

Three school-based vaccines: meningococcal C-ACYW-135, hepatitis B (HB) and human papillomavirus 9 (HPV) are offered to grade 7 students free of charge. Please read this information carefully before signing the immunization consent form. These vaccines have been used for many years. You cannot get the disease from the vaccine. Every dose is monitored for reactions and any reactions are reported through provincial and federal vaccine reporting systems.

	Meningococcal C-ACYW-135	Hepatitis B (HB)	Human papillomavirus 9 (HPV)
<b>What does the disease look like?</b>	Many people carry the meningococcal bacteria in their nose or throat without feeling sick. It is spread through close, direct contact. Examples of how the bacteria are spread include: kissing, coughing, or sharing things like food or drinks. The bacteria can lead to meningitis which can cause brain damage and sometimes death.	HB is a virus that spread easily through blood and bodily fluids. The virus can stay alive on things like razors and toothbrushes for up to one week. It can cause damage, swelling or cancer of the liver. Each year in Ontario, HB leads to about: 350 deaths, 300 cancers and 90 cases of swollen or damaged livers.	HPV can infect both <b>males and females</b> and can cause genital warts, as well as cancers of the cervix, vagina, penis, anus, head, and neck. It is spread through skin-to-skin contact (kissing or touching) with the genital areas (penis, scrotum, vagina, vulva, and anus). Many people with HPV do not know they have the virus and can infect others.
<b>What is the benefit of the vaccine?</b>	Most Ontarians have received a meningococcal vaccine as an infant that protects against one type of bacteria. This Grade 7 vaccine is different as it protects against 4 types of bacteria. It protects 80% to 85% of teens against disease caused by these four bacteria.	If all doses are received, the vaccine protects more than 95% of people against HB. The protection lasts at least 30 years or more for most people.	The HPV vaccine is effective in preventing genital warts and cancers of the cervix, vagina, penis, anus, head, and neck. It can also prevent most cases of cervical cancer if all doses are given before a person becomes sexually active.
<b>Is this vaccine required for school?</b>	Yes, it is <b>REQUIRED</b> under the Act. Those who choose not to receive this vaccine must contact Peterborough Public Health at 705-743-1000 ext. 242.	Not required, but highly recommended by the Medical Officer of Health.	Not required, but highly recommended by the Medical Officer of Health.
<b>What are the risks of disease versus vaccine?</b>	Two hundred cases occur yearly in Canada and symptoms can be very severe and lead to significant illness and/or death. The vaccine can cause a sore arm, headaches or feeling tired and severe reactions are very rare. No deaths have been reported due to the vaccine.	One in 10 infected children can get acute HB which can cause death. Nine in 10 infected children have no symptoms and can infect others. One in 10 infected people over 5 years old can develop chronic HB and up to 1 in 4 with chronic HB die. The vaccine can cause a sore arm and fever. Serious reactions are very rare and no deaths have been reported.	About 75% of people could be exposed to an HPV infection in their lifetime. Yearly, 14700 cases of genital warts are diagnosed in Ontario. Cervical cancer is one of the most preventable cancers, but every year about 630 women are diagnosed with cervical cancer, leading to 150 deaths in Ontario each year. HPV can also cause anal cancer. The vaccine can cause a sore arm, headache, tiredness. Serious reactions are very rare and no deaths have been reported.

	Meningococcal C-ACYW-135		Hepatitis B		Human papillomavirus 9	
What are the vaccine components and where else can these components be found?	Vaccine Contents	Where else can they be found?	Vaccine Contents	Where else can they be found?	Vaccine Contents	Where else can they be found?
	Parts of meningococcal bacteria	Meningococcal bacteria	Parts of HB virus	Hepatitis B	HPV proteins	Human papillomavirus
	Diphtheria toxoids	Other childhood vaccines	Aluminum	Vegetables, cereal, deodorant	Sodium chloride	Human body, salt
	Sodium chloride	Human body, salt	Sodium chloride	Human body, salt	Aluminum	Vegetables, cereal, deodorant
	Sodium phosphate	Laxatives	Sodium borate	Water, soil	L-histadine	Human body, beans, fish, milk
			Yeast	Human body, bread, bagels	Polysorbate 80	Ice cream, cottage cheese
			Formaldehyde	Human body, fruits, fish	Sodium borate	Water, soil
			Latex (vial stopper)	Clothing, mattress, gum, paint, glues	Yeast	Human body, bread, bagels
How many doses are needed?	One dose		Two doses 6 months apart for healthy 11 to 15 year olds. Three doses for those 16 years of age or older. Those who are immunocompromised, on renal dialysis or have chronic renal failure may require additional doses and should consult with their health care provider.		Two doses 6 months apart for those who are 9 to 14 years old. For those who start the series at 15 years or older, three doses are required over the course of six months. Those who are immunocompromised or immunocompetent-HIV infected require three doses.	
What are the side effects for all three vaccines?	<p><b>Most common:</b> redness, pain and/or swelling at the site (especially during the first 24 hours)</p> <p><b>Less common:</b> tiredness, muscle aches, headache and/or slight fever</p> <p><b>Very rare and serious:</b> trouble breathing, swelling of the face or mouth, hives</p> <p>To minimize common side effects, apply a cold pack to vaccine area and/or take acetaminophen according to product instructions. Public health nurses are trained to treat severe side-effects on site.</p>					
Who should NOT receive these vaccine(s)?	<ul style="list-style-type: none"> <li>Those who have had a serious reaction to any of the vaccine components or latex (refer to product monograph on-line or call a Public Health Nurse at 705-743-1000 ext. 242 for details)</li> <li>Those who have a moderate or severe acute illness should postpone vaccination (those with minor acute illness such as the common cold with or without fever may be vaccinated)</li> <li>Those who are immunocompromised or taking medications that weaken the immune systems may want to consult with their health care provider</li> <li><b>FOR HPV vaccine only:</b> people who are under 9 years of age and people who are pregnant or nursing</li> </ul>					
How can I prepare for the vaccine?	Talk to your parent/guardian about the vaccine. If you are nervous about the needle, consider focusing on breathing, look away from the needle or bring something to distract you. The nurse can help you with this. Wear a short-sleeved shirt.					
Clinic dates?	School clinic dates are posted at <a href="http://www.peterboroughpublichealth.ca">www.peterboroughpublichealth.ca</a> .					
Where can I get more information?	<ul style="list-style-type: none"> <li>Peterborough Public Health 705-743-1000, <a href="http://www.peterboroughpublichealth.ca">www.peterboroughpublichealth.ca</a> (Search Immunization)</li> <li>Immunize Canada, <a href="http://www.immunize.ca">www.immunize.ca</a></li> <li>Ontario Ministry of Health and Long-Term Care, <a href="http://www.ontario.ca/vaccines">www.ontario.ca/vaccines</a></li> <li>Your health care provider</li> </ul>					