



AIRA

AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION

DAR Grouping Guide

Provider and EHR Vendor

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Purpose

This guide was developed to assist Data at Rest (DAR) participants who wish to segment their data by two or more groups. The use case examples that are covered within this guide assess data quality at the provider organization level and at the electronic health record (EHR) vendor level. As designed, DAR is built for a single group. Therefore, users must employ the additional steps detailed in this guide to produce data that will be arranged by two or more groups.

Run DAR Process

Extract data

Review the [DAR Technical Resources](#), specifically the DAR Extract Specification's immunization extract. Note that within the vaccine extract each line may include a group identifier in the third column. This is where the first group (provider) is to be inserted. The group should be easy to discern at a glance. For example, a facility code to indicate where a vaccine was administered may not provide enough information to readers of a report. Consider concatenating the facility code and name as the group ID as shown in Figure 1.



Pro Tip! Avoid including special characters like tab or apostrophe in your clinic names.

Figure 1. Example immunization extract (tab separated values)

Text Editor View

1	230-2	13 - Family Medicine	[[EX]]
	2025-07-28	0 - [[NC]]	00
	2025-08-11	0 - [[EX]]	00
2	240-3	4 - Hospital	[[EX]]
	2025-09-10	0 - [[VP]]	00
	2024-10-08	0 - [[EX]]	00
3	258-4	8 - Pediatric Clinic	[[EX]]
	2025-05-03	ACA - [[NC]]	00
	2025-05-20	0 - [[EX]]	00
4	83-5	7 - OB/GYN Clinic	[[EX]]
	2025-05-17	0 - [[VP]]	00
5	258-6	6 - Family Medicine	[[EX]]
	2025-04-29	0 - [[VP]]	00
6	36-7	10 - Retail Pharmacy	[[EX]]
	2025-06-08	0 - [[NC]]	00
7	102-8	13 - Family Medicine	[[EX]]

Tabular View

2	1050 - Silver Cross Surgical Pavilion	[[EX]]	[[EX]]	[[VP]]	[[NP]]	166
3	1055 - Everwell Internal Medicine Group	[[EX]]	[[EX]]	[[VP]]	[[VP]]	161
4	1070 - Clearview Diagnostic Imaging Center	[[EX]]	[[EX]]	[[VP]]	[[VP]]	100
5	1030 - Pinecrest Rehabilitation Hospital	[[EX]]	[[EX]]	[[VP]]	[[NP]]	72
6	1010 - Oakwood Family Health Clinic	[[EX]]	[[EX]]	[[VP]]	[[VP]]	86
7	1045 - Brightway Community Health Center	[[EX]]	[[EX]]	[[VP]]	[[VP]]	134
8	1015 - Starlight Children's Hospital	[[EX]]	[[EX]]	[[VP]]	[[VP]]	140
9	1055 - Everwell Internal Medicine Group	[[EX]]	[[EX]]	[[VP]]	[[VP]]	0
10	1040 - Northgate Urgent Care	[[EX]]	[[EX]]	[[VP]]	[[VP]]	135
11	1040 - Northgate Urgent Care	[[EX]]	[[EX]]	[[VP]]	[[VP]]	67
12	1015 - Starlight Children's Hospital	[[EX]]	[[EX]]	[[VP]]	[[VP]]	06
13	1070 - Clearview Diagnostic Imaging Center	[[EX]]	[[EX]]	[[VP]]	[[VP]]	98



Pro Tip! After they are generated, avoid opening your patient or immunization extracts in Excel. You may lose your formatting, especially for dates.

Transform the data

Follow steps indicated within the DAR CLI User Instructions found on the [DAR Technical Resources](#) page to transform the data. In addition to seeing an ADF file that will be uploaded into AART, verify the production of a reporting group file. After successfully extracting the data, you'll find a subfolder within the DAR CLI folder named something similar to "darq-analysis_date time stamp." This folder contains a file named "reporting groups.csv," which is known as the "reporting group file."

Figure 2. Example reporting group file

	A	B
1	Reporting Group	Coded Value (MD5 HASH)
2	1040 - Northgate Urgent Care	40f7367d80a7089bebc82f53eec9e987
3	1015 - Starlight Childrens Hospital	0664533856c9da19b677496f0a4e7088
4	1050 - Silver Cross Surgical Pavilion	1a8cf2754bca73f2c32f16639b5aa98f
5	1075 - Unity Mental Health Services	be9b579ccaf52ca313b5b9eb64ebacd6
6	1045 - Brightway Community Health Center	b7e734c1f9870d51bf4db46b0db2a0e3
7	1035 - Harmony Womens Health Clinic	4fa790b8f7e8f19692d23fbd83b659cc
8	1025 - Lakeside Behavioral Health Center	adb34fae627a74f48e26e9584e83153
9	1055 - Everwell Internal Medicine Group	51cd65333f064232048986c0ce4d9549
10	1020 - Summit Cardiology Institute	be76400098f13f03fb82b5045f13ae39
11	1005 - Riverside Regional Hospital	7c9c8ed09caee577a8ac7db7a260ceb6
12	1030 - Pinecrest Rehabilitation Hospital	5c6b947490e9c2016b99c01eb7be72bc
13	1060 - Meadowbrook Senior Care Facility	2e1d5eee010ab67effdb0b371417f56c
14	1065 - Atlas Orthopedic & Sports Medicine	6aad3e7f014d5bb02c10fb310b3d2103
15	1010 - Oakwood Family Health Clinic	62154cabf97b45df4f8cb79ea5241e77
16	1070 - Clearview Diagnostic Imaging Center	60262fe0fd6d4aae70cac9c48e53ec9c
17	1001 - Green Valley Medical Center	50628156c585e460fea000c6effb18b1

- Open this file in Excel and copy and paste all cells into the “DAR Reporting Groups” sheet of the Sample DAR EHR Breakdown Data.xlsx workbook.
- Trim/remove any leading spaces that appear in columns A and B.
- Drag the VLOOKUP formula in column C down to the last row of data from the reporting-groups.csv.
- *If your IIS has fewer providers, you may need to remove rows from this sheet.*

Upload data to AART

Follow the instructions within the DAR Loading Guide found on the [DAR Technical Resources](#) page to load the data into AART.

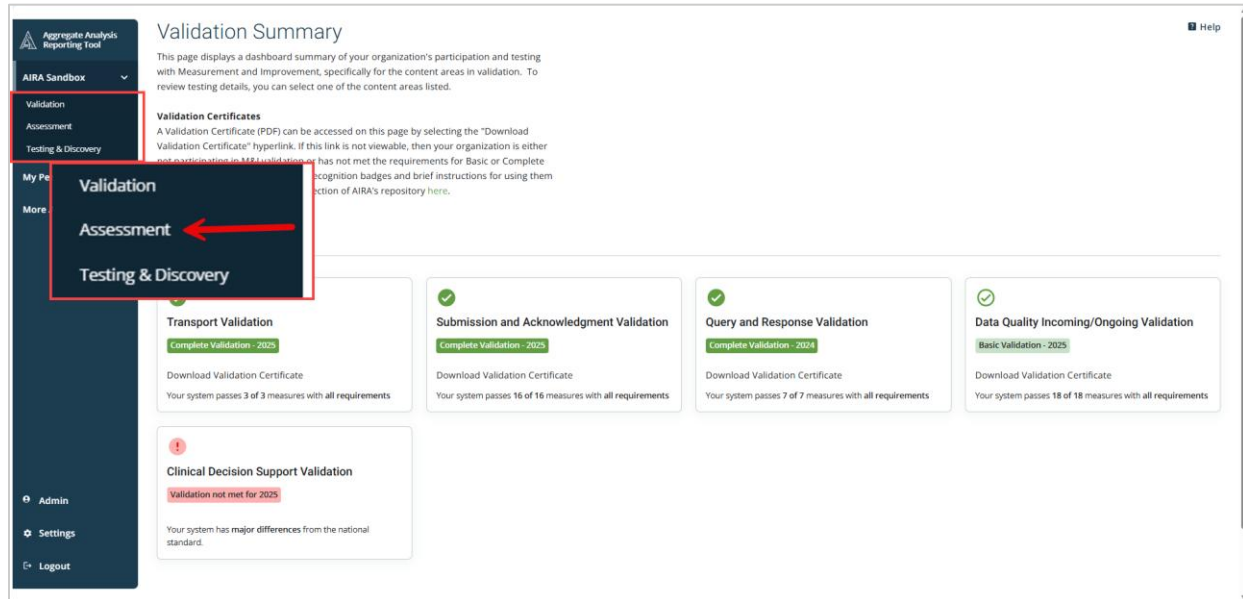
AIRA staff review

After you upload the data to AART, AIRA staff receive an automated email indicating the data are ready for review. AIRA staff will review the data at the IIS-wide level for plausibility and to make sure the data are coded according to the [extract specification](#). If the data seem plausible and are coded correctly, AIRA staff will publish reports in qDAR for IIS user review.

Accessing reports in qDAR

- Log in to [AART](#).
- Click the “Assessment” link. (Fig. 3)

Figure 3. AART Validation screen



- Click the “DAR Assessment” link. (Fig. 4)

Figure 4. AART Assessment screen

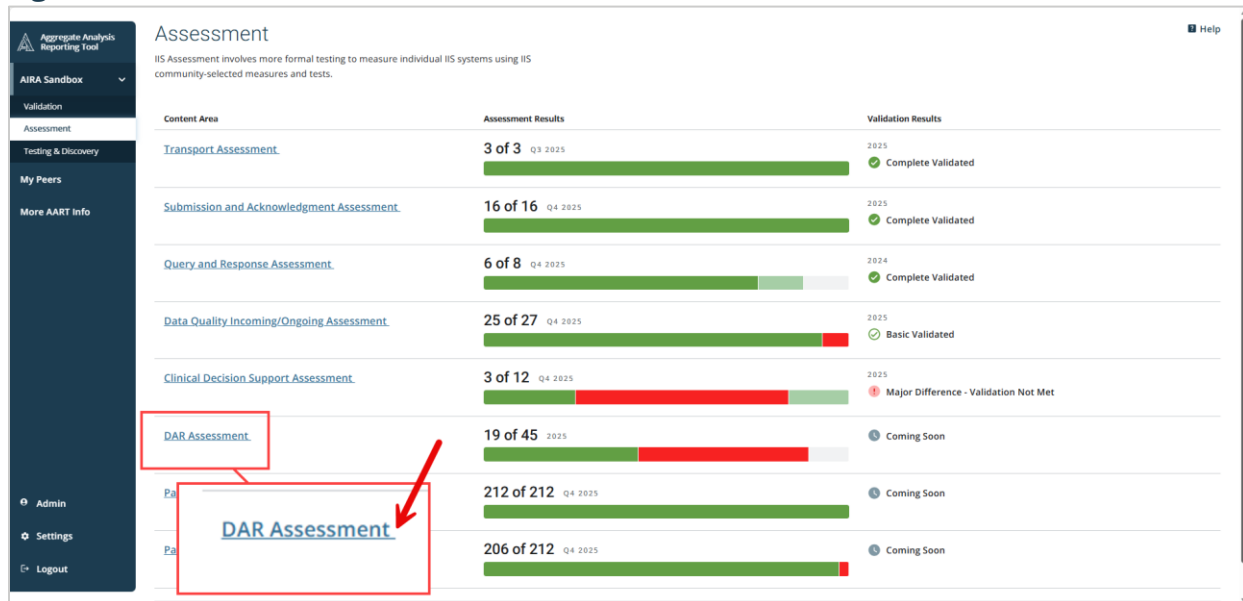
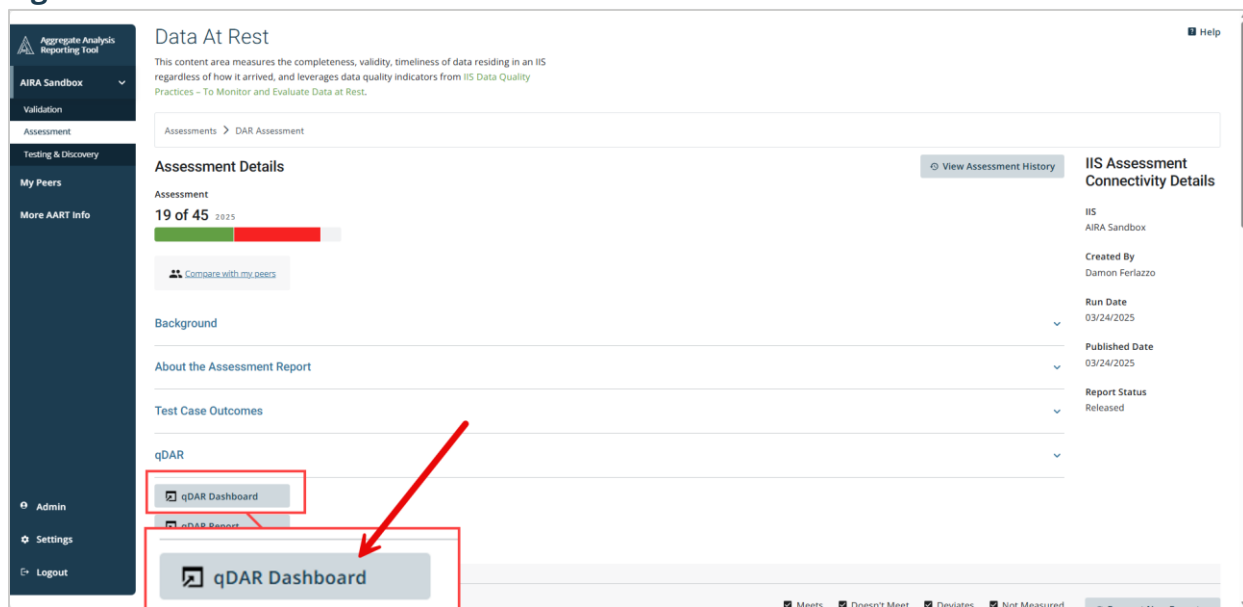
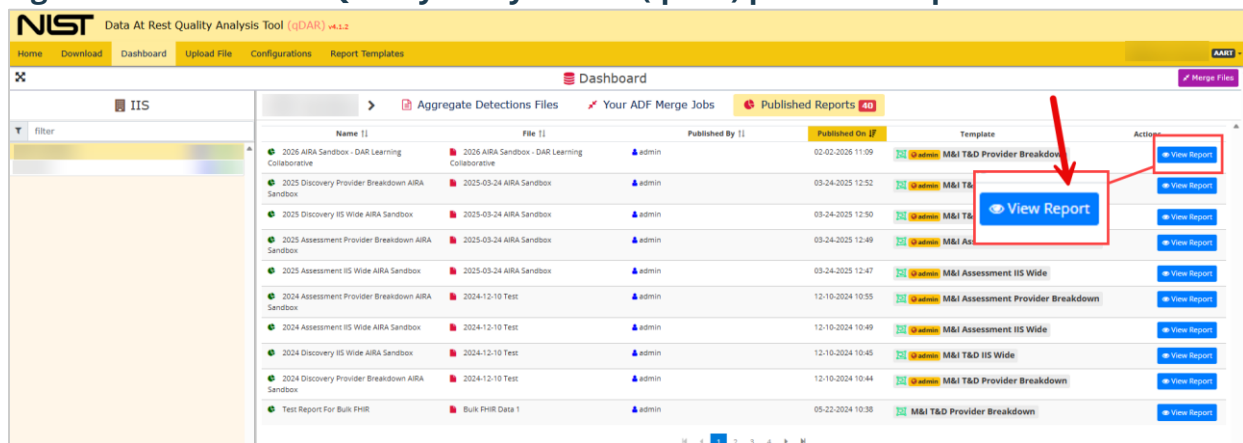


Figure 5. AART Data At Rest screen



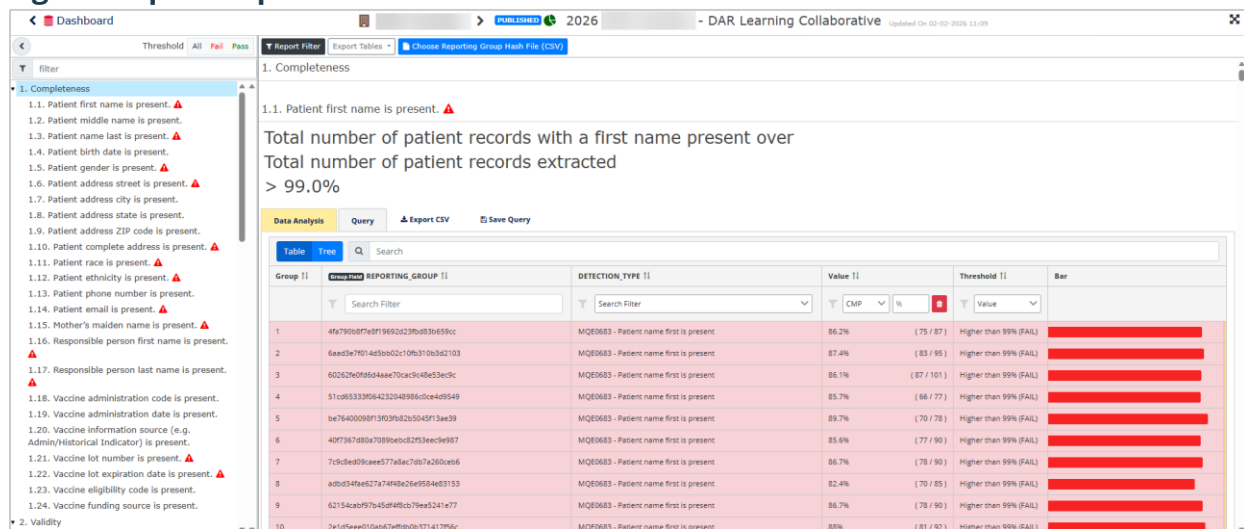
- Click on the “qDAR Dashboard” button. (Fig. 5)
- Click on the report you wish to view. You should select the latest report that uses the M&I T&D Provider Breakdown as the template type. (Fig. 6)

Figure 6. Data At Rest Quality Analysis Tool (qDAR) published report list screen



- The report is then displayed.

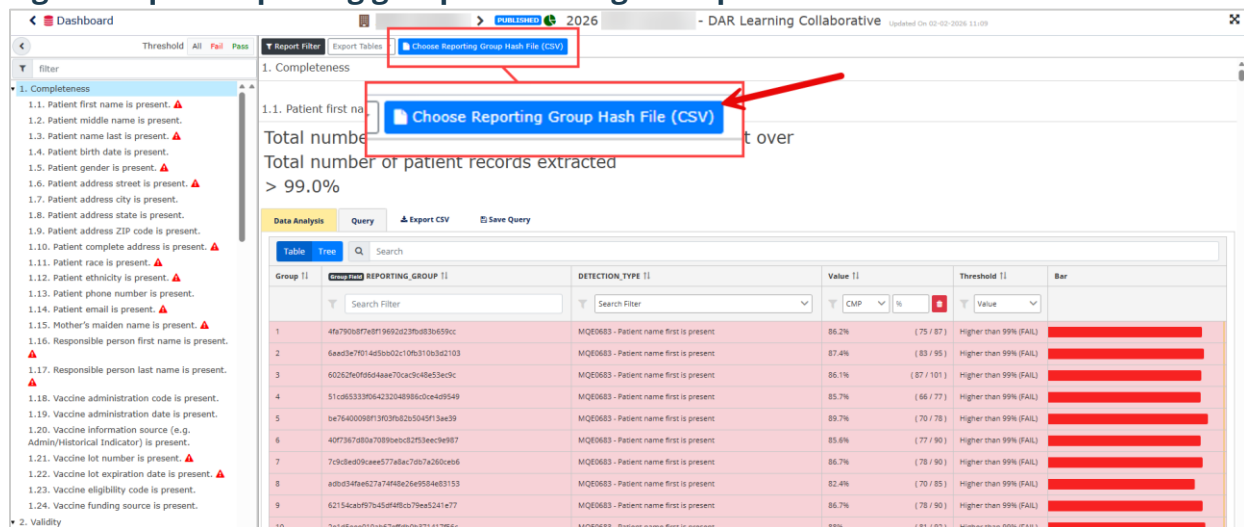
Figure 7. qDAR report screen – hashed IDs



Load reporting group file

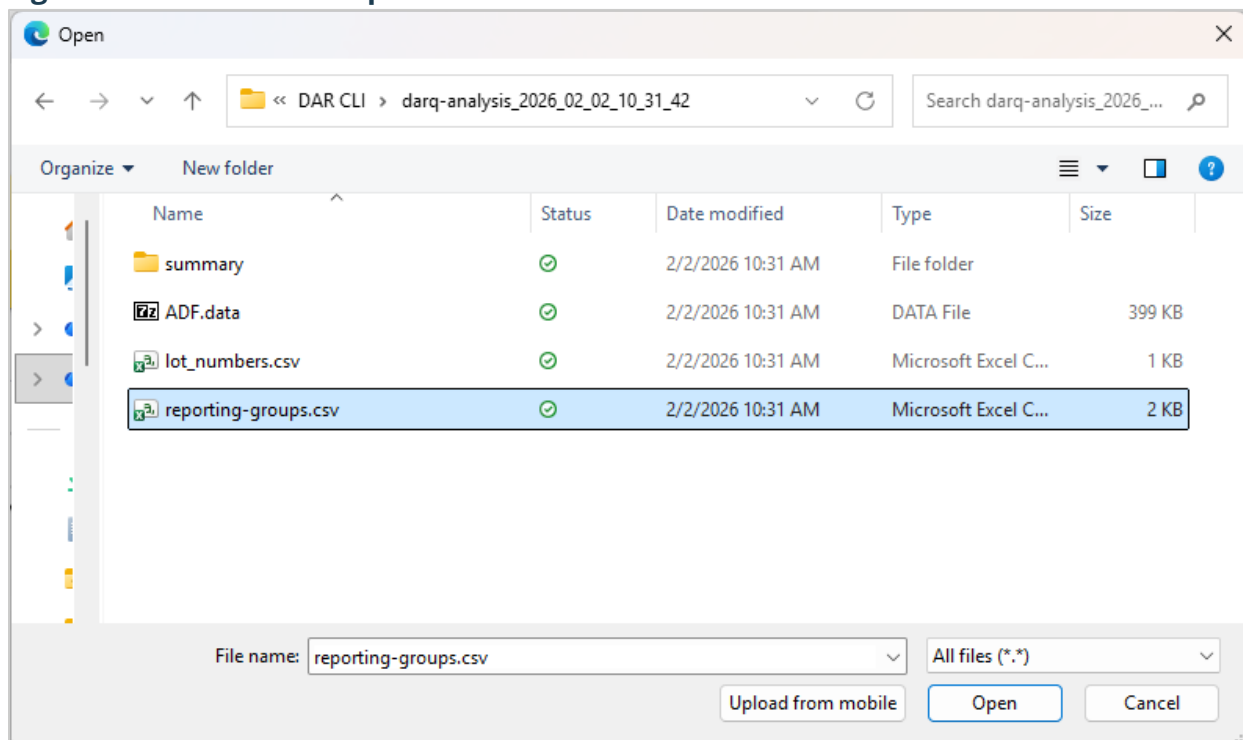
To add facility ID/name to the report, load the reporting group file by clicking on the “Choose Reporting Group Hash File (CSV)” button. (Fig. 8)

Figure 8. qDAR reporting group file loading example



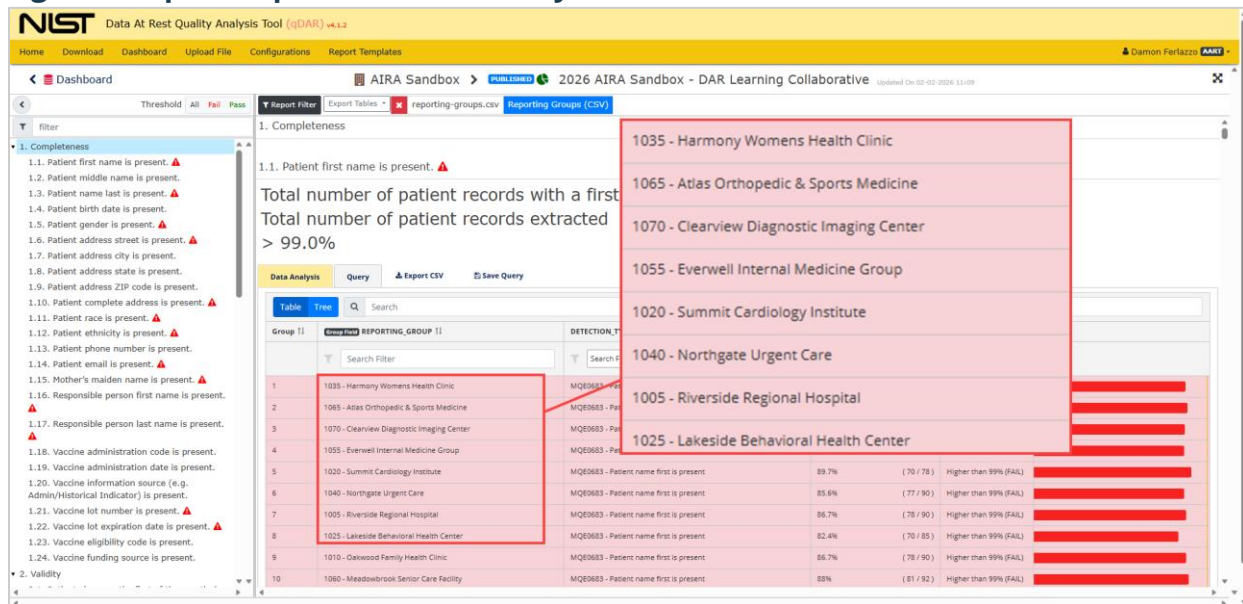
- Select the reporting-groups.csv file and click the “Open” button. (Fig. 9)

Figure 9. Windows file explorer



Note the hashed ID is replaced with the reporting group name.

Figure 10. qDAR report screen – facility names



Export data from qDAR

- Click the “Export Tables” button and then select the “Export Merged Tables (CSV).” (Fig. 11)

Figure 11. qDAR report export options

The screenshot shows the qDAR interface with the 'Export Tables' button highlighted. A dropdown menu is open, showing two options: 'Export All Tables (ZIP)' and 'Export Merged Tables (CSV)'. The 'Export Merged Tables (CSV)' option is selected, indicated by a red arrow. The background shows a report for '1.1. Patient first name is present.' with a table of data.

Group	REPORTING_GROUP	DETECTION_TYPE	Value
1	1035 - Harmony Womens Health Clinic	MQE0683 - Patient name first is present	86.2% (75 / 87)
2	1065 - Atlas Orthopedic & Sports Medicine	MQE0683 - Patient name first is present	87.4% (83 / 95)
3	1070 - Clearview Diagnostic Imaging Center	MQE0683 - Patient name first is present	86.1% (87 / 101)
4	1055 - Everwell Internal Medicine Group	MQE0683 - Patient name first is present	85.7% (66 / 77)

- Click the first checkbox and then click the “Select All” button. (Fig. 12)

Figure 12. qDAR detection export selection screen view 1

The screenshot shows the 'Report Export' screen. A table lists detection items with checkboxes for selection. The first checkbox is selected, indicated by a red arrow. The 'Select All' button is highlighted with a blue arrow. The table has columns for 'Table ID', 'GROUP_ID', 'GROUP_FIELD:PROVIDER', and 'FIELD:DETECTION'.

Table ID	GROUP_ID	GROUP_FIELD:PROVIDER	FIELD:DETECTION
☒ 1.1.Patient first name is present.	GROUP_ID	GROUP_FIELD:PROVIDER	FIELD:DETECTION
☐ 1.2.Patient middle name is present.	GROUP_ID	GROUP_FIELD:PROVIDER	FIELD:DETECTION
☐ 1.3.Patient name last is present.	GROUP_ID	GROUP_FIELD:PROVIDER	FIELD:DETECTION
☐ 1.4.Patient birth date is present.	GROUP_ID	GROUP_FIELD:PROVIDER	FIELD:DETECTION
☐ 1.5.Patient gender is present.	GROUP_ID	GROUP_FIELD:PROVIDER	FIELD:DETECTION

Showing 1 to 5 of 55 entries

Note that 55 tables are selected and then click the “Export” button. (Fig. 13)

Figure 13. qDAR detection export selection screen view 2

Report Export

Selected Tables 53

1.1. Patient first name is present.

1.2. Patient middle name is present.

1.3. Patient name last is present.

1.4. Patient birth date is present.

1.5. Patient gender is present.

1.6. Patient address street is present.

1.7. Patient address city is present.

1.8. Patient address state is present.

1.9. Patient address ZIP code is present.

1.10. Patient complete address is present.

1.11. Patient race is present.

1.12. Patient ethnicity is present.

1.13. Patient phone number is present.

1.14. Patient email is present.

1.15. Mother's maiden name is present.

1.16. Responsible person first name is present.

1.17. Responsible person last name is present.

1.18. Vaccine administration code is present.

1.19. Vaccine administration date is present.

1.20. Vaccine information source (e.g. Admin/Historical Indicator) is present.

Selected Tables 55

Cancel Export

Cancel Export

- The data are saved to your browser's default download folder in a file named "merged_tables.csv."
- Open the Sample DAR EHR Breakdown Data.xlsx workbook in another window.
- Copy the contents of merged_tables.csv.
- Paste cells into the "Provider Rates" sheet of the Sample DAR EHR Breakdown Data.xlsx workbook.
- Add the EHR vendor by dragging the formula in K2 all the way to the last row in the sheet.

Using the Sample Workbook

The remaining instructions are all performed within the Sample DAR EHR Breakdown Data.xlsx workbook.

Load crosswalk into workbook

To add additional information (e.g., EHR vendor) for analysis, a crosswalk must be developed in Excel. The crosswalk must contain the same provider ID information as in the reporting group file and the additional information desired. See the example below in Figure 15.

Figure 14. Example crosswalk

	A	B	C
1	Provider Facility ID - Name	EHR Vendor	Type
2	1001 - Green Valley Medical Center	Pharmworx	Pharmacy
3	1005 - Riverside Regional Hospital	Meditech	Hospital
4	1010 - Oakwood Family Health Clinic	Elation	Ambulatory Clinic
5	1015 - Starlight Childrens Hospital	Epic	Hospital
6	1020 - Summit Cardiology Institute	Epic	Ambulatory Clinic
7	1025 - Lakeside Behavioral Health Center	Oracle	Hospital
8	1030 - Pinecrest Rehabilitation Hospital	NextGen	Hospital
9	1035 - Harmony Womens Health Clinic	Elation	Ambulatory Clinic
10	1040 - Northgate Urgent Care	Oracle	Ambulatory Clinic
11	1045 - Brightway Community Health Center	eClinicalWorks	Ambulatory Clinic
12	1050 - Silver Cross Surgical Pavilion	Pharmworx	Pharmacy
13	1055 - Everwell Internal Medicine Group	Epic	Ambulatory Clinic
14	1060 - Meadowbrook Senior Care Facility	Athena	Ambulatory Clinic
15	1065 - Atlas Orthopedic & Sports Medicine	Medtracker	Pharmacy
16	1070 - Clearview Diagnostic Imaging Center	Practice Better	Ambulatory Clinic
17	1075 - Unity Mental Health Services	Oracle	Ambulatory Clinic

This example crosswalk will allow data to be aggregated by EHR vendor and/or provider type. It will later be joined with data exported from qDAR.

- Open the crosswalk file in Excel and copy its contents.
- Paste the contents into the “Provider-EHR crosswalk” sheet of the Sample DAR EHR Breakdown Data.xlsx workbook.
 - This sheet will be used within lookup formulas in other sheets to include provider and EHR vendor information.
- After pasting the provider crosswalk, reconcile the names of EHRs to be consistent within the jurisdiction. For example, if both “EPIC” and “Epic” exist in the list, rename instances of “EPIC” to “Epic.”

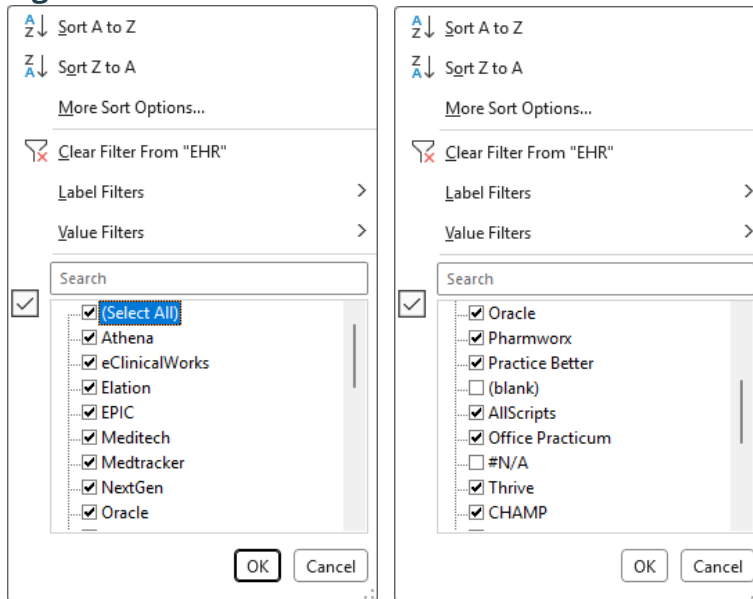
Prepare the DAR Reporting Groups worksheet

- Copy the contents from the reporting-groups.csv file into columns A and B of the “DAR Reporting Groups” sheet.
- Trim/remove any leading spaces that appear in column A.
- Drag the VLOOKUP formula in column C down to the last row of data from the reporting-groups.csv. If your IIS has fewer providers, you may need to remove rows from this sheet.

Prepare the Unique EHRs worksheet

Select the **"Unique EHRs"** sheet. Update its filter to display all EHRs except "blank" or "#N/A."

Figure 15. Pivot table filter



Prepare the Provider Rates worksheet

Select the **"Provider Rates"** sheet. Add the EHR vendor by dragging the formula in K2 all the way to the last row in the sheet.

Prepare the EHR-Patient Count worksheet

- Select the **"EHR-Patient Count"** sheet.
- Refresh the pivot table by right-clicking it and selecting "Refresh."

Figure 16. Pivot table refresh

FIELD:DETECTION	EHR	Patients	Count of TABLE_ID
MQE0684 - Patient name	Athena	126	1
MQE0684 - Patient name	EPIC	22,878	111
MQE0684 - Patient name	Meditech	1,785	4
MQE0684 - Patient name	NextGen	15	5
MQE0684 - Patient name	Cerner	4,218	8
MQE0684 - Patient name	Allscripts	635	6
MQE0684 - Patient name	Office Practicum		
MQE0684 - Patient name	CHAMP		
MQE0684 - Patient name	Thrive		
MQE0684 - Patient name	Patagonia Health		
MQE0684 - Patient name	Greenway Prime		
MQE0684 - Patient name	RPMS		
MQE0684 - Patient name	Oracle/ Federal		
MQE0684 - Patient name	Elation Health		
MQE0684 - Patient name	Outcomes		
MQE0684 - Patient name	No EHR Specified		

- Drag the formulas in K2:M2 down to the last row where data appear in A:D.
- Adjust the tree chart's source to reflect data in K:L.

Prepare the Rate Calculations worksheet

- Select the **"Rate Calculations"** sheet.
- Drag the formulas in I2:Z2 down to the last row where data appear in A:D.

Prepare the Rates Long worksheet

- Select the **"Rates Long"** sheet.
- Refresh the pivot table by right-clicking it and selecting "Refresh."
- Adjust the filter in A4 to display all EHRs except "blank" or "#N/A."

Prepare the Rank worksheet

- Select the **"Rank"** sheet.
- Refresh the pivot table by right-clicking it and selecting "Refresh."
- Adjust the filter in A4 to display all EHRs except "blank" or "#N/A."
- Drag the formulas in D3:H3 down to the last row where data appear in A:B.

Prepare the IIS-Wide Rates worksheet

- Select the **"IIS-Wide Rates"** sheet.
- Drag the formulas in G4:L4 down to the last row where data appear in A:C. *Note: this may already be done.*

Prepare the Report Card worksheet

- Select the **"Report Card"** sheet. (Fig. 17)
- Adjust the data validation rules in C1 by first clicking on C1 (1).
- Select the Data tab (2).
- Click the "Data Validation" menu (3).
- Then click on "Data Validation..." (4).

Figure 17. Report card validation part 1

The screenshot shows the Excel interface with the Data tab selected. The Data Validation dropdown menu is open, showing options like 'Data Validation...', 'Circle Invalid Data', and 'Clear Validation Circles'. Red callouts 1-4 indicate the steps to access the Data Validation dialog. A yellow box highlights cell C1, which contains the text 'No EHR Specified'. A yellow arrow points from cell C1 to a yellow box containing the text 'Adjust data validation to match Unique EHR sheet'.

Measure	Result	Thresho
Number Name	Rate	Criteria
1.01 First Name	100.0%	GT 99%
1.02 Middle Name	89.8%	GT 75%
1.03 Last Name	100.0%	GT 99%
1.04 Birth Date	100.0%	GT 99%
1.05 Gender	100.0%	GT 99%
1.06 Street Address	99.8%	GT 85%
1.07 City	100.0%	GT 85%
1.08 State	100.0%	GT 85%
1.09 ZIP Code	100.0%	GT 85%
1.10 Address is present	99.8%	GT 85%
1.11 Race	100.0%	GT 95%

Update the source by clicking the underlined arrow and then selecting the entire list of unique EHRs.

Figure 18. Report card validation part 2

The screenshot shows the 'Data Validation' dialog box with the 'Settings' tab selected. Under 'Validation criteria', the 'Allow' dropdown is set to 'List'. The 'Data' dropdown is set to 'between'. The 'Source' field contains the formula '=Unique EHRs'!\$A\$4:\$A\$20'. A red arrow points to the small arrow icon at the end of the formula bar, indicating where to click to select the data range.

Figure 19. Report card validation part 3

The screenshot shows an Excel spreadsheet with a list of EHR providers in column A. A red arrow points to the 'Data Validation' dialog box, which is open over the list. The dialog box shows the 'Source' field with the formula '=Unique EHRs'!\$A\$4:\$A\$20'. The list of EHR providers includes: Athena, EPIC, Meditech, NextGen, AllScripts, Office Practicum, Thrive, CHAMP, Greenway Prime, Patagonia Health, Oracle/ Federal EHR, Cerner, Elation Health, eCW, Outcomes, RPMS, and No EHR Specified.

To generate an EHR vendor's report card, click on cell C1 and change the EHR value.

Figure 20. Report card generation

	A	B	C	D	E	F	G	H	I	J	K	L	M
1		EHR:	Athena	Select EHR from Dropdown							Patients	55	
2											Providers	5	
3											Point Rank	8 of 13	
4		Measure		Result	Threshold		Comparisons						
5		Number	Name	Rate	Criteria	Evaluation	Min.	Mean	Median	Max.	IIS Wide	Evaluation	
6		1.01	First Name	100.0%	GT 99%	Meets	100%	100%	100%	100%	100%	Same	
7		1.02	Middle Name	80.0%	GT 75%	Meets	0%	80%	87%	100%	87%	Worse	
8		1.03	Last Name	100.0%	GT 99%	Meets	100%	100%	100%	100%	100%	Same	

This completes the steps to generate a report card by EHR vendor group.

Using the EHR Data Quality Workbook

This section explains how to use the EHR Data Quality Workbook to analyze, score, and summarize EHR vendor performance. The steps below are presented in the order they are typically completed.

Key takeaway: Most analysis happens in the “Rate Calculations” sheet, while the “Report Card” sheet is intended for sharing results with key partners.

Review workbook structure

The EHR Data Quality Workbook contains 15 worksheets. While many of these worksheets support calculations, lookups, or pivot tables, most users will focus on two primary worksheets:

- *Rate Calculations* – used to analyze EHR performance and calculate measure-level rates
- *Report Card* – used to summarize and share results for a specific EHR vendor

Brief descriptions of all worksheets are available in the “Contents” section of the workbook.

Analyze EHR performance

Use the “Rate Calculations” sheet to explore data quality results at the measure and EHR level.

In this worksheet you can:

- Filter or sort results by:
 - Measure
 - EHR vendor
 - Patient population size
- Identify:
 - EHRs with large patient volumes
 - Measures where performance is strong or weak
 - EHRs that meet or fail to meet established thresholds

Example use case:

Identify all EHRs with at least 1,000 patients and review their performance on the “Middle Name Completeness” measure (1.02).

I	J	K	L	M	N
FIELD:DETECTION	EHR	Mea	Sum of NUME	Patients	Rates
MQE0685 - Patient middle name is present	EPIC	1.02	20052	22878	87.6%
MQE0685 - Patient middle name is present	Meditech	1.02	1481	1785	83.0%
MQE0685 - Patient middle name is present	Cerner	1.02	3843	4218	91.1%

Understand measure classifications and thresholds

Each measure is classified in the “Measures” sheet as one of the following:

- Basic – Essential for IIS primary functions (e.g., first and last name)
- Complete – Helpful but not essential (e.g., middle name)
- Neither – Useful but not classified as basic or complete

These default classifications align with the proposed [DAR validation measures](#) under review by the IIS community in spring 2026. Classifications can be modified if needed.

In the “Working Pivot 1” sheet, additional columns are used to:

- Evaluate whether each measure meets its threshold
- Compare EHR performance to IIS-wide performance
- Determine whether an EHR performs better than, worse than, or the same as the IIS overall

Review and configure point values (optional)

If scoring is being used, review the “Point Values” sheet to understand or adjust how points are awarded.

Default point values are:

- Basic measure met: 1.00 point
- Complete measure met: 0.75 point
- Neither measure met: 0.50 point
- Did not meet threshold but exceeded IIS performance: 0.25 point

These point values are mutually exclusive and configurable. Changes here automatically affect scoring calculations in other worksheets.

Review Report Card worksheet summary

Use the “**Report Card**” sheet to view a summarized performance report for a single EHR vendor.

To use the Report Card:

1. Select the EHR vendor of interest from the dropdown at the top of the worksheet.
2. Review:
 - Measure-level result rates
 - Threshold expectations (e.g., greater than or less than)
 - Comparison statistics across all EHRs (minimum, mean, median, maximum)
 - IIS-wide performance
3. Identify measures where the selected EHR underperforms relative to:
 - Thresholds
 - The IIS overall

Example:

If the expectation is that more than 90% of patients have an email address but the EHR’s result rate is 46%, the measure does not meet expectations and will be clearly indicated in the Report Card.

EHR:		EPIC			 Select EHR from Dropdown		Patients		22,878		
							Point Rank		10 of 17		
Completeness	Measure		Result		Threshold		Comparisons				
	Number	Name	Rate	Criteria	Evaluation	Min.	Mean	Media	Max.	IIS Wide	Evaluation
	1.01	First Name	100.0%	GT 99%	Meets	100%	100%	100%	100%	100%	Same
	1.02	Middle Name	87.6%	GT 75%	Meets	0%	67%	80%	93%	87%	Better
	1.03	Last Name	100.0%	GT 99%	Meets	100%	100%	100%	100%	100%	Same
	1.04	Birth Date	100.0%	GT 99%	Meets	100%	100%	100%	100%	100%	Same
	1.05	Gender	100.0%	GT 99%	Meets	100%	100%	100%	100%	100%	Same
	1.06	Street Address	100.0%	GT 85%	Meets	100%	100%	100%	100%	100%	Better
	1.07	City	100.0%	GT 85%	Meets	97%	100%	100%	100%	100%	Better
	1.08	State	100.0%	GT 85%	Meets	100%	100%	100%	100%	100%	Same
	1.09	ZIP Code	100.0%	GT 85%	Meets	100%	100%	100%	100%	100%	Worse
	1.10	Address is present	100.0%	GT 85%	Meets	97%	100%	100%	100%	100%	Better
	1.11	Race	100.0%	GT 95%	Meets	100%	100%	100%	100%	100%	Same
	1.12	Ethnicity	100.0%	GT 95%	Meets	100%	100%	100%	100%	100%	Same
	1.13	Phone	98.6%	GT 90%	Meets	56%	96%	99%	100%	99%	Worse
1.14	Email	46.0%	GT 90%	Does not meet	0%	53%	47%	100%	49%	Worse	

This view helps identify specific measures where a large EHR vendor is underperforming relative to both thresholds and the IIS overall.

Review high-level comparisons in the Rank worksheet

The “**Rank**” worksheet provides a high-level comparison of EHR vendors by:

- Overall data quality score
- Patient population size

This worksheet is useful for identifying:

- Large EHR vendors with significant opportunities for improvement
- EHRs that perform well despite smaller populations

Row Labels	Sum of Awarded Points	Points Rank	Patients	Patient Rank
Athena	4	7	126	9
EPIC	3.5	10	22,878	1
Meditech	5	2	1,785	3
NextGen	3.75	9	15	13
Cerner	4.5	4	4,218	2
Allscripts	5.25	1	635	4
Office Practicum	4	7	65	10
CHAMP	3.25	14	382	7
Thrive	3.5	10	14	14
Patagonia Health	3.5	10	420	6
Greenway Prime	4.5	4	29	12
RPMS	4.75	3	335	8
Oracle/ Federal EHR	2.5	17	32	11
Elation Health	4.25	6	9	15
eCW	3.25	14	5	16
Outcomes	3.25	14	4	17
Unknown	3.5	10	537	5

Share results with key partners

Once analysis is complete:

- Use the “Report Card” sheet to communicate findings.
- Export or convert the Report Card to a PDF as needed.
- Focus discussions on specific measures where improvement will have the greatest impact.