

# THE AGGREGATE ANALYSIS REPORTING TOOL (AART)

AIRA Discovery Session  
August 1, 2016  
4pm Eastern

# OVERVIEW

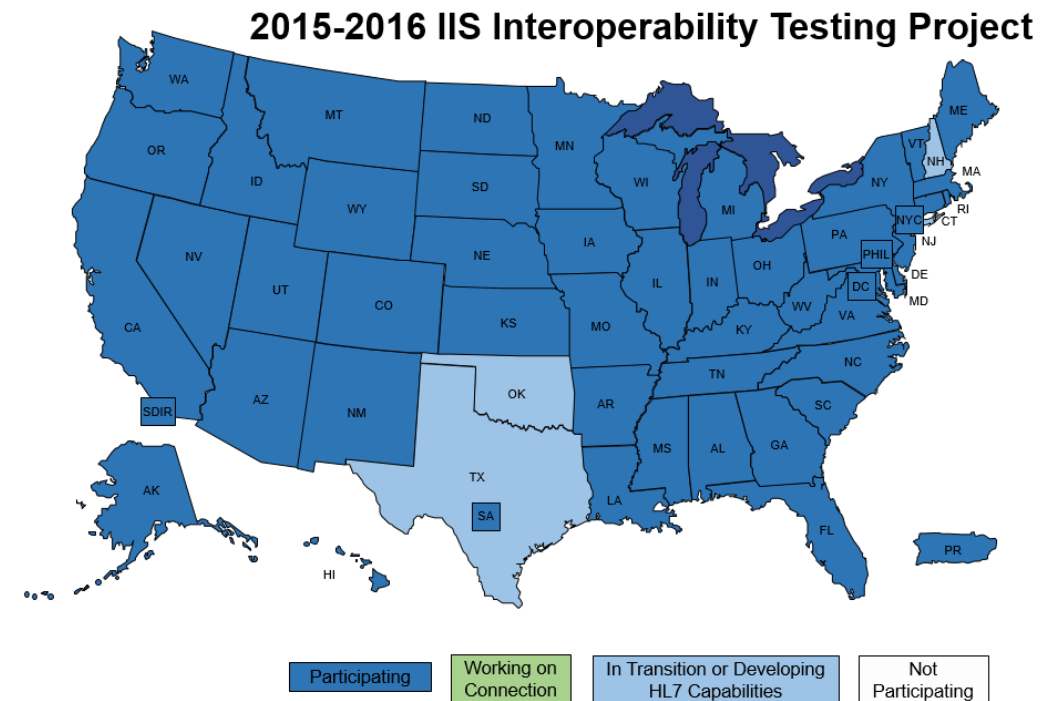
IIS Assessment: Our Approach and Status

The Aggregate Analysis Reporting Tool, or AART— Nathan Bunker

Questions, Comments and Discussion



- A community -driven approach will help determine a clearer picture of status and priorities in standards alignment for the full IIS network of systems
- Prioritization will help us provide directed Technical Assistance and advocate for resources to support changes that may be needed



# WHO IS CREATING THE MEASURES?

THE MEASUREMENT FOR ASSESSMENT AND CERTIFICATION ADVISORY WORKGROUP (MACAW):

## IIS/Imm Program Staff

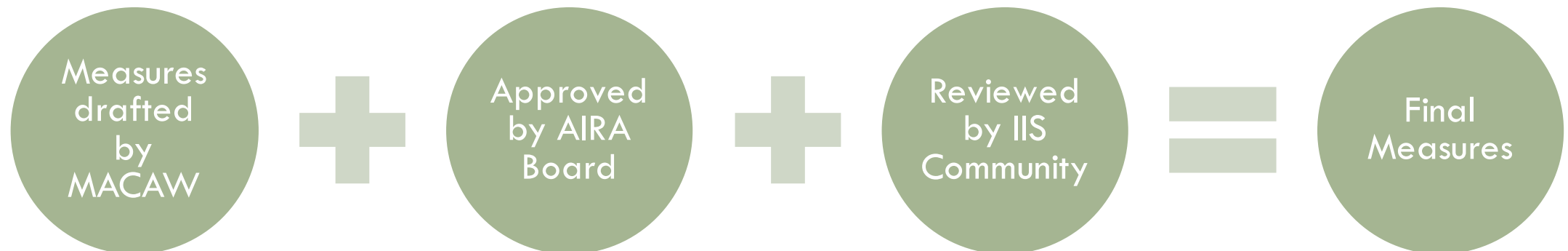
- Arizona – Dana Goodloe
- Michigan – Wendy Nye
- Minnesota – Aaron Bieringer
- Nebraska – Scott Benedict
- Nevada – Jane Lammers
- New York City – Amy Metroka

## IIS Vendor Representatives

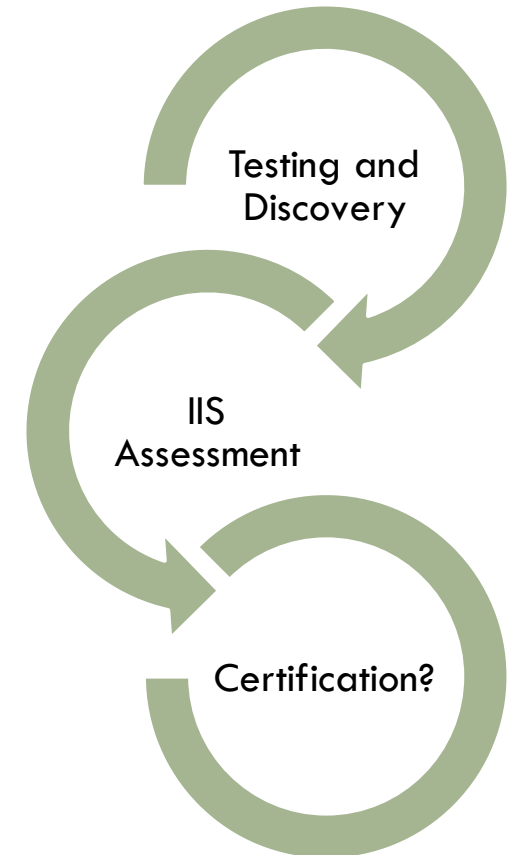
- Envision – Kevin Snow
- HPE – Eric Schuh
- STC – Brandy Altstadter

## Partners

- CDC - Laura Pabst
- IHS - Amy Groom
- NIST – Rob Snelick



# A PHASED APPROACH — DRAFT PHASES



## Recap – IIS Assessment Measure and Tests - **Transport**

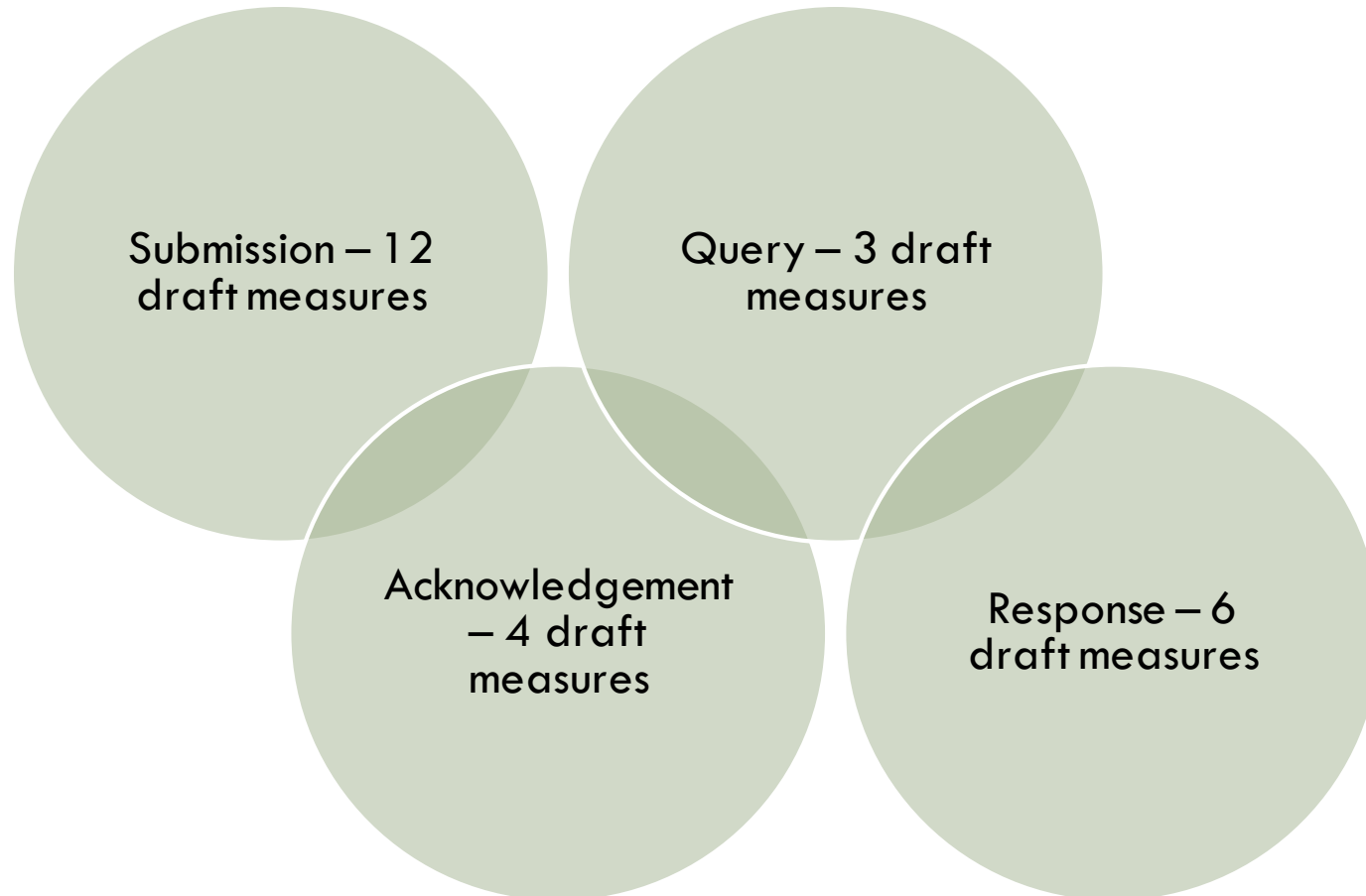
1) The IIS supports the SOAP Standard Interface 1.2 specification, Web Services Definition Language (WSDL), as endorsed by the CDC.

1 a) The IIS shall implement the Connectivity Test Operation

1 b) The IIS shall implement the Submit Single Message Operation

1 c) The IIS shall have the ability to throw a Security Fault

## Upcoming Attractions – IIS Assessment Measure and Tests – **Submission/Acknowledgement and Query/Response**

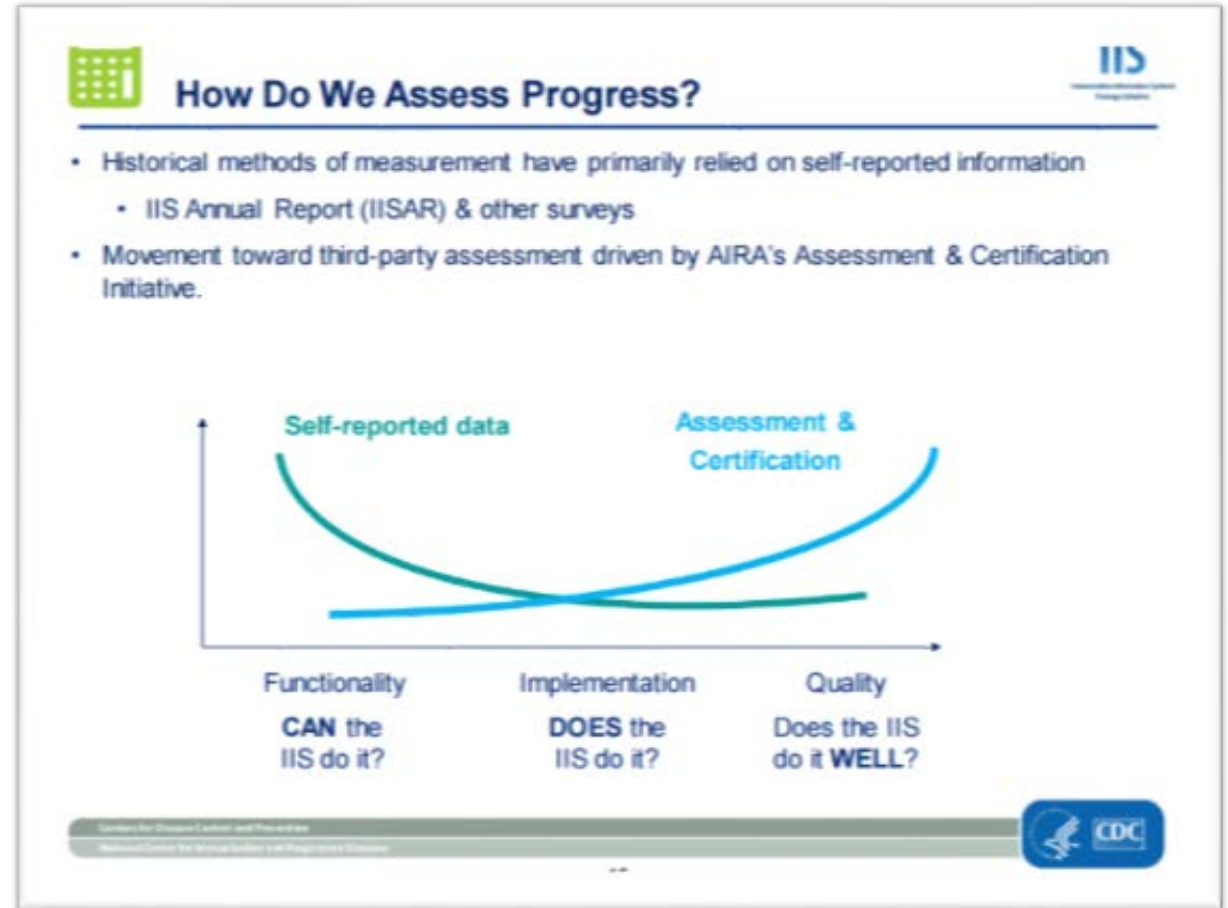


# HOW DOES THIS WORK WITH EXISTING MEASUREMENT?

Currently, the IIS community has many self-report measures

As independent measures are available, they provide a lower-burden, more uniform methodology for assessing IIS performance

Independent measures are meant to be compared – so IIS can get a sense of where they stand in relation to the full community

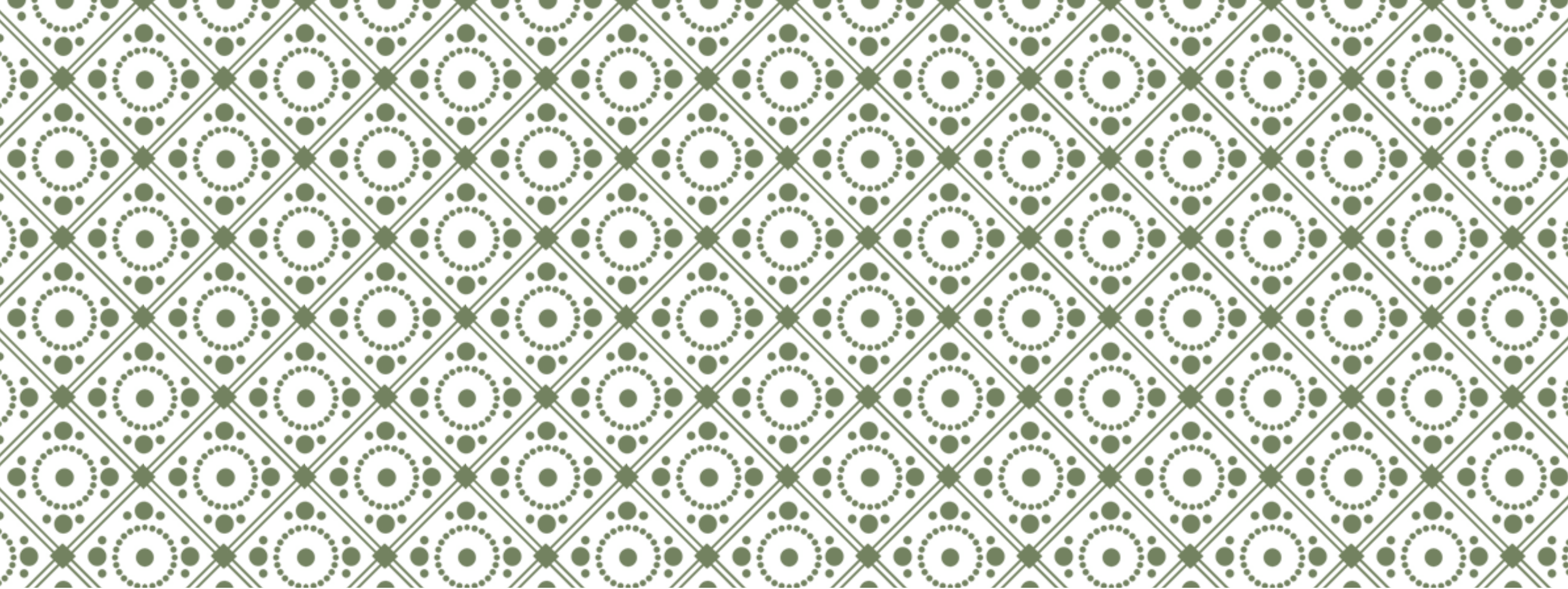


# TODAY'S SPEAKERS:





**PLEASE SAVE QUESTIONS/COMMENTS UNTIL THE END...**



# PARTICIPATION & SHARING IN AART

How to indicate how your IIS will participate and share with the community

# PARTICIPATION

## Originally AART:

- Defined to hold only one report for initial Discovery and Testing
- Participation was gathered by AIRA staff

## New in AART:

- Multiple types of reports will be supported, for example:
  - IIS Testing and Discover
  - Transport Assessment (coming soon)
  - Submission/Acknowledgement Assessment (coming later)
- New user roles created
  - Admin: Indicate preferences for a report
  - Staff: Part of IIS program and able to manage report generally
  - View: Not part of IIS program but can see report (e.g. vendor)
- IIS administrators can indicate and manage participation directly in AART

# PARTICIPATION

## Who should participate?

- AIRA is looking for 100% participation
- Including IIS that do not yet support standard in report

## What does participation mean to an IIS?

- The status of their IIS for a particular standard is included in the aggregate report

## IIS Admin responsibilities:

- When a new type of report is created the admin must indicate
  - Participation settings
  - Sharing settings
- When an AART user requests specific access (such as the IIS vendor)
  - Communicate with AIRA by email which users should be given Staff or View access to IIS reports
- Review high level reports to understand the areas that AIRA is measuring

# PARTICIPATION

## Indicating participation

- IIS admin logs into AART
- Above the report will be a list of reports and current participation
- IIS admin must select report that is highlighted in yellow
- IIS admin can indicate one of the three:
  - Yes
  - Yes – Manual
  - No
- Ask questions or pose concerns
- Participation can be changed at any time

## Report Participation Settings

Use the table below to indicate participation in the Transport Assessment report.

Participation Settings	
Description	Permission
Yes, include my pre-production system. Please contact me for credentials.	<input type="radio"/> Yes
Yes, but my IIS doe snot have a SOAP/WSDL available for testing; please contact me to discuss manual/alternate participation.	<input type="radio"/> Yes - Manual
No, I do not chose to participate.	<input type="radio"/> No
Do you have any questions or concerns? We would like to hear from you!	
<div></div>	
<div>Update Participation Settings</div>	

# SHARING

If the IIS admin indicates that the IIS will participate then the Global Sharing settings are shown

## Global Sharing Settings for this Report

Use the table below to designate what type of users you want to share your report results with and what specifically you want to share. Reminder: These settings will only be valid for this specific report. If you only want to give specific users access to your results, you need to select "No" and then contact AIRA to add specific users for you.

Sharing Settings			
AART User Role	Yes - Named	Yes - Unnamed	No
All other IIS programs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
All IIS vendors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CDC or NIST Technical Staff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
All EHR vendors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do you have any questions or concerns? We would like to hear from you!			
<div></div>			
<div>Update Sharing Settings</div>			

## Easy to read report

- Shape with focus areas

## Click and explore details

- User can drill down to the actual test message

## Compare with other IIS

- By aggregate
- By measure
- By test case

## Explore other IIS

- Navigate to other reports

[illegible]

# SHARING: APRIL LAUNCH

April 2016 AART launched with all results private

- IIS can only see their own reports

User access must be given explicitly

- User must register with AART
- IIS admin must authorize which specific AART users have access
- Nichole Lambrecht worked with each IIS to setup appropriate access

Some IIS requested that their vendor be given access to report

- Nichole gave the users the IIS identified access to their reports

IIS are constrained into silos with no community view

Access  
Limited

# SHARING: EXPANDING ACCESS

IIS classifies all AART users into one of these roles:

- All other IIS programs
- All IIS vendors
- CDC or NIST technical staff
- All EHR vendors

IIS can allow sharing by user role

IIS can share report with or without identifying the source

- Named: User will be able to know which IIS this report represents
- Unnamed: User will see all details but will not be able to identify the IIS
  - IIS name is removed from report
  - Identifying credentials in HL7 test messages removed

# SHARING: EXPANDING ACCESS

IIS admin may indicate global sharing

For each AART user role the IIS admin can indicate:

- Yes – Named
- Yes – Unnamed (anonymous)
- No

Additional comments may be sent to AIRA staff

Sharing settings can be changed at any time

## Global Sharing Settings for this Report

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All EHR vendors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do you have any questions or concerns? We would like to hear from you!			
<div></div>			
<div>Update Sharing Settings</div>			

# SHARING: RECAP

After indicating participation the admin can change them by:

- Logging into AART
- Clicking on Settings
- Clicking on report to change
- Follow original screens

The IIS admin can also see the specific users they authorized to access all reports for this IIS

- Contact AIRA directly to update this list

## DQA Dev

Use the tables below to participate in specific reporting phases and to designate report sharing access to other users.

### Reporting Phase

Click on each of the following reports to designate participation and the sharing settings for other users.

Reporting Phase	Participation	Sharing
IIS Testing and Discovery	Yes	No
Transport Assessment	Yes	(setup)

### Authorized Users

Below is a comprehensive list of current authorized users with access to your IIS reports. If you would like to modify these users, please email the AART administrator.

Name	Organization	Role
Ketti Turcato	AIRA	Admin
Mary Beth Kurilo	AIRA	Staff
Maureen Neary	AIRA	Staff
Michael Indovina	NIST	View

# SHARING: RECAP

## Sharing to specific AART users:

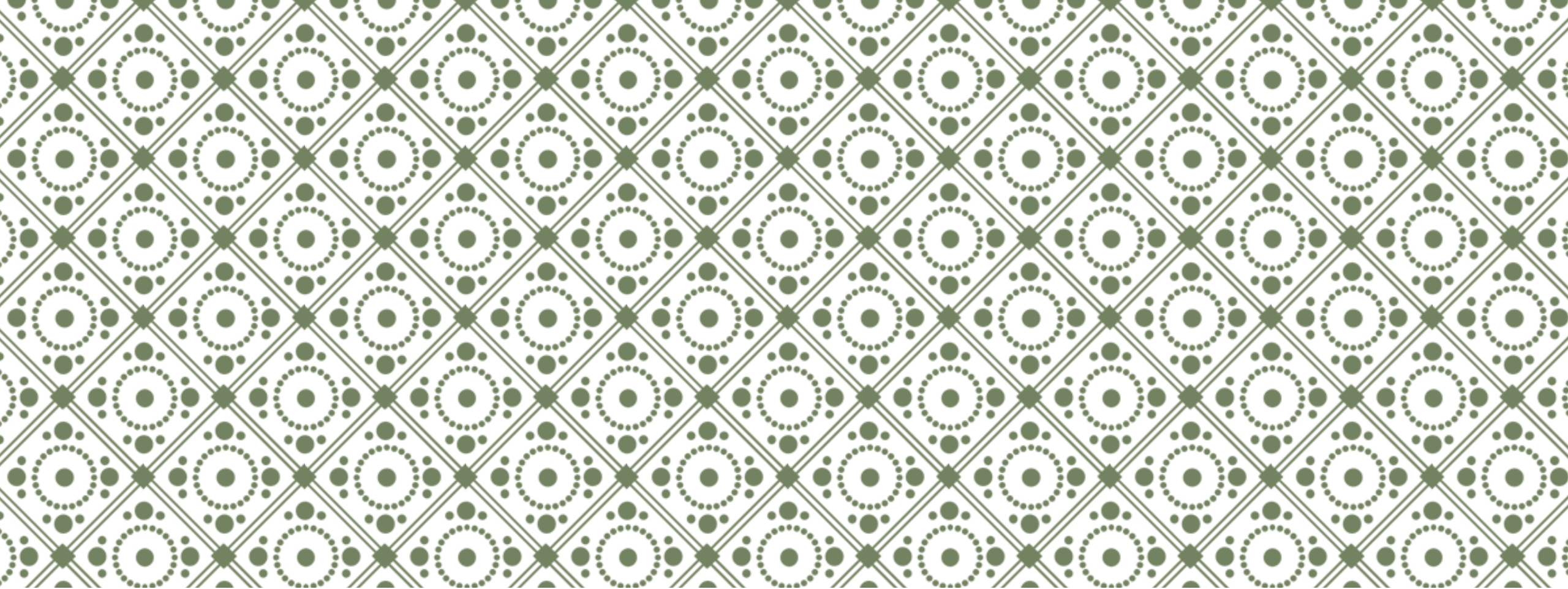
- Admin may communicate to AIRA specific users that have these roles for the IIS:
  - Admin
  - Staff
  - View

## Sharing with the community:

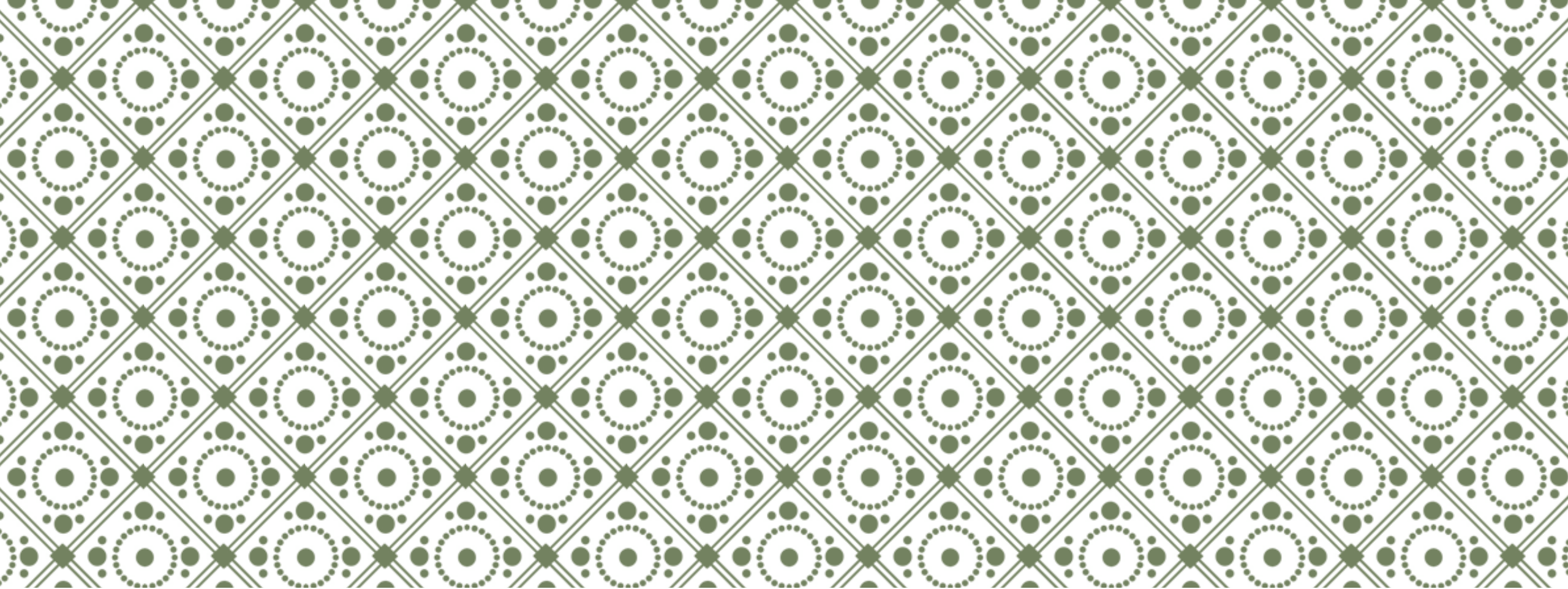
- Admin may set global settings in AART to allow access to specific classes of users
  - AIRA will control who has access when classifying users as they register for AART

## Do you want to give your vendor access?

- Tell your vendor to register for an AART account
- Contact us by email and tell us which users can have access



QUESTIONS, COMMENTS, DISCUSSION



**THANKS SO MUCH!**