

Declaration of Readiness for Meaningful Use Stage 2

North Dakota Immunization Information System (NDIIS)

Technical Capacity for Interoperability with the NDIIS

The NDIIS currently supports the 2.5.1 release 1.4 version of the HL7 Implementation Guide for immunization messaging. North Dakota providers who wish to connect their electronic health record (EHR) system to the NDIIS and attest for Stage 2 Meaningful Use must demonstrate the ability to transmit HL7 2.5.1 version 1.4 messages. Within the OBX segment of the HL7 message, providers must be able to send dose-level Vaccines For Children (VFC) eligibility and vaccine funding source. The preferred method of transport for the HL7 messages is SOAP/HTTPS for real time transmission. It is also recommended that EHRs have the capacity for a fully bi-directional exchange (ie. support query/response).

Testing to certify for Meaningful Use Stage 1 or Stage 2 will start by using the NDIIS interoperability automated testing site to submit a version 2.5.1 HL7 message. Provider EHRs must utilize the automated testing site for initial analysis of their HL7 message and must then prove that they can successfully submit a valid HL7 message to the automated testing site prior to engaging in more in depth testing with the NDIIS interoperability project team.

The automated test site can be accessed from the following link:

<https://meaningfuluse.bcbsnd.com/meanuse/meanuse.aspx>

HL7 Specifications for NDIIS interoperability with EHRs are available at:

www.ndhealth.gov/Immunize/Interop/

Interoperability Component	NDIIS Requirement
Method of Transport (NDIIS direct connection)	SOAP/HTTPS
HL7 Message	2.5.1 version 1.4
Additional Requirements	Query/Response
	Dose-level VFC eligibility (OBX 5)
	Vaccine Funding Source (OBX 5)

Administrative Capacity for Interoperability with the NDIIS

The NDIIS is currently connected to 264 individual provider practices, the North Dakota state-wide health information exchange (HIE), North Dakota Health Information Network (NDHIN) and the North Dakota disease surveillance system, MAVEN. Future interoperable connections will be prioritized based on volume and EHR readiness. Volume is based on the number immunizations given. EHR readiness is determined by the ability of the provider EHR to send HL7 2.5.1 version 1.4 messages that includes both dose-level VFC eligibility as well as vaccine funding source. If a provider EHR does not meet the readiness requirements for the NDIIS connection, a lower volume provider may be moved up the list.

Providers wishing to connect to the NDIIS may connect directly using SOAP web services transport and the North Dakota CDC-inspired WSDL or via a VPN connection with the NDHIN.

Providers interested in establishing an interoperable connection with the NDIIS must complete and submit an NDIIS Registration of Intent form at: www.ndhealth.gov/Immunize/Interop/. Completed forms should be sent to the NDIIS Manager, Mary Woinarowicz at mary.woinarowicz@nd.gov.

Additional Information:

Additional information is available at www.ndhealth.gov/Immunize/Interop/.

