











1983	TOTAL PreSchool 22 Vaccine doses In 6 Injections & 4 oral doses	AGE	2020	TOTAL PreSchool 47 Vaccines doses In 19 Injections & 3 oral doses
	Number Vaccines	Prenatal 	Number Vaccines	Fetal exposure: routine schedule for pregnant women Influenza Vaccine
	Ø		1	
DPT: 3 vaccines in 1 shot OPV: oral polio, live virus vaccine	4	2 Months 	7	DTaP-IPV-Hib 5 vaccines in 1 shot Pneumococcal C-13 Rotavirus (oral) live virus vaccine
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DPT: 3 vaccines in 1 shot	3	6 Months 	8	DTaP-IPV-Hib 5 vaccines in 1 shot Influenza 2 doses 4 weeks apart Rotavirus (oral) live virus vaccine
Ø		12 Months 	5	MMR 3 live virus vaccines in 1 shot Pneumococcal C-13 Meningococcal C-C
MMR: 3 live virus vaccines in 1 shot	3	15 Months 	1	Varicella chickenpox live virus vaccine
DPT: 3 vaccines in 1 shot OPV: oral polio, live virus vaccine	4	18 Months 	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	4	4-6 Yr 	11	Tdap-IPV 4 vaccines in 1 shot MMRV 4 live virus vaccines in 1 shot Influenza (1 dose Annually each Fall=3 doses)
	Total 22		Total 47	



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 2020
19 Vaccine doses in 17 Injections

2020 GRAND TOTAL: Prenatal to Age 18
66 Vaccine doses

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All 3 of these vaccines have since been withdrawn from the market due to safety concerns.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 2020 Ontario 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

- PediacelTM or Infanrix-IPV/Hib[®]

Tdap-IPV: tetanus, diphtheria, pertussis vaccine, polio

4 vaccine combination Age 4-6 yr preschool booster vaccine

- Adacel-Polio[®] or Boostrix-Polio[®]

Tdap: 3 vaccine combination with reduced diphtheria, tetanus, reduced acellular pertussis Age 14-16 yr booster

- Adacel[®] or Boostrix[®]

Hepatitis B (HepB): virus vaccine 2-doses in Grade 7

- Engerix[®]-B Pediatric or Recombivax HB[®]

HPV: Human papillomavirus vaccine 2 doses in Grade 7

- Gardasil 9TM

Influenza: the “Flu shot”, quadrivalent vaccine recommended begins at 6 months with 2 doses, thereafter 1 annually

- Fluzone[®] Quadrivalent or Flulaval[®] Tetra

Men C-C: Meningococcal serotype C vaccine, at 12 months

- Menjugate[®], MeninjetecTM or NeisVac-C[®]

Men C-ACYW-135: 4 Meningococcal serotypes, Grade 7

- Menactra[®], MenveoTM or Nimenrix[®]

***MMR:** measles, mumps, rubella—3 live virus combination at 12 months • MMRII[®] or Priorex[®]

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

- Priorex Tetra[®] or ProQuadTM

***Varicella:** chickenpox live virus vaccine

- Varivax III[®] or Varilrix[®] at 15 months

Pneu C-13: pneumococcal vaccine, 3 doses at 2, 4, & 12 months

- Prevnar 13[®]

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

- Rotarix[®] (no longer available) or RotaTeq[®]

***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>

Ontario’s **Immunization of School Pupils Act (ISPA)** mandates that all children attending public and private schools be vaccinated with all vaccines listed under [Regulation 645](#). Parents can however legally exempt their children from any or all vaccines for medical, religious or conscience reasons. The 2017 ISPA amendment stipulates that parents must attend a ‘vaccine education’ session prior to being allowed to file an exemption affidavit. Detailed [exemption information](#) is available on the Vaccine Choice Canada website under the Exemptions tab.

ONT schedule 2020 Update

What’s In those Vaccines?

In the first year of life, during critical phases of brain and immune system development, your baby will receive 27 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 —Pediacel [®]	3 Pneu C-13 —Prevnar 13 [®]
3 Rotavirus —RotaTeq [®]	2 Influenza —Flulaval [®] Tetra
1 MMR —MMRII [®]	1 MEN-C-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

Prevnar-13 (Pneumococcal)

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

Potential Allergens: Diphtheria CRM₁₉₇ 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)

MMRII (Measles, Mumps & Rubella)

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

Other: Fetal bovine serum, Contaminants from cell growth medium, Human fetal cell DNA fragments, Recombinant human albumin
Monosodium L-glutamate monohydrate
Potassium phosphate dibasic & monobasic
Sodium bicarbonate, Sorbitol, Sucrose
Sodium phosphate dibasic & monobasic

Menjugate (Meningococcal)

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

Potential Allergens: Latex, Diphtheria CRM₁₉₇ toxoid protein

Other: Histidine, Mannitol, Sodium chloride

In the first year of life, vaccinated babies will receive a total of **5875** 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 read the eye-opening product monographs linked above. All [Product monographs](#) are available online at www.vaccines411.ca under the health professionals tab.

Note: Due to space considerations, many ingredients are not necessarily listed above. For complete ingredient listings see product monographs.

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