

Collaboration to Reduce Burden and Improve Value for Immunization Data

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AIRA
AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION

AIRA National Meeting | Wednesday, August 14, 2019



Agenda

- Historical Background, Future State and the IIP Collaborative
 - *Kafayat Adeniyi, MPH, Public Health Analyst, National Center for Immunization and Respiratory Diseases, Immunization Services Division, Immunization Information System Support Branch (NCIRD/ISD/IISB), Atlanta, GA*
- Immunization Information Systems, and the Measurement and Improvement Process
 - *Mary Beth Kurilo, MPH, MSW, Policy and Planning Director, American Immunization Registry Association, Washington, DC*
- The IIP Collaborative
 - *Joyce Sensmeier, MS, RN-BC, CPHIMS, FHIMSS, FAAN, Senior Advisor, Informatics, HIMSS, Chicago, IL*
- Potential Topics to Prioritize
 - *Lori Reed-Fourquet, MS, Technical Advisor, Immunization Integration Program, Coventry, RI*
 - *Mary Beth Kurilo, MPH, MSW, Policy and Planning Director, American Immunization Registry Association, Washington, DC*

Learning Objectives

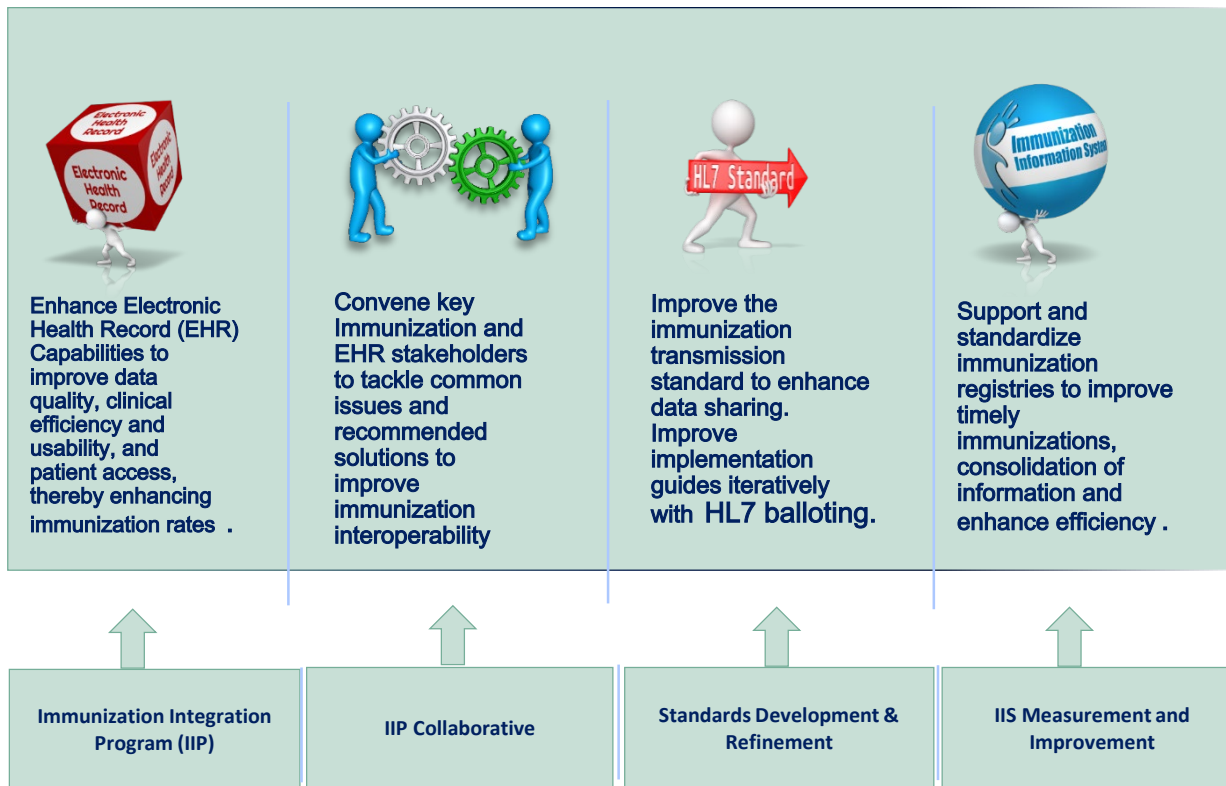
- Understand the rationale and methods for participation in the Immunization Integration Program (IIP) Collaborative
- Understand clinician and IIS perspectives regarding high-priority challenging issues for data quality and interoperability
- Discuss critical success factors required to make the IIP Collaborative a success
- Learn how the IIP Collaborative will be used by CDC as an input for solutions for improving EHR-IIS workflow, data quality and interoperability



Historical Background, Future State and the IIP Collaborative

Kafayat Adeniyi, MPH, Public Health Analyst, CDC/NCIRD


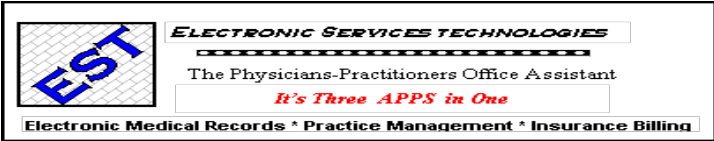




CDC Strategies for Achieving Improvement



What is the Immunization Integration Program?

- Goals:
 - Advance the integration of immunization-related software capabilities based on workflow and usability principles within EHRs and other clinical software
 - Serve as a forum for addressing common IIS and EHR issues
- Program Accomplishes Goals By:
 - Facilitating agreement on priority immunization-related capabilities that align with clinical workflows
 - Providing guidance to improve usability of immunization-related software functions
 - Enabling software developers to voluntarily test and achieve recognition of their products
 - Formalizing forum for addressing common issues
- Compliments the ONC Certification Program
- IIP is an ONC approved testing partner
- 6 vendors recognized

Recognized Vendor Products

Cerner FirstNet Cerner PowerChart	
The Physicians – Practitioners Office Assistant	
GlaceEMR	
TheVaccinator	
Qvera Interface Engine	
Office Practicum Office Practicum OP Version 20.0	

Immunization Integration Program (IIP): Multiphase Effort

Feasibility



Answer 3 Questions

- Is it possible to establish IZ-centric EHR certification process?
- Are the cost effective and efficient methods for doing so? (e.g., Is there a business case for using one or more of these approaches?)
- Approved for IIS strategic plan and by IIS Executive Board

Phase I Workflow & Requirements



Identify Requirements

- Literature Review
- Interviews with Experts and Stakeholders
- Establish EHR workflow
- Establish EHR Certification Incentives and Requirements

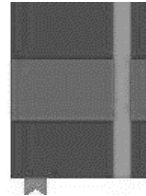
Phase II Validation Test Pilots



Create Validation Tests

- Pilot with selected EHR vendors
- Establish conceptual Framework for Guidance and Testing

Phase III Conceptual Framework & Publishing of Guidance and Test



Establish Independent Body (Technical Advisory and Evaluation Panel)

- HIMSS Engaged
- Seek Public Input & Technical Advisory Panel Guidance to Validate Capabilities, Guidance and Test Scripts
- Publish Immunization-Related Capabilities, Guidance and Test Scripts for Comment

Phase IV-V Recognition Program Launched and Vendors Recognized



Launch Testing, Validation and Recognition Program

- Market IIP and Recognition Opportunity
- Test vendors
- Evaluate feasibility of IIP being self sustaining

Phase VI-VII Formalize Collaboration and Evaluate Impact



Evaluate Impact, Maintain Recognition Program & Establish Collaborative

- Marketing and stakeholder engagement focus on vendors w/ largest market share and provider association organizations
- Formalize forum for IIS and EHR to tackle common issues
- Evaluate impact to determine required changes to requirements, test approach & recognition

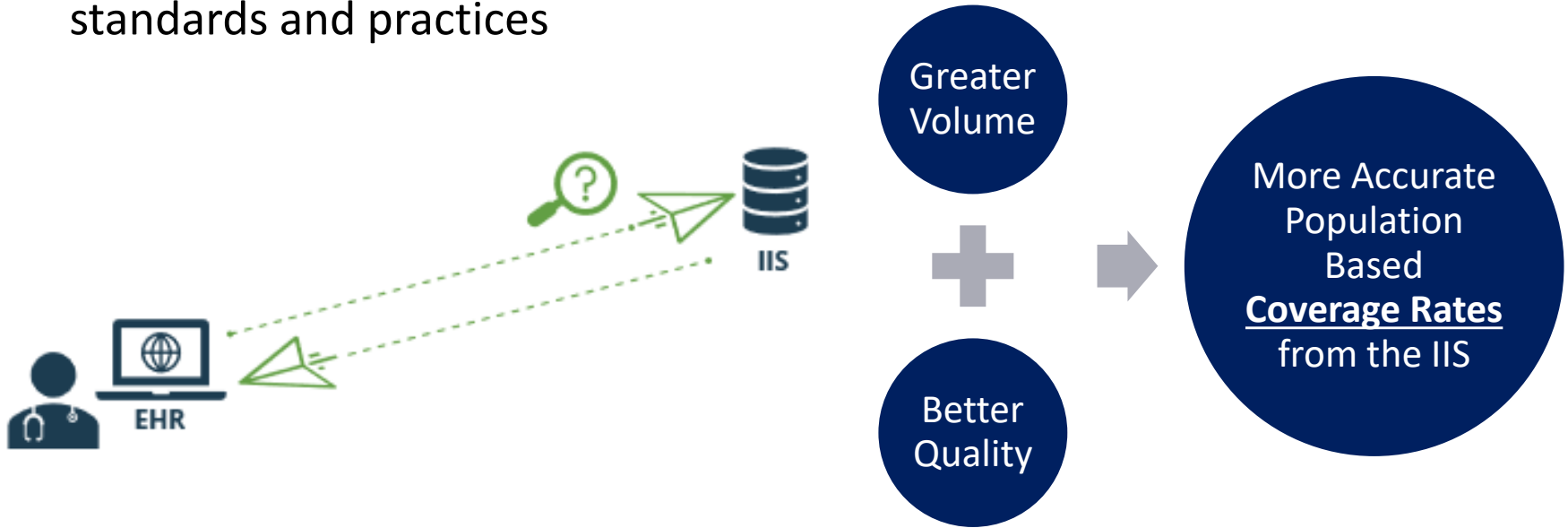


Immunization Information Systems, and the Measurement and Improvement Process

Mary Beth Kurilo, Policy and Program Director, AIRA

IIS are Jurisdictionally-Based, and Governed by State Laws and Policies, But Use Common Standards

- **Interoperability** has driven the need for increasingly consistent standards and practices



IIS Measurement and Improvement (M&I) Initiative



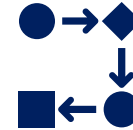
What Is This Initiative?

AIRA's M&I initiative provides IIS with information and tools to more fully align with standards.



What's The Value?

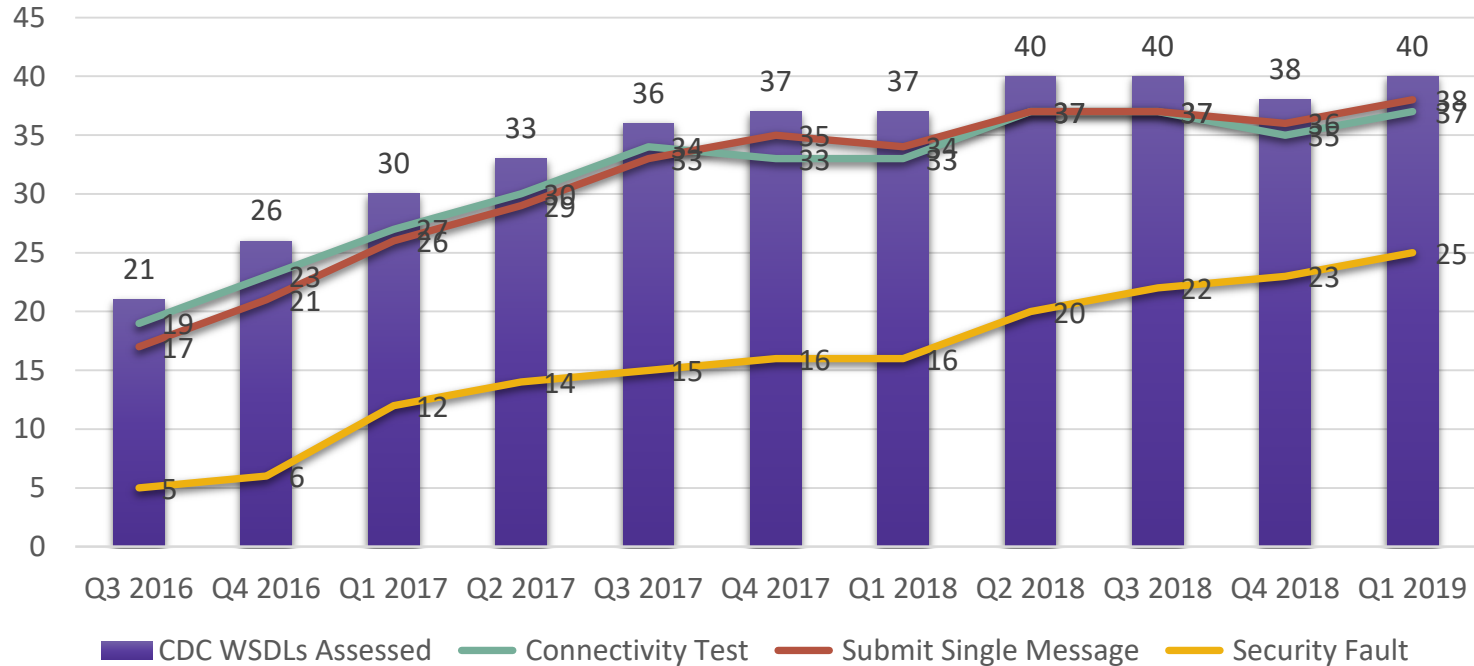
By demonstrating broad implementation of standards, all IIS improve data quality, gain credibility, and become increasingly sustainable.



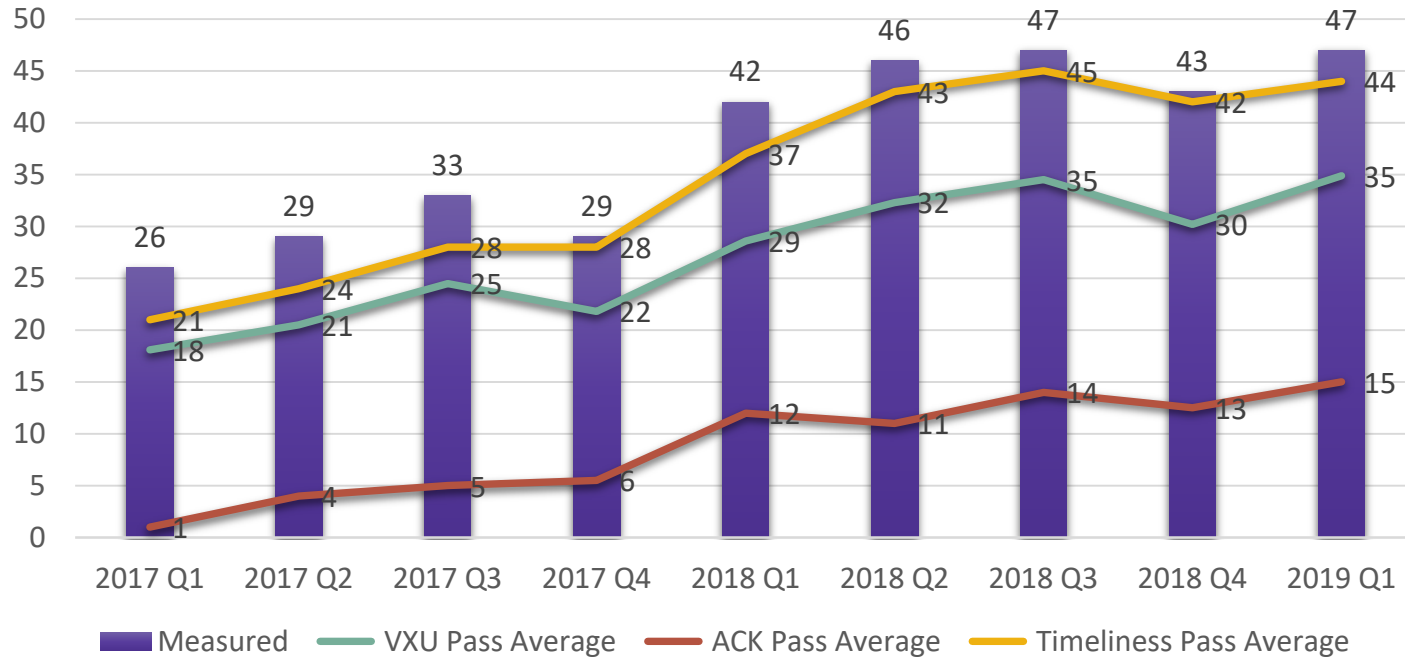
How Does It Work?

AIRA connects with IIS pre-production systems to independently test their standards-based functionality.

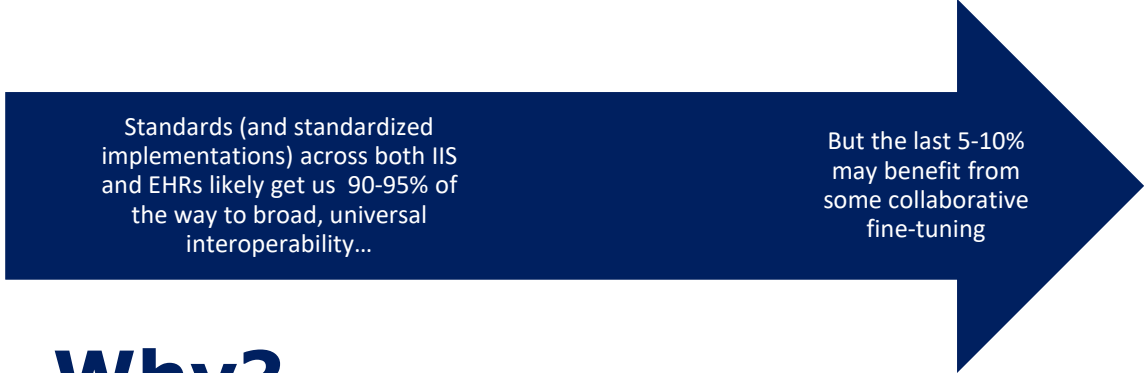
Progress! Assessment Results: Transport



Assessment Results: Submission and Acknowledgement



The Challenge



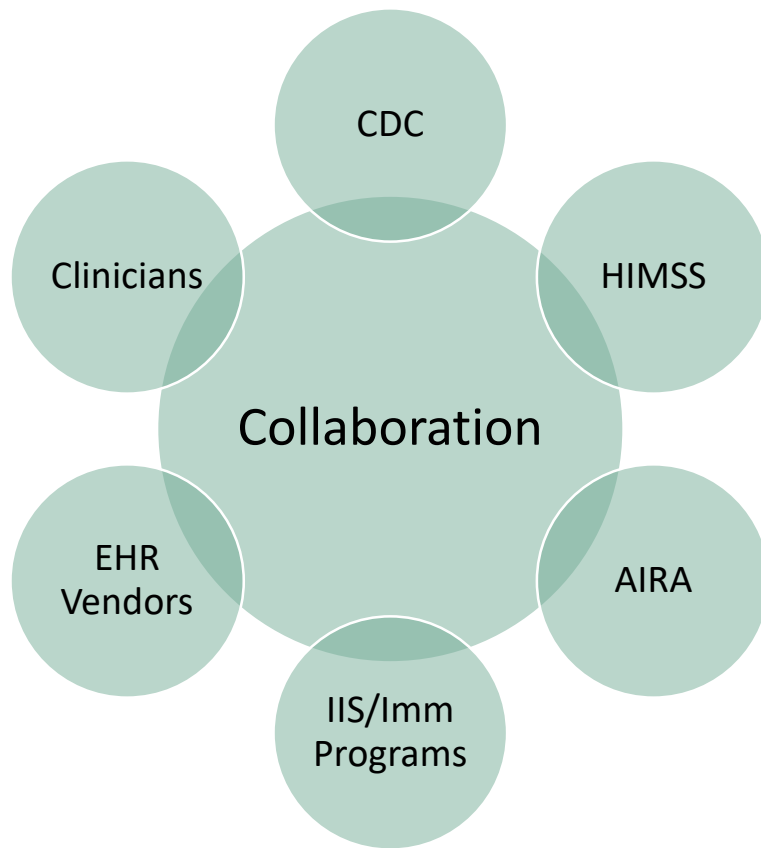
Standards (and standardized implementations) across both IIS and EHRs likely get us 90-95% of the way to broad, universal interoperability...

But the last 5-10% may benefit from some collaborative fine-tuning

Why?

Varied **provider workflows**, **unique implementations**, vague or **unclear standards**, jurisdictional IIS **policies or laws**, variations in **interpretation of standards**, etc.

How can we
address these
interoperability
gaps?





The IIP Collaborative

Joyce Sensmeier, Senior Advisor, Informatics, HIMSS

What is the IIP Collaborative?

A forum, under the HIMSS IIP, for EHR and IIS communities to come together to identify actionable solutions between health IT systems, organizations and IIS in order to improve interoperability between IIS and EHRs.

GOAL:

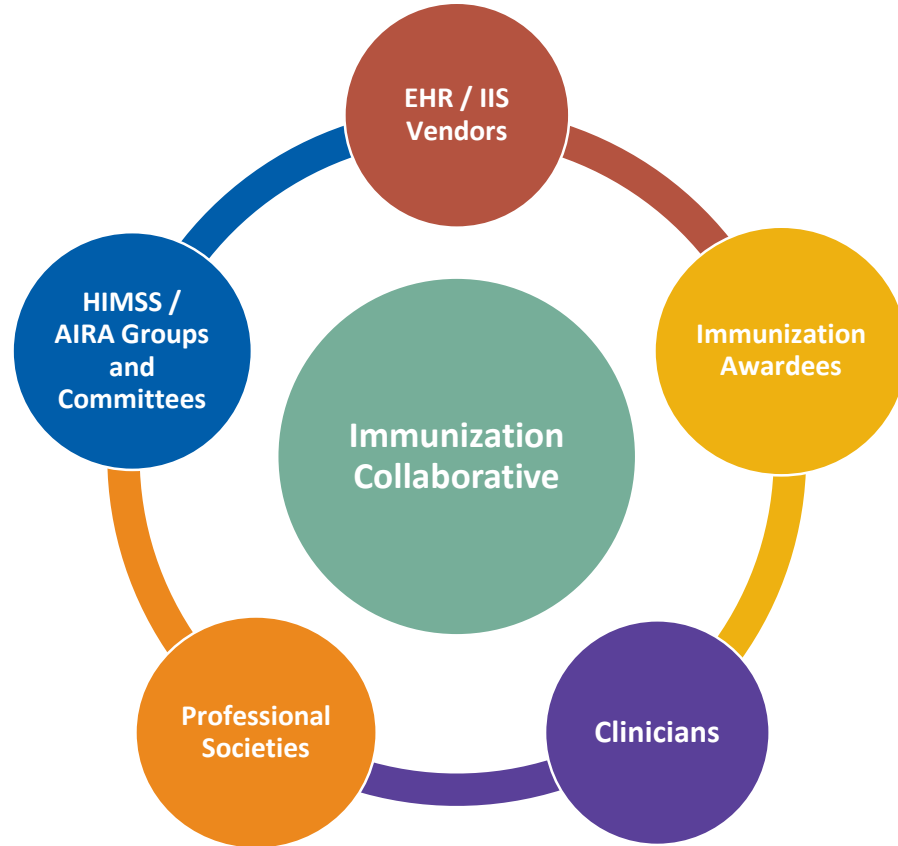
Improve immunization management workflow, usability and data sharing between EHR and IIS to better support clinical care and public health.




IIP Collaborative Objectives



IIP Collaborative Stakeholder Community



IIP Collaborative Next Steps



Evaluate feedback from
AIRA National Meeting
sessions to include in
prioritization issue list

Convene with Executive
Committee to
categorize and prioritize
issue list

Organize workgroups as
appropriate to identify
and vet solutions from
issue list

Potential Topics to Prioritize

Lori Reed-Fourquet, MS and Mary Beth Kurilo, AIRA

We'd like your input!

- CDC, HIMSS, AIRA, and the EHR / IIS communities have generated a long list of topics for consideration by the Collaborative
- We're going to share six of the high-priority topics to gather your feedback on:
 - Level of importance
 - What resources are most needed/would be most helpful
 - What else should we consider

Mentimeter Questions

- What organization are you representing?
- Questions for the six challenge areas:
 - 1) How important is this priority issue in your organization?
 - 2) What's most needed from the IIP Collaborative to address this topic?
 - Information/education
 - Standards clarification
 - Best practice guidance
 - Technical assistance
 - Financial resources for system modifications
 - Guidance to help prioritize existing resources
 - Other
 - 3) What other topics should be considered?

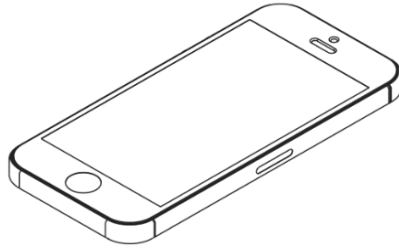
High Priority Topic List

- 1) Workflow for managing subpotent immunization administrations (e.g., vaccine stored out of temperature range, then administered)
- 2) Workflow for managing acknowledgement messages
- 3) Reconciling and/or consuming returned immunizations into the EHR/patient record, de-duplication
- 4) Maintenance of codes (e.g. for vaccines, vaccine information statements, etc)
- 5) Fuzzy or estimated dates
- 6) Guidance for consent and protection indicators across IIS and EHRs

Interactive Participation

go to www.menti.com

and enter the code you will soon see on the screen



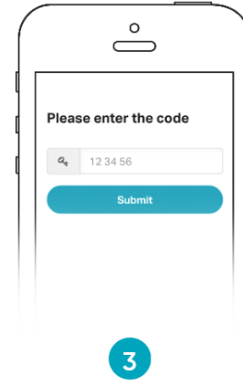
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Pick up your phone

www.menti.com

2

Go to: www.menti.com

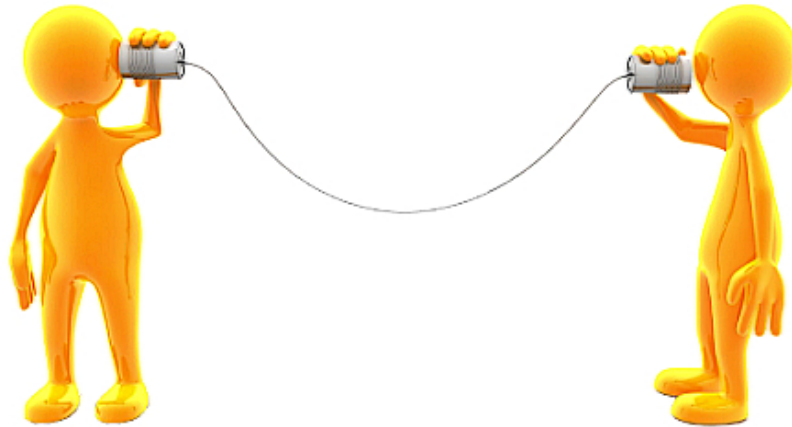


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Enter the code

Stay Informed

Contact us at ImmunizationCollaborative@himss.org to receive updates on prioritized issues and recommendations developed by the IIP Collaborative.



Questions and Thank You!

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- Joyce Sensmeier – jsensmeier@himss.org
- Lori Reed-Fourquet – lori.fourquet@sbcglobal.net
- Mary Beth Kurilo – mbkurilo@immregistries.org



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For more information, contact CDC
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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

