


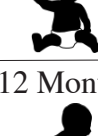

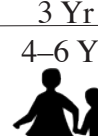



# compares Saskatchewan Vaccine Schedules

<b>1983 TOTAL PreSchool</b> 22 Vaccine doses In 6 Injections & 4 oral doses		AGE	<b>2020 TOTAL PreSchool</b> 50 (52)* Vaccine doses In 18 (20)* Injections & 3 oral doses * Aboriginal babies: 2 doses HepA	
Ø	Number Vaccines	Prenatal 	Number Vaccines	Fetal Exposure: routine schedule for pregnant women <b>Influenza Vaccine</b> <b>Tdap Vaccine</b> 3 vaccines in 1 shot
<b>DPT:</b> 3 vaccines in 1 shot <b>OPV:</b> oral polio, live virus vaccine	4	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	4 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	3	6 Months 	8	<b>DTaP-IPV-Hib</b> 5 vaccines in 1 shot <b>Influenza</b> 2 doses 4 weeks apart <b>Rotavirus (oral)</b> live virus vaccine
Ø		12 Months 	6 (7)*	<b>MMRV</b> 4 live virus vaccines in 1 shot <b>Meningococcal C-C</b> <b>Pneumococcal C-13</b> <b>HepA</b> *(Aboriginal babies on reserves and in some rural areas)
<b>MMR:</b> 3 live virus vaccines in 1 shot at <b>15 months</b>	3	18 Months 	10 (11)*	<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>HepA</b> *(Aboriginal babies on reserves, rural areas)
<b>DPT:</b> 3 vaccines in 1 shot <b>OPV:</b> oral polio, live virus vaccine	4	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	4-6 Yr 	7	<b>Tdap-IPV</b> 4 vaccines in 1 shot <b>Influenza</b> (1 dose Annually each Fall = 3 doses)
	<b>Total</b> 22		<b>Total</b> 50 (52)	



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

- 11 annual Influenza vaccines, and
- 2 doses HPV, 2 doses Hep B and Men C-ACYW-135 in Grade 6,
- Tdap (3-in-1 shot) in Grade 8.

**TOTAL Grade School & High School in 2020**  
19 Vaccine doses in 17 Injections

**2020 GRAND TOTAL: Prenatal to Age 18**  
**69 to 71 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 Saskatchewan 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 Saskatchewan schedule

**DTaP-IPV-Hib:** 5 vaccine combination with diphtheria, tetanus, acellular pertussis, polio and Hib vaccines  
*4 doses 2, 4, 6 and 18 months*  
• Pediacel<sup>TM</sup> or Infanrix-IPV/Hib<sup>®</sup>

**Tdap-IPV:** 4 vaccine combination with tetanus, reduced diphtheria & acellular pertussis, and polio vaccines,  
*1 booster dose 4-6 years*  
• Infanrix<sup>TM</sup>-IPV or Quadracel<sup>®</sup>

**Tdap:** 3 vaccine combination with reduced diphtheria, tetanus, reduced acellular pertussis, *Grade 8 booster*  
• Adacel<sup>®</sup> or Boostrix<sup>®</sup>

**Hepatitis A (HA)** virus vaccine *Aboriginal only 12 & 18 months*  
• Avaxim<sup>®</sup> Pediatric, Havrix<sup>®</sup> 720 Jr. or Vaqta<sup>®</sup>

**Hepatitis B (HB):** virus vaccine, *2 doses Grade 6*  
• Engerix<sup>®</sup>-B or Recombivax HB<sup>®</sup>

**HPV:** Human papillomavirus vaccine, *2 doses Grade 6*  
• Gardasil 9<sup>TM</sup>

**Influenza:** annual Flu shot, quadrivalent vaccine  
*2 doses at 6 months, annually thereafter*  
• Fluzone<sup>®</sup> Quadrivalent or Flulaval<sup>®</sup> Tetra

**Men-C:** Meningococcal serotype C vaccine *12 months*  
• Menjugate<sup>®</sup> or NeisVac-C<sup>®</sup>

**Men C-ACYW-135:** 4 Meningococcal serotypes, *Grade 6*  
• Menactra<sup>®</sup>, Menveo<sup>®</sup> or Nimenrix<sup>®</sup>

\***MMRV:** 4 live virus combination, measles, mumps, rubella, varicella (chickenpox) *2 doses 12 and 18 months*  
• Priorex Tetra<sup>®</sup> or ProQuad<sup>TM</sup>

**Pneu C-13:** pneumococcal vaccine, *3 doses 2, 4 & 12 months*  
• Prevnar 13<sup>®</sup>

\***Rotavirus:** live oral vaccine, *3 doses 2, 4 & 6 months*  
• RotaTeq<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](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>

## 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<sup>®</sup>      **2 Men-C**—Menjugate<sup>®</sup>  
**3 Pneu C-13**—Prevnar 13<sup>®</sup>      **3 RotaTeq**—Rotarix<sup>TM</sup>  
**2 Influenza**—Fluzone<sup>®</sup>Quad      **1 MMRV**—ProQuad<sup>TM</sup>

#### **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

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

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

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

Other: Histidine, Mannitol, Sodium chloride

#### **Prevnar-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

#### **Fluzone Quad** (Influenza)

Preservative: **Multidose vials only, not in single prefilled syringes**

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

Potential Allergens: Egg protein, Thimerosal

Other: Formaldehyde, Triton<sup>®</sup> X-100, Sodium phosphate-buffered, isotonic sodium chloride solution

#### **ProQuad** (MMRV)

Potential Allergens: Neomycin, animal gelatin, Residual components of chick embryo cell cultures

Other: Human fetal cell DNA fragments, Human albumin, Urea, Monosodium L-glutamate, Sucrose, Sorbitol

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 or 80 and 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.

Immunization programs for all Saskatchewan children (ages 2 months–17 years) are delivered by public health nurses at regional health clinics or in schools.

**Parental Consent Forms**, information on **Mature Minor Consent** for 13–17 year olds (found in the Grade 8 package), vaccine fact sheets, schedules, childhood vaccine coverage reports, medical record privacy information are found at the [Immunization Services](#) web page.