

Provider Organization Readiness Checklist for Data Exchange with the Wyoming Immunization Registry (WyIR)

An electronic data exchange interface between your provider organization's Electronic Health Record (EHR) system and the WyIR supports ongoing, real-time transfer of data between these systems. Once established, an electronic data exchange interface can support submission of immunization record information from the EHR system to the Wyoming Immunization Registry (WyIR). Wyoming's immunization information system can also support querying the WyIR for consolidated immunization record information for patients, without leaving the EHR workflow.

Use this Readiness Checklist to review and complete the activities below to ensure your EHR system is capable of electronic data exchange with the WyIR and that your organization is prepared for the onboarding process to establish an electronic data exchange interface. Please reach out to the WyIR by email at wyir@wyo.gov, if you have any questions.

Enroll in the WyIR

- Complete the [Wyoming Immunization Registry \(WyIR\) Enrollment Form](#) to enroll in and be authorized to access the WyIR.**

Ensure all facilities (physical sites) associated wWyoming Immunization Registry (WyIR) Enrollment Form with your organization are also properly enrolled in the WyIR (IIS).

Ensure base technical capability to support immunization data exchange

- Ensure your EHR system is capable of supporting SOAP Web Services, using the [CDC WSDL](#).**

Secure transport of data between an EHR system and the IIS is supported through use of SOAP Web Services and in particular, a Centers for Disease Control and Prevention (CDC) WSDL. Implementation of this WSDL is necessary to support secure data exchange.

- Ensure your EHR system is capable of supporting [HL7 v2.5.1 immunization messaging](#).**

Immunization data exchange is supported through use of Health Level Seven (HL7) version 2 messaging. The HL7 v2.5.1 Implementation Guide for Immunization Messaging (National IG) provides specifications for use of this format to support standards-based exchange of immunization data.

If your EHR product is certified under the ONC Health IT Certification Program,¹ editions 2015 and 2015 Cures Update, your EHR system is capable of supporting submission of data to an IIS and the ability for an EHR user to query the IIS for an evaluated immunization history and forecast, using HL7 v2.5.1 messaging. If your EHR system is not certified or you're unsure of its certification status, check with your technical vendor to ask about these capabilities.

Complete WylR data exchange forms

- ❑ **Register for data exchange with the [WylR Onboarding Registration Form](#).**
Register your intent to exchange data with the Wyoming Immunization Registry, (WylR). Provide general information about your organization, the number of facilities associated with your organization, and your EHR system.
- ❑ **Complete the [WylR Onboarding Questionnaire](#).**
Provide detailed information about your EHR system, data exchange capabilities, and your organization's immunization practices and population to inform data quality testing in the onboarding process.

Prepare for data exchange with the WylR

- ❑ **Review the local [WylR HL7 Implementation Guide for Immunization Messaging \(Local IG\)](#) and locally accepted code/values.**
Review local HL7 messaging requirements and constraints on the National IG. Review locally accepted codes and values, to understand where national code and value sets are constrained or extended to support data exchange with the WylR.
- ❑ **Complete HL7 self-service testing against national messaging requirements and submit validation results to the WylR Team.**
Demonstrate your EHR's capability to produce HL7 v2.5.1 messages compliant with requirements in the National IG. Create and test a suite of test messages, using the [National Institute of Standards and Technology \(NIST\) Immunization Test Suite](#),² to help ensure your EHR is able to send the necessary data for successful immunization data exchange. Submit your testing validation report to the WylR team for review at wylr@wyo.gov.

¹ <https://www.healthit.gov/topic/certification-ehrs/certification-health-it>

² <https://hl7v2-iz-r1.5-testing.nist.gov/iztool/#/home>

Prepare for the onboarding process

- ❑ **Review the [WyIR Onboarding Guide](#).**

Review the steps and activities involved in the onboarding process. Review expectations and responsibilities during onboarding as well as post-onboarding, once the interface is “live.” Identify your onboarding and interface support team; i.e., the resources you will need to complete and support the activities outlined. Ensure these resources are sufficiently allocated to the onboarding project and available as needed to support the duration of the onboarding process and ongoing maintenance of the interface.

Completion of the WyIR enrollment, the WyIR Onboarding Registration form, and the WyIR Onboarding Questionnaire form will place your organization in queue to be invited to an onboarding kickoff call, as WyIR resources allow. An onboarding kickoff call initiates the process of establishing connectivity between your EHR system and the WyIR.