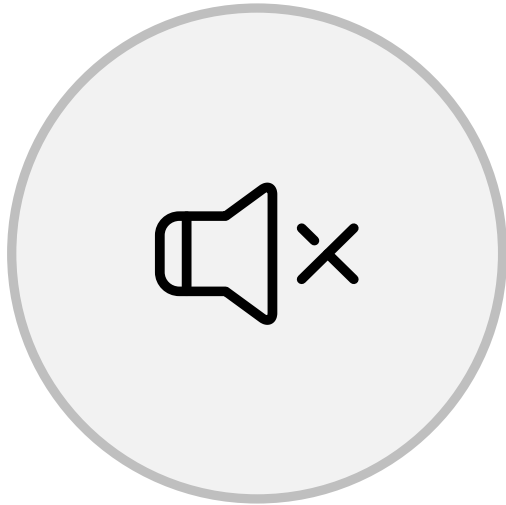


COVID-19 Vaccine Readiness: An Overview of CDC's COVID-19 Preparedness Report and AIRA's Measurement and Improvement COVID-19 Standards Alignment Report

Discovery Session
October 26, 2020
4pm EST

AIRA Discovery Session



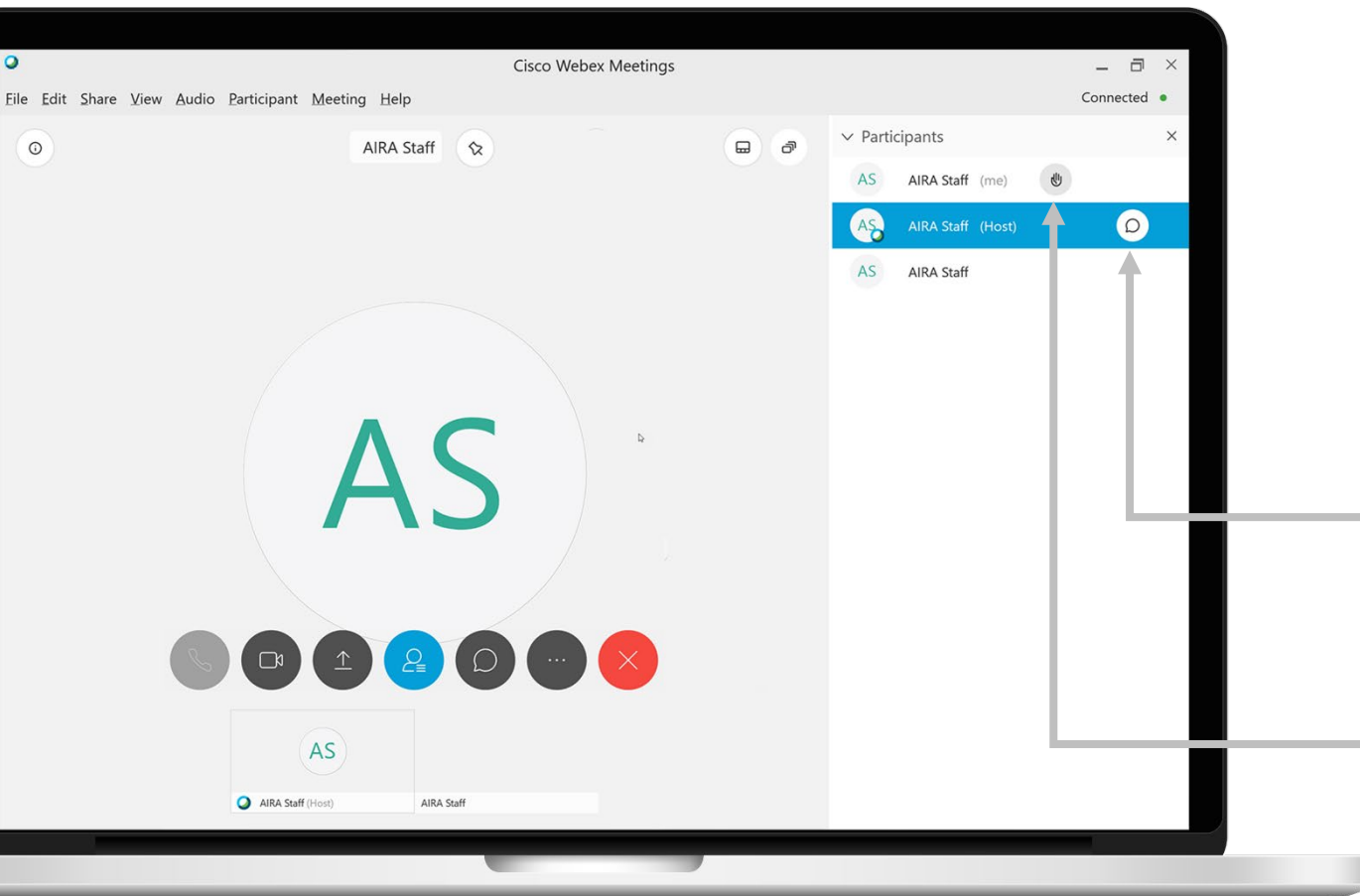
All phone lines
are muted



This meeting is being recorded
and will be posted on the
AIRA repository

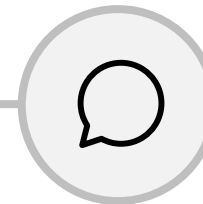


AIRA Discovery Session

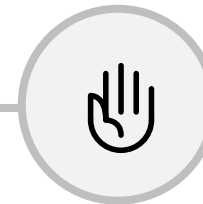


- **How do I ask a question?**

- There will be time allotted for Q&A following each of the updates, to unmute your line **press *6**
- Via WebEx:



Select the chat icon next to the host and type question into the chat box.



Select the hand icon next to your name and you will be called on.



Today's Topics

- Two resources to help IIS programs prepare for COVID-19 vaccine
 - CDC's COVID-19 Preparedness Report
 - AIRA's M&I COVID-19 Standards Alignment Report



Press *6 to unmute your line



Today's Speakers

- Janet Fath, CDC
- Melody Parker, CDC
- Eric Larson, AIRA



Press *6 to unmute your line



CDC Updates

Janet Fath

Melody Parker

Ongoing Engagement with IIS Awardees and Community

- **Weekly IIS Information Brief**
- **Monthly IIS All-Awardee Forums***
- **Bi-weekly IIS Vendor Meetings**
- **Weekly COVID-19 Vaccination Response IIS Office Hours*** to ask questions and receive timely responses based on the latest available information.
- **Weekly Awardee Vaccination Planning Meetings*** calls that are coordinated across the Branches within the Division around specific topics.
- **Vaccination Administration Management System (VAMS) Orientations and Weekly Townhalls** enables jurisdiction and other interested users to learn, understand, and perform the various activities associated with their role using VAMS.

*available primarily for jurisdiction awardees

Resources

Data and Reporting	IZ Gateway	VAMS	Cross-Cutting
COVID-19 Vaccination Reporting Specification	IZ Gateway Deep Dive Q&A Document and Recording	VAMS Demonstration Recording	COVID-19 Vaccine Tracking QAs for IIS Awardees
COVID-19 Vaccination Reporting Specification Guidance	IZ Gateway Information Sheet	VAMS Information Sheet	All-Awardee Forum Recordings (4)
Provider Agreement Data Submission Presentation	IZ Gateway Introductory Document	VAMS Kickoff Recording	Master Awardee Work Plan: Preparing IISs for COVID-19 Response
Provider Enrollment Data Submission Instructions	IZ Gateway Overview Document		COVID-19 Vaccination Program Interim Playbook for Jurisdiction Operations
Provider Enrollment Data Reporting Specification	IZ Gateway Portfolio Specifications v0.5		Vaccine 2-D Barcoding for Mass Vaccination
			COVID-19 Vaccination Program Provider Agreement
			Supplemental COVID-19 Vaccine Administration Redistribution Agreement

Upcoming Resources

New documents are added to the ISD SharePoint *COVID-19 – IIS Resources* folder as they are approved. Web pages are in development to make certain resources about COVID-19 vaccine monitoring and assessment available to broader audiences.

Upcoming Resources include:

- Overview of Privacy Preserving Record Linkage (PPRL) Technology
- IT Architecture Overview
- VAMS Q&A
- DUA Overview and Guidance
- Data Use Agreement for Reporting Vaccine Data to CDC
- Data Requirements, Dashboard, and Data Lake Q&A
- COVID-19 Vaccine Administration Tracking Solution Guidance
- COVID-19 Vaccine Comprehensive Data Requirements
- Vaccine Tracking Toolkit Materials and Overview
- VAMS Training Materials for all user groups
- Provider Enrollment Overview for Providers
- Provider Enrollment Overview for Jurisdictions

Additional Updates – Breaking News



M&I COVID-19 Standards Alignment Report

Eric Larson



Content Area

Transport

**Submission /
Acknowledgment**

Query / Response

CDS

**Data Quality
Incoming/Ongoing**

1

Testing & Discovery

Testing & Discovery

Testing & Discovery

Testing & Discovery

Testing & Discovery

2

Assessment

Assessment

Assessment

Assessment

Assessment

3

Validation

Validation

Validation

Validation



Content Area

Transport

**Submission /
Acknowledgment**

Query / Response

CDS

**Data Quality
Incoming/Ongoing**

1

Testing & Discovery

Testing & Discovery

Testing & Discovery

Testing & Discovery

Testing & Discovery

COVID-19 Standards Alignment Report

Assessment

Assessment

Assessment

Assessment

Assessment

3

Validation

Validation

Validation

Validation



COVID-19 Standards Alignment Report

Identified Standards/Expectations

- Transport: 2 Measures
- Submission: 14 Measures
- Query: 5 Measures
- DQI: 14 Measures
- CDS: Childhood Catch-up
- IZ Gateway Connect

New and Emerging Standards/Expectations

- COVID Vaccine Codes
- Serology
- Priority Groups



LIVE DEMO



Report Timelines



IIS CURRENTLY PARTICIPATING IN
ASSESSMENT WILL HAVE A REPORT
SOON



YOUR REPORT WILL BE READY NO
LATER THAN YOUR VIRTUAL AART
CLINIC



REPORTS CAN BE RE-RAN UPON
REQUEST

IIS Well Visit Reminder

It's time to schedule your 30-minute virtual AART Clinic appointment!

AART Clinics provide a full checkup of your IIS, which may include:

- Screening your IIS functionality compared to national standards and best practices
- Guidance on action steps you can take to become better aligned with standards
- Education on how to use the AART tool
- Review of your IIS readiness for the novel COVID vaccine

Clinic appointments will be available 11/02 through 12/04

Sign up now at:

<https://www.signupgenius.com/go/70A054DA9A82DA0F49-virtual>





HELP

Not sure where to start?

The M&I Technical Team is available
to help provide technical assistance
(TA)

Ways AIRA can support you!

- AIRA staff have expertise and knowledge to help jurisdictions write and complete their own Business Continuity Plans.
- Assistance in using SmartyStreets to increase accurate address data for reporting and 2nd dose reminder recall activities.
- HL7 Training with varying level of complexity.
- Assistance participating in Data at Rest for quick analysis of your IIS data quality down the to the provider level.
- Creating AART reports and using results to help identify activities for improvement.



And there is more...

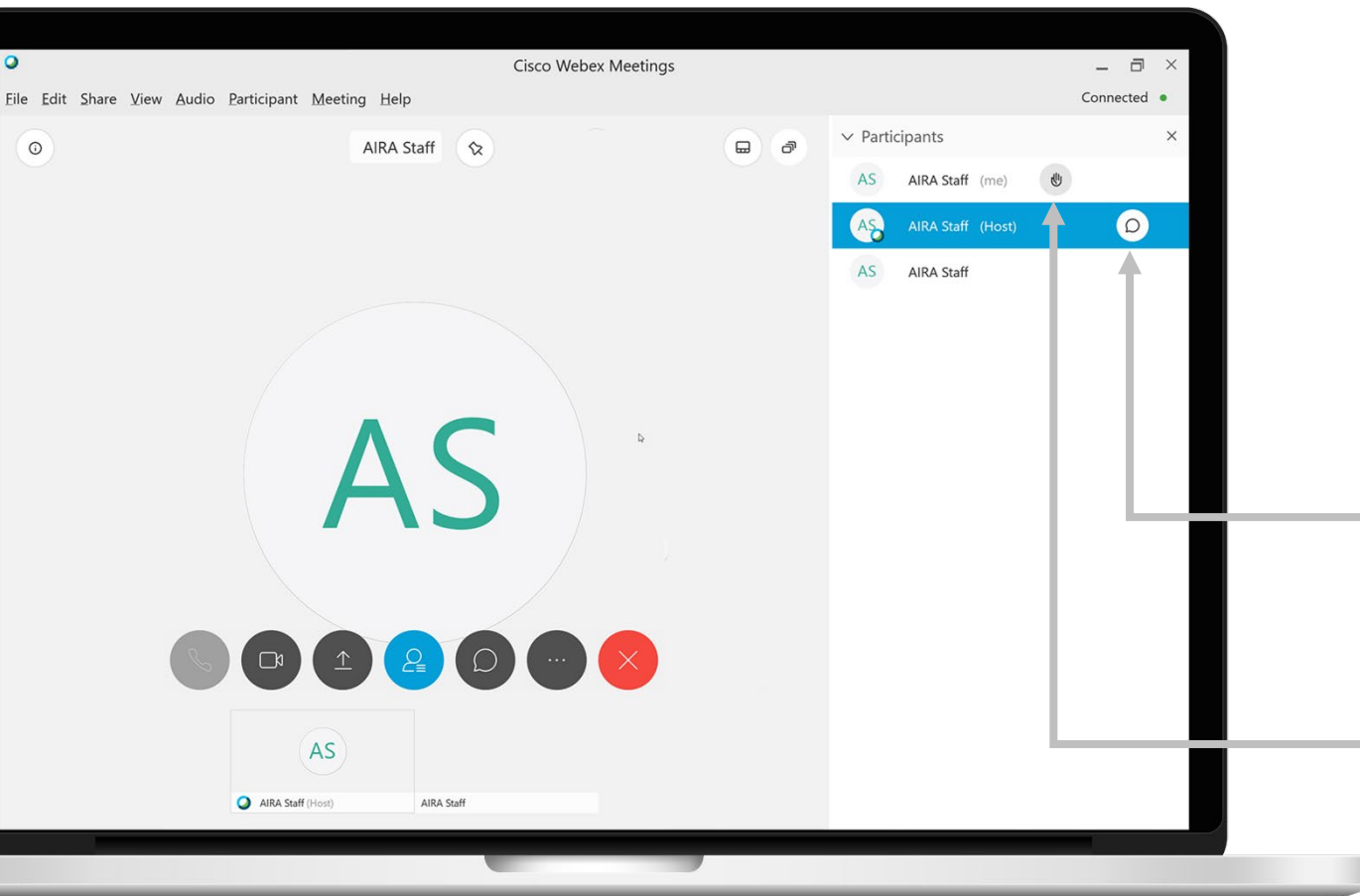
- Assistance with understanding and implementing federal data exchange/data extract requirements for COVID including vaccine and provider management.
- Assist with answering policy related questions and facilitating conversation between legal departments and the Network For Public Health Law.
- Onboarding support to help jurisdictions get connected to the IZ Gateway 'Connect' (large provider interfaces) and 'Share' (IIS to IIS data exchange). This support includes both answering questions related to policy documents and helping IIS test their connections with the IZ Gateway.
- *More offerings coming, particularly around provider onboarding support*



Questions, Comments, Discussion?

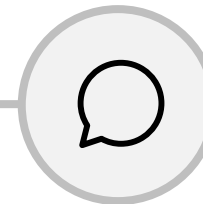


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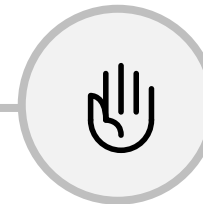


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Thank you to our presenters, and thanks to all of you for joining us!

A brief evaluation survey will be sent out
following this webinar

The next Discovery Session will be scheduled
soon and will likely be in October

M&I: COVID-19 Standards Alignment Report

Report measures and tests last updated: 10/01/2020

IIS	AIRA Sandbox
Created By	Eric Larson
Published Date	10/23/2020
Run Date	10/20/2020 Request New Report
Report Status	Created

Background

In 2015, AIRA launched an Interoperability Testing Project to determine the level of alignment between current Immunization Information Systems (IIS) and the community's interoperability standards. Over time, more content areas have been included. The IIS COVID Readiness Report was a specialty content area created in June 2020 to assist IIS with better preparing for the expected arrival of a novel vaccine for COVID-19.

The report is made up of two sections:

1. **Identified Standards/Expectations (jump to section):** The first section will be a set of excerpted measures that the measurement and improvement initiative already has test cases built out for, that will help IIS specifically with data exchange for COVID-19. These are items that were already recommended before COVID, and are critically important to support and maintain interoperability, particularly as IIS reach out to new and non-traditional partners.
2. **New and Emerging Standards/Expectations (jump to section):** The second section will include new information for COVID readiness that have emerging and evolving expectations and requirements/specifications. IIS will likely need to improve/refine these areas (e.g., serology tracking, connection with the IZ Gateway with your test system, etc.) - AIRA will need to build and implement new tests for these areas as the expectations and requirements/specifications are made clear by CDC.



1: Identified Standards/Expectations

1.1: Transport

When any two systems connect to exchange data, they must use an agreed upon transport layer to connect. A CDC-led expert panel was tasked with selecting transport layer and defining a technical specification. In 2011, the panel selected Soap and defined a formal specification known as a "CDC WSDL." The results for two measures from Transport Assessment are included below.

Measure	Measure Title	Result
TA.1	The IIS supports Connectivity Test	Meets
TA.2	The IIS supports Submit Single Message Test	Meets

1.2: Submission and Acknowledgement

AIRA convened an in-person meeting in July of 2016 to define measures and high-level scenarios for submission of immunization related data to an IIS. The results for 14 measures from Submission Assessment are included below.

Measure	Measure Title	Result
SA.1	The IIS processes an administered vaccine for a patient.	Meets
SA.2	The IIS processes a historical vaccine for a patient.	Meets
SA.3	The IIS processes the submission of a full immunization record for a patient.	Meets
SA.4	The IIS processes an update to a previously submitted vaccination event.	Meets
SA.5	The IIS processes a delete to a previously submitted vaccination event.	Meets
SA.6	The IIS processes a submission where the patient does not give consent (i.e., patient data is protected) to share data.	Meets
SA.8	The IIS processes an adverse event.	Meets
SA.9	The IIS processes an observation about a patient which results in a contraindication or immunity to a vaccine preventable disease.	Meets
SA.10	The IIS processes messages in accordance with the HL7 2.5.1, release 1.5 guide.	Meets
SA.11	The IIS processes both complete and incomplete/partially administered doses.	Meets
SA.12	The IIS responds to a correctly formatted message with no errors.	Meets
SA.13	The IIS responds to a submission that has an error.	Meets
SA.15	IIS supports NDC 11-digit with hyphens	Meets
SA.16	IIS supports alternative NDC formats	Meets



1.3: Query and Response

AIRA convened an in-person meeting in July of 2016 to define measures and high-level scenarios for a query of immunization related data from an IIS. The results for 5 measures from Query A are included below.

Measure	Measure Title
QA.1	The IIS processes a query requesting a patient's immunization record.
QA.2	The IIS processes a query requesting a patient's evaluated immunization record and forecast.
QA.3	The IIS responds to a query for a known patient (one-to-one match).
QA.4	The IIS responds to a query for a patient that is not in the IIS.
QA.7	The IIS responds to a query for a known patient and returns known Core Data Elements.

1.4: Data Quality Incoming/Ongoing

The Data Quality content area of the Measurement and Improvement Initiative focuses on IIS detection of poor data quality during the submission of records and ensuring IIS returning data without changing the meaning of the vaccination event.

Measure	Measure Title	Result
DQI.1	The IIS detects data quality issues with patient name: first	Meets
DQI.2	The IIS detects data quality issues with patient name: last	Meets
DQI.3	The IIS detects data quality issues with patient date of birth	Meets
DQI.4	The IIS detects data quality issues with patient gender	Meets
DQI.5	The IIS detects data quality issues with patient address: state	Meets
DQI.7	The IIS detects data quality issues with race	Meets
DQI.8	The IIS detects data quality issues with ethnicity	Meets
DQI.15	The IIS detects data quality issues with vaccination administration date	Meets
DQI.19	The IIS detects data quality issues with vaccination event record type	Meets
DQI.21	The IIS detects data quality issues with vaccine product	Meets
DQI.22	The IIS detects data quality issues with vaccine manufacturer name	Meets
DQI.25	The IIS has the ability to map between coding systems	Meets
DQI.26	The IIS returns critical information about a previously submitted vaccination event	Meets
DQI.27	The IIS returns the consolidated immunization history following updates or deletes	Meets



1.5: Clinical Decision Support (CDS) - Catchup Schedules

Several studies have revealed a significant drop in childhood vaccines orders as well as childhood vaccination coverage rates. This means many children are now behind schedule and need to be caught up on their vaccinations. This report filters all CDS Assessment test cases to show only the catch-up test cases.

Concept	Age Group	DTAP	FLU	HIB	HPV	HepA	HepB	MCV	MMR	PCV	POL	ROTA	VAR	ZOSTER
Accuracy Peds Evaluation Status	Accuracy Peds Evaluation Status	94%		100%			90%			100%	90%			
	Accuracy Adol Evaluation Status	100%	100%				46%	100%	100%		100%		100%	
	Accuracy Adult Evaluation Status													
Accuracy Peds Earliest Date	Accuracy Peds Earliest Date	31%		100%			90%			100%	57%			
	Accuracy Adol Earliest Date	80%	100%				50%	100%	100%		28%		100%	
	Accuracy Adult Earliest Date													
Accuracy Peds Recommended Date	Accuracy Peds Recommended Date	37%		100%			90%			100%	57%			
	Accuracy Adol Recommended Date	80%	0%				50%	100%	100%		28%		100%	
	Accuracy Adult Recommended Date													
New or Changed														



1.6: IZ Gateway Connect

The Immunization Gateway (IZ Gateway) is a portfolio of components that share a common IT infrastructure. These components support the exchange of immunization data between immunization information systems (IIS), provider organizations, and consumer applications. The IZ Gateway can streamline time- and resource-intensive data exchange onboarding. It also replaces multiple one-to-one connections with centralized routing.

CDC released an overview of the IZ Gateway that contains details about all of the components of the project. The IZ Gateway "Connect" component is most critical for the COVID response. IZ Gateway Connect:

- Enables large national and non-traditional vaccinators to report and query immunization data with multiple IISs using the IZ Gateway
- Provides a centralized data exchange connection so multijurisdictional provider organizations have one connection instead of multiple, individual, point-to-point IIS connections

This is an identified expectation by CDC, but at this time, IZ Gateway Connect onboarding status is not integrated with AART. Therefore, no results are displayed.