

IIS Orientation to Provider Onboarding: Resources Checklist

This document provides an annotated list of resources for IIS staff to use in support of their provider-onboarding process (i.e., the process of establishing and testing a data exchange interface between an electronic health record (EHR) system and an IIS). *Initial* review of and engagement with these resources is estimated to take approximately six to ten hours.

Note: this is not intended to be an exhaustive list of resources; rather, it is intended to serve as a starting point for staff who are new to an IIS onboarding role and/or are new to interoperability as it relates to immunization messaging. Please visit AIRA's [Onboarding Shared Services Program](#) page for more information.

Review best practices in the IIS onboarding process (~1–3 hrs.)

Resource	Notes
<p>Onboarding Consensus-Based Recommendations Guide Webinar Introduction to the Guide</p> <p>An AIRA guidance document that provides an overview of the IIS onboarding process, along with recommendations and implementation considerations for each step in the process.</p>	
<p>Data Validation Guide for the IIS Onboarding Process Guide Webinar Introduction to the Guide</p> <p>An AIRA guidance document that provides recommendations on key data-quality measures to assess during the onboarding process to ensure high-quality data interfaces between electronic health record systems and IIS.</p>	
<p>Data Quality Assurance in Immunization Information Systems</p>	



[Guide](#) | [Mini Guide](#) | [Past and Current](#) | [Principles and Business Rules](#)

An AIRA guidance document that provides best practice recommendations that support and sustain high-quality data in IIS.

Review key interoperability concepts (~1.5–2 hrs.)

Resource	Notes
<p>Fundamentals of IIS</p> <p>PHII IIS Hub Interoperability Data Quality HL7 Basics</p> <p>A series of free e-learning courses from the Public Health Informatics Institute to build a fundamental understanding of essential topics for IIS staff. Each course may take an estimated 20–30 minutes to complete. A free user account will need to be created to access the course.</p>	
<p>Advanced HL7</p> <p>Advanced HL7</p> <p>A free e-learning course from the Public Health Informatics Institute that builds on the HL7 Basics course to explore additional topics in greater detail. The course is anticipated to take an estimated 20–30 minutes to complete. A free user account will need to be created to access the course.</p>	
<p>Transport 101 and SOAP WSDL 101</p> <p>Transport 101 SOAP WSDL 101</p> <p>Short (approximately four-minute) videos from AIRA explaining the role of transport in interoperability, i.e., the movement of data and information from one system to another. Includes an explanation of the transport standard used in</p>	



immunization messaging: Simple Object Access Protocol (SOAP) web services. A free user account will need to be created to access the course.

Review roles and responsibilities associated with onboarding (0.5–1 hr.)

Resource	Notes
<p>Interface Analyst Sample Role Description Interface Analyst</p> <p>A sample role description for an IIS interface analyst from the Public Health Informatics Institute. Jurisdictional job titles associated with this role include onboarding analyst, onboarding technician, interface manager, data analyst, HL7 specialist, and interoperability analyst.</p>	

Review additional resources for familiarity (~2–3 hrs.)

Resource	Notes
<p>HL7 Version 2.5.1 Implementation Guide for Immunization Messaging, Release 1.5, 2018 Update National HL7 v2.5.1 IG</p> <p>The National Implementation Guide (IG) for immunization data exchange. This consolidated guide in the AIRA Repository provides a framework for using the HL7 v2 format and standard to exchange immunization data and information between systems (e.g., between EHRs and IIS).</p>	
<p>NIST Immunization Integration Test Suite NIST Immunization Integration Test Suite Demonstration Video</p>	



A suite of tools from the National Institute of Standards and Technology (NIST) to support immunization-related data exchange testing, including testing of message transport (SOAP testing) and message format (HL7 testing). Also used to support immunization-related testing as part of the ONC Health IT Certification Program. AIRA also provides a NIST Immunization Test Suite Demonstration video of the tool.

Importing Legacy Data to Improve IIS Saturation

[Guide](#) | [Webinar Introduction to the Guide](#)

An AIRA guidance document that reviews methodologies and best practices for obtaining legacy data from provider organizations and importing these data into the IIS. As the guide indicates, it is often best to secure legacy data in conjunction with provider onboarding activities.

Peruse and bookmark additional sites (~1–2 hrs.)

Resource	Notes
IIS Technical Guidance HL7 Implementation Transport (SOAP) CDC web pages with technical resources to support immunization data exchange, including links to the National IG, CDC and AIRA Standards and Interoperability Committee (SISC) messaging guidance, NIST tools, and SOAP web services and WSDL specifications.	
Immunization Data Code Sets Code Sets CDC web page with current immunization-related code sets. Includes CVX codes, MVX codes, NDC crosswalk tables, and more. Subscribe to receive updates when codes are updated.	