








# compares NF&L Vaccine Schedules

1983	TOTAL PreSchool 22 Vaccines In 6 Injections & 4 oral doses	AGE	2017	TOTAL PreSchool 46 (47)* Vaccines In 18 (19)* Injections & 2 oral doses <small>*Rural Aboriginal babies receive 4 doses Pneu C-13</small>
	Ø	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	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 Months 	7	<b>DTaP-IPV-Hib</b> 5 vaccines in 1 shot <b>Pneu C-13</b> <b>Rotavirus (oral)</b> live virus vaccine
	<b>DPT:</b> 3 vaccines in 1 shot	6 Months 	7 (8)*	<b>DTaP-IPV-Hib</b> 5 vaccines in 1 shot <b>Pneu C-13*</b> (Aboriginal babies in rural areas) <b>Influenza</b> 2 doses 4 weeks apart
	Ø	12 Months 	6	<b>MMRV</b> 4 live virus vaccines in 1 shot <b>Pneu C-13</b> <b>Meningococcal C-C</b>
	<b>MMR:</b> 3 live virus vaccines in 1 shot at <b>15 months</b>	18 Months 	10	<b>DTaP-IPV-Hib</b> 5 vaccines in 1 shot <b>MMRV</b> 4 live virus vaccines in 1 shot <b>Influenza</b> (1st Annual dose)
	<b>DPT:</b> 3 vaccines in 1 shot <b>OPV:</b> oral polio live virus vaccine	3 Yr 	1	<b>Influenza</b> (Annual dose in Fall)
	<b>DPT:</b> 3 vaccines in 1 shot <b>OPV:</b> oral polio live virus vaccine	4-6 Yr	7	<b>DTaP-IPV</b> 4 vaccines in 1 shot <b>Influenza</b> (3 Annual doses, 1 each Fall)
	<b>Total</b> <b>22</b>		<b>Total</b> <b>46 (47)</b>	



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

- 11 annual Influenza vaccines, and
- Men C-ACWY in Grade 4
- 3 doses HPV (both girls & boys as of Sept 2017) and 2 doses of HepB in Grade 6
- Tdap (3-in-1 shot) in Grade 9.

**TOTAL Grade School & High School in 2017**  
**20 Vaccines in 18 Injections**

**2017 GRAND TOTAL: Prenatal to Age 18**  
**66 or 67 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 NF&L 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 NF&L 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<sup>TM</sup> or Infanrix-IPV/Hib<sup>®</sup>

**DTaP-IPV:** 4 vaccine combination with tetanus, reduced diphtheria, reduced acellular pertussis and polio vaccines

- Infanrix<sup>TM</sup>-IPV or Quadracel<sup>®</sup>

**Hepatitis B (HB):** virus vaccine,

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

**HPV:** Human papillomavirus vaccine,

- Gardasil<sup>TM</sup> (4-valent)

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

- Flulaval<sup>®</sup> Tetra or Fluzone<sup>®</sup> Quadrivalent

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

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

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

- MENVEO<sup>®</sup> or MENACTRA<sup>®</sup>

\***MMRV:** measles, mumps, rubella, varicella (chickenpox)

4 live virus combination vaccine

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

**Pneu C-13:** pneumococcal vaccine, 13 serotypes,

- Prevnar 13<sup>®</sup>

\***Rotavirus:** live oral vaccine, Rotarix<sup>TM</sup>

**Tdap:** 3 vaccine combination with reduced diphtheria, tetanus, reduced acellular pertussis, Grade 10 routine booster

- Adacel<sup>®</sup> or Boostrix<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** at <http://www.nvic.org/cmstemplates/nvic/pdf/live-virus-vaccines-and-vaccine-shedding.pdf>

## 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 28 (or 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 brands:

### Example Vaccines received in the first year

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

### 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 1 doses = **1000mcg**  
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

### Flulaval<sup>®</sup> Tetra:

Preservative: Thimerosal <25mcg mercury X 2doses = **<50mcg**  
Potential Allergens: Egg protein, Thimerosal  
Other: Formaldehyde

### 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 **7210 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 nurse which 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.

Young children aged two months to five years receive their immunization from community health nurses at their local health unit. School-aged children are offered immunization programs delivered by community health nurses in special immunization clinics at your child's school. Publicly funded "Flu shots" are also available from doctors and pharmacists.

Consent to Immunization and Adverse Events Following Immunization(AEFIs) are discussed in the [NF&L Immunization Manual](#): [http://www.health.gov.nl.ca/health/publichealth/cdc/S1\\_Routine\\_Guidlns\\_Schedules.pdf](http://www.health.gov.nl.ca/health/publichealth/cdc/S1_Routine_Guidlns_Schedules.pdf)