

Evaluated Standards

This guide focuses on the selection of messaging standards to support the in scope use cases.

Messaging

The following standards were considered to communicate vaccination events and to query immunization repositories.

Standard	Fit for Purpose			Stewardship		Quality		
	Fits Requirements	Implementation Type	Vendor Support	Canadian Steward	SDO Maintained	Complexity	Standard Maturity	Training, Support and Tooling
CeRx HL7 V3.0 - Immunizations	<div></div>	Production in Canada	<div></div>	Yes	Yes	<div></div>	High	<div></div>
HLv2	<div></div>	No known implementations in Canada	<div></div>	No	Yes	<div></div>	High	<div></div>
Architectural Constraints and Considerations				Secondary Benefits				
The Canadian HL7 V3 CeRx specification was designed to support the in scope use cases in a manner consistent with the design principles of Canada's digital health blueprint. The CeRx specification is widely adopted for drug domain messaging.				Version 3 uses rigorous analytic and message building techniques and eliminates areas of optionality that could negatively impact semantic interoperability.				
Recommendation				Supporting Rationale				
CeRx implementers may use the latest CeRx specification for immunization messaging. (Note that the newer HL7 v3 public health messaging supports a broader range of transactions.)				The specification was designed to meet the in-scope use cases and conforms with the architectural design of Canada's digital health blueprint.				