











1983 TOTAL PreSchool 22 Vaccine doses In 6 Injections & 4 oral doses		AGE	2020 TOTAL PreSchool 54 (55)* Vaccine doses In 19 (20)* Injections & 3 oral doses *Aboriginal babies receive 4 doses Pneu C-13	
Ø	Number Vaccines	Prenatal 	4	Fetal Exposure: in routine schedule for pregnant women <b>Influenza Vaccine dTap</b> 3 vaccines in 1 shot
DPT: 3 vaccines in 1 shot OPV: oral polio, live virus vaccine	4	2 Months 	8	<b>DTaP-HB-IPV-Hib</b> 6 vaccines in 1 shot <b>Pneumococcal C-13</b> <b>Rotavirus (oral)</b> live virus vaccine
DPT: 3 vaccines in 1 shot OPV: oral polio, live virus vaccine	4	4 Months 	9	<b>DTaP-HB-IPV-Hib</b> 6 vaccines in 1 shot <b>Meningococcal C</b> <b>Pneumococcal C-13</b> <b>Rotavirus (oral)</b> live virus vaccine
DPT: 3 vaccines in 1 shot	3	6 Months 	9 (10)*	<b>DTaP-HB-IPV-Hib</b> 6 vaccines in 1 shot <b>Pneumococcal C-13 (Aboriginal only)*</b> <b>Rotavirus (oral)</b> live virus vaccine <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>
MMR: 3 live virus vaccines in 1 shot at 15 months	3	18 Months 	6	<b>DTaP-IPV-Hib</b> 5 vaccines in 1 shot <b>Influenza</b> (1st Annual dose)
DPT: 3 vaccines in 1 shot OPV: oral polio, live virus vaccine	4	3 Yr 	1	<b>Influenza</b> (Annual dose in Fall)
DPT: 3 vaccines in 1 shot OPV: oral polio, live virus vaccine	4	4-6 Yr 	11	<b>dTap-IPV</b> 4 vaccines in 1 shot, 4 yr old booster <b>MMRV</b> 4 live virus vaccines in 1 shot <b>Influenza</b> (1 dose Annually each Fall=3 doses)
<b>Total 22</b>			<b>Total 54 (*55)</b>	



By the time your child graduates from high school, they will have received an additional 17 to 19 doses:

- 11 annual Influenza vaccines, and
- 2 doses HPV in Grade 6 (Children will also receive 2 doses of HepB if not received in infancy.)
- dTap (3-in-1 shot) and Men C-ACYW-135 in Grade 9.

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

**2020 GRAND TOTAL: Prenatal to Age 18**  
71 or 72 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 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 2020 Alberta 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)

- **INFANRIX hexa<sup>®</sup>** 3 doses at 2, 4, 6 months

**DTaP-IPV-Hib:** ‘whooping cough’ vaccine

5 vaccine combination with diphtheria, tetanus, acellular pertussis, polio and Hib vaccines 1 dose at 18 months

- **Pediacel<sup>™</sup>** or **Infanrix-IPV/Hib<sup>®</sup>**

**dTap-IPV:** 4 vaccine combination with tetanus, reduced diphtheria and acellular pertussis, polio vaccines  
1 dose at 4 years

- **Adacel<sup>®</sup>**-Polio or **Boostrix<sup>®</sup>**-Polio

**dTap:** 3 vaccine combination with reduced diphtheria, tetanus, reduced acellular pertussis, *Grade 9 booster*

- **Adacel<sup>®</sup>** or **Boostrix<sup>®</sup>**

**Hepatitis B (HBV):** virus vaccine, *Catch-Up 2 doses Grade 6*

- **Engerix<sup>®</sup>**-B or **Recombivax HB<sup>®</sup>**

**HPV:** Human papillomavirus vaccine

2 doses for 9–14 yrs olds or 3 doses for ≥ 15 years olds

- **Gardasil 9<sup>™</sup>**

**Influenza:** annual Flu shot, quadrivalent vaccine

2 doses at 6 months, once annually thereafter

- **Fluzone<sup>®</sup>** Quadrivalent

**Men-C:** Meningococcal serotype C vaccine

2 doses at 4 and 6 months

- **Menjugate<sup>®</sup>** or **NeisVac-C<sup>®</sup>**

**Men C-ACYW-135:** 4 Meningococcal serotypes, *Grade 9*

- **Menactra<sup>®</sup>**, **Menveo<sup>®</sup>** or **Nimenrix<sup>®</sup>**

**\*MMRV:** 4 live virus combination vaccine measles, mumps, rubella, varicella (chickenpox) 2 doses at 12 months & 4-6 yrs

- **Priorex Tetra<sup>®</sup>** or **ProQuad<sup>™</sup>**

**Pneu C-13:** pneumococcal vaccine 3 doses at 2, 4, 12 months (4th dose at 12 months Aboriginal babies) • **Prennar 13<sup>®</sup>**

**\*Rotavirus:** live oral vaccine, 3 doses at 2,4, 6 months

- **RotaTeq<sup>®</sup>**

**\*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/cmstemplatess/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 32 or 33 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

**3 DTaP-HB-IPV-Hib**—Infanrix hexa<sup>®</sup>      **2 Men-C**—Menjugate<sup>®</sup>  
**3 Pneu C-13**—Prennar 13<sup>®</sup>              **3 Rotavirus**—RotaTeq<sup>™</sup>  
**2 Influenza**—Fluzone<sup>®</sup>Quad              **1 MMRV**—ProQuad<sup>™</sup>

### 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

### Menjugate (Meningococcal)

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

### Prennar-13 (Pneumococcal)

Adjuvant: **Aluminum** 125mcg X 3 doses = **375mcg**

Potential Allergens: Diphtheria toxoid carrier protein  
Other: Polysorbate 20 and 80, Formaldehyde, Lactose

**RotaTeq** (Rotavirus)      Other: DNA fragments from porcine circoviruses 1 and 2, Fetal bovine serum, Polysorbate 80, Residual protein from cell culture

### Fluzone Quad (Influenza)

Preservative: **Multidose vials only, not in single prefiled syringes**

Thimerosal <25mcg **mercury** X 2doses = **<50mcg**

Potential Allergens: Egg protein, Thimerosal  
Other: Formaldehyde, Triton<sup>®</sup> 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 cell DNA fragments, Human albumin, Urea, Monosodium L-glutamate, Sucrose, Sorbitol

Using the above vaccines in the first year of life, vaccinated babies will receive a total of **4835 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 & TritonX-100 emulsifiers can cross the blood brain barrier, ferrying any other vaccine ingredients into the brain with them.

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

[Immunization Program Standards Manual](#) has information on each vaccine in the Biological Products section. Adverse Events are detailed in this document, [Adverse Events Following Immunization \(AEFI\) Policy](#). [Alberta Immunization Program History](#) details past and present vaccines used and current program recommendations and requirements.