










# compares Yukon Vaccine Schedules

| <b>1983</b> <b>TOTAL PreSchool</b><br><b>22 Vaccine doses</b><br>In 6 Injections & 4 oral doses | AGE<br>Prenatal   | <b>2020</b> <b>TOTAL PreSchool</b><br><b>55 Vaccine doses</b><br>In 21 Injections & 3 oral doses  |
|---|---|---|
| Number Vaccines<br>Ø  |                      | Number Vaccines<br>4 Fetal Exposure: routine schedule for pregnant women<br><b>Influenza Vaccine</b><br><b>Tdap Vaccine</b> 3 vaccines in 1 shot  |
| DPT: 3 vaccines in 1 shot<br>OPV: oral polio,<br>live virus vaccine<br>4                        | 2 Months<br>         | 9<br><b>DTaP-HB-IPV-Hib</b> 6 vaccines in 1 shot<br><b>Meningococcal C-C</b><br><b>Pneumococcal C-13</b><br><b>Rotavirus (oral)</b> live virus vaccine  |
| DPT: 3 vaccines in 1 shot<br>OPV: oral polio<br>live virus vaccine<br>4                         | 4 Months<br>         | 8<br><b>DTaP-HB-IPV-Hib</b> 6 vaccines in 1 shot<br><b>Pneumococcal C-13</b><br><b>Rotavirus (oral)</b> live virus vaccine  |
| DPT: 3 vaccines in 1 shot<br>3  | 6 Months<br>         | 10<br><b>DTaP-HB-IPV-Hib</b> 6 vaccines in 1 shot<br><b>Pneumococcal C-13</b><br><b>Rotavirus (oral)</b> live virus vaccine<br><b>Influenza</b> 2 doses 4 weeks apart   |
| Ø<br>MMR: 3 live virus vaccines<br>in 1 shot at <b>15 months</b><br>3                           | 12 Months<br>      | 6<br><b>MMR</b> 3 live virus vaccines in 1 shot<br><b>Varicella</b> chickenpox live virus vaccine<br><b>Meningococcal C-C</b><br><b>Pneumococcal C-13</b>   |
| DPT: 3 vaccines in 1 shot<br>OPV: oral polio<br>live virus vaccine<br>4                         | 18 Months<br>      | 6<br><b>DTaP-IPV-Hib</b> 5 vaccines in 1 shot<br><b>Influenza</b> (1st Annual dose)   |
| Ø<br>DPT: 3 vaccines in 1 shot<br>OPV: oral polio<br>live virus vaccine<br>4<br><b>Total 22</b> | 3 Yr<br>4-6 Yr<br> | 1<br><b>Influenza</b> (Annual dose in Fall)<br>11<br><b>Tdap-IPV</b> 4 vaccines in 1 shot<br><b>MMRV</b> 4 live virus vaccines in 1 shot<br><b>Influenza</b> (1 dose Annually each Fall=3 doses)<br><b>Total 55</b> |



By the time your child graduates from high school, they will have received

- an additional 11 annual Influenza vaccines,
- 2 doses HPV Grade 6 (Some children may receive a catch-up MMR vaccine)
- Tdap (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**  
**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 Yukon 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 Yukon 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)  
*3 doses at 2, 4 & 6 months* • Infanrix hexa®

**DTaP-IPV-Hib** 5 vaccine combination with diphtheria, tetanus, acellular pertussis, inactivated polio & Hib  
*1 dose at 18 months* • Pediacel™

**HPV** Human papillomavirus vaccine, quad- or nonavalent  
• Gardasil™ or Gardasil 9™ *Grade 6*

**Influenza** Annual Flu shot, quadrivalent vaccine  
*2 doses at 6 months and one annually thereafter*  
• Flulaval®/Tetra or Fluzone Quad

**Men C-C:** Meningococcal serotype C vaccine  
*2 doses at 2 & 6 months*

• Menjugate® or NeisVac-C®

**Men C-ACYW-135:** 4 Meningococcal serotypes *Grade 9*  
• Menveo® or Menactra®

\***MMR:** measles, mumps, rubella, 3 combination **live virus** vaccine *At 12 months*  
• MMRII® or Priorex®

\***MMRV:** measles, mumps, rubella, & varicella (chickenpox) 4 combination **live virus** vaccine *At 4-6 years old*  
• Priorex Tetra® or ProQuad™

**Pneu C-13:** pneumococcal vaccine *4 doses at 2, 4, 6 & 12 months*  
• Prevnar 13®

\***Rotavirus:** **live virus** oral vaccine, *3 doses 2, 4 & 6 months*  
RotaTeq®

**Tdap-IPV:** tetanus, diphtheria, acellular pertussis, polio 4 vaccine combination *age 4-6 preschool*  
• Adacel-Polio® or Boostrix-Polio®

**Tdap:** tetanus, diphtheria, acellular pertussis, polio 4 vaccine combination *Grade 9 booster*  
• Adacel® or Boostrix®

\***Varicella:** chickenpox **live virus** vaccine *at 12 months*  
• Varilrix® or Varivax® III

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

The Yukon Immunization Program is offered through community health centres and school programs. Prior to school based clinics, the Community Health Centre will send out **consent forms** for Grade **6** & **9**. For complete vaccine information and ingredients, see the *Immunization Program Manual: [Section 8-Biological Products](#)*.

## What's In those Vaccines?

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

### Example Vaccines received in the first year

**3 DTaP-HB-IPV-Hib**—Infanrix hexa®

**2 MEN-C-C**—NeisVac-C®

**3 Rotavirus**—Rotarix™

**1 MMR**—MMRII®

**4 Pneu C-13**—Prevnar 13®

**2 Influenza**—Flulaval®/Tetra

**1 Varicella**—Varivax® III

### 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

### Neisvac-C (Meningococcal)

Adjuvant: Aluminum 500mcg X 2 dose = **1000mcg**

Potential Allergens: Tetanus toxoid carrier protein

Other: Sodium chloride

### Prevnar-13 (Pneumococcal)

Adjuvant: Aluminum 125mcg X 4 doses = **500mcg**

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

### 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® X-100, Sodium phosphate-buffered, isotonic sodium chloride solution

### 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

### Varivax III (Chickenpox)

Potential allergens: Porcine gelatin, fetal bovine serum, neomycin

Other: Human fetal cell DNA fragments, monosodium glutamate

Using the above vaccines, in the first year of life vaccinated babies will receive a total of **3960 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 20 & 80 emulsifier can cross the blood brain barrier, ferrying any other ingredients into the brain.

Ask your clinic 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.