









# compares NF&L Vaccine Schedules

<b>1983</b>	<b>TOTAL PreSchool</b> <b>22 Vaccine doses</b> In 6 Injections & 4 oral doses	<b>AGE</b>	<b>2020</b>	<b>TOTAL PreSchool</b> <b>50 (51)* Vaccine doses</b> In 18 (19)* Injections & 3 oral doses <small>*Rural Aboriginal babies receive 4 doses Pneu C-13</small>
	Ø	Prenatal 		Fetal exposure: routine schedule for pregnant women <b>Influenza Vaccine</b> <b>Tdap</b> 3 vaccines in 1 shot
	DPT: 3 vaccines in 1 shot OPV: oral polio, live virus vaccine	2 Months 		<b>DTaP-IPV-Hib</b> 5 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 Months 		<b>DTaP-IPV-Hib</b> 5 vaccines in 1 shot <b>Pneumococcal C-13</b> <b>Rotavirus (oral)</b> live virus vaccine
	DPT: 3 vaccines in 1 shot	6 Months 		<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 <b>Rotavirus (oral)</b> live virus vaccine
	Ø	12 Months 		<b>MMRV</b> 4 live virus vaccines in 1 shot <b>Pneumococcal C-13</b> <b>Meningococcal C-C</b>
	MMR: 3 live virus vaccines in 1 shot at <b>15 months</b>	18 Months 		<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)
	DPT: 3 vaccines in 1 shot OPV: oral polio live virus vaccine	3 Yr 		<b>Influenza</b> (Annual dose in Fall)
	DPT: 3 vaccines in 1 shot OPV: oral polio live virus vaccine	4-6 Yr 		<b>DTaP-IPV</b> 4 vaccines in 1 shot <b>Influenza</b> (1 dose Annually each Fall = 3 doses)
	<b>Total</b> <b>22</b>			<b>Total</b> <b>50 (51)</b>



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

- 11 annual Influenza vaccines
- 2 doses HPV and 2 doses of HepB in Grade 6
- Men C-ACWY in Grade 4
- Tdap (3-in-1 shot) in Grade 9.

**TOTAL Grade School & High School in 2017**  
**19 Vaccine doses in 17 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 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 2020 NF&L schedule

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

5 vaccine combination with diphtheria, tetanus, acellular pertussis, polio and Hib (Haemophilus Influenzae B) vaccines  
4 doses at 2, 4, 6 & 18 months  
• Pediacel™ or Infanrix-IPV/Hib®

**DTaP-IPV:** 4 vaccine combination with diphtheria, tetanus, reduced acellular pertussis and polio vaccines at 4-6 years  
• Infanrix™-IPV or Quadracel®

**Hepatitis B (HB):** virus vaccine 2 doses Grade 6  
• Engerix®-B or Recombivax HB®

**HPV:** Human papillomavirus vaccine 2 doses Grade 6  
• Gardasil 9™

**Influenza:** annual Flu shot, quadrivalent vaccine  
begins at 6 months with 2 doses, thereafter 1 annually  
• Flulaval® Tetra or Fluzone® Quadrivalent

**Men-C:** Meningococcal serotype C vaccine at 12 months  
• Menjugate® or NeisVac-C®

**Men C-ACYW-135:** 4 Meningococcal serotypes Grade 4  
• 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  
• Pevnar 13®

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

**Tdap:** 3 vaccine combination with reduced tetanus, diphtheria, reduced acellular pertussis Grade 10 routine booster  
• Adacel® or Boostrix®

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

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 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)

Newfoundland & Labrador 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 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

**3 DTaP-IPV-Hib**—Pediacel®      **3 Pneu C-13**—Pevnar 13®  
**3 Rotavirus**—RotaTeq®      **2 Influenza**—Flulaval® Tetra  
**1 MMRV**—Priorex Tetra™      **1 Men-C**—Menjugate®

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

Adjuvant: **Aluminum** 1500mcg X 3 doses = **4500mcg**

Excipient: 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

#### **Pevnar-13** (Pneumococcal)

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

Potential Allergens: Diphtheria CRM<sub>197</sub> 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 (in 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)

#### **Priorex Tetra** (MMRV)

Potential Allergens: Neomycin, bovine gelatin, egg protein

Residual components of chick embryo cell cultures

Other: Human fetal cell DNA fragments

Amino acids, Lactose, Mannitol, Sorbitol

#### **Menjugate** (Meningococcal)

Adjuvant: **Aluminum** 1000mcg X 1 doses = **1000mcg**

Potential Allergens: Latex, Diphtheria CRM<sub>197</sub> toxoid protein

Other: Histidine, Mannitol, Sodium chloride

Using the above vaccines in the first year of life, vaccinated babies will receive a total of **5875 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 linked above. All [Product monographs](#) are available online at [www.vaccines411.ca](http://www.vaccines411.ca) under the health professionals tab.

VCC Jan 2020