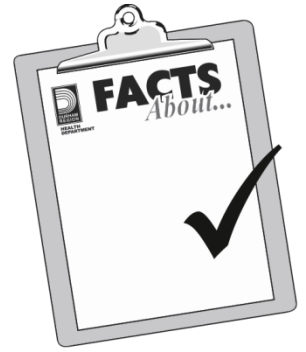




FACTS *About...*



HEALTH DEPARTMENT



Diphtheria, Pertussis, Tetanus, Polio & Haemophilus Influenza B Vaccines

What is it?

There are many different vaccines that protect against diphtheria, pertussis, tetanus, polio and *Haemophilus influenzae* B diseases (Hib). For more information see [Facts About...](#) for each disease. Your health care provider will decide which vaccine is best to give based on the Publicly Funded Immunization Schedule for Ontario.

DTaP- IPV- Hib (Pediaceal®):

- Protects children against diphtheria, pertussis, tetanus, polio and Hib diseases (all in a single injection).

Hib (Act-Hib™, Hiberix®):

- Is not routinely given by itself and is in the Pediaceal vaccine.

Tdap- IPV (Adacel®-IPV, Boostrix®-IPV):

- Protects children against diphtheria, pertussis, tetanus, and polio diseases.

Td-IPV (Td Polio Adsorbed®):

- Protects adults against tetanus, diphtheria and polio diseases.

Polio (IPV):

- Is usually combined with other vaccines and protects against polio disease.
- IPV can be given on its own if a person is not fully immunized against polio.

Tdap (Adacel®):

- Protects against diphtheria, pertussis, and tetanus diseases.

Td (Td Adsorbed®):

- Protects against diphtheria and tetanus diseases.

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For more information

Durham Region Health Department

905-666-6241 1-800-841-2729 durham.ca

If you require this information in an accessible format, contact 1-800-841-2729.



DTaP-IPV-HIB, HIB, IPV, Td-IPV, Tdap-IPV, Tdap, Td

Who should receive the vaccines?

As part of the Ontario Immunization Schedule:

- DTaP-IPV- Hib (Pediace®) is recommended for all children aged 2 months to 6 years old.
- Tdap-IPV (Adacel®-IPV, Boostrix®-IPV) is the recommended booster for children between 4 to 6 years old (since May 2012).
- Hib (Act-Hib™, Hiberix®) vaccine is typically given as DTaP-IPV- Hib, to children aged 2 months and older. Children 5 years of age and older do not require the Hib vaccine.
- Polio (Immovax®) vaccine is typically given combined with diphtheria, pertussis, tetanus and/or Hib vaccines. It can be given separate if necessary for people (aged 7 and older) who have not been previously immunized against Polio, a 3 dose series is required. Adults who may be exposed to the polio virus may need a booster dose of polio vaccine.
- Td-IPV (Td Polio Adsorbed®) is part of the catch-up schedule for adults who have not been previously immunized.
- Tdap (Adacel®) is routinely given at 14 to 16 years of age. Adults are eligible for one lifetime dose of Tdap after age 18.
- Td is routinely given every 10 years after one lifetime dose of Tdap is received in adulthood.

How effective are the vaccines?

When the vaccines are given as part of the recommended schedule:

- they protect over 97% of children against diphtheria.
- 85-90% of children against pertussis.
- virtually 100% against tetanus.
- 95-100% of children against polio.
- 95-100% of children against serious Hib infections.
- Immunized people who become ill will have a milder illness than those who are not immunized.

Are there side effects from the vaccine?

The most common side effects of the vaccines are:

- pain, redness, and swelling where the needle was given
- fever/chills
- headache
- decreased energy

Severe allergic reactions after vaccination are very rare and may not be related to the vaccine. However, if you think a serious reaction is developing, **seek medical attention right away**. Any **unusual** or **significant** changes in your health or your child's health after the immunization should be reported to a doctor **and** the Health Department.

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For more information

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**DTaP-IPV-HIB, HIB, IPV, Td-IPV, Tdap-IPV, Tdap, Td**

Are these vaccines mandatory/ required?

- All children in Ontario schools are required by law to be vaccinated against tetanus, diphtheria, polio and pertussis.
- All children in Ontario child care centres are required by law to be vaccinated against tetanus, diphtheria, polio and pertussis Hib.
- Parents must contact the Health Department if you object to immunization based on conscious or religious beliefs, or if your child cannot be immunized for medical reasons.
- Adolescents aged **14 to 16 years** require an **additional booster** dose of tetanus, diphtheria and pertussis (Tdap) vaccine to complete the immunization series.
- Under the *Immunization of School Pupils Act*, Tdap is required to attend school in Ontario 10 years after the student's 4 to 6 year old booster.
- If immunizations have been given outside of the Ontario immunization schedule, your health care provider can assist in deciding a "catch-up" schedule if needed.

Who should NOT get the vaccine?

- Anyone who has had a serious allergic reaction (called anaphylaxis) to a previous dose of any vaccine. Talk to your health care provider.
- Anyone with a high fever or serious infection worse than a cold (wait until feeling better to receive the vaccine).
- Anyone with a history of Guillain-Barré syndrome occurring within 6 weeks of a previous tetanus dose.
- If you have any medical condition, discuss with your health care provider to determine if you should receive the vaccine.
- Any component in a vaccine may be a potential allergen. The most common are:
 - Pediacel®: Neomycin, Polymyxin B, Streptomycin, Tetanus toxoid carrier protein
 - Adacel®-Polio: Neomycin, Polymyxin B, Streptomycin
 - Boostrix®-Polio: Neomycin, Polymyxin B
 - Td polio Adsorbed: Neomycin, Polymyxin B
 - Act-HIB®: Tetanus toxoid carrier protein
 - Hiberix®: Tetanus toxoid carrier protein

For more information on contents of vaccine refer to the Canadian Immunization Guide Evergreen edition <https://www.canada.ca/en/public-health/services/publications/healthy-living/canadian-immunization-guide-part-1-key-immunization-information.html?page=15>.

Your record of protection

After you or your child receives a vaccination, update your yellow vaccination record. For children in school or daycare, please call the Health Department to update your child's immunization records. Keep your records in a safe place!

September 25, 2018

For more information

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