



# HIMSS<sup>19</sup> CHAMPIONS OF HEALTH UNITE

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## Reducing Burden: Interfacing Public Health and Clinical Care

Session #275 W303A, February 14, 2019

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# Conflict of Interest

Floyd Eisenberg, MD, MPH

Has no real or apparent conflicts of interest to report.

# Conflict of Interest

Mary Beth Kurilo, MPH, MSW

Has no real or apparent conflicts of interest to report.

# Agenda

- Overview of the HIMSS Immunization Integration Program (IIP)
- Overview of AIRA Measurement and Improvement for Immunization Registries
- Overview of HIMSS/AIRA Immunization Collaborative
- Audience Participation
  - High priority issues for data quality and interoperability
  - Drill down on high priority challenges
  - Facilitated discussions and feedback
- Summary of findings and call for continued participation in Immunization Collaborative



\* AIRA = American Immunization Registry Association

# Learning Objectives

- Describe how to evaluate and harmonize requirements for public health and clinical registry analysis with clinician and consumer needs for decision making and clinical care
- Explain how to address clinical and analytical requirements with clinical care workflow to enhance clinical software usability and effectiveness
- Describe how to approach collaboration with other stakeholders in the immunization management domain
- List examples of use cases to show variation in workflow to effectively address administered vaccines that are ineffective (i.e., non-potent)
- Recognize workflow implications for managing messages indicating errors in data transmission to a registry and how they may be addressed



# HIMSS Immunization Integration Program

- HIMSS in collaboration with the Drummond Group and Chickasaw Health Consulting, LLC (CHC) under a contract with the Centers for Disease Control and Prevention (CDC), National Center for Immunization and Respiratory Diseases (NCIRD)
- Advancing the inclusion of immunization-related capabilities within EHRs and other clinical software by:
  - Facilitating agreement on priority immunization-related software capabilities that align with clinical workflows
  - Enabling software developers to voluntarily test and achieve recognition of their products for inclusion of immunization capabilities
  - Providing guidance for improving usability of immunization-related software functions

<https://www.himssinnovationcenter.org/immunization-integration-program>



# HIMSS Immunization Integration Program

- Testing Information:

<https://www.himssinnovationcenter.org/immunization-integration-program/free-testing-immunization-products>

- EHR / Clinical Software Capabilities

<https://www.himssinnovationcenter.org/about-workflows-and-capabilities>

- EHR / Clinical Software Usability Guidance

<https://www.himssinnovationcenter.org/immunization-integration-program/usability>

- HIMSS IIP Recognized Products:

<https://www.himssinnovationcenter.org/immunization-integration-program/recognized-products>



# AIRA Measurement and Improvement Program

- The Measurement and Improvement Initiative provides IIS with information and guidance to align with the [IIS Functional Standards](#).\*
- The Initiative has created a three-stage process for IIS to measure their alignment with current standards:
  - [Testing and Discovery](#) gathers preliminary information on community alignment with standards.
  - [IIS Assessment](#) involves more formal testing to measure individual IIS systems using IIS community-selected measures and tests.
  - [Validation](#) is a summary stage to acknowledge and share results for IIS that are progressing toward or achieving alignment with community-selected measures and tests.

\* The IIS Functional Standards are a set of specifications which describe the operations, data quality, and technology needed by IIS to support immunization programs, vaccination providers, and other immunization stakeholders.

<https://www.immregistries.org/measurement-and-improvement-initiative>



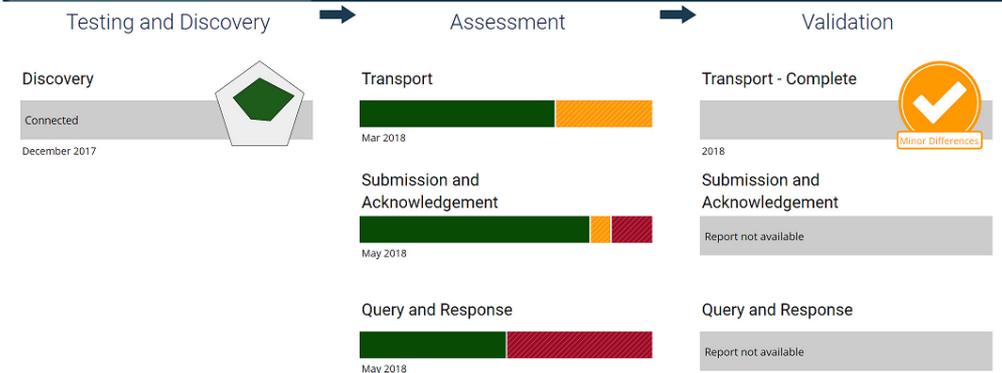
# AIRA Measurement and Improvement Program

- AIRA analysts connect with IIS pre-production (test) systems and send thousands of test messages to IIS
- Results are shared with (and by) IIS via the Aggregate Analysis Reporting Tool (AART)

## Announcements and Welcome!

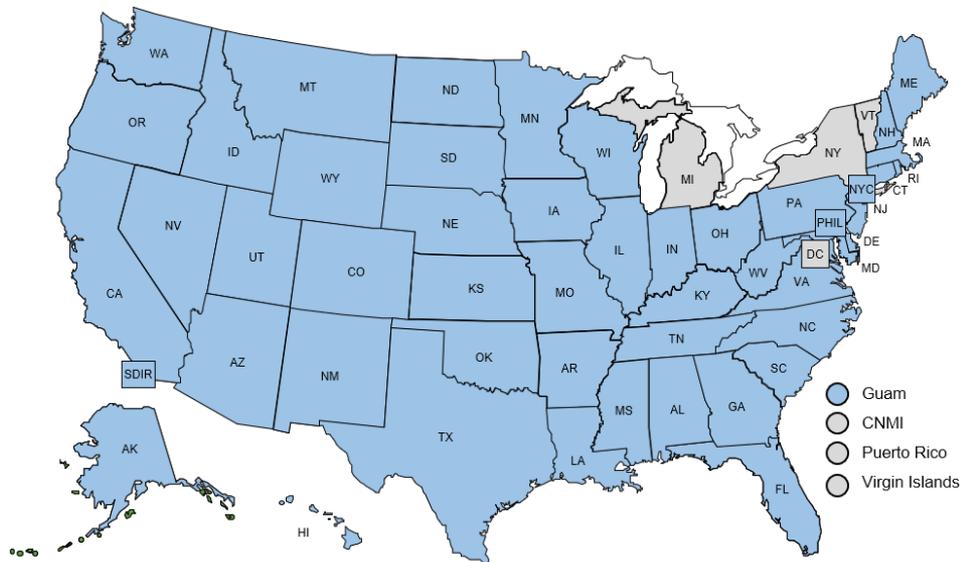
Welcome to the new AART dashboard! A brief summary video of recent changes to AART can be found [here](#). Click [here](#) for more details. The dashboard below allows you to quickly navigate to the results for each of the stages of Measurement. Hover over text to see links to results below.

## Demo Dashboard



# AIRA Measurement and Improvement Program

Sites Connected with Testing Process, Updated 8/10/2018



Connected      Actively Working on Connection

# Increases in Measurement and Improvement (M&I):

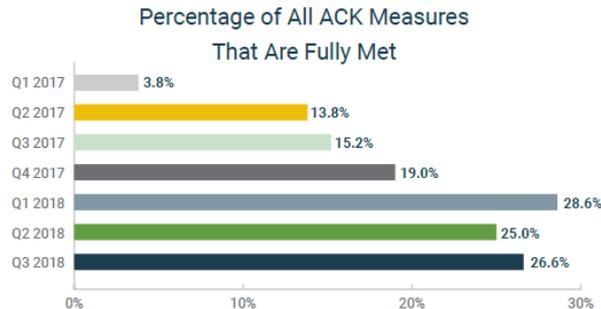
IIS Participation:



**81%**  
increase in IIS measured

IIS aligning with acknowledgement (ACK) messaging

**600%**  
increase in the number of ACK measures that are fully met



# HIMSS/AIRA Immunization Collaborative

- Convened by AIRA and HIMSS to define and gain consensus on steps to resolve issues associated with immunization management, clinical workflow and the exchange of information between EHRs and IIS.



#HIMSS19



# HIMSS/AIRA Immunization Collaborative

- The Collaborative will:
  - Establish and resolve issues list as prioritized.
  - Address ongoing feedback on deliverables.
  - Develop/recommend model clinical practices.
    - Examples include:
      - Standards, definitions, usability and data sharing issues
      - Workflow for managing non-potent immunization administrations
      - Workflow for managing acknowledgement messages



# HIMSS/AIRA Immunization Collaborative

- Objective:
  - Establish a representative body to achieve consensus among key stakeholders on common issues, clinical workflow and recommended solutions to improve immunization interoperability
- Goals:
  - Improve immunization management, workflow, standards, usability and data sharing
  - Develop a value proposition sought by EHRs, IIS, and clinicians, based on results of our evaluation
  - Enable collaboration between organizations that can implement necessary changes (in EHRs or IIS)
  - Build on the work of the Immunization Integration Program



# HIMSS/AIRA Immunization Collaborative

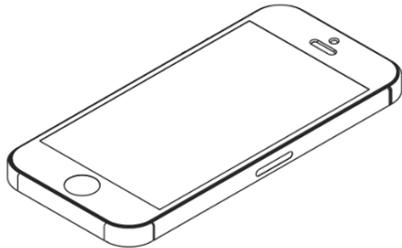
The Collaborative will identify challenges and define actionable solutions to improve immunization workflow, interoperability, usability and data sharing between health IT systems and organizations and IIS that will ultimately improve patient care and outcomes.

- Measurements of Success:
  - Increase the number of software developers being recognized through the Immunization Integration Program
  - Improve immunization information-related workflow and usability
  - Improve immunization interoperability and information sharing
  - Increase adoption of immunization-related best practices
  - Standardize Health Information Exchange engagement



# Interactive Participation

go to <https://www.menti.com>  
and enter code 13 53 92



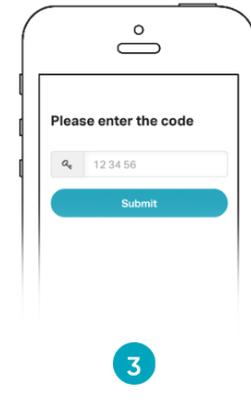
1

Grab your phone

[www.menti.com](https://www.menti.com)

2

Go to [www.menti.com](https://www.menti.com)



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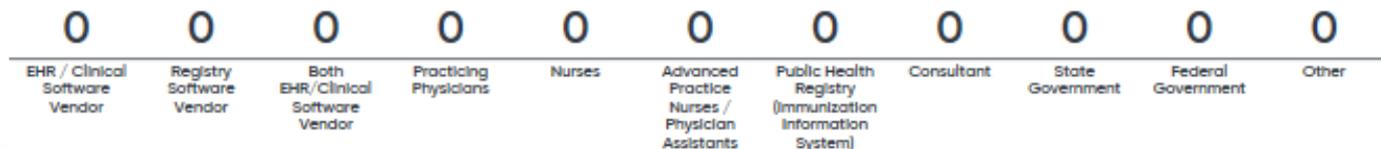
Enter the code 13 53 92 and vote!



From what country did you come to this meeting?

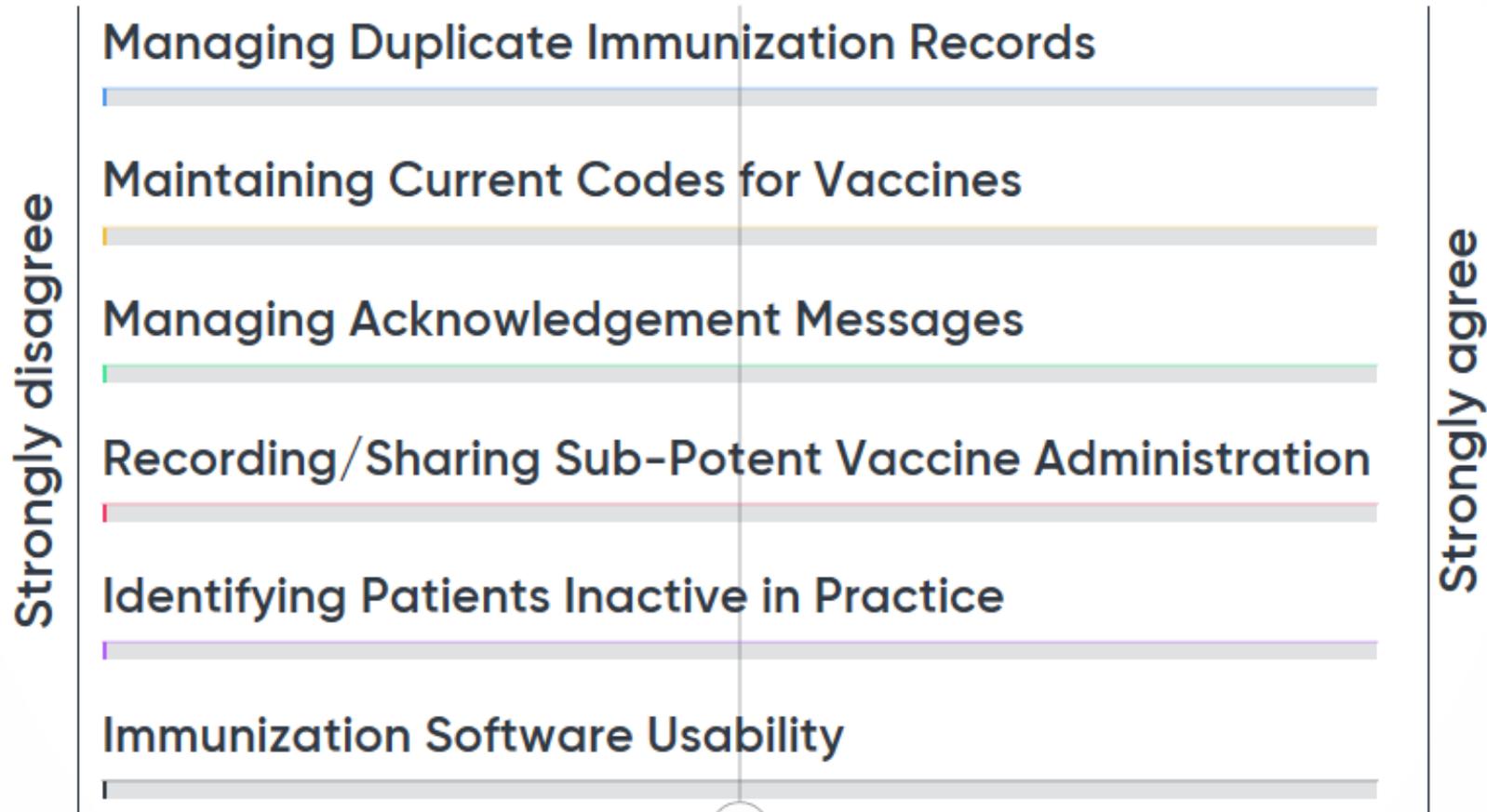
# What is your country of birth?

# What stakeholder group do you represent?



What are the top three most significant data challenge with onboarding practices to Immunization Registries?

# Rate how each issue impacts you



# What are the most significant data quality challenges you've faced when setting up EHR-IIS immunization interfaces?



Provide additional items an Immunization Collaborative should address

Suggest what factors should be measured to evaluate success of an Immunization Collaborative

# Questions and Thank You!

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- Please complete online session evaluation

