

Seasonal Influenza Vaccine Quick Reference Guide 2022-2023

Publicly funded seasonal influenza vaccines available in Manitoba:

Quadrivalent IIV and quadrivalent IIV high dose influenza vaccines contain the following strains:

A/Victoria/2570/2019 (H1N1) pdm09-like virus	A/Darwin/9/2021 (H3N2)-like virus	B/Austria/1359417/2021 (B/Victoria lineage)-like virus	B/Phuket/3073/2013 (B/Yamagata lineage like virus
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Product Name/ Manufacturer	Fluzone® Quadrivalent Sanofi Pasteur	Flulaval® Tetra GlaxoSmithKline	Afluria Tetra Seqirus	Fluzone® High Dose Sanofi Pasteur
Manitoba Eligibility Criteria	Universal <i>(*International students and out-of-province visitors continue to be eligible to receive the flu vaccine free-of-charge regardless of third-party insurance and/or MHSAL coverage).</i>		Universal (for those 5 years and older)	65 years of age and older
Vaccine preparations	IIV4-SD (Inactivated influenza vaccine quadrivalent-standard dose) 15 µg HA/ 0.5ml dose		IIV4-HD (Inactivated influenza vaccine quadrivalent-high dose) 60 µg HA/ 0.7 ml dose	
Route of Administration	IM			
Authorized age for use	≥ 6 months		≥ 5 years	≥ 65 years
Clinically relevant non-medicinal ingredients	<ul style="list-style-type: none"> • Egg Protein • Formaldehyde • Triton x-100 • Sucrose 	<ul style="list-style-type: none"> • Egg protein • α- tocopheryl hydrogen succinate • Polysorbate 80 • Formaldehyde • Ethanol • Sodium deoxycholate • Phosphate buffered saline • Sucrose 	<ul style="list-style-type: none"> • Egg Protein • Calcium chloride • Dibasic sodium phosphate • Monobasic sodium phosphate • Monobasic potassium phosphate • Potassium chloride • Sodium chloride • Sodium Taurodeoxycholate • Beta-propiolactone • Hydrocortisone 	<ul style="list-style-type: none"> • Egg Protein • Formaldehyde • Triton x-100 • Sodium phosphate-buffered Isotonic • Sodium chloride solution
Thimerosal	Yes -multi-dose vial	Yes- multi dose vial only	Yes- multi dose vial	No
	No -single dose pre-filled syringe		No -single dose pre-filled syringe	
Antibiotics	No	No	Neomycin & Polymixin B	No
Latex	None			

Format available	<ul style="list-style-type: none"> 10 dose vial (5 ml) Single dose pre-filled syringe (package of 10) 	10 dose vial (5 ml)	<ul style="list-style-type: none"> 10 dose vial (5 ml) Single dose pre-filled syringe (package of 10) 	Single dose pre-filled syringe
Post puncture shelf life for multi-dose vial	Until expiry date	28 days	Until expiry date	N/A
Use in pregnancy	Recommended			N/A
Storage	Store in a refrigerator (2°C – 8°C) DO NOT FREEZE Protect from light			

Dosage:

Age Group	IIV4-SD or IIV3-HD			Number of doses required
	Dose	Route/Site	Recommended Needle Gauge and Length*	
6 ≤ 12 months	0.5 ml	IM Vastus lateralis	22-25 gauge 7/8"(2.2 cm) - 1"(2.5 cm) long	1 or 2**
>12-23 months				1 or 2**
2-8 years				1 or 2**
9-17 years		IM Deltoid	22-25 gauge 1"(2.5 cm) - 1 ½" (3.8 cm) long	1
18-59 years				1
60-64 years				1
≥ 65 years				1

For IM injections, the needle must be long enough to reach muscle but not involve underlying nerves, blood vessels, or bone; insert the needle as far as possible into the muscle.

** Children 6 months to less than 9 years of age who have never received the seasonal influenza vaccine require two doses of influenza vaccine, with a minimum interval of four weeks between doses. Eligible children <9 years of age who have properly received one or more doses of seasonal influenza vaccine in the past should receive one dose per influenza vaccination season thereafter.

***Note:** Egg allergic individuals may be vaccinated using any of the seasonal influenza vaccines available in MB, without prior influenza vaccine skin test and with the full dose, irrespective of a past severe reaction to egg, and without any extraordinary precautions, but ensuring that immunizers be prepared with the necessary equipment, knowledge and skills to respond to a vaccine emergency.

Pneumococcal Polysaccharide (Pneu-P-23) Vaccine:

Provided free of charge to individuals that meet the [Manitoba Health Eligibility Criteria](#). Refer to *Manitoba Health [Pneumococcal Polysaccharide Vaccine fact sheet](#)*.

Vaccine Components:

Name of Vaccine	Potential Allergens	Comments	Supplied
Pneumovax 23® Merck Canada	Sodium chloride, Phenol	Does not contain latex	Single dose vial

Dosage:

Age	Dose	# of doses	Route	Needle Gauge/ Length
2 years or older	0.5ml	* Typically only 1 dose is necessary. * A second dose may be recommended for those at highest risk. This should be assessed by their primary health care provider.	IM (preferred route)	1"-1 ½" 22-25G
			SQ	5/8" 25 G

Sources:

[NACI statement on Seasonal Influenza vaccine 2022-2023](#)

[Fluzone Quadrivalent Sanofi Pasteur Canada product monograph](#)

[Afluria Tetra Quadrivalent Seqirus Canada product monograph](#)

[Flulaval Tetra Quadrivalent GlaxoSmithKline Canada product monograph](#)

[Fluzone HD Quadrivalent Sanofi Pasteur Canada product monograph](#)

[Pneumovax 23 Merck Canada product monograph](#)