



AIRA

AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION

End User Updates

**AART Software and Report
Enhancements**

April 2025

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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](#).

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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.

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.

Download

Item	Format	Records
Updates	CSV, Excel	614 Records
Acknowledgements	CSV, Excel	614 Records
Queries	CSV, Excel	614 Records
Query Responses	CSV, Excel	614 Records

Measures

View	Measure	Meets	Doesn't Meet	Download
0	Patient Matching Prerequisite Measure			
1	First Name - AllBeginnings - Minimum Demographics - 01			
2	First Name - AllBeginnings - Maximum Demographics - 01			
3	First Name - AllEndings - Minimum Demographics - 01			

January – May 2024

Category: Reports

Subject: Download Record Count

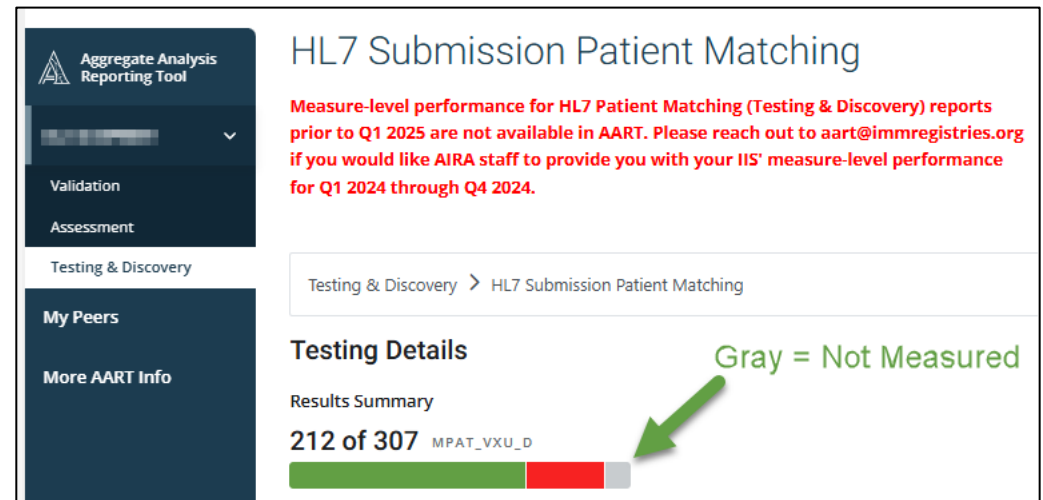
When using the *Download* button in AART reports, the count of records was not previously listed, causing some confusion when blank files were downloaded. The *Download* window now contains a record count to aid AART users when downloading test details.

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.

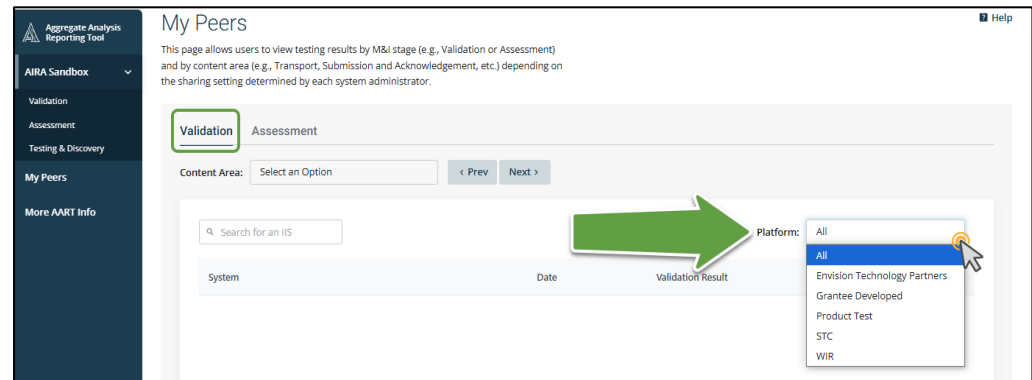


June – August 2024

Category: My Peers Dashboard

Subject: Platform Filter

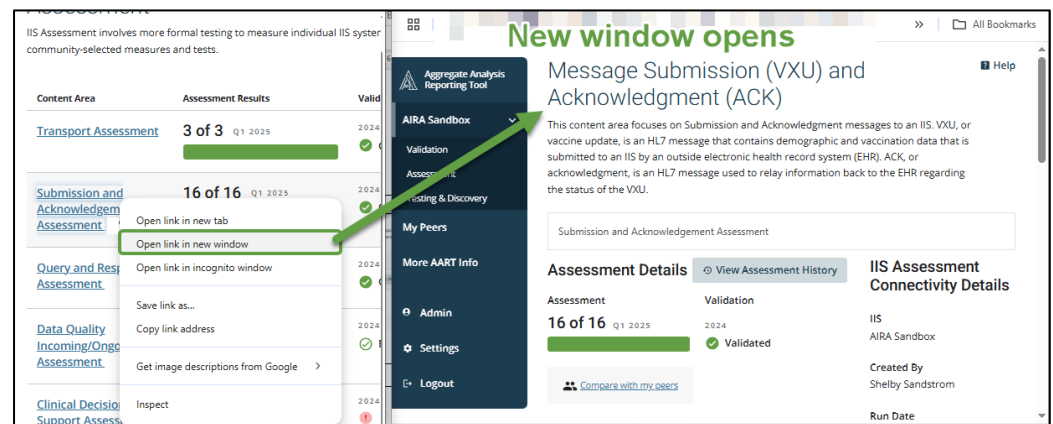
The My Peers Dashboard has a feature to filter the Validation results by IIS Platform. Users can use the Platform drop-down list to select which platform results to view: All, Envision Technology Partners, Grantee Developed, Product Test, STC, and WIR.



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.



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.

The screenshot shows the 'Register' form with the following fields and labels:

- 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. A red error message 'Email is required' is displayed below the field.
- 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 AIRT to reach you if they have questions.
- AART Participant**: Select the AART participant that you are requesting access to or associated with.

A 'Register' button is located at the bottom right of the form.

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.

This screenshot shows the 'AART Participant' drop-down menu expanded, displaying a list of organizations. The list includes:

- select--
- AIRA Sandbox
- AIRA Sandbox Test
- AK VacTrAK
- AL ImmPRINT
- AB Tech
- Envision Dev Testing
- FL SHOTS
- GA GRITS
- Gainwell
- IBM

The 'Email Test' label is visible above the drop-down menu.

Category: Reports

Subject: Clinical Decision Support (CDS)

AART was enhanced to load the CDS Assessment report faster to improve user experience.

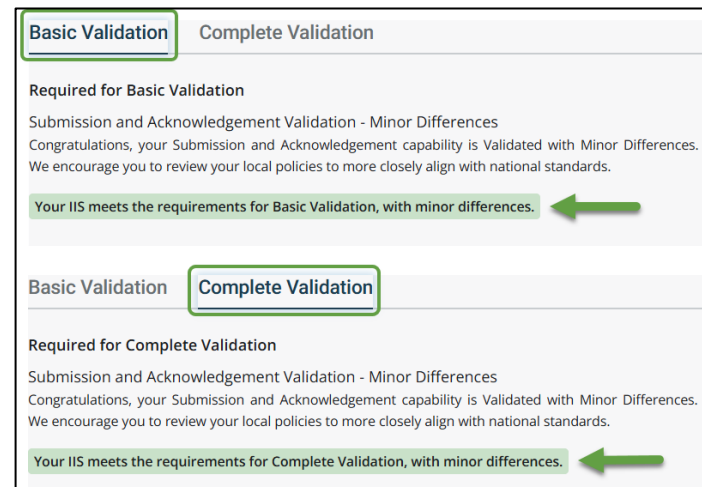


Category: Reports

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.”



Basic Validation Complete Validation

Required for Basic Validation

Submission and Acknowledgement Validation - Minor Differences

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.

Your IIS meets the requirements for Basic Validation, with minor differences. ←

Basic Validation Complete Validation

Required for Complete Validation

Submission and Acknowledgement Validation - Minor Differences

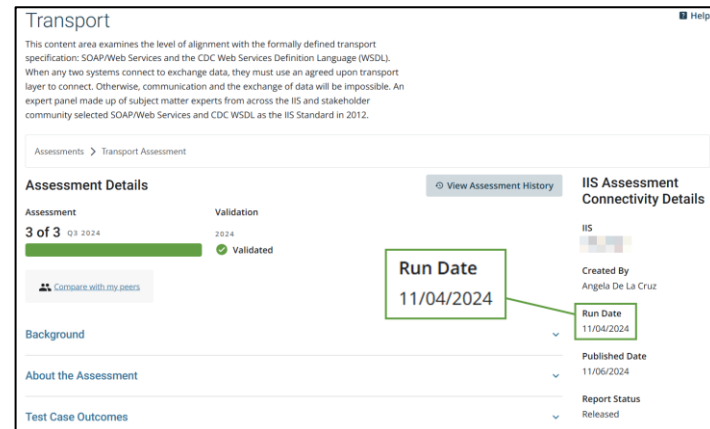
Congratulations, your Submission and Acknowledgement capability is Validated with Minor Differences. We encourage you to review your local policies to more closely align with national standards.

Your IIS meets the requirements for Complete Validation, with minor differences. ←

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.



Category: Reports

Subject: View Only Users

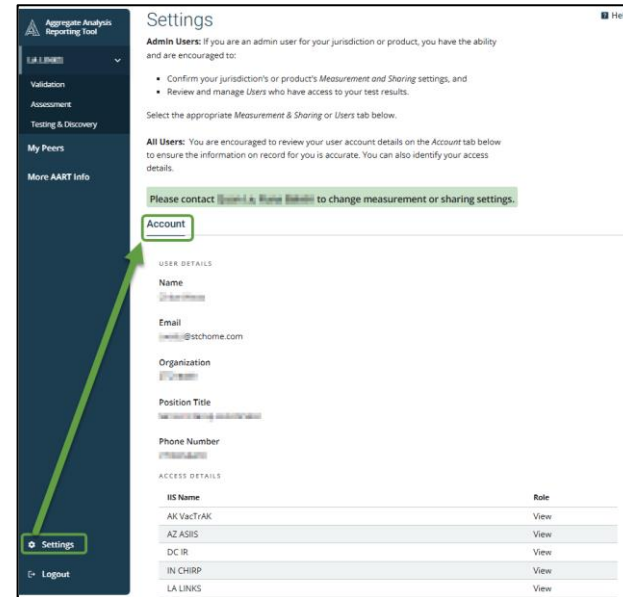
To align with system policies, the *Request New Report* button was removed for users with view only access. This access is typically assigned to non-IIS and organizational staff, such as technology partners, CDC, NIST, or EHR partners.



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.

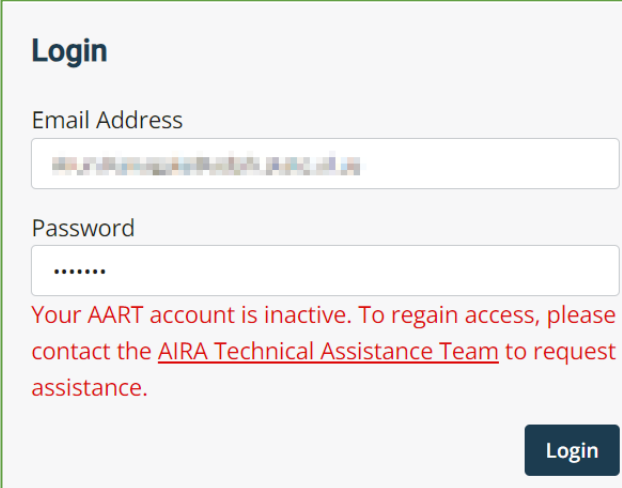
The screenshot shows the 'User Details' form for a user named 'Test - AIRA Project Staff'. The form is divided into two main sections: 'ACCESS SETTINGS' and 'USER DETAILS'. In the 'ACCESS SETTINGS' section, the 'Access Level' is set to 'Admin', and the 'Deactivate' option is selected and highlighted with a green box. The 'USER DETAILS' section contains fields for 'Email', 'Organization', 'Position Title', and 'Phone Number'. At the bottom of the form, there 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.

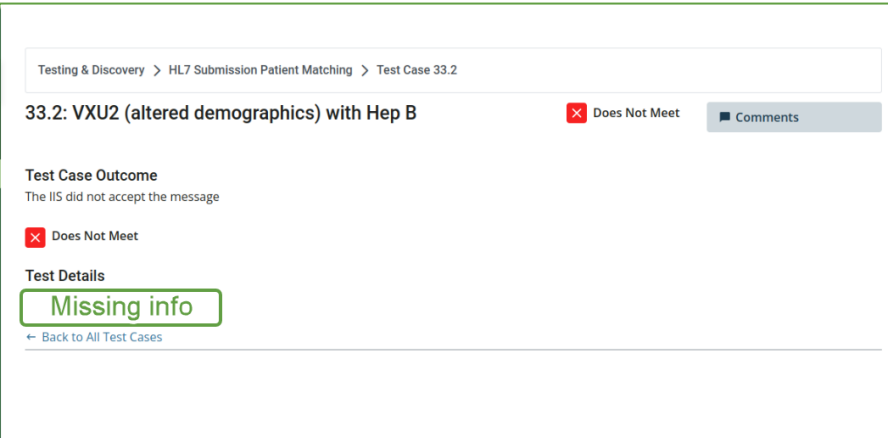


The screenshot shows a login form with the title "Login". It contains two input fields: "Email Address" and "Password". Below the password field, a red error message states: "Your AART account is inactive. To regain access, please contact the [AIRA Technical Assistance Team](#) to request assistance." A dark blue "Login" button is located at the bottom right of the form.

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 screenshot displays a web interface for "Testing & Discovery" under the "HL7 Submission Patient Matching" section, specifically for "Test Case 33.2". The test case is titled "33.2: VXU2 (altered demographics) with Hep B". A red "X" icon and the text "Does Not Meet" indicate a failed test. A "Comments" button is visible. Below the test case title, the "Test Case Outcome" is stated as "The IIS did not accept the message". Another "Does Not Meet" status is shown. Under "Test Details", a green box highlights "Missing info". A link "← Back to All Test Cases" is at the bottom.

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.

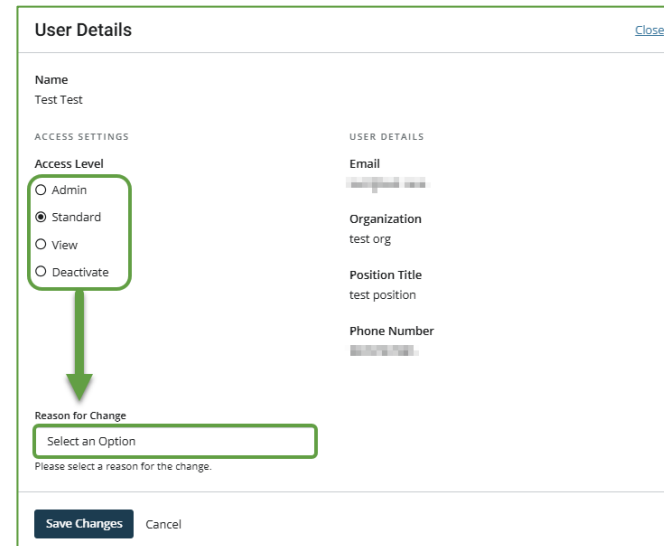


January 2025

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



The screenshot shows the 'User Details' form for a user named 'Test Test'. The form is divided into two main sections: 'ACCESS SETTINGS' and 'USER DETAILS'. In the 'ACCESS SETTINGS' section, the 'Access Level' is set to 'Standard' (indicated by a green circle around the radio button). Below this, a green arrow points to the 'Reason for Change' dropdown menu, which is currently set to 'Select an Option'. The 'USER DETAILS' section on the right includes fields for 'Email', 'Organization' (test org), 'Position Title' (test position), and 'Phone Number'. At the bottom of the form, there are 'Save Changes' and 'Cancel' buttons.