



AIRA
AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION

End User Updates

**AART Software and Report
Enhancements
April 2025**

Table of Contents

Background	1
Overview	1
Need help?	1
November 2023	2
January – May 2024	3
June – August 2024	4
October – December 2024	9
January 2025	10

Background

The Aggregate Analysis Reporting Tool ([AART](#)) is an application specifically developed to support the [Measurement and Improvement \(M&I\) Initiative](#) to visualize and compile results and information on community-driven measures and tests related to the [immunization information system \(IIS\) Functional Standards](#). AART accomplishes this task by displaying test results for an IIS along with information and suggestions for improvements.

The tool is developed and supported by AIRA and is hosted on secure servers maintained by AIRA. AIRA technical staff routinely update AART, which impacts various IIS-specific reports, system features, and user navigation.

To help improve AART, AIRA invites users to submit any questions or recommended changes via the [Technical Assistance Request](#) form.

Overview

This document provides details of software changes or updates that were made to enhance and improve the end user experience while using AART.

Archived AART software updates impacting the end user are located on AIRA's Repository [here](#).

Need help?

Please send your question or request for assistance to AIRA by submitting a [Request for Technical Assistance](#).

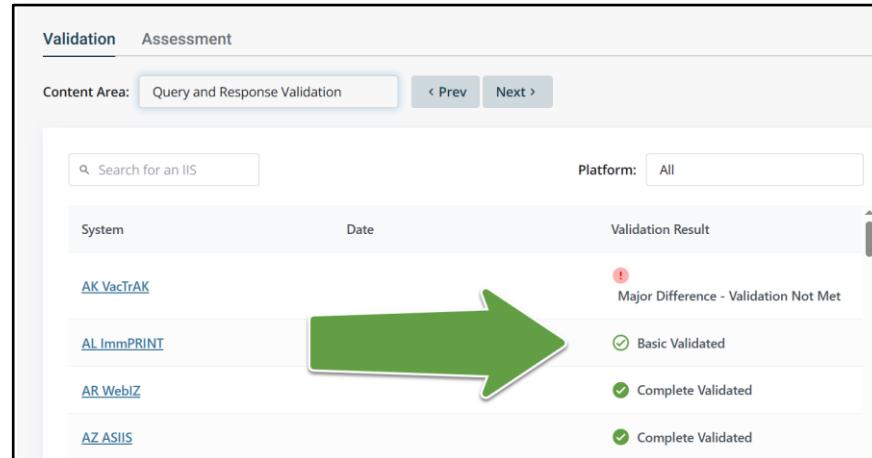
Information provided in this document was supported by the National Center for Immunization and Respiratory and Disease of the Centers for Disease Control and Prevention (CDC) under award number 6 NH23IP922665-01-01. The content is solely the responsibility of the authors and does not necessarily represent the official views of CDC.

November 2023

Category: My Peers Dashboard

Subject: Assessment and Validation results

There was a bug in AART that didn't allow displaying the *Assessment and Validation results* for all IIS and health technology partners. It is now fixed, and results are displayed correctly.



Validation Assessment

Content Area: Query and Response Validation

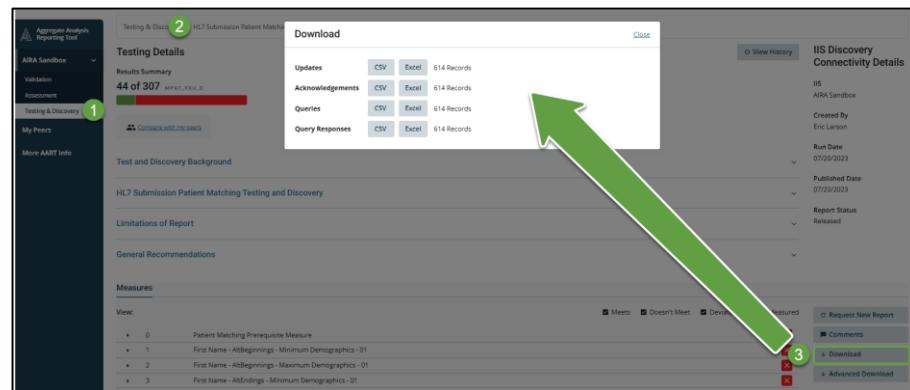
Platform: All

System	Date	Validation Result
AK VacTrAK		Major Difference - Validation Not Met
AL ImmPRINT		Basic Validated
AR WebIZ		Complete Validated
AZ ASIIS		Complete Validated

Category: Reports

Subject: Testing and Discovery

In the Testing & Discovery section, the ability to download test details is available for HL7 Submission & Query Patient Matching. Use the *Download* button on these reports.



Testing & Discovery

HL7 Submission Patient Matching

Testing Details

Results Summary: 44 of 307

Download

Updates: CSV, Excel (614 Records)

Acknowledgements: CSV, Excel (614 Records)

Queries: CSV, Excel (614 Records)

Query Responses: CSV, Excel (614 Records)

IIS Discovery Connectivity Details

ID: ARIA Sandbox

Created By: Eric Larson

Run Date: 07/20/2023

Published Date: 07/20/2023

Report Status: Released

Request New Report

Comments

Download

Advanced Download

Category: Reports

Subject: Download Record Count

When using the *Download* button in AART reports, the count of records was not previously listed, causing some confusion when blank files were downloaded. The *Download* window now contains a record count to aid AART users when downloading test details.

Download

[Close](#)

Updates	CSV	Excel	30 Records
Acknowledgements	CSV	Excel	30 Records
Queries	CSV	Excel	0 Records
Query Responses	CSV	Excel	0 Records

Category: Reports

Subject: Testing and Discovery

In the Testing & Discovery section, when reviewing the HL7 Submission & Query Patient Matching reports, the Results Summary did not display "Not Measured" in the bar graph. The bar graph now includes Not Measured.

HL7 Submission Patient Matching

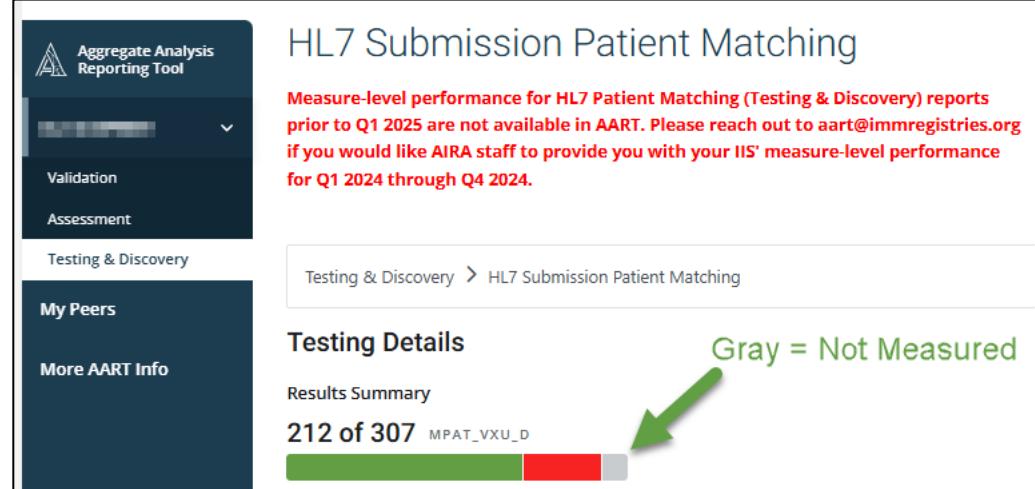
Measure-level performance for HL7 Patient Matching (Testing & Discovery) reports prior to Q1 2025 are not available in AART. Please reach out to aart@immregistries.org if you would like AIRA staff to provide you with your IIS' measure-level performance for Q1 2024 through Q4 2024.

Testing & Discovery > HL7 Submission Patient Matching

Testing Details

Results Summary

212 of 307 MPAT_VXU_D

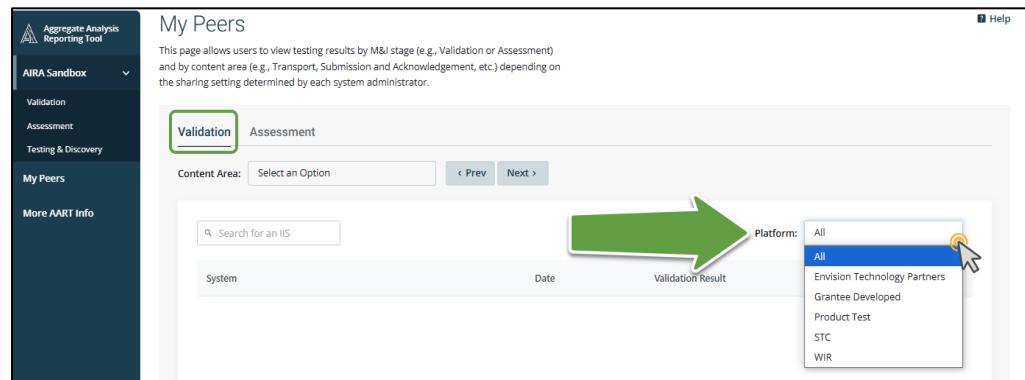


June – August 2024

Category: My Peers Dashboard

Subject: Platform Filter

The My Peers Dashboard has a feature to filter the Validation results by IIS Platform. Users can use the Platform drop-down list to select which platform results to view: All, Envision Technology Partners, Grantee Developed, Product Test, STC, and WIR.

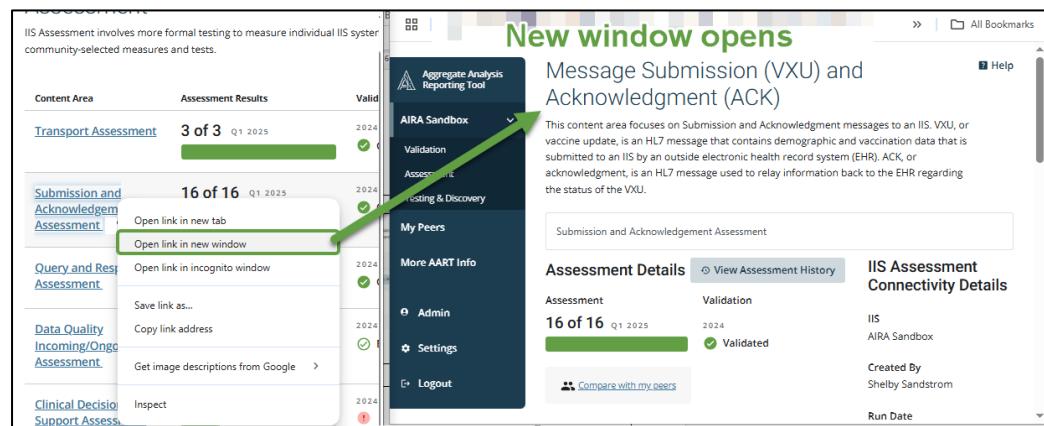


The screenshot shows the 'My Peers' dashboard. On the left is a sidebar with 'Aggregate Analysis Reporting Tool' and 'AIRA Sandbox' selected. The main content area is titled 'My Peers' and contains a 'Validation' tab (which is selected) and an 'Assessment' tab. Below these are sections for 'Content Area' (with a dropdown menu 'Select an Option'), 'System', 'Date', and 'Validation Result'. To the right is a dropdown menu for 'Platform' with options: All (selected), Envision Technology Partners, Grantee Developed, Product Test, STC, and WIR. A green arrow points to the 'Platform' dropdown, and a mouse cursor is hovering over the 'All' option.

Category: Overall Experience

Subject: Multiple Web Browser Tabs

Users can now use the right-click on a mouse to open a new tab or window to compare AART data. This feature wasn't previously available and required users to log in to AART again.



The screenshot shows a right-click context menu on a table row in the 'Assessment Results' section. The menu items are: 'Open link in new tab' (highlighted with a green arrow) and 'Open link in new window'. The main dashboard on the left shows the 'AIRA Sandbox' sidebar and a table with various assessment results. On the right, a new window is open titled 'New window opens' showing 'Message Submission (VXU) and Acknowledgment (ACK)' details. A green arrow points from the 'Open link in new window' menu item to the new window.

Category: AART Registration

Subject: AART User Changes Employers

Previously, when an existing AART user changed employers but was still required to access AART, the user had to register for a new AART account under a new name. AART previously used the individual's name as the unique identifier for accounts.

AART was changed so the individual's email address is now the unique identifier for accounts. This will aid our users who change employers, such as IIS to an IIS/EHR vendor, from one IIS/EHR vendor to another, etc.

Register

Full Name

Your first and last name as you want the community to see them.

Email Address

Your email address, we will use this to send you registration information.

Email is required

Organization

The name of the organization you work for, short name or recognizable acronym preferred.

Position Title

Title of professional position held within organization.

Phone

To be used by AIRA to reach you if they have questions.

AART Participant

Select the AART participant that you are requesting access to or associated with.

Register

Category: AART Registration

Subject: AART User with IIS/EHR Vendors

The AART Registration form was enhanced to include IIS/EHR vendors in the AART Participant drop-down list for employees of those organizations to register with AART.

Register

Full Name

Your first and last name as you want the community to see them.

Phone

To be used by AIRA to reach you if they have questions.

AART Participant

--select--

- AIRA Sandbox
- AIRA Sandbox Test
- AK VacTrAK
- AL ImmPRINT
- AP Web
- Email Test
- Envision Dev Testing**
- FL SHOTS
- GA GRITS
- Gainwell**
- IBM

Category: Reports

Subject: Clinical Decision Support (CDS)

AART was enhanced to load the CDS

Assessment report faster to improve user experience.



Category: Reports

Subject: Basic or Complete Validation with Minor Differences

Previously, when an IIS or health technology partner was validated as Basic – Minor Difference or Complete – Minor Difference, there was this statement indicating: "Your IIS does not meet the requirement for Basic or Complete Validation."

Now, the statement reads: "Your IIS meets the requirements for Basic or Complete Validation, with minor differences."

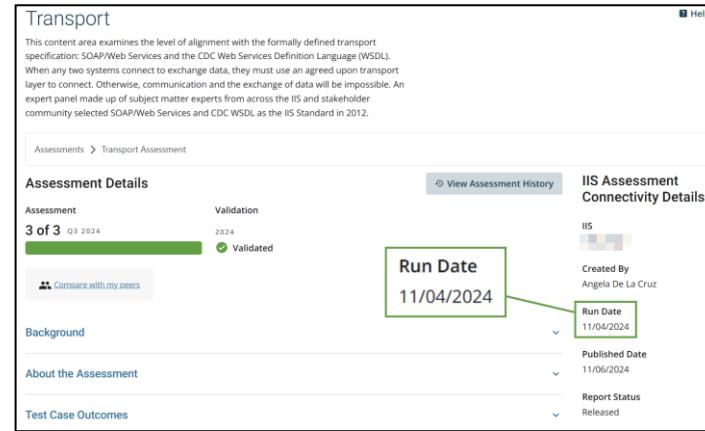
<p>Basic Validation</p> <p>Required for Basic Validation</p> <p>Submission and Acknowledgement Validation - Minor Differences</p> <p>Congratulations, your Submission and Acknowledgement capability is Validated with Minor Differences. We encourage you to review your local policies to more closely align with national standards.</p> <p>Your IIS meets the requirements for Basic Validation, with minor differences.</p>	<p>Complete Validation</p>
<p>Basic Validation</p> <p>Required for Complete Validation</p> <p>Submission and Acknowledgement Validation - Minor Differences</p> <p>Congratulations, your Submission and Acknowledgement capability is Validated with Minor Differences. We encourage you to review your local policies to more closely align with national standards.</p> <p>Your IIS meets the requirements for Complete Validation, with minor differences.</p>	<p>Complete Validation</p>

Two green arrows point from the text "Your IIS meets the requirements for Basic Validation, with minor differences." and "Your IIS meets the requirements for Complete Validation, with minor differences." to the "Basic Validation" and "Complete Validation" buttons respectively, highlighting the changes.

Category: Reports

Subject: Transport Assessment Run Date

AART was enhanced to display the date the Transport Assessment was run. This is similar to data presented for other content areas in assessment.



The screenshot shows the 'Transport' assessment details. The 'Assessment Details' section indicates '3 of 3' completed in 'Q3 2024'. The 'Validation' status is '2024' with a green checkmark and 'Validated'. A 'Run Date' is highlighted with a green box and arrow, showing '11/04/2024'. The 'IIS Assessment Connectivity Details' section shows 'IIS' with a grayscale profile picture, 'Created By' 'Angela De La Cruz', and 'Run Date' '11/04/2024'. Other details include 'Published Date' '11/06/2024' and 'Report Status' 'Released'.

Category: Reports

Subject: View Only Users

To align with system policies, the *Request New Report* button was removed for users with view only access. This access is typically assigned to non-IIS and organizational staff, such as technology partners, CDC, NIST, or EHR partners.

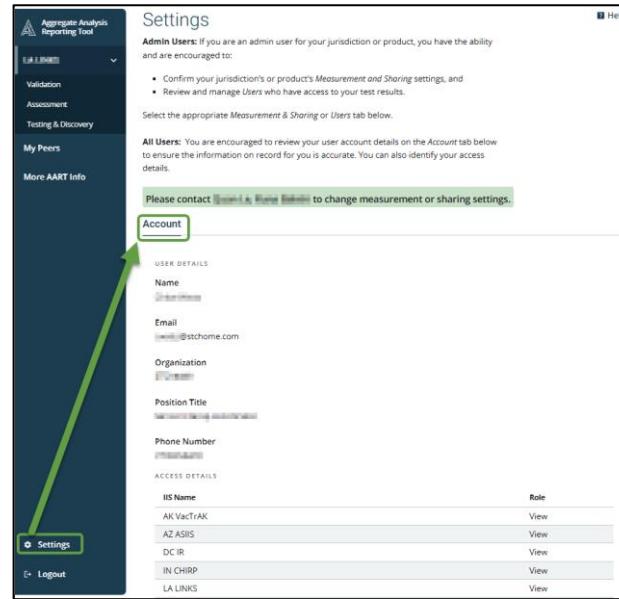


The screenshot shows the 'Assessment Measures' section. The left sidebar has 'Assessment' selected, with 'Testing & Discovery', 'My Peers', and 'More AART Info'. The main area shows 'View: All Measures' and a list of 4 measures. A large green box with the text 'Request button not available' is overlaid on the right side of the page. The 'Not Measured' column has several green checkmarks.

Category: Settings

Subject: User Account Information

Previously, an individual's user account information wasn't accessible in the *Settings* option on the left-side menu. AART was enhanced to show this information for the individual users.



Category: Settings

Subject: Inactive and Deactivated Users

AART was enhanced to distinguish a user who hasn't logged into the system in a certain time frame as inactive and a user who no longer needs access due to a change in employment or role as deactivated. When a user is marked as Deactivated, the user will not appear in the Authorized User table under Settings. AART administrators are impacted by this change when updating a user. AART manages when a user becomes inactive due to not logging into the system within a defined time frame.

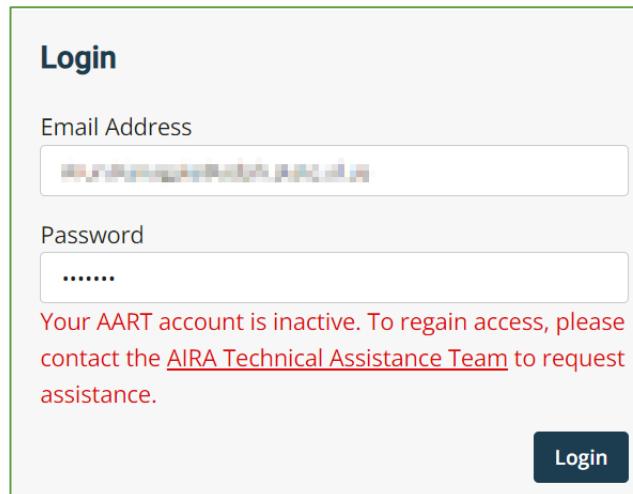
The screenshot shows the 'User Details' dialog box. It has sections for 'User Details' (Name: Test - AIRA Project Staff, Email: 1AART@immregistries.org, Organization: AIRA, Position Title: Business Analyst, Phone Number: blank), 'ACCESS SETTINGS' (Access Level: Admin, Standard, View, Deactivate), and 'USER DETAILS' (Email, Organization, Position Title, Phone Number). A green box highlights the 'Deactivate' radio button in the access settings section. At the bottom are 'Save Changes' and 'Cancel' buttons.

October – December 2024

Category: Login

Subject: Inactive User

When a user becomes inactive and attempts to log in to AART, the message “Your AART account is inactive. To regain access, please contact the AIRA Technical Assistance Team to request assistance” appears. This will allow AIRA staff to better manage users.

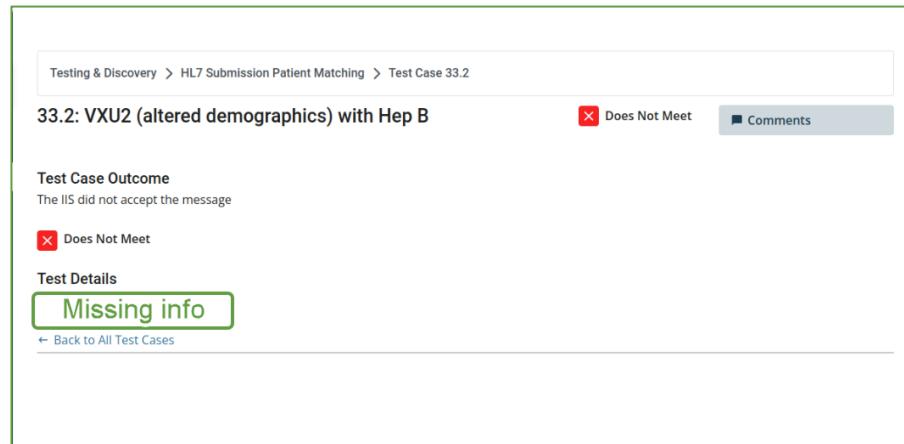


The image shows a login form with a green border. At the top, it says "Login". Below that are fields for "Email Address" and "Password", both containing placeholder text. A red message at the bottom of the form reads: "Your AART account is inactive. To regain access, please contact the [AIRA Technical Assistance Team](#) to request assistance." A blue "Login" button is at the bottom right.

Category: Overall Experience

Subject: HL7 Patient Matching Report

It was reported that test case details for Testing and Discovery – HL7 Patient Matching report were not loading for further analysis. This has been corrected to appear appropriately.



The image shows a test case outcome screen with a green border. The header shows the path: "Testing & Discovery > HL7 Submission Patient Matching > Test Case 33.2". The title of the test case is "33.2: VXU2 (altered demographics) with Hep B". To the right, there are buttons for "Does Not Meet" (red) and "Comments" (grey). Below the title, it says "Test Case Outcome: The IIS did not accept the message". Under "Test Details", there is a green box containing the text "Missing info". At the bottom, there is a link "Back to All Test Cases".

Category: Overall Experience**Subject: CDS Test Execution**

The number of tests executed for Clinical Decision Support (CDS) has the potential to cause test participant systems to feel the impact from the volume of messages received. Due to this, AART was enhanced to allow CDS test execution to delay the time (in seconds) between messages sent to reduce the impact on receiving systems.



January 2025

Category: Setting**Subject: User Access Level Change**

When an AART administrator makes any change to a user's Access Level, the administrator is required to provide a reason for the change. Previously the reason for the change option was a free text field, but it is now a drop-down list. The options available are:

- No longer employed
- No longer our EHR/IIS Vendor
- CDC SME is no longer supporting our org
- Change in role within org

A screenshot of a user interface titled "User Details". The "Name" field contains "Test Test". The "ACCESS SETTINGS" section shows a dropdown menu for "Access Level" with the following options: "Admin" (radio button), "Standard" (radio button, selected), "View", and "Deactivate". A green arrow points from the "Standard" radio button down to a "Reason for Change" field, which contains the placeholder text "Select an Option". The "USER DETAILS" section on the right includes fields for "Email" (redacted), "Organization" (test org), "Position Title" (test position), and "Phone Number" (redacted). At the bottom are "Save Changes" and "Cancel" buttons.