Publicly Funded Rotavirus Vaccine Product Change

Effective immediately, Ontario’s Ministry of Health and Long-Term Care (MOHLTC) has advised the infant rotavirus vaccine program will transition from Rotarix® to RotaTeq®. Ontario is switching products as a result of the federally coordinated vaccine purchasing program.

Rotarix® by GlaxoSmithKline Inc.
- Live, attenuated, monovalent (Rot-1)
- 1.5 mL oral dose
- 2 doses, given at least 4 weeks apart
- Routinely given at 2 and 4 months of age

RotaTeq® by Merck Canada Inc.
- Live, attenuated, pentavalent (Rot-5)
- 2.0 mL oral dose
- 3 doses, given at least 4 to 10 weeks apart
- Routinely given at 2, 4 and 6 months of age

Rotavirus vaccines: timing of administration
(per Ontario Publicly Funded Immunization Schedule and Canadian Immunization Guide, CIG):

First Dose:
- Recommended: 2 months of age
- Minimum: 6 weeks of age
- Maximum: 15 weeks of age

All Doses:
- Before 8 months of age (CIG)
- Publicly funded until 6 months of age

If the rotavirus vaccine product received for the first dose is unknown or the first dose was Rotarix® and is no longer available, complete the vaccine series with RotaTeq® for a total of 3 doses of rotavirus vaccine.

Scenarios to Complete Rotavirus Vaccine Series:

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st dose of Rotarix® was given at 2 months and Rotarix® is available</td>
<td>Provide 2nd dose of Rotarix® at 4 months of age – Series is complete</td>
</tr>
<tr>
<td>1st dose of Rotarix® was given at 2 months and Rotarix® is not available</td>
<td>Provide a 2nd dose of RotaTeq® at 4 months and a 3rd dose of RotaTeq® at 6 months of age – Series is complete</td>
</tr>
<tr>
<td>If the product is unknown for the 1st dose of rotavirus vaccine (e.g., infant arrives from out of province with an immunization record that does not specify which rotavirus vaccine was received)</td>
<td>Provide 2 doses of RotaTeq® at 4 and 6 months of age – Series is complete</td>
</tr>
</tbody>
</table>

The Publicly Funded Immunization Schedules for Ontario are available at:

The National Advisory Committee on Immunization (NACI) recommends routine infant rotavirus vaccination with either Rotarix® or RotaTeq®. NACI also recommends that a vaccine series should be started and completed with the same product whenever possible.

More information for health care providers regarding the rotavirus vaccine product change available here:

Rotavirus vaccines orders can be submitted online at:
http://www.peelregion.ca/health/professionals/V-07-629.htm
Vaccine Ordering Reminders:
- Please order no more than a ONE month supply of vaccines.
- Submit vaccine orders at least three business days prior to the scheduled delivery date for processing.
- Return expired vaccine to Region of Peel - Public Health at your next pick-up or delivery with a completed vaccine wastage report: http://www.peelregion.ca/health/professionals/pdfs/V-07-739.pdf

DTaP Vaccine Recall in China

Two batches of DTaP vaccine were recalled by China Food and Drug Administration (CFDA) on October 29, 2017 after failing potency testing. The World Health Organization and Health Canada have provided the affected lots of vaccine and where they were distributed in China:

<table>
<thead>
<tr>
<th>Province of distribution</th>
<th>Lot Number 201605014-01</th>
<th>Lot Number 201607050-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shandong Province</td>
<td></td>
<td>Hebei Province and Chongqing</td>
</tr>
<tr>
<td>Dates doses released</td>
<td>March – May 2017</td>
<td>March – May 2017</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Changchun Biotechnology Co.</td>
<td>Wuhan Institute of Biological Products</td>
</tr>
</tbody>
</table>

Health Care Providers are to consider doses of DTaP vaccines given in China invalid in the following scenarios:
- With recalled lot numbers in above table
- If no lot number, vaccines administered from March to October 2017 in Shandong, Hebei, and Chongqing

These children should be revaccinated after consideration of the child’s current age, and the number of previous doses of DTaP vaccine received, according to Ontario’s Catch-up Immunization Schedule:


Given China’s immunization schedule (4 doses of DTaP vaccine given at ages 3, 4, 5 and 18 months, with allowance for late administration), the likely cohort of children impacted would be those between 3 months and 24 months of age at the time they were immunized in China.

Rabies Vaccine Recall in China

Region of Peel - Public Health is awaiting further details and instruction regarding rabies vaccines produced by Changchun Biotechnology Co. in China, following a CFDA inspection with orders to stop production, issue recalls of the rabies vaccine, and suspend the issuance of all products. At this time, there is limited information on the vaccines associated with this July 2018 recall.

The Canadian Immunization Guide provides advice regarding management of travelers exposed to a potentially rabid animal in other countries:
- Consult public health officials, even if a complete course of post-exposure prophylaxis has been provided in that country, due to higher prevalence of rabies in some countries and concerns about potency of available vaccines

Reporting:
As a disease of public health significance health care providers must report confirmed or suspected animal bites or scratches with risk of rabies to Region of Peel - Public Health at (905) 799-7700.