

# Human Papillomavirus (HPV) Vaccines

Vaccination,  
the best protection

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Vaccination is the best protection against infections caused by HPV and their complications. Two HPV vaccines are available for use in Canada: Cervarix and Gardasil 9. HPV types included in the vaccines are responsible for the majority of cancers of the cervix, the vagina, the vulva, the penis, the anus and the throat. Gardasil 9 also protects against infection from HPV type, which cause anal and genital warts (condylomas). Condylomas are the most frequent sexually transmissible infections in Canada. When someone is infected by an HPV, he or she often does not know because the infection goes undetected.

Disease	Signs and symptoms	Possible complications
HPV infections	<ul style="list-style-type: none"><li>Anal and genital warts (approximately 14,000 cases a year in Québec before vaccine arrival)</li><li>Precancerous lesions of the uterine cervix, the vagina, the vulva, the penis, the anus or the throat if the infection persists</li></ul>	<ul style="list-style-type: none"><li>Cervical cancer (approximately 280 cases a year in Québec)</li><li>Cancers of the vagina, the vulva, the penis or the anus (approximately 115 cases a year in Québec)</li><li>Cancers of the throat (approximately 185 cases a year in Québec)</li><li>Death (cervical cancer causes approximately 70 deaths a year in Québec)</li></ul>

## The vaccines

Vaccination is the best protection against HPV infections and their complications. More than one dose of the vaccines is required to obtain the best protection possible. Following the recommendations of a provincial expert committee, immunization schedule used for youth aged 9 to 17, includes administration of 1 dose of Gardasil 9 vaccine and 1 dose of Cervarix vaccine. Since September 2020, the 1<sup>st</sup> dose is administered in Grade 4 and the 2<sup>nd</sup> one in Secondary 3. Ideally, vaccination should be performed before the start of sexual activity.

The vaccines are indicated even for someone who has already contracted an HPV infection.

Vaccinated women should continue to follow the recommendations for testing for cervical cancer.

## Symptoms after vaccination

Some symptoms may be caused by the vaccines (e.g. redness at the injection site). Other problems may occur by chance and are not related to the vaccines (e.g. cold, gastro, headache).

HPV vaccines are safe. Most reactions are harmless and do not last long.

Frequency	Known reactions to these vaccines	What to do
In most cases (more than 50% of people)	<ul style="list-style-type: none"><li>Pain at the injection site</li></ul>	<ul style="list-style-type: none"><li>Apply a cold, damp compress at the injection site.</li><li>Use medication for fever or discomfort if needed.</li><li>See a doctor if symptoms are severe.</li></ul>
Very often (less than 50% of people)	<ul style="list-style-type: none"><li>Redness and swelling at the injection site</li></ul>	
Often (less than 10% of people)	<ul style="list-style-type: none"><li>Itching at the injection site, fever</li></ul>	

We recommend that you stay at the clinic for at least 15 minutes after vaccination because allergic reactions may occur.

If an allergic reaction occurs, the symptoms will appear a few minutes after the vaccination. The person giving the vaccine will be able to treat this reaction immediately.

**For any questions, contact the person giving the vaccine, or Info-Santé 811 or your doctor.**