

Declaration of Readiness for Meaningful Use Stage 3

North Dakota Immunization Information System (NDIIS)

Technical Capacity for Interoperability with the NDIIS

The NDIIS is currently undergoing an upgrade to our messaging system that will allow us to support the 2.5.1 release 1.5 version of the HL7 Implementation Guide for immunization messaging. This work will be complete in January 2017. North Dakota providers who wish to connect their electronic health record (EHR) system to the NDIIS and attest for Stage 3 Meaningful Use must demonstrate the ability to transmit HL7 2.5.1 version 1.5 messages. This requires a fully bi-directional exchange with query/response capability as well as the submission of VXU messages. Additionally, immunization messaging requirements for Stage 3 require that the EHR product be able to send the vaccine National Drug Code (NDC) for all administered vaccines.

Testing to certify for Meaningful Use and to begin the initial interest process requires the use of 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
Messaging Requirements	Query/Response (OBX/RSP)
	VXU/ACK
Additional Requirements	CVX code for historical and administered vaccinations
	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 1.5 messages that includes query/response functionality, as well as sending NDC for administered immunizations, CVX code for all immunizations (historical and administered), dose-level VFC eligibility and 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 standard CDC 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/.

