

IIS Assessment and Voluntary Certification: Measure, Improve, Rinse, Repeat

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Co-Chair, MACAW

ADVANCING IIS TOGETHER



Chicago, Illinois | **April 11-13**
National Meeting 2017





Contributors

Measurement Advisory Workgroup

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AIRA Board of Directors

Partners at NIST

Partners at CDC

Overview

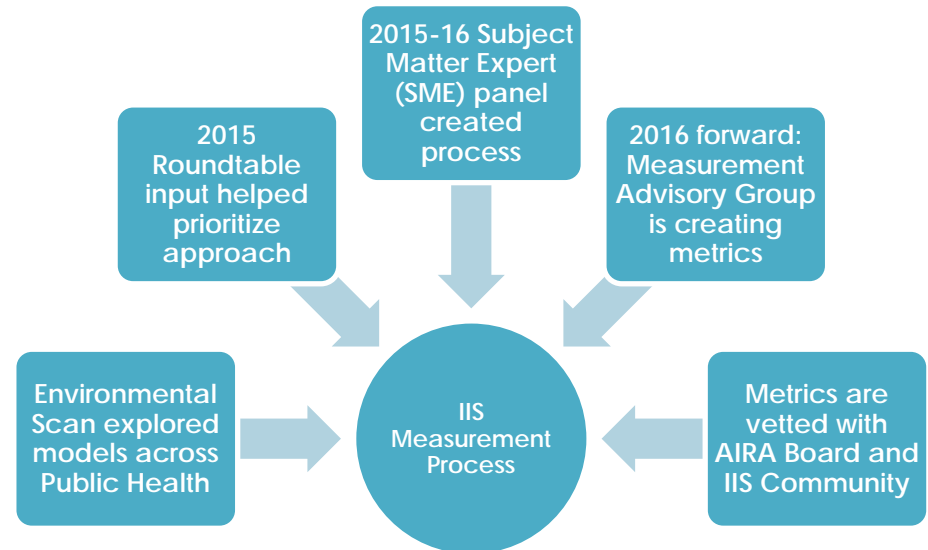
- Share background on our community-driven process: measurement and improvement as an IIS community priority
- The importance of starting with interoperability
- The ground we've covered to date
- What are the data telling us?
 - Participation
 - Results
- Taking the next step: Voluntary Certification

Goal of IIS Measurement and Improvement

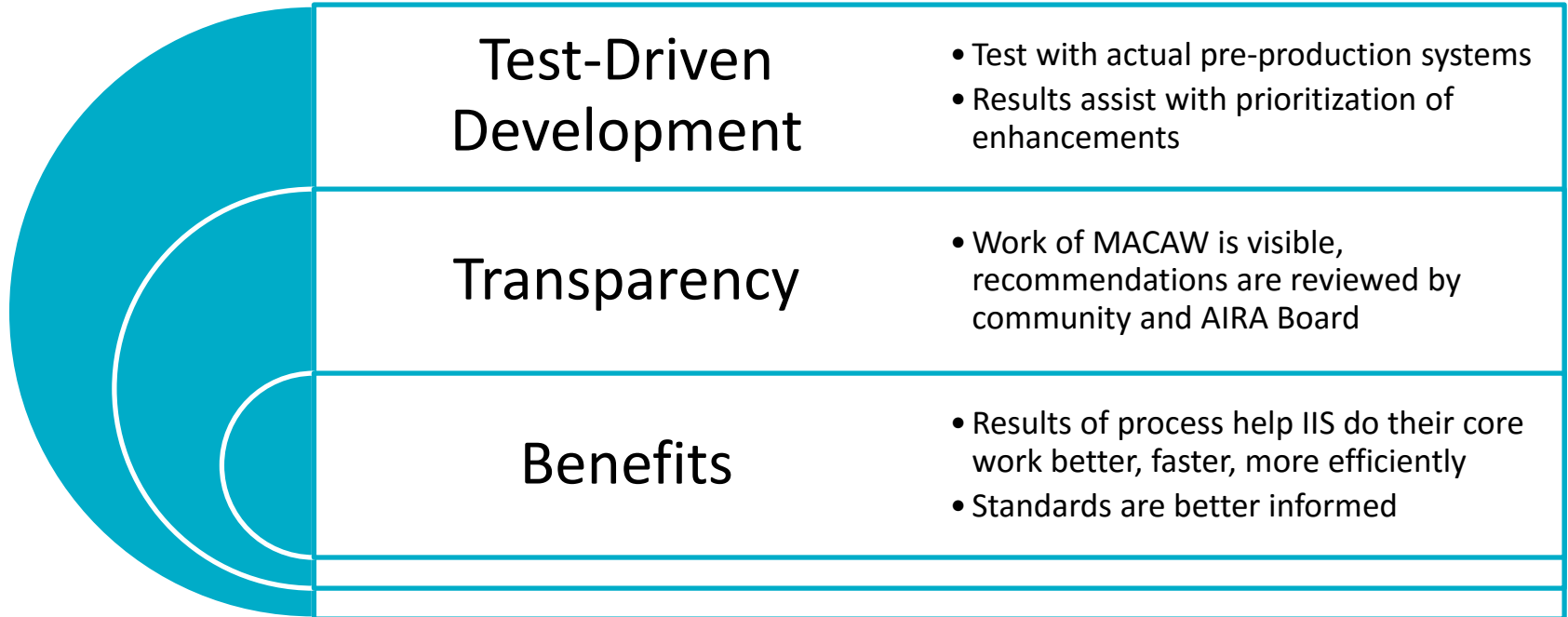
To develop a community-driven, independent measurement process to assess and support IIS alignment with standards and best practices

*A Value of IIS
Assessment:*

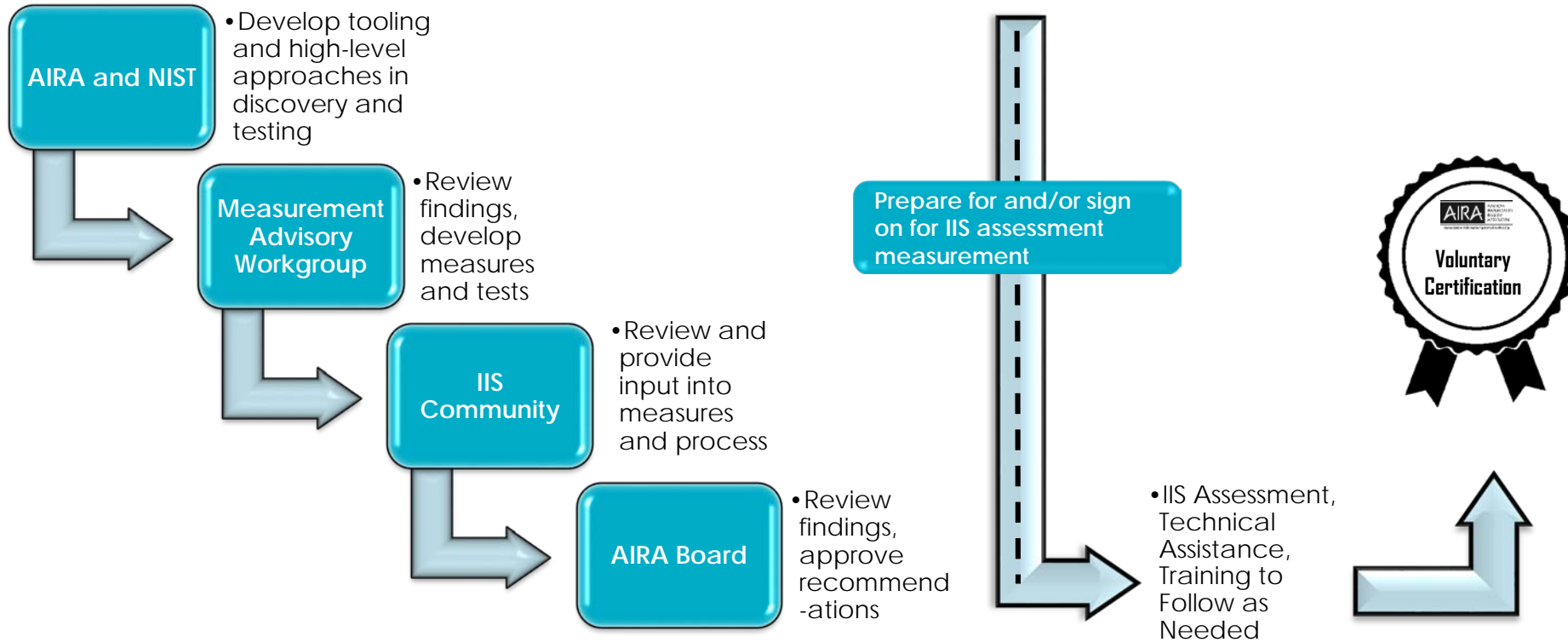
*To create multiple
channels for
community input/
feedback*



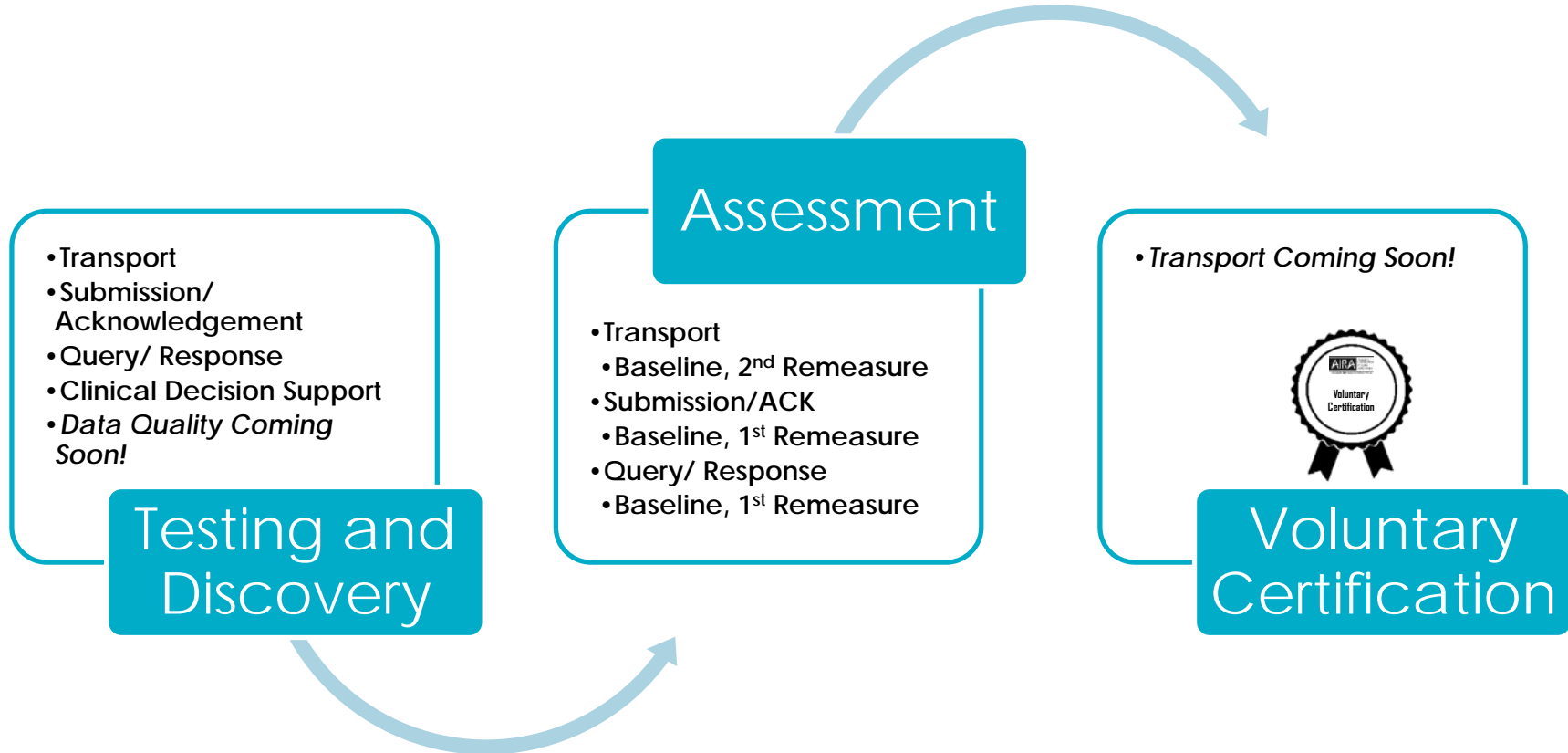
Guiding Themes for IIS Measurement



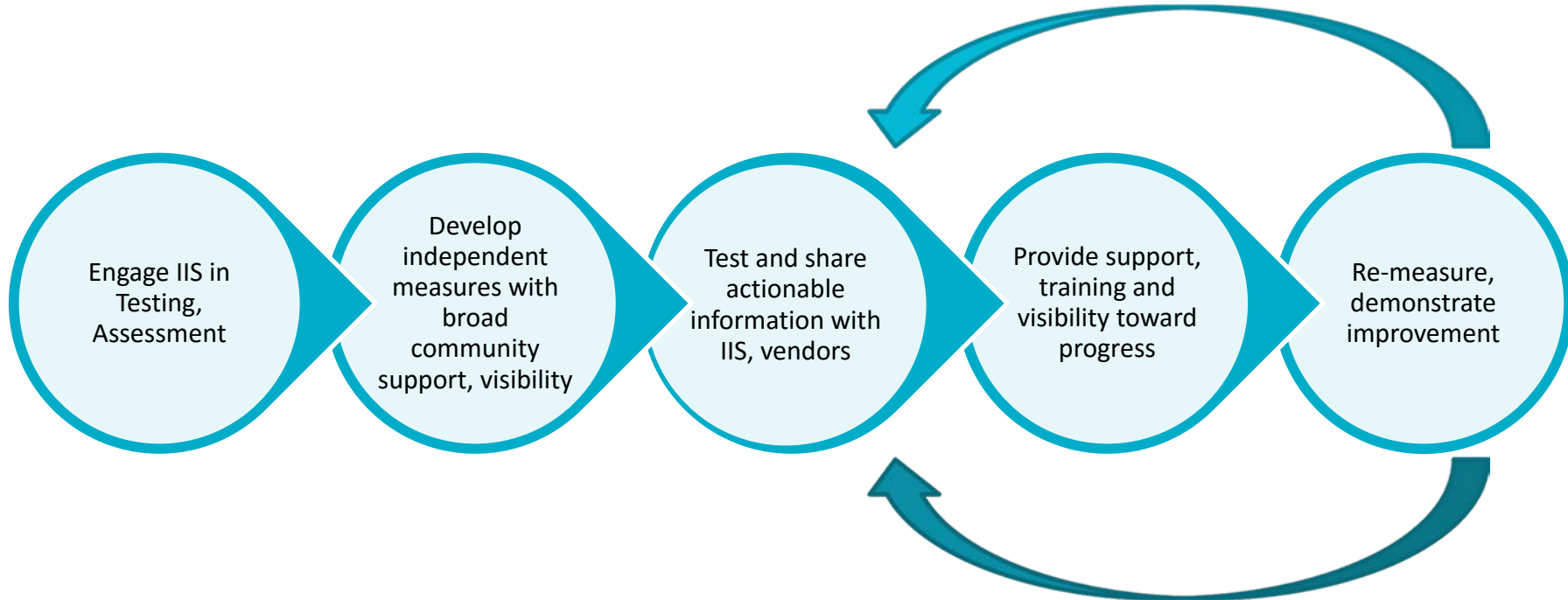
The Process, Simplified



MACAW Measurement and Improvement



The Road Ahead: Measure, Improve, Rinse, Repeat





Aligning with Standards: What's the Impact?

Benefits

- Speeds up onboarding
- Helps to stabilize interoperability
- Improves data quality
- Allows IIS to hold EHRs more accountable
- Moves IIS community closer to its mission of making records and forecasts available at point of care
- Exposes those areas where standards are unclear or don't yet exist

Challenges

- Enhancements (and even connecting with testing) may require human and financial resources
- Nation-wide or community-wide standards may be at odds with jurisdictional policies and practices
- Some standardization may "break" current interfaces

Interoperability Focus

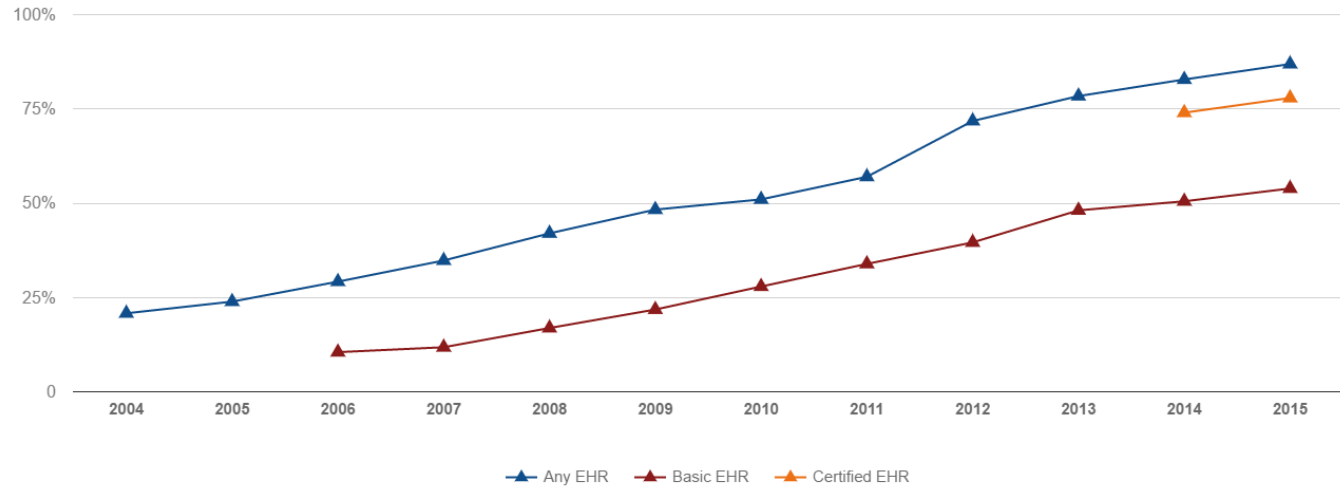
How do we define interoperability?

Per HIMSS, adopted by SISC:

- *“Interoperability is the extent to which systems and devices can exchange data and interpret that shared data”*

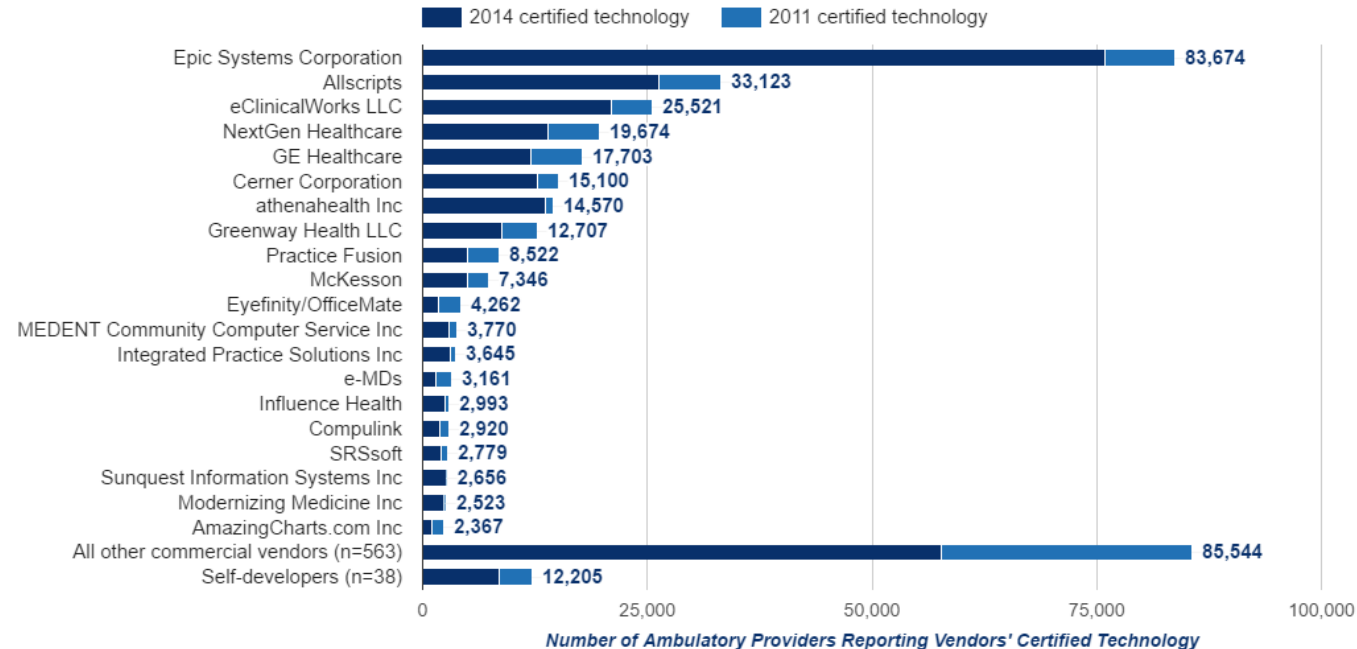
The Importance of Interoperability

EHR adoption more than doubled between 2008 and 2015

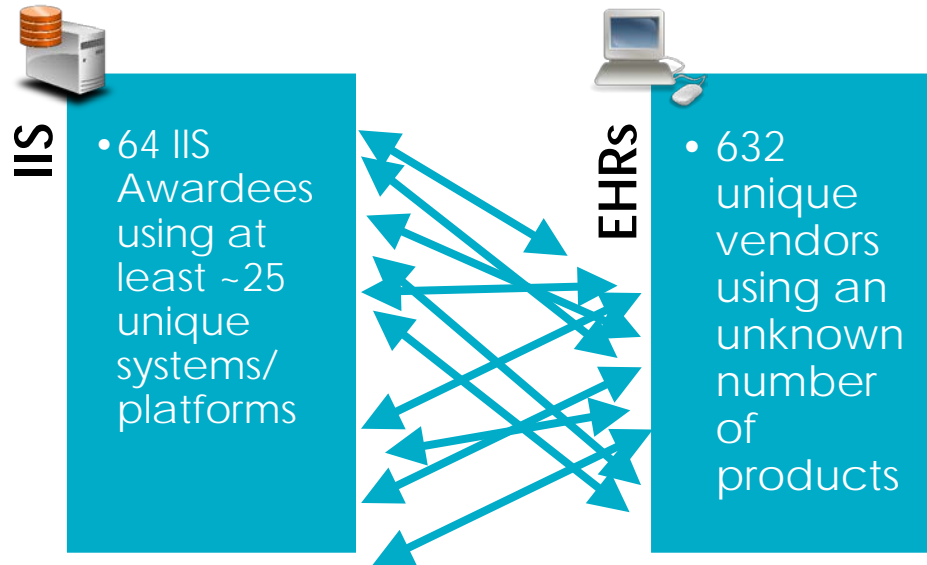


The Importance of Interoperability

As of July, 2016, **632 vendors** supply Certified Health IT to 337,432 Eligible Professionals in the Medicare EHR Incentive Program.



The Importance of Interoperability



Consider additional influences of EHR hubs, HIEs, provider/ health system configuration differences, timing of upgrades, etc.

Combinations could exceed 40,000 unique interfaces

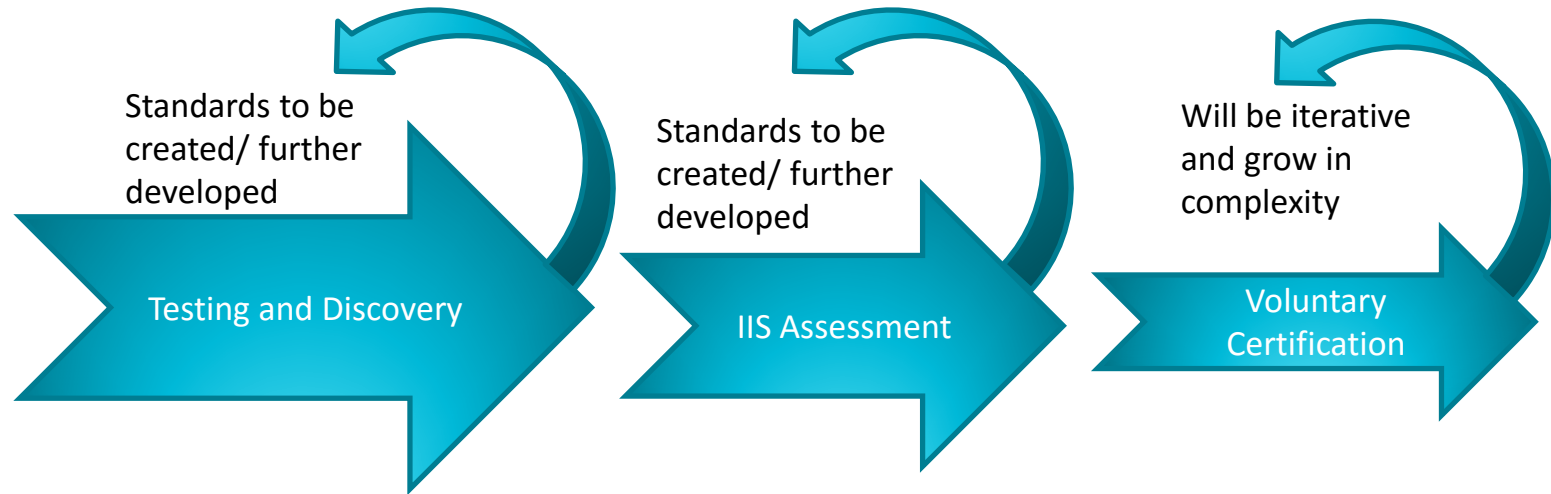
Measurement and Improvement Process

What we initially thought it would look like...



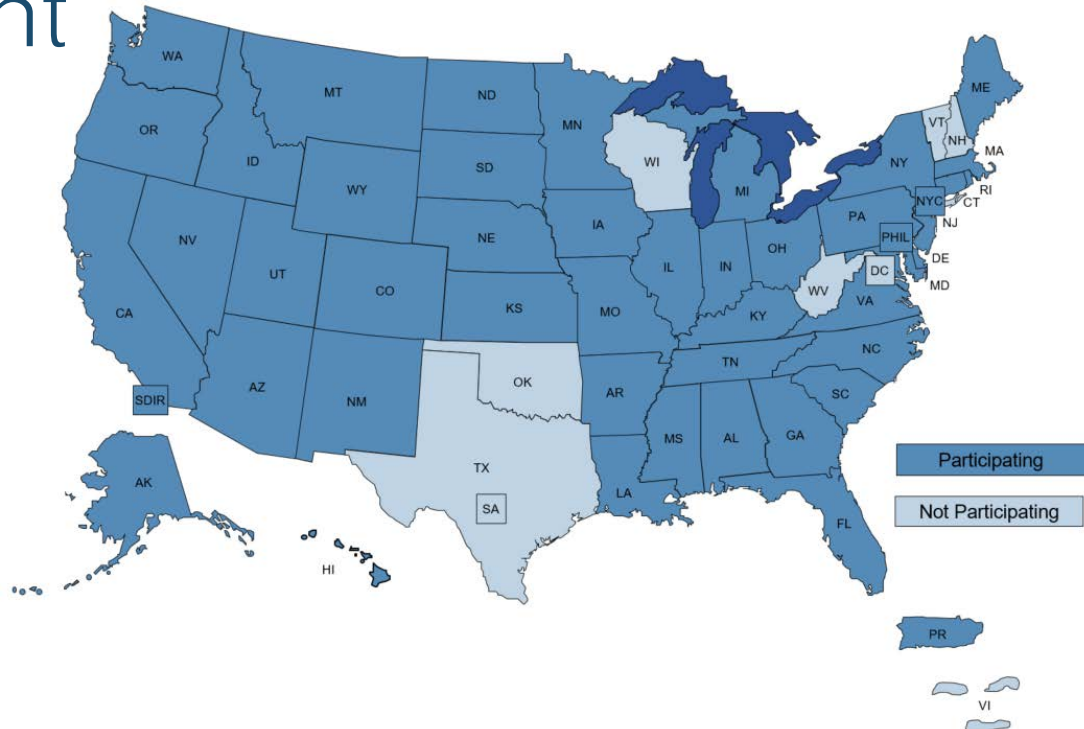
Measurement and Improvement Process

What it actually looks like...

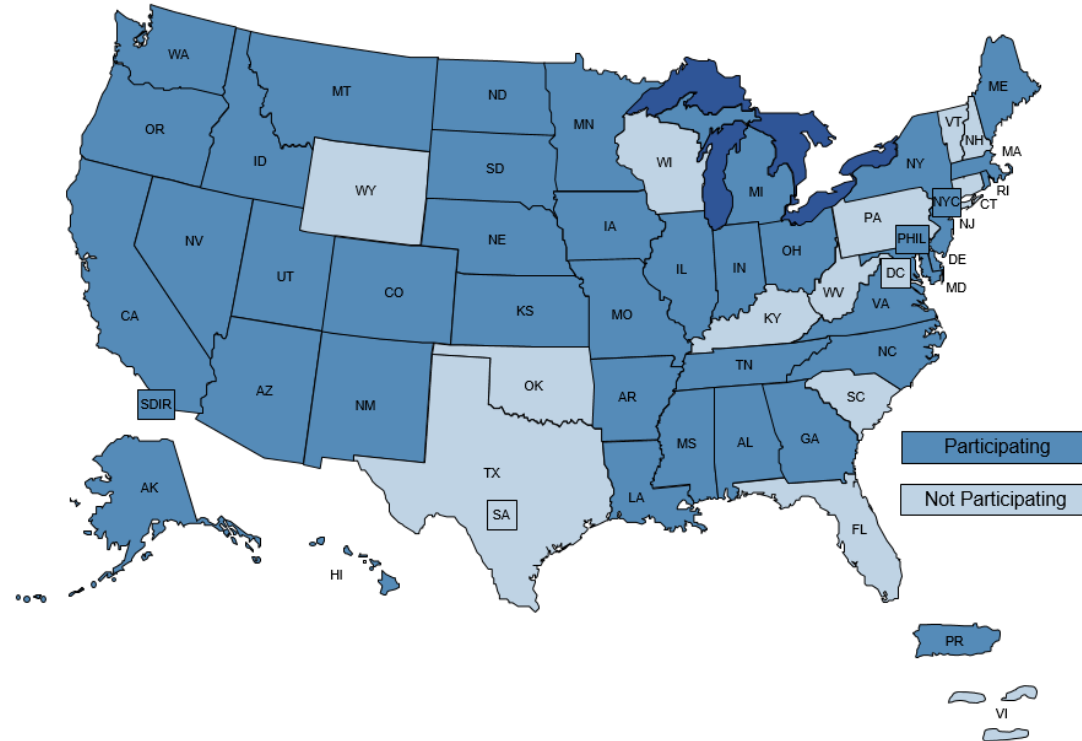


Overall Participation: IIS Measurement and Improvement

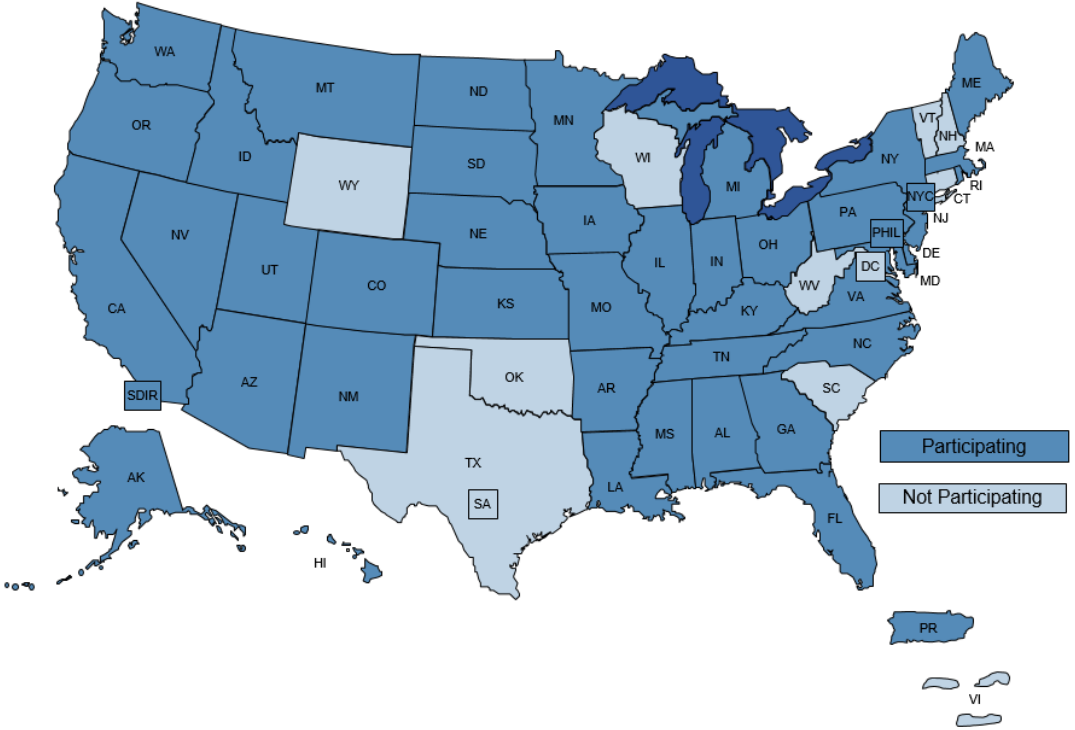
- 53 IIS have participated
- 43 jurisdictions are connected ongoing
- 10 plan to connect in 2017
 - Future enhancements
 - IIS In transition
- 2 have technical/policy issues with HIEs
- 2 have interfaces, but opted not to connect
- 1 is contingent on separate funding stream



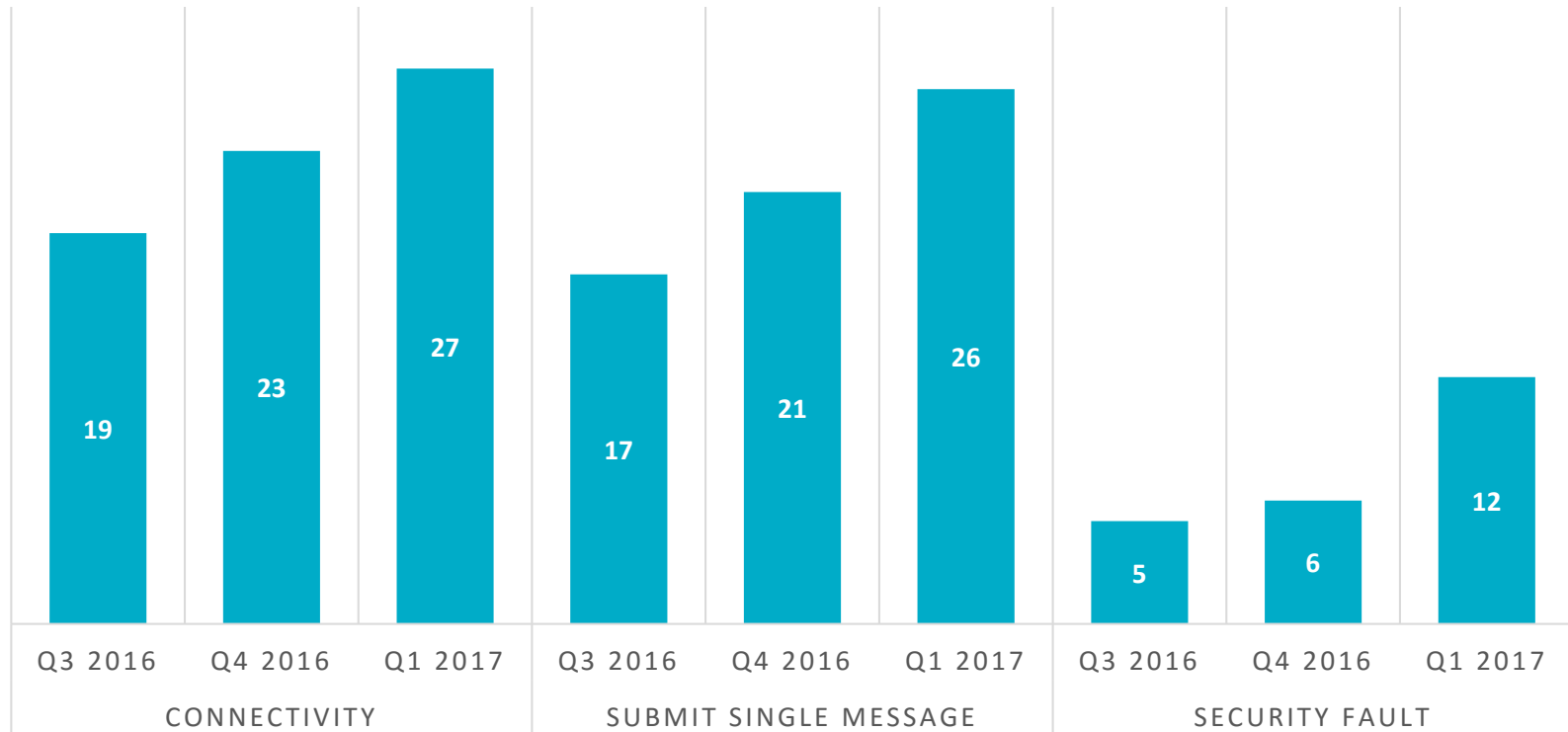
Participation: Q3 2016 Transport Assessment Baseline



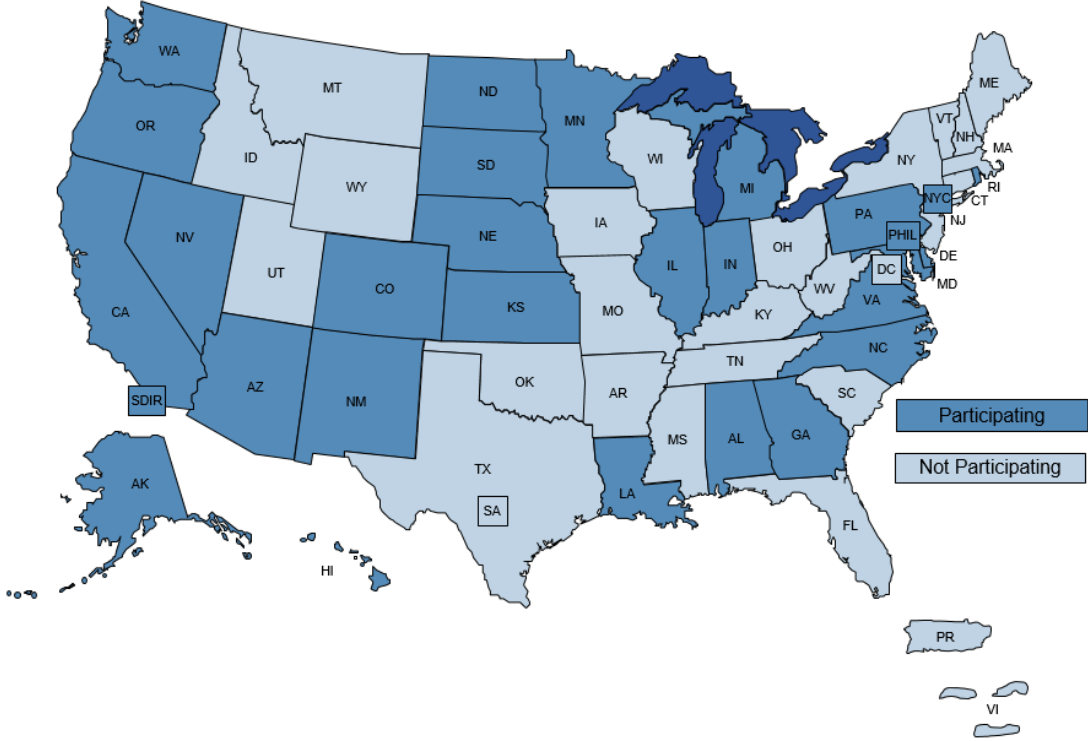
Participation: Q4 2016 Transport Remeasure



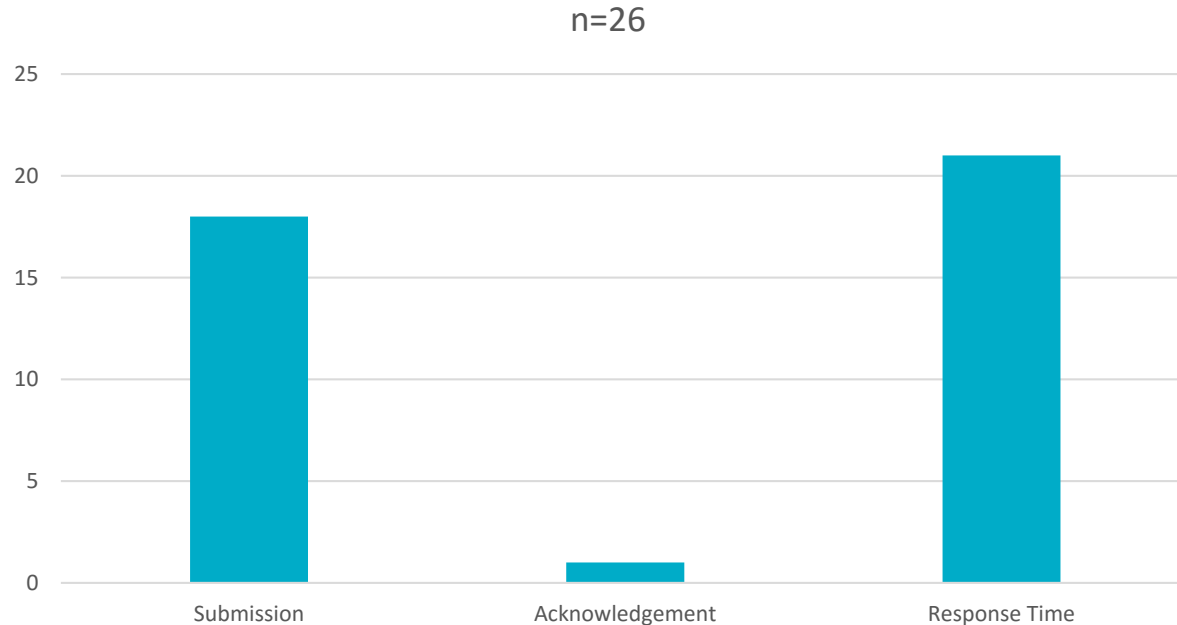
Transport – IIS Fully Meeting Measures



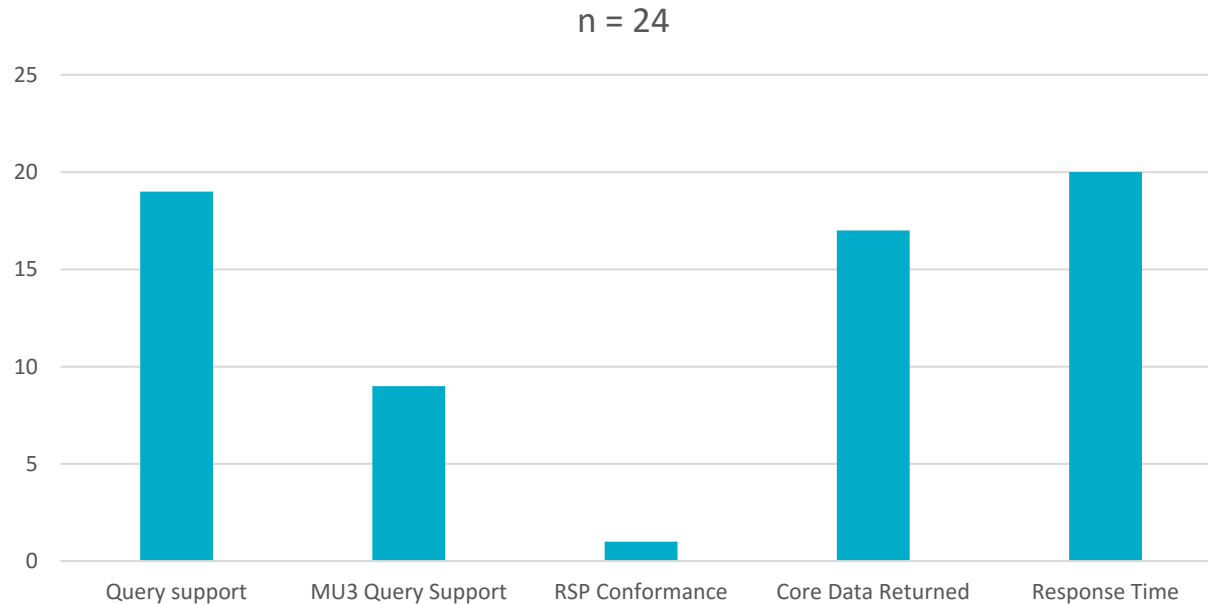
Participation: Q1 2017 Submission/Acknowledgment & Query/Response Assessment Baseline



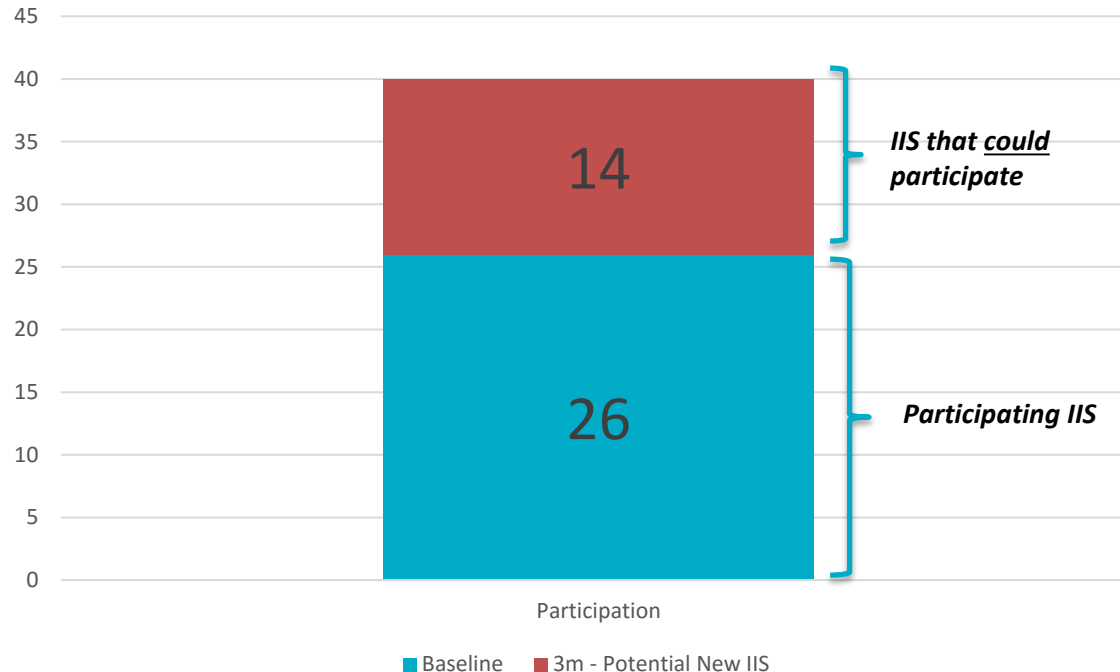
Q1 2017: Submission/ Acknowledgment Results - Baseline



Q1 2017 Query/Response Results – Baseline

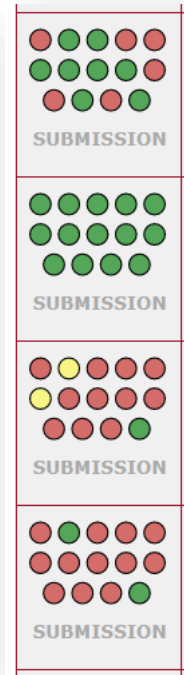
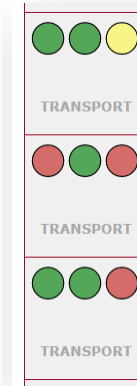
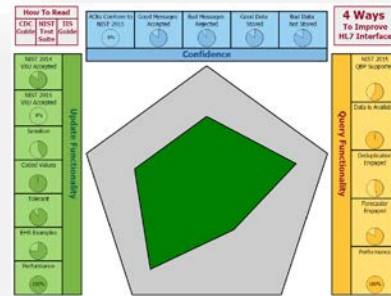


Missed Opportunities



All Test Results are Available in AART

- The Aggregate Analysis Reporting Tool (AART) is a Central Testing Resource
- Three quarters of the IIS community is currently connected for ongoing measurement
- To date, we've run 1.7 million test messages through AART



51 IIS programs and 7 vendors/implementers are viewing their own data and results in AART; where selected, they can also share data in named or unnamed form.

Clinical Decision Support: Concepts

Early Concepts and Scope

- Focus will be on childhood, adolescent, and adult routine recommendations
 - Proposed by MACAW based on current data available
- More to come following planned MACAW in-person meeting, May 2017

Early Plans for Methodology

- Leveraging HL7 to measure as much as possible
 - Keeps a low lift for participation by IIS
- 25 IIS have capability today and more are in the works, based on Discovery and Assessment

Voluntary Certification: The Next Step

We want to continue the momentum of measurement and improvement, particularly around interoperability as MU3 approaches

- Advance notice will help Immunization Program and IIS Managers plan for activities in preparation of certification
- External visibility may help IIS prioritize these efforts
- Additional visibility may also assist with securing funding to support enhancements for connectivity and improvements

Voluntary Certification: What is it?

Voluntary Certification is:

- A program to recognize those IIS meeting measures
- A natural next step following assessment

Voluntary Certification will:

- Provide credit and recognition to those IIS achieving standardization and harmonization through badges (for each IIS website) and a central listing (for AIRA' website)
- Increase credibility of IIS community/alignment of standards
- Support (and speed up) the shift to objective measures
- Leverage the same measures used in IIS Assessment

Proposed Voluntary Certification Timeline



March 2017 –
Transport
Remeasure #2

June 2017 –
Transport
Remeasure #3

August 2017 –
Recommend
Measures to
Board, enable
Voluntary
Certification
Registration on
AART

April 2017 –
Announce
upcoming
Voluntary
Certification at
Nat'l Meeting

July 2017 –
Share Transport
Remeasure #3
results in Town
Hall, request
comments on
measures for
Voluntary
Certification

September
Transport
Remeasure #4,
use results for
Voluntary
Certification for
2018



Our Request for All IIS

Join this effort!

- Work with AIRA staff to get connected
- Participate in every phase *

**even/especially if your system has room to improve*



Questions?

Thank you!

Please contact us with comments, additional questions:

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AIRA Technical Team: info@immregistries.org