



Management of COVID-19 Vaccine Administration Errors and Deviations May 31, 2021

This table provides guidance and recommendations for immunization providers when immunization errors/deviations have occurred involving COVID-19 vaccine. These recommendations are applicable to Alberta and may differ from other jurisdictions. Immunization providers should follow their regulatory/employer guidance for reporting vaccine administration errors.

This policy is evergreen and will be updated as new information becomes available.

Туре	Administration Error/Deviations	Consideration for Validity of Dose	Interim Recommended Action
Site/route	Incorrect site (i.e., site other than the deltoid muscle [preferred site] or anterolateral thigh [alternate site])	 Consider this a <u>valid</u> dose if given in an IM site. Consider this an <u>invalid</u> dose if given in a <u>non-IM</u> site. 	If invalid, repeat dose. Recommendation for spacing: Repeat same day, if same day not possible, then at least minimum spacing from invalid dose: Pfizer - 19 days. Moderna - 21 days. AstraZeneca - 28 days.
	Incorrect route (e.g., subcutaneous)	Consider this an invalid dose.	Repeat dose. Recommendation for spacing: Repeat same day, if same day not possible, then at least minimum spacing from invalid dose: Pfizer - 19 days. Moderna - 21 days. AstraZeneca - 28 days.
Age	Use at a younger age than eligible as per the Alberta Immunization Policy.	 Pfizer-BioNTech vaccine: Consider this a <u>valid</u> dose. 	Give the second dose at the recommended interval when client eligible as per the Alberta Immunization Policy.
		Moderna vaccine: Consider this a valid dose.	Moderna vaccine: 12 to 15 years of age - complete second dose with Pfizer vaccine at the recommended interval. 16 to 17 years of age - offer second dose of Moderna vaccine at the recommended interval. Less than 12 years of age - complete second dose with Pfizer vaccine at the recommended interval when client eligible as per the Alberta Immunization Policy.





Туре	Administration	Consideration for Validity	Interim Recommended
,	Error/Deviations	of Dose	Action
		AstraZeneca/COVISHIELD	AstraZeneca/COVISHIELD
		vaccine:	vaccine:
		Consider this a <u>valid</u> dose.	 12 to 17 years of age - complete second dose with Pfizer vaccine at the recommended interval. Less than 12 years of age - complete second dose with Pfizer vaccine at the recommended interval when client eligible as per the Alberta Immunization Policy.
		Janssen vaccine:	
		 Consider this a <u>valid</u> dose. 	n/a
		The vaccine series is	
		considered complete.	
Co-	COVID-19 vaccine dose	Both the COVID-19 and the	n/a
administration	administered on the same day, or within 28 days before or within 14 days after another vaccine (i.e., a non-COVID-19 vaccine)	other vaccine are considered valid.	
Intervals	Second dose of COVID-19	Second dose considered	If invalid, repeat dose.
Missa	vaccine administered at less than the minimal interval (including on the same day)	 invalid if administered: Pfizer-BioNTech - less than 19 days after the first dose. Moderna - less than 21 days after the first dose. AstraZeneca - less than 28 days after first dose. Second dose considered valid if administered: Pfizer - 19 or more days after the first dose. Moderna - 21 days or more after the first dose. AstraZeneca - 28 days or more after the first dose. 	Repeat using at least minimum spacing interval from invalid dose: Pfizer - 19 days. Moderna - 21 days. AstraZeneca - 28 days.
Mixed	A different vaccine used for the	Vaccines series with the	n/a
vaccines for	first and second dose	same platform (mRNA) are	
first and second doses		considered valid and complete e.g. dose 1 Pfizer and dose 2 Moderna. Vaccine series completed with different platforms (mRNA and viral vector) are considered valid and complete. e.g. dose 1 AstraZeneca and dose 2 Pfizer.	





Туре	Administration Error/Deviations	Consideration for Validity of Dose	Interim Recommended Action
Mixed vaccine with less than	A different vaccine used for the first and second dose with less	Consider the first dose valid.	If invalid, repeat dose.
minimal intervals	than minimal intervals	Consider second dose valid if administered at minimum interval associated with the first dose.	Repeat using at least minimum spacing interval from invalid dose based on the vaccine being given for dose 2. Pfizer - 19 days.
		Consider second dose invalid if administered at less than the minimum interval associated with first dose.	Moderna - 21 days.AstraZeneca - 28 days.
Dosage (see Diluent section below for specific information regarding Pfizer- BioNTech and	Higher-than-authorized dose volume administered	Consider this dose <u>valid</u> .	n/a ** Inform the recipient of the potential for local and systemic adverse events. Encourage self-monitoring and reporting. ACTIVE daily surveillance to monitor for adverse events is not required.
the diluent)	Lower-than-authorized dose volume administered (e.g. leaked out, equipment failure, recipient pulled away)	Any partial dose – considered invalid.	Repeat dose. Recommendation for spacing; Repeat same day, if same day not possible, then at least minimum spacing from invalid dose: Pfizer - 19 days. Moderna - 21 days AstraZeneca - 28 d.ays.
Storage and Handling	Dose administered after improper storage and handling (e.g., temperature excursion)	Contact the manufacturer for guidance: If vaccine determined to be not viable by the manufacturer – dose is considered invalid. If vaccine determined to be viable by the manufacturer – dose is considered valid.	For invalid doses – Repeat dose same day or as soon as possible.
	Dose administered past the expiration/beyond use date	Contact the manufacturer for guidance. If vaccine determined to be not viable by the manufacturer – dose is considered invalid. If vaccine determined to be viable by the manufacturer – dose is considered valid.	For invalid doses – Repeat dose same day or as soon as possible.
Diluent (Pfizer- BioNTech only)	Incorrect diluent type (e.g., sterile water, bacteriostatic 0.9% NS)	Contact the manufacturer for guidance. If vaccine determined to be not viable by the manufacturer – dose is considered invalid. If vaccine determined to be viable by the manufacturer – dose is considered valid.	For invalid doses – Repeat dose same day or as soon as possible.





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		If the manufacturer cannot/does not provide information on vaccine viability – consider the dose invalid.	
	ONLY diluent administered (i.e., sterile 0.9% sodium chloride)	No vaccine administered.	Provide valid dose as soon as possible.
	More than the recommended amount of diluent used for reconstitution (more than 2.0 mls of diluent)	This is a partial dose – considered invalid.	Repeat dose. Recommendation for spacing: Repeat same day, if same day not possible then at least minimum spacing from invalid dose: Pfizer - 19 days. Moderna - 21 days. AstraZeneca - 28 days.
	No diluent or less than the recommended amount of diluent used for reconstitution, resulting in higher than the authorized dose	Consider this dose <u>valid</u> .	n/a ** Inform the recipient of the potential for local and systemic adverse events. Encourage self-monitoring and reporting. ACTIVE daily surveillance to monitor for adverse events is not required.
Vaccines received in other countries	Individual has received one dose of COVID-19 vaccine outside of Canada or the U.S	Use WHO list - https://extranet.who.int/pqweb/ sites/default/files/documents/St atus_COVID_VAX_18May2021	If valid dose complete series with same vaccine or same platform.
Countries		.pdf. Check status of assessment If Finalized – consider dose valid.	If the same vaccine or same platform is not available – restart series.
		If not Finalized OR vaccine type unknown– consider dose invalid.	If invalid - restart series.
	Individual has received two doses of COVID-19 vaccine outside of Canada or the U.S.	Use WHO list - https://extranet.who.int/pqweb/ sites/default/files/documents/St	Valid series – no further doses recommended.
		atus COVID VAX 18May2021 .pdf. Check status of assessment If Finalized – consider valid series.	Invalid series – re-immunize.
		If not Finalized OR vaccine type unknown— consider invalid series.	

Adapted and based on the Public Health Agency of Canada's document - Guidance Document on the Management of Inadvertent Vaccine Errors (May 2021).