

Vaccine Clinic Resource for Immunizers	
Title:	COVID-19, Influenza and Pneumococcal Vaccine Quick Reference Guide 2024/25 <i>Disclaimer: this Quick Reference Guide is not intended to replace other product specific vaccine references. The document is intended as a quick reference for frequently referred to information. Please refer to the product monographs and other resources online for all current and complete information.</i>
PHIMS Data Entry:	Select COVID19-Pfizer Comirnaty or COVID19-Moderna Spikevax from the PHIMS Agent list to record vaccine administration with the updated KP.2 COVID-19 formulations
Formulations:	COVID-19: mRNA KP.2 Strain Monovalent Vaccines Flu: IIV4-SD (Inactivated Influenza Vaccine Quadrivalent- Standard dose) IIV4-HD (Inactivated Influenza Vaccine Quadrivalent- High dose) Pneumo: Pneumococcal 20-Valent Conjugate (Pneu-C-20) Vaccine
MB's 2024/25 Flu Vaccines Based on WHO's Recommended Compositions:	A/Victoria/4897/2022 (H1N1)pdm09-like virus; A/Thailand/8/2022 (H3N2)-like virus; and B/Austria/1359417/2021 (B/Victoria lineage)-like virus B/Phuket/3073/2013 (B/Yamagata lineage)-like virus (<i>since quadrivalent vaccines are still in use in MB</i>)
Product Monographs:	manitoba.ca/respiratoryviruses/resources-hcp.html#mono
Eligibility Criteria:	COVID-19: www.gov.mb.ca/covid19/index.html Flu: www.gov.mb.ca/health/flu/index.html Pneumo: www.gov.mb.ca/health/publichealth/diseases/pneumococcal.html
Fact Sheets:	manitoba.ca/respiratoryviruses/resources-public.html
Canadian Immunization Guide:	COVID-19: www.canada.ca/en/public-health/services/publications/healthy-living/canadian-immunization-guide-part-4-active-vaccines/page-26-covid-19-vaccine.html Influenza: www.canada.ca/en/public-health/services/publications/healthy-living/canadian-immunization-guide-part-4-active-vaccines/page-10-influenza-vaccine.html#a6 Pneumo: www.canada.ca/en/public-health/services/publications/healthy-living/canadian-immunization-guide-part-4-active-vaccines/page-16-pneumococcal-vaccine.html

COVID-19	mRNA Vaccine SPIKEVAX™ Moderna KP.2 Variant: 6 months of age and older						
Presentation	Storage & Handling	Administration				Potential Allergens	
Royal Blue cap Coral Blue label Supplied: 2.5 mL multidose vial Concentration: 0.1 mg/mL Does NOT require dilution. Number of doses per vial: 10 doses of 0.25mL per vial OR 5 doses of 0.5mL per vial Inspect vials: White/off-white dispersion and may contain white or translucent product-related particulates. If solution contains foreign particulates or discoloration, do not administer. For additional info: modernacovid19global.com/en-CA	Thaw time: <u>2° to 8°C (Refrigerator):</u> ➤ 2 hours <i>After thawing, let vial stand at room temperature for 15 minutes before administering.</i> <u>15° to 25° C (Room temperature):</u> ➤ 45 min Do not refreeze. Storage: ➤ Vials can be stored refrigerated between 2° to 8°C (36° to 46°F) for up to 50 days prior to first use. Note: Day 1 is the day-to-fridge (aka “pick date”). Day 2 is the following day. ➤ Unpunctured vials may be stored between 8° to 25°C (46° to 77°F) for up to 12 hours. Discard time: ➤ 24 hours after first dose has been withdrawn if stored in refrigerator. ➤ 12 hours after first dose has been withdrawn if stored at room temperature. <i>Product should be marked with applicable expiry dates based on time in refrigerator and time after puncture to avoid administration errors.</i> <i>After puncturing, you have a maximum of 24 hours (continuous, not cumulative) to keep it refrigerated, but the cumulative time outside the fridge must not exceed 12 hours. Once either of these limits are reached, the product should be discarded.</i> Handling: Swirl the vial gently after thawing and between each withdrawal. Do not shake.	Age Range	COVID-19 Vaccination History	Schedule	Dose Volume	Product is latex and preservative free. Potential allergens: ➤ Polyethylene glycol (PEG), ➤ Tromethamine (trometamol or Tris) <i>Individuals who have a known allergy to Tromethamine (trometamol or Tris), should not be immunized with COVID-19 vaccines containing Tromethamine (trometamol or Tris).</i> <i>Individuals who report an allergy to contrast material (CT dye), including gadolinium, can be immunized with vaccines containing Tromethamine (trometamol or Tris). They should be observed for 30 minutes post immunization.</i>	
		6 months-4 years	Previously vaccinated	1 dose	0.25ml		
			Not previously vaccinated	2-dose series at least 4 weeks apart			
		5-11 years	Previously vaccinated	1 dose	0.25ml		
			Not previously vaccinated	1 dose			
		12 years and older	Previously vaccinated	1 dose	0.5ml		
			Not previously vaccinated	1 dose			
		<i>The recommended <u>minimum</u> interval is <u>at least</u> 6 months, but a dose of the updated formulation may be administered if it has been at least 3 months from any previous COVID-19 vaccine formulation</i> Individuals six months of age and older who are <u>moderately to severely immunocompromised and who were not previously immunized</u>, are eligible to receive <u>3 doses</u> of COVID-19 vaccine. The recommended interval between doses is 4-8 weeks. Health care providers may recommend a different immunization schedule based on a review of medical history and individual circumstances. A prescription is required for the additional doses. Route: Intramuscular (IM) ➤ 6m to less than 12m of age: IM Anterolateral thigh ➤ 12m and older: IM Deltoid Recommended needle gauge and length: 22-25G 1”-1 ½ “ <i>Clinical judgement should be used when selecting needle length for IM injections. Consider client’s weight, age, and muscle mass.</i> PHIMS DATA ENTRY: Select COVID19-Moderna Spikevax from the PHIMS Agent list to record vaccine administration with the updated KP.2 formulation. When administering a half-dose of the vaccine to children, manually adjust the dosage in PHIMS from 0.5mL to 0.25mL.					

COVID-19 mRNA Vaccine Comirnaty™ Pfizer KP.2: 12 years of age and older			
Presentation	Storage & Handling	Administration	Potential Allergens
Gray cap Gray label Supplied: 2.25 mL multidose vial Does NOT require dilution. Number of doses per vial: 6 doses per vial 30 mcg/0.3mL Inspect vials: The thawed suspension may contain white to off-white opaque amorphous particles. Do not administer if vaccine is discoloured or contains particulate matter. <i>Low dead-volume syringes and/or needles can be used to extract 6 doses from a single vial. If standard syringes and needles are used, there may not be sufficient volume to extract a 6th dose from a single vial. If the amount of vaccine remaining in the vial cannot provide a full dose of 0.3 mL, discard the vial and any excess volume. Do not pool excess vaccine from multiple vials.</i>	Thaw time: <u>2° to 8°C (Refrigerator):</u> ➤ 6 hours <u>15° to 25° C (Room temperature):</u> ➤ 30 min Storage: ➤ Vials can be stored refrigerated between 2° to 8°C (36° to 46°F) for up to 10 weeks prior to first use. Note: Day 1 is the day-to-fridge (aka “pick date”). Day 2 is the following day. ➤ Vials may be stored at room temperature between 8° to 25°C (46° to 77°F) for up to 12 hours prior to use. Discard time: 12 hours at room or refrigerated temperature after first puncture. Do not refreeze. <i>Product should be marked with applicable expiry dates based on time in refrigerator and time after puncture to avoid administration errors.</i> Handling: Allow the thawed vial to come to room temperature. When at room temperature and between each withdrawal, mix by inverting vaccine vial gently 10 times. <u>Do not shake.</u>	Dose: 0.3mL Route: Intramuscular (IM) Deltoid Schedule: 1 dose <i>The recommended <u>minimum</u> interval is <u>at least</u> 6 months, but a dose of the updated formulation may be administered if it has been at least 3 months from any previous COVID-19 vaccine formulation</i> Individuals six months of age and older who are <u>moderately to severely immunocompromised and who were not previously immunized</u>, are eligible to receive <u>3 doses</u> of COVID-19 vaccine. The recommended interval between doses is 4-8 weeks. Health care providers may recommend a different immunization schedule based on a review of medical history and individual circumstances. A prescription is required for the additional doses. Recommended needle gauge and length: 22-25G 1”-1 ½ “ <i>Clinical judgement should be used when selecting needle length for IM injections. Consider client’s weight, age, and muscle mass.</i> PHIMS DATA ENTRY: Select COVID19-Pfizer Comirnaty from the PHIMS Agent list to record vaccine administration with the updated KP.2 formulation.	Product is latex and preservative free. Potential allergens: ➤ Polyethylene glycol (PEG), ➤ Tromethamine (trometamol or Tris) <i>Individuals who have a known allergy to Tromethamine (trometamol or Tris), should not be immunized with COVID-19 vaccines containing Tromethamine (trometamol or Tris).</i> <i>Individuals who report an allergy to contrast material (CT dye), including gadolinium, can be immunized with vaccines containing Tromethamine (trometamol or Tris). They should be observed for 30 minutes post immunization.</i>

Influenza		IIV4-SD Vaccine Fluzone® Quadrivalent <i>Sanofi Pasteur Limited</i> : 6 months of age and older			
Presentation		Storage and Handling	Administration		Potential Allergens
Supplied: 0.5ml single dose prefilled syringes (package of 10) OR 5 ml multidose vial (10 doses) Shake well to uniformly distribute the suspension and inspect visually before withdrawing each dose. After shaking well, solution is clear to slightly opalescent in colour. There should NOT be any particulate matter and/or discolouration- if these exist, do not administer.		Storage: 2 to 8 degrees C° Do not freeze <i>Discard product if exposed to freezing</i> Once punctured, the multi-dose vial can be used until expiry date. Unpunctured vial is stable until expiry date. A maximum of 10 doses can be withdrawn from a multidose vial Protect from light	6 months to 8 years of age: Dose: 0.5ml dose Route: ➤ 6m to less than 12m of age: IM Vastus lateralis ➤ 12m and older: IM Deltoid Schedule: 1 or 2 doses <i>Children 6m to 8 years of age who have not previously been vaccinated against influenza should receive a second dose at least 4 weeks later.</i> Recommended Needle Gauge and Length: 22-25G 5/8"-1"	9 years of age and older: Dose: 0.5ml dose Route: IM Deltoid Schedule: 1 dose Recommended Needle Gauge and Length: 22-25G 1"-1 ½"	• Egg proteins • Formaldehyde • Sodium phosphate- buffered • Isotonic sodium chloride • Triton® X-100 • Thimerosal (in the multidose vial only) LATEX FREE
Influenza		IIV4-HD Vaccine Fluzone® High-Dose Quadrivalent <i>Sanofi Pasteur Limited</i> : 65 years of age and older			
Presentation		Storage and Handling	Administration		Potential Allergens
Supplied: 0.7ml single dose prefilled syringes (package of 5) Shake well to uniformly distribute the suspension and inspect visually before administering each dose. After shaking the syringe, the liquid should be clear and slightly opalescent in color. Do not use if extraneous particulate matter and/or discoloration is observed.		Storage: 2 to 8 degrees C° Do not freeze <i>Discard product if exposed to freezing</i> Do not use after the expiration date shown on the label Protect from light	Dose: 0.7ml dose Route: IM Deltoid Schedule: 1 dose Recommended Needle Gauge and Length: 22-25G 1"-1 ½"		• Triton® X-100 • Sodium phosphate-buffered isotonic sodium chloride solution Trace amounts of: • Egg Protein • Formaldehyde LATEX FREE

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.

Pneumo	Pneumococcal Conjugate Vaccine Pneu-C-20 (Prevnar®20) Pfizer: 65 years of age and older and those at high risk of IPD who meet the Manitoba Health Eligibility Criteria		
Presentation & Recommendations	Storage and Handling	Administration	Potential Allergens
Supplied: 0.5ml single dose prefilled syringes (package of 10) A white deposit and clear supernatant may be observed in the pre-filled syringe containing the suspension. Shake vigorously until the contents of the syringe are a homogeneous white suspension. Do not use the vaccine if it cannot be re-suspended. Visually inspect the vaccine for large particulate matter and discoloration prior to administration. Do not use if large particulate matter or discoloration is found.	Storage: 2 to 8 degrees C° Do not freeze <i>Discard if vaccine has been frozen.</i> Do not use after the expiration date shown on the label Store syringes in the refrigerator horizontally (laying flat on shelf) to minimise the re-dispersion time. Use as soon as possible after being removed from refrigeration. <i>Vaccine can be administered provided total (cumulative multiple excursions) time out of refrigeration (at temperatures between 8°C and 25°C) does not exceed 96 hours.</i>	Dose: 0.5ml Route: ➤ 2m to less than 12m of age: IM Anterolateral thigh ➤ 12m and older: IM Deltoid Schedule: 1 dose <i>Additional doses may be recommended for those at highest risk. This should be assessed by the health care provider.</i> Recommended Needle Gauge and Length: IM: 22-25G 1"-1 ½" (5/8"-1" for infants & children)	• Diphtheria toxoid • Aluminum • Phosphate • Polysorbate 80 • Sodium chloride • Succinic acid LATEX FREE