

HPV VACCINE: WHAT PARENTS NEED TO KNOW TO PROTECT THEIR CHILDREN FROM HPV CANCERS

WHAT IS HUMAN PAPILLOMAVIRUS (HPV)?

- **Human Papillomavirus, known as HPV, is a family of over 100 viruses. About 20 HPV viruses are high risk and cause several types of cancers and genital warts.**

In women HPV causes virtually all cervical cancers; pap smears screen for cervical cancer. The most common types of HPV related cancers in males and females are mouth and throat (oropharyngeal) and anal cancer.¹

In 2012 there were 1,200 Canadians who died from HPV associated cancer. About one third of the deaths were due to cervical cancer (despite widely available pap tests) one third from mouth and throat cancer and the other third from vagina, vulva, anal and penile cancers. Anal cancers rates are increasing in women even more so than men. Mouth and throat cancers are increasing faster in males than females.^{1,2}

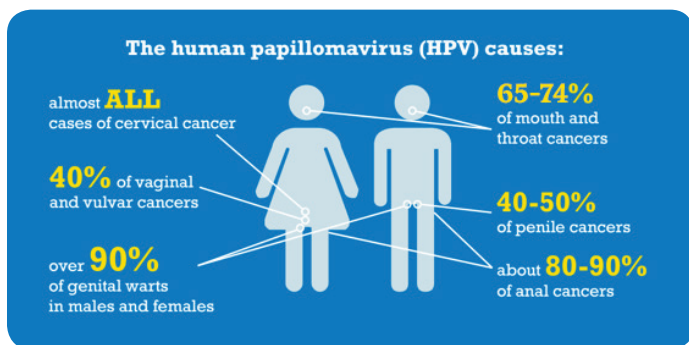


Image courtesy of BC Centre for Disease Control

If a mother is infected with HPV during delivery of a baby, she is capable of transmitting the virus during childbirth and her baby may develop HPV warts in the throat.⁵

HPV also causes genital warts.²

HOW COMMON IS HPV?

- **HPV infects 75% - 90% of the population during their life time.**^{6,7,8}

Most HPV high risk infections clear on their own somewhere between 4 months and 2 years after infection. When HPV does not clear it becomes chronic and can lead to precancerous lesions and cancer.^{1,8,9}

HPV is spread by sexual contact through skin to skin or mucous membrane contact. Penetration is not necessary for the spread of HPV. HPV is the most common sexually transmitted infection.⁹

WHY SHOULD MY CHILD GET THE HPV VACCINE?

- **Boys and girls should get the vaccine in their preteen years when the immune response (antibodies) to HPV vaccine is strongest, before they have sexual contact of any kind, and when only 2 doses are needed.**^{9,10}

HPV9 is part of the publicly funded grade 6 school immunization program in BC.^{10,11}

You may ask your Family Doctor, Pediatrician, Pharmacist or Nurse Practitioner about the vaccine.

HPV vaccination is recommended and publicly funded for females born after 2005 and HIV+ females 9-26 yrs of age, females born 1994 – 2004 who have not previously received HPV vaccine, high risk males 9-26 years, including those who have sex with men, street involved youth, boys who may be questioning their sexual identity, and youth in custody.¹²

HPV vaccine is indicated but not publicly funded for all females up to the age of 9 – 45 years of age, all males 9 – 26 years of age and males 27 years of age and older who have sex with men.¹²

HOW DOES THE VACCINE WORK?

- **It stimulates the immune system to produce antibodies against HPV infections.**

Particles of HPV types that most commonly cause cervical, mouth and throat, anal, vaginal and vulvar pre-cancers and cancers (HPV types 16, 18, 31, 33, 45, 52, and 58) and 90% of genital warts (HPV 6 and 11) are manufactured. The vaccine cannot cause infection because only a part of the virus protein is manufactured to make vaccine.²

HPV9 vaccine protects against over 90% of cervical and anal cancers, almost all HPV associated mouth, throat, vaginal and vulvar cancers and 90% of genital warts.¹¹

IS THE VACCINE SAFE?

- **Hundreds of millions of doses of the HPV vaccine have been distributed and the vaccine has been found to be extremely safe.**

The HPV vaccine safety has been monitored since it was licensed in 2006 and any reported reactions or side effects fully investigated. All vaccines are carefully monitored for safety before and after they are approved as long as the vaccines are being used.^{13,14}



WHAT ARE THE VACCINE SIDE EFFECTS?

- **Common side effects are pain, redness, or swelling in the arm where the shot was given.**

Other side effects that have been reported include headache, feeling tired, fever, sore muscles. Fainting has occasionally been reported in teenage girls probably due to anxiety about the shot.^{13,14}

Accidental administration of HPV vaccine during pregnancy has no known adverse outcomes in either mother or infant.¹³

HOW IS THE VACCINE GIVEN?

- **The vaccine is given as an injection (shot) in the arm.**

Grade 6 girls and boys receive 2 doses of the vaccine 6 months apart in BC.^{11,15}

The vaccine can be given at the same time as other shots, or any time before or after.

For children 15 years and older and immunocompromised children over 9 years of age 3 doses of the vaccine are given at 0, 2, and 6 months.¹⁵

At this time there is no recommendation for a booster shot.^{2,12}

WHERE CAN I GET HPV VACCINE?

- **HPV vaccine is given in schools as part of the grade 6 publicly funded vaccine program.^{11,15}**

If your child misses a dose or qualifies for publicly funded vaccine, contact your Health Unit, Family Doctor, or Pharmacist.

Anyone who is not eligible for free HPV vaccine but would like to receive the vaccine may be able to purchase it. Contact a Health Unit, Travel Clinic, Pharmacist or Family Doctor.

Reference list available on the BC Pediatric Society website;
http://www.bcpedis.ca/uploadfiles/documents/2017/HPV_Parents_Reference_List.pdf



**DON'T WAIT,
PROTECT YOUR
KIDS FROM
HPV CANCERS!**

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