### 1983 TOTAL PreSchool

**22 Vaccines**
- In 6 Injections & 4 oral doses

<table>
<thead>
<tr>
<th>AGE</th>
<th>Number Vaccines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prenatal</td>
<td>Ø</td>
</tr>
<tr>
<td>2 Months</td>
<td>DPT: 3 vaccines in 1 shot  OPV: oral polio, live virus vaccine 4</td>
</tr>
<tr>
<td>4 Months</td>
<td>DPT: 3 vaccines in 1 shot  OPV: oral polio, live virus vaccine 4</td>
</tr>
<tr>
<td>6 Months</td>
<td>DPT: 3 vaccines in 1 shot 4</td>
</tr>
<tr>
<td>12 Months</td>
<td>MMR: 3 live virus vaccines in 1 shot at <strong>15 months</strong> 3</td>
</tr>
<tr>
<td>18 Months</td>
<td>DPT: 3 vaccines in 1 shot  OPV: oral polio, live virus vaccine 4</td>
</tr>
<tr>
<td>3 Yr</td>
<td>Ø</td>
</tr>
<tr>
<td>4-6 Yr</td>
<td>DPT: 3 vaccines in 1 shot  OPV: oral polio, live virus vaccine 4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>22</strong></td>
</tr>
</tbody>
</table>

### 2020 TOTAL PreSchool

**52 (53)* Vaccines**
- In 18 (19)* Injections & 3 oral doses

*High Risk only

<table>
<thead>
<tr>
<th>AGE</th>
<th>Number Vaccines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prenatal</td>
<td>Fetal exposure: routine schedule for pregnant women</td>
</tr>
<tr>
<td>2 Months</td>
<td><strong>DTaP-HB-IPV-Hib 6 vaccines in 1 shot</strong>  <strong>Pneumococcal C-13</strong>  <strong>Rotavirus (oral) live virus vaccine</strong> 8</td>
</tr>
<tr>
<td>4 Months</td>
<td><strong>DTaP-HB-IPV-Hib 6 vaccines in 1 shot</strong>  <strong>Pneumococcal C-13</strong>  <strong>Rotavirus (oral) live virus vaccine</strong> 8</td>
</tr>
<tr>
<td>6 Months</td>
<td><strong>DTaP-HB-IPV-Hib 6 vaccines in 1 shot</strong>  <strong>Influenza 2 doses 4 weeks apart</strong>  <strong>Rotavirus (oral) live virus vaccine</strong>  <strong>Pneumococcal C-13</strong>(High risk only) 9 (10)*</td>
</tr>
<tr>
<td>12 Months</td>
<td><strong>MMRV 4 live virus vaccines in 1 shot</strong>  <strong>Pneumococcal C-13</strong>  <strong>Meningococcal C-C</strong> 6</td>
</tr>
<tr>
<td>18 Months</td>
<td><strong>DTaP-IPV-Hib 5 vaccines in 1 shot</strong>  <strong>MMRV 4 live virus vaccines in 1 shot</strong>  <strong>Influenza (1st Annual dose)</strong> 10</td>
</tr>
<tr>
<td>3 Yr</td>
<td><strong>Influenza (Annual dose in Fall)</strong> 1</td>
</tr>
<tr>
<td>4-6 Yr</td>
<td><strong>DTaP-IPV 4 vaccines in 1 shot (at 4-5 years old)</strong>  <strong>Influenza (3 Annual doses, 1 each Fall)</strong> 7</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>52 (53)</strong>*</td>
</tr>
</tbody>
</table>

By the time your child graduates from high school, they will have received doses:
- Additional 11 annual Influenza vaccines
- 2 doses HPV in Grade 6
- Tdap (3-in-1 shot) and Men C-ACWY in Grade 9.

**TOTAL Grade School & High School in 2020**
17 Vaccine doses in 15 Injections

**2020 GRAND TOTAL: Prenatal to Age 18**
69 or 70 Vaccine Doses

**Did you know vaccination is VOLUNTARY in Canada?**

As Health Canada explained years ago: “Unlike some countries, immunization is not mandatory in Canada; it cannot be made mandatory because of the Canadian Constitution...legislation and regulations must not be interpreted to imply compulsory immunization.”


VCC • PEI 2020 Schedule Update
Vaccines used in the 1983 PEI schedule

Note: All 3 of these vaccines have since been withdrawn from the market due to safety concerns.

- **DPT**: diptheria, whole cell pertussis, tetanus vaccine
  3 vaccine combination
- **OPV**: oral, live virus polio vaccine
- **MMR**: measles, mumps (Urabe strain), rubella vaccine
  3 live virus vaccine combination

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**Vaccines used in the 2020 PEI schedule**

- **DTaP-HB-IPV-Hib**: 6 vaccine combination with diphtheria(D), tetanus(T), acellular pertussis(ap), HepatitisB (HB), inactivated polio (IPV) & Hib (Haemophilus Influenzae B) **3 doses at 2, 4 & 6 months**
  - INFANRIX® hexa®
- **DTaP-IPV-Hib**: 5 vaccine combination with diphtheria(D), tetanus(T), acellular pertussis(ap), inactivated polio (IPV) & Hib (Haemophilus Influenzae B) vaccines at **18 months**
  - PediaceTM or Infanrix-IPV/Hib®
- **Tdap-IPV**: tetanus, diphtheria, acellular pertussis, polio **4 vaccine combination booster at 4-5 years**
  - ADACEL-Polio® or BOOSTRIX-Polio®
- **Tdap**: 3 vaccine combination with reduced tetanus, diphtheria, reduced acellular pertussis **Grade 9 routine booster**
  - ADACEL-Polio® or BOOSTRIX®
- **Influenza**: annual Flu shot, quadrivalent vaccine
  - 2 doses at 6 months and annually thereafter
  - Flulaval® Tetra or Fluzone® Quadrivalent
- **HPV**: Human papillomavirus vaccine **2 doses Grade 6**
  - Gardasil® 9TM
- **Men-C-C**: Meningococcal serotype C vaccine **At 12 months**
  - Menjugate® or NeisVac-C®
- **Men C-ACYW-135**: 4 Meningococcal serotypes **Grade 9**
  - MENVEO® or MENACTRA®
- **MMRV**: measles, mumps, rubella, varicella (chickenpox) **4 live virus combination vaccine at 12 & 18 months**
  - Priorex Tetra® or ProQuadTM
- **Pneu C-13**: pneumococcal vaccine **3 doses at 2, 4, 12 months**
  - Prevnar 13®
- **Rotavirus**: live oral vaccine **3 doses at 2, 4, 6 months**
  - RotaTeq®
- **LIVE VIRUS VACCINES** can shed for varying amounts of time (weeks to months) in the body fluids of vaccinated people and can be transmitted to others.

“Little is known about the potential of live attenuated and genetically engineered vaccine viruses to mutate and recombine with other viruses and create new viruses that will cause disease or affect the integrity of the human genome, human microbiome and healthy functioning of the immune and neurological systems.” — NVIC at http://www.nvic.org/cmstemplates/nvic/pdf/live-virus-vaccines-and-vaccine-shedding.pdf

Immunization is delivered to children by PEI Public Health Nursing offices by appointment or in scheduled visits to schools. Children, under the age of 18 years or until the child completes high school, can receive vaccines at no cost.

General information on childhood schedules and some reports can be found [here](https://www.princeedwardisland.ca/en/information/health-and-wellness/childhood-immunizations)

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**What’s In those Vaccines?**

In the first 12 months of life, during critical phases of brain and immune system development, your baby will receive 31 or 32 doses of complex biochemical vaccine ingredients. We identify some of these substances, such as adjuvants, preservatives and other ‘clinically significant’ ingredients in the following brands:

**Example Vaccines received in the first year**

- **3 DTaP-HB-IPV-Hib** — Infanrix hexa®
- **3 Pneu C-13** — Prevnar 13®
- **3 Rotavirus** — RotaTeq®
- **2 Influenza** — Flulaval® Tetra
- **1 MMRV** — ProQuad™
- **1 Men-C-C** — Menjugate®

**Infanrix hexa** (DTaP-HB-IPV-Hib)

- Adjuvant: **Aluminum 820mcg X 3 doses = 2460mcg**
- Potential Allergens: Butyl in stopper Neomycin Polymyxin B Yeast protein
- Other: Disodium phosphate Formaldehyde Glycine Lactose M199 Monopotasium phosphate Polysorbate 20 and 80 Potassium chloride Sodium chloride

**Prevnar-13** (Pneumococcal)

- Adjuvant: **Aluminum 125mcg X 3 doses = 375mcg**
- Potential Allergens: Diphtheria CRM197 toxoid carrier protein Other: Polysorbate 80, Sodium chloride, Succinic acid

**RotaTeq** (Rotavirus)

- Other: DNA fragments from porcine circoviruses 1 and 2, Fetal bovine serum, Polysorbate 80, Residual protein from cell culture

**Flulaval Tetra** (Influenza)

Preservative (multidose vials only):
- **Thimerosal <25mcg mercury X 2doses = <50mcg**
- Potential Allergens: Egg protein, Thimerosal
- Other: Formaldehyde, Polysorbate 80, Sucrose, Ethanol, alphatocopheryl hydrogen succinate (Vitamin E)

**ProQuad** (MMRV)

- Potential Allergens: Neomycin, animal gelatin, Residual components of chick embryo cell cultures
- Other: Human fetal cell DNA fragments, Human albumin, Urea, Monosodium L-glutamate, Sucrose, Sorbitol

**Menjugate** (Meningococcal)

- Adjuvant: **Aluminum 1000mcg X 1 dose = 1000mcg**
- Potential Allergens: Latex, Diphtheria CRM197 toxoid protein Other: Disodium phosphate heptahydrate, Mannitol, Sodium
- Note: Due to space considerations, chemical salts, sugars and many other ingredients may not be listed in the Other Ingredients category above. For complete ingredient listings and information on vaccines, see the BC Centre for Disease Control manual: Communicable Disease Control Immunization Program/Section VII–Biological Products. Products used in PEI are all listed there.

Using the above vaccines in the first year of life, vaccinated babies will receive a total of **3835 micrograms(mcg) of aluminum** and almost **50 micrograms of mercury**, both of which are known neurotoxins affecting brain development and function. Babies will also be exposed to various animal and human DNA, cell fragments and contaminants. The polysorbate 20 & 80 emulsifiers can cross the blood brain barrier, ferrying any other vaccine ingredients into the brain.

Ask your nurse which vaccines they use and then read the eye-opening product monographs linked above. All Product monographs are available online at www.vaccines411.ca under the health professionals tab.

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**PEI 2020 Schedule Update**

VCC Jan 2020