



compares Ontario Vaccine Schedules

1983		2017	
TOTAL PreSchool		TOTAL PreSchool	
22 Doses of 7 Vaccines		46 Doses of 13 Vaccines	
In 6 Injections & 4 oral doses		In 19 Injections & 2 oral doses	
AGE		AGE	
Ø			Number of Vaccine Doses: 1 Influenza Vaccine Pregnant women may be offered many other vaccines, but this is the only vaccine in the routine schedule.
DPT whooping cough vaccine 3 vaccines in 1 shot OPV oral polio live virus vaccine	Number of Vaccine Doses: 4		Number of Vaccine Doses: 7 DTaP-IPV-Hib 5 vaccines in 1 shot Pneumococcal C-13 Rotavirus (oral) live virus vaccine
DPT 3 vaccines in 1 shot OPV oral polio live virus vaccine	Number of Vaccine Doses: 4		Number of Vaccine Doses: 7 DTaP-IPV-Hib 5 vaccines in 1 shot Pneumococcal C-13 Rotavirus (oral) live virus vaccine
DPT 3 vaccines in 1 shot	Number of Vaccine Doses: 3		Number of Vaccine Doses: 7 DTaP-IPV-Hib 5 vaccines in 1 shot Influenza 2 doses 4 weeks apart
Ø			Number of Vaccine Doses: 5 MMR 3 live virus vaccines in 1 shot Pneumococcal C-13 Meningococcal C-C
MMR : 3 live virus vaccines in 1 shot	Number of Vaccine Doses: 3		Number of Vaccine Doses: 1 Varicella chickenpox live virus vaccine
DPT : 3 vaccines in 1 shot OPV : oral polio live virus vaccine	Number of Vaccine Doses: 4		Number of Vaccine Doses: 6 DTaP-IPV-Hib 5 vaccines in 1 shot Influenza (1st Annual dose)
Ø		3 Yr	1 Influenza (Annual dose in Fall)
DPT : 3 vaccines in 1 shot OPV : oral polio live virus vaccine	Number of Vaccine Doses: 4		Number of Vaccine Doses: 11 Tdap-IPV 4 vaccines in 1 shot MMRV 4 live virus vaccines in 1 shot Influenza (3 Annual doses each Fall)



By the time your child graduates from high school, they will have received an additional 11 annual Influenza vaccines, 2 doses of HPV, 2 doses of Hepatitis B, Tdap, & Meningococcal C-ACYW-135.

TOTAL Grade School & High School in 2017

17 doses of 7 Vaccines in 7 Injections

2017 GRAND TOTAL: Prenatal through Age 18
63 doses of 16 Vaccines

LEGEND

Vaccines used in the 1983 Ontario schedule

All 3 of these vaccines have since been withdrawn from the market due to safety concerns.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 Ontario 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)
Pediace^l or Infanrix-IPV/Hib[®]

Hepatitis B (HepB): virus vaccine, Engerix[®]-B Pediatric or Recombivax HB[®]

HPV: Human papillomavirus vaccine, usually Gardasil 9[™]

Influenza: annual Flu shot, quadrivalent vaccine recommended
Fluzone[®] Quadrivalent or Flulaval[®] Tetra

Men C-C: Meningococcal serotype C vaccine,
Menjugate[®], Meninjetec[™] or NeisVac-C[®]

Men C-ACYW-135: 4 Meningococcal serotypes, Menomune[®]

***MMR:** measles, mumps, rubella, MMRII[®] or Priorix[®]
3 live virus combination vaccine

***MMRV:** measles, mumps, rubella, varicella (chickenpox)
Priorix Tetra[®] or ProQuad[™]
4 live virus combination vaccine

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/cmstemplatess/nvic/pdf/live-virus-vaccines-and-vaccine-shedding.pdf) <http://www.nvic.org/cmstemplatess/nvic/pdf/live-virus-vaccines-and-vaccine-shedding.pdf>

The Immunization of School Pupils Act (ISPA) was passed in 1982. Vaccines are not mandatory under the Act. They are voluntary with exemptions available for medical, religious or conscience reasons. 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."



What's In those Vaccines?

In the first year of life, during critical phases of brain and immune system development, your baby will receive 26 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 vaccine brands.

Example Vaccines received in the first year

3 DTaP-IPV-Hib —Pediace ^l [®]	3 Pneu C-13 —Prevnar 13 [®]
2 Rotavirus —Rotarix [™]	2 Influenza —Flulaval [®] Tetra
1 MMR —MMRII [®]	1 MEN-C-C —Menjugate [®]

Pediace^l Adjuvant: Aluminum 1500mcg X 3 doses = **4500mcg**

Preservative: 2-Phenoxyethanol (PE)

Potential Allergens: Neomycin, Polymyxin B
Streptomycin

Tetanus toxoid carrier protein

Other: Bovine serum albumin Formaldehyde
Polysorbate 80 Glutaraldehyde

Prevnar-13

Adjuvant: Aluminum 1250mcg X 3 doses = **3750mcg**

Potential Allergens: Diphtheria toxoid carrier protein

Other: Polysorbate 80, Sodium chloride, Succinic acid

Rotarix Adjuvant: live vaccine, not necessary

Other: Disodium adipate, Sucrose
DNA fragments from porcine circovirus 1
contaminants from cell growth medium

Flulaval Tetra Adjuvant: none

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

Potential Allergens: Egg protein, Thimerosal

Other: Disodium hydrogen phosphate heptahydrate
Formaldehyde, Potassium chloride
Potassium dihydrogen phosphate, Sucrose
Sodium chloride, Sodium deoxycholate

MMRII Adjuvant: live vaccine, not necessary

Potential Allergens: Neomycin, Phenol red, Porcine gelatin
Residual components of chick embryo cell cultures

Other: Fetal bovine serum, Contaminants from
cell growth medium, Human diploid cells (fetal cells)
Recombinant human albumin

Monosodium L-glutamate monohydrate
Potassium phosphate dibasic & monobasic
Sodium bicarbonate, Sorbitol, Sucrose
Sodium phosphate dibasic & monobasic

Menjugate

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

Potential Allergens: Latex, Diphtheria toxoid carrier protein

Other: Disodium phosphate heptahydrate, Mannitol, Sodium chloride, Sodium dihydrogen phosphate monohydrate

In the first year of life, vaccinated babies will receive a total of 9250 micrograms (mcg) of aluminum and nearly 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 80 emulsifier can cross the blood brain barrier, ferrying any other ingredients into the brain.

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