











compares PEI Vaccine Schedules

1983 TOTAL PreSchool 22 Vaccines In 6 Injections & 4 oral doses	AGE	2020 TOTAL PreSchool 52 (53)* Vaccines In 18 (19)* Injections & 3 oral doses *High Risk only
∅ <div style="text-align: right;">Number Vaccines</div>	Prenatal 	Number Vaccines: 4 Fetal exposure: routine schedule for pregnant women Influenza Vaccine Tdap 3 vaccines in 1 shot
DPT: 3 vaccines in 1 shot OPV: oral polio, live virus vaccine <div style="text-align: right;">4</div>	2 Months 	8 DTaP-HB-IPV-Hib 6 vaccines in 1 shot Pneumococcal C-13 Rotavirus (oral) live virus vaccine
DPT: 3 vaccines in 1 shot OPV: oral polio live virus vaccine <div style="text-align: right;">4</div>	4 Months 	8 DTaP-HB-IPV-Hib 6 vaccines in 1 shot Pneumococcal C-13 Rotavirus (oral) live virus vaccine
DPT: 3 vaccines in 1 shot <div style="text-align: right;">3</div>	6 Months 	9 (10)* DTaP-HB-IPV-Hib 6 vaccines in 1 shot Influenza 2 doses 4 weeks apart Rotavirus (oral) live virus vaccine Pneumococcal C-13* (High risk only)
∅	12 Months 	6 MMRV 4 live virus vaccines in 1 shot Pneumococcal C-13 Meningococcal C-C
MMR: 3 live virus vaccines in 1 shot at 15 months <div style="text-align: right;">3</div>	18 Months 	10 DTaP-IPV-Hib 5 vaccines in 1 shot MMRV 4 live virus vaccines in 1 shot Influenza (1st Annual dose)
DPT: 3 vaccines in 1 shot OPV: oral polio live virus vaccine <div style="text-align: right;">4</div>	3 Yr 	1 Influenza (Annual dose in Fall)
DPT: 3 vaccines in 1 shot OPV: oral polio live virus vaccine <div style="text-align: right;">4</div> <div style="text-align: right; border: 1px solid black; padding: 2px;">Total 22</div>	4-6 Yr 	7 DTaP-IPV 4 vaccines in 1 shot (at 4-5 years old) Influenza (3 Annual doses, 1 each Fall) (Varicella if child has not had 2 doses) <div style="text-align: right; border: 1px solid black; padding: 2px;">Total 52 (53*)</div>



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.”

—Immunization in Canada, Volume: 23S4, May 1997, [Canadian National Report on Immunization](#)

LEGEND

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: diphtheria, 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

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*
• Pediacel[™] 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 BOSTRIX[®]

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 9[™]

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 ProQuad[™]

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): <https://www.princeedwardisland.ca/en/information/health-and-wellness/childhood-immunizations>

PEI 2020 Schedule Update

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[®]

2 Influenza—Flulaval[®] Tetra

1 Men-C-C—Menjugate[®]

3 Rotavirus—RotaTeq[®]

1 MMRV—ProQuad[™]

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
Monopotassium 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, alpha-tocopheryl 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.