

VACCINE INFORMATION SHEET

Tetanus, Diphtheria, Pertussis and Polio Vaccine (Adacel®-Polio or Boostrix®-Polio Vaccine)

This vaccine protects against four serious infections – tetanus, diphtheria, poliomyelitis and pertussis

- It is given as a pre-school booster in children four years of age and older who received a primary series against these four diseases
- This vaccine has lower concentrations of diphtheria and pertussis antigen than the pre-school booster used before May 2012 and is associated with fewer injection site reactions
- This vaccine is also used in unvaccinated children aged seven to 17 years of age as their primary series

Mild side effects may occur, such as:

- Redness, swelling or pain at the injection site are the most common
- Fever, chills, headache and fatigue

People should avoid this immunization if they:

- Have ever had a severe allergic (anaphylactic) reaction to a previous dose of this vaccine
- Have an allergy to any vaccine component including the following antibiotics: streptomycin, neomycin or polymyxin B

People should consult their health care provider before vaccination if they:

- Have complicated medical issues or previous severe reactions to vaccines

Tetanus	Diphtheria	Poliomyelitis (Polio)	Pertussis (Whooping Cough)
<ul style="list-style-type: none"> • Also known as lockjaw • Caused by toxin produced by the bacteria Clostridium tetani which enter the body through a cut or wound in the skin • Causes painful, prolonged muscle spasms of the jaw, neck, arms, leg and stomach • Neurological damage and death can occur 	<ul style="list-style-type: none"> • Very rare in Canada because of immunization but it is still common in developing countries where vaccines are not given routinely • The bacteria produces a toxin that can cause a fever, sore throat and thick, gray membrane to cover the throat and tonsils which obstructs breathing 	<ul style="list-style-type: none"> • A serious disease that can cause nerve damage or paralysis for life • The virus is spread by contaminated food or water • Canada has been polio free for the last 20 years but as long as polio exists in other countries, it can be imported to Canada 	<ul style="list-style-type: none"> • Spread by respiratory droplets • Causes violent coughing fits that can lead to choking or vomiting • Coughing can be so intense that a "whooping" sound is made when trying to catch the next breath • Cough can last for weeks or months • Babies may have spells where they cannot breathe or have seizures • Infants under six months of age are at the greatest risk • Pertussis outbreaks occur in Ontario every two to five years

PUBLIC HEALTH

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