

<b>1983 TOTAL PreSchool</b> <b>22 Vaccines</b> In 6 Injections & 4 oral doses		AGE	<b>2017 TOTAL PreSchool</b> <b>47 (48)* Doses</b> In 19 (20)* Injections & 2 oral doses <small>*Aboriginal babies receive 4 doses Pneu C-13</small>	
Ø	Number Vaccines	Prenatal 	Number Vaccines 1	<b>Influenza Vaccine</b> in routine schedule for pregnant women.
<b>DPT:</b> 3 vaccines in 1 shot <b>OPV:</b> oral polio, live virus vaccine	4	2 Months 	7	<b>DTaP-IPV-Hib</b> 5 vaccines in 1 shot <b>Pneumococcal C-13</b> <b>Rotavirus (oral)</b> live virus vaccine
<b>DPT:</b> 3 vaccines in 1 shot <b>OPV:</b> oral polio, live virus vaccine	4	4 Months 	8	<b>DTaP-IPV-Hib</b> 5 vaccines in 1 shot <b>Meningococcal C</b> <b>Pneumococcal C-13</b> <b>Rotavirus (oral)</b> live virus vaccine
<b>DPT:</b> 3 vaccines in 1 shot	3	6 Months 	7 (8)*	<b>DTaP-IPV-Hib</b> 5 vaccines in 1 shot <b>Pneumococcal C-13 (Aboriginal only)*</b> <b>Influenza</b> 2 doses 4 weeks apart
Ø		12 Months 	6	<b>MMRV</b> 4 live virus vaccines in 1 shot <b>Meningococcal C</b> <b>Pneumococcal C-13</b>
<b>MMR:</b> 3 live virus vaccines in 1 shot at <b>15 months</b>	3	18 Months 	6	<b>DTaP-IPV-Hib</b> 5 vaccines in 1 shot <b>Influenza (1st Annual dose)</b>
<b>DPT:</b> 3 vaccines in 1 shot <b>OPV:</b> oral polio, live virus vaccine	4	3 Yr	1	<b>Influenza (Annual dose in Fall)</b>
<b>DPT:</b> 3 vaccines in 1 shot <b>OPV:</b> oral polio, live virus vaccine	4	4-6 Yr 	11 <b>Total 47 (48)</b>	<b>dTap-IPV</b> 4 vaccines in 1 shot <b>MMRV</b> 4 live virus vaccines in 1 shot <b>Influenza (3 Annual doses, 1 each Fall)</b>
<b>Total 22</b>				



By the time your child graduates from high school, they will have received an additional 21 doses:

- 11 annual Influenza vaccines, and
- 3 doses HPV and 3 doses of HepB (HBV) in grade 5, and
- dTap (3-in-1 shot) and Men C-ACYW-135 in grade 9.

**TOTAL Grade School & High School in 2017**  
**21 Vaccines in 19 Injections**

**2017 GRAND TOTAL: Prenatal to Age 18**  
**68 or 69 Vaccines**

## 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 Alberta 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Note: All 3 of these vaccines have since been withdrawn from the market due to safety concerns.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 2017 Alberta schedule

**DTaP-IPV-Hib:** 'whooping cough' vaccine

5 vaccine combination with diphtheria, tetanus, acellular pertussis, polio and Hib (Haemophilus Influenzae B) vaccines  
(Note: Hib is a bacterial infection, not related to influenza)  
• Pediacel™ or Infanrix-IPV/Hib®

**dTap-IPV:** 4 vaccine combination with reduced diphtheria, tetanus, reduced acellular pertussis and polio vaccines  
• Adacel®-Polio or Boostrix®-Polio

**dTap:** 3 vaccine combination with reduced diphtheria, tetanus, reduced acellular pertussis, Grade 9 routine booster  
• Adacel® or Boostrix®

**Hepatitis B (HBV):** virus vaccine,  
• Engerix®-B or Recombivax HB®

**HPV:** Human papillomavirus vaccine,  
• Gardasil 9™

**Influenza:** annual Flu shot, quadrivalent vaccine  
• Fluzone® Quadrivalent or  
\*Flumist® live virus vaccine, > 2yrs of age

**Men-C:** Meningococcal serotype C vaccine  
• Menjugate® or NeisVac-C®

**Men C-ACYW-135:** 4 Meningococcal serotypes,  
• Menactra®, Menveo® or Nimenrix®

\***MMRV:** measles, mumps, rubella, varicella (chickenpox)  
4 live virus combination vaccine  
• Priorex Tetra® or ProQuad™

**Pneu C-13:** pneumococcal vaccine, 13 serotypes,  
• Prevnar 13®

\***Rotavirus:** live oral vaccine, Rotarix™

**Tdap-IPV:** tetanus, diphtheria, pertussis vaccine, polio  
4 vaccine combination, booster vaccine  
Adacel-Polio® or Boostrix-Polio®

\***Varicella:** chickenpox live virus vaccine

\***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](http://www.nvic.org/cmstemplates/nvic/pdf/live-virus-vaccines-and-vaccine-shedding.pdf) <http://www.nvic.org/cmstemplates/nvic/pdf/live-virus-vaccines-and-vaccine-shedding.pdf>

## What's In those Vaccines?

In the first year of life, during critical phases of brain and immune system development, your baby will receive 29 doses of complex biochemical vaccine ingredients. We identify some of these substances, such as adjuvants, preservatives and other 'clinically significant' ingredients in the following popular brands:

### Example Vaccines received in the first year

<b>3 DTaP-IPV-Hib</b> —Pediacel®	<b>2 Men-C</b> —Menjugate®
<b>3 Pneu C-13</b> —Prevnar 13®	<b>2 Rotavirus</b> —Rotarix™
<b>2 Influenza</b> —Fluzone®Quad	<b>1 MMRV</b> —ProQuad™

### Pediacel (DTaP-IPV-Hib):

Adjuvant: Aluminum 820mcg X 3 doses = **2460mcg**  
Preservative: 2-Phenoxyethanol (PE)  
Potential Allergens: Polymyxin B, Yeast protein, Neomycin, Tetanus toxoid carrier protein  
Other: Bovine serum albumin Formaldehyde  
Monkey kidney cell DNA Polysorbate 80

### Menjugate:

Adjuvant: Aluminum 1000mcg X 2 doses = **2000mcg**  
Potential Allergens: Latex, Diphtheria toxoid carrier protein  
Other: Disodium phosphate heptahydrate, Mannitol, Sodium chloride, Sodium dihydrogen phosphate monohydrate

### Prevnar-13:

Adjuvant: Aluminum 1250mcg X 3 doses = **3750mcg**  
Potential Allergens: Diphtheria toxoid carrier protein  
Other: Polysorbate 20 and 80, Formaldehyde, Lactose

**Rotarix:** Other: DNA fragments from porcine circovirus 1, Contaminants from cell growth medium

### Fluzone Quad:

Preservative: **Multidose vials only, not single prefiled syringes**  
Thimerosal <25mcg **mercury** X 2doses = **<50mcg**  
Potential Allergens: Egg protein, Thimerosal  
Other: Formaldehyde, Triton® X-100, Sodium phosphate-buffered isotonic sodium chloride solution

### ProQuad (MMRV):

Potential Allergens: Neomycin, animal gelatin  
Residual components of chick embryo cell cultures  
Other: Human fetal cells: WI-38 lung fibroblasts & MRC-5 cells  
Human albumin, Monosodium L-glutamate, Sucrose, Sorbitol, Sodium chloride and phosphate, Urea

Using the above vaccines in the first year of life, vaccinated babies will receive a total of **8210 micrograms(mcg) of aluminum** and perhaps <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 & TritonX-100 emulsifiers can cross the blood brain barrier, ferrying any other vaccine ingredients into the brain with them.

Ask your doctor what vaccines they use and then read the eye-opening product monographs. [Product monographs](#) are available online at [www.vaccines411.ca](http://www.vaccines411.ca) under the health professionals tab.

**Adverse Events:** For lists and descriptions of [Reportable Adverse Events Following Immunization](#) see: <http://www.health.alberta.ca/documents/AIP-Adverse-Events-Following-Immunization-Policy.pdf>