20 yrs: May be covered by private insurance or Medicaid for eligible persons.</p> <p>Age 19 yrs thru 26 yrs: May be covered by private insurance or Merck's Vaccine Patient Assistance Program for income eligible persons www.merck.com/merckhelps/vaccines/home.html</p>											

- (♦) **Package Insert** www.fda.gov/downloads/BiologicsBloodVaccines/Vaccines/ApprovedProducts/UCM111263.pdf
- MMWR 3/23/07** - "Quadrivalent Human Papillomavirus Vaccine" www.cdc.gov/mmwr/PDF/rr/rr5602.pdf
 - Epidemiology Bulletin 4/2/10** "Updated Guidance for Pneumococcal Conjugate, Human Papillomavirus (HPV) and Tetanus/Diphtheria/acellular Pertussis (Tdap) Vaccines" www.epi.hss.state.ak.us/bulletins/docs/b2010_09.pdf
 - Alaska Immunization Helpline** at **888-430-4321** or **269-8088 in Anchorage**

Vaccinate Alaska Coalition (VAC) seeks to protect the health of all Alaskans by decreasing vaccine-preventable disease through positive immunization promotion campaigns, support of local immunization coalitions, and increased private and public provider participation in immunization activities. **Vaccinate Alaska Coalition website:** www.vaccinate.alaska.gov