



AIRA
AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION

HL7 Immunization User Group

Monthly Meeting

May 10, 2018

2:00 PM ET

Agenda

- Welcome
 - Poll: Which perspective do you primarily identify yourself with?
- Updates
 - National Immunization Conference
 - CMS Proposed Rules
 - AART Update
 - SISC Update
 - Transport Validation Reports Published
- Discussion Topic
 - Query Triggers
 - Epic



National Immunization Conference

- IIS Track
 - 2d barcodes
 - Pandemics
 - Sustainability
 - IIS-EHR interoperability
 - National immunization survey (NIS)
 - Consumer access
 - Consent
 - EHRs
 - Reminder recall

**JOIN
US**

AIRA-AIM RECEPTION

at the CDC'S NATIONAL
IMMUNIZATION CONFERENCE



Monday, May 14th, 2018

5:30-7:30 pm

Max Lager's

320 Peachtree Street NE

Atlanta, GA 30308

*Located at the corner of Peachtree
and West Peachtree one block
North of the Hyatt Regency.*

Join AIRA and AIM for an evening of networking before the National Immunization Conference. Kick off the conference by connecting with old friends and making new ones. Appetizers and drinks will be served.



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Comments on CMS Proposed Rule

- CMS released a proposed rule on April 24th, reclassifying EHR Incentive Programs as “Promoting Interoperability Programs”
 - <https://s3.amazonaws.com/public-inspection.federalregister.gov/2018-08705.pdf> (we will send out this link following the meeting)
- The new proposed rule requires syndromic surveillance reporting, and requires the selection of one of five additional measures under Public Health and Clinical Data Registry Reporting:
 - **Immunization Registry Reporting**
 - Electronic Case Reporting
 - Public Health Registry Reporting
 - Clinical Data Registry Reporting
 - Electronic Reportable Laboratory Result Reporting
- Comments are due to CMS by June 25th, 2018
 - AIRA requests comments beginning immediately



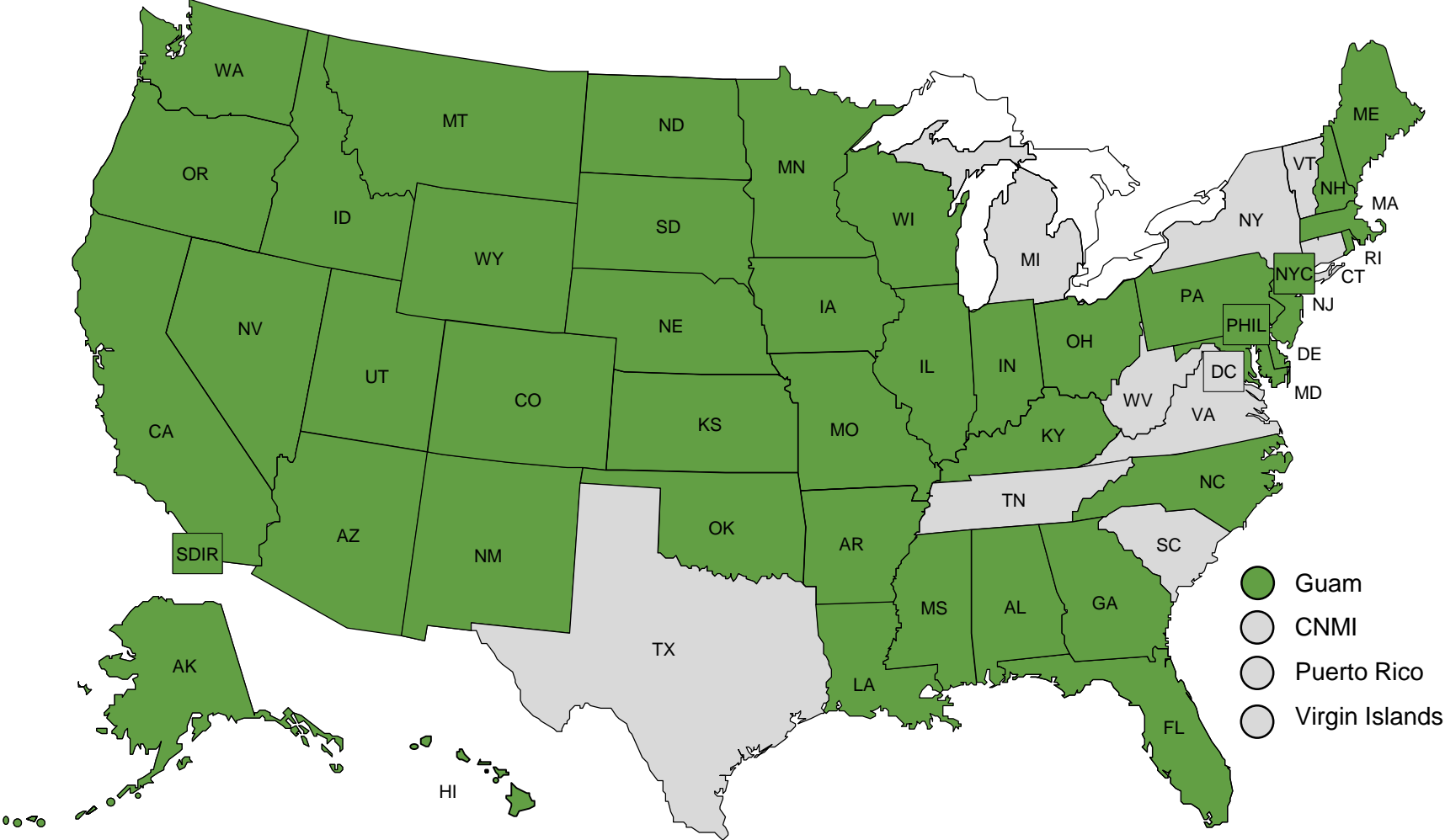
Schedule for Gathering Comments

AART Testing Updates

- Transport Validation results are available
 - Measure and Improvement Page
 - <http://www.immregistries.org/measurement-improvement>
 - Aggregate Analysis Report Tool (AART)
 - <http://app.immregistries.org/aart/home>
 - Basic Report
 - <http://repository.immregistries.org/resource/transport-validation-basic-level>
 - Complete Report
 - <http://repository.immregistries.org/resource/transport-validation-complete-level-april-2018/>



IIS Sites Connected

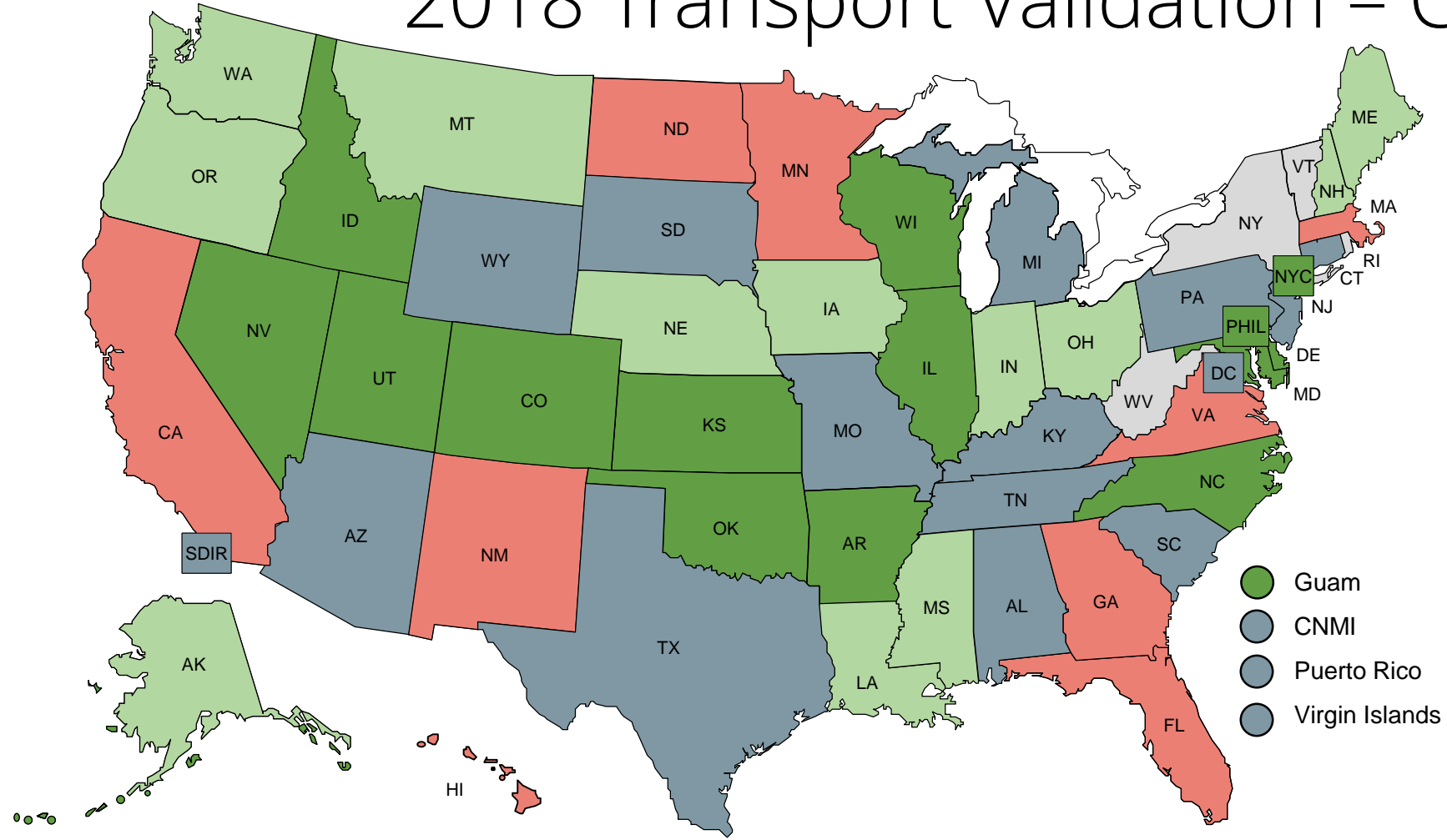


Connected

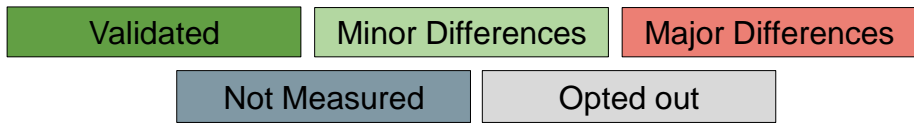
Actively Working on Connection



2018 Transport Validation – Complete



- Guam
- CNMI
- Puerto Rico
- Virgin Islands



AART Testing Updates

- Coming soon:
 - Relaunch of Discovery Report
 - Major upgrade to AART early in 2017
 - Discovery Report on hiatus since January
 - Initial reports available again in May or June
 - Improvements will be rolled out over the next year
 - Validation
 - Submission and Acknowledgement
 - Query and Response

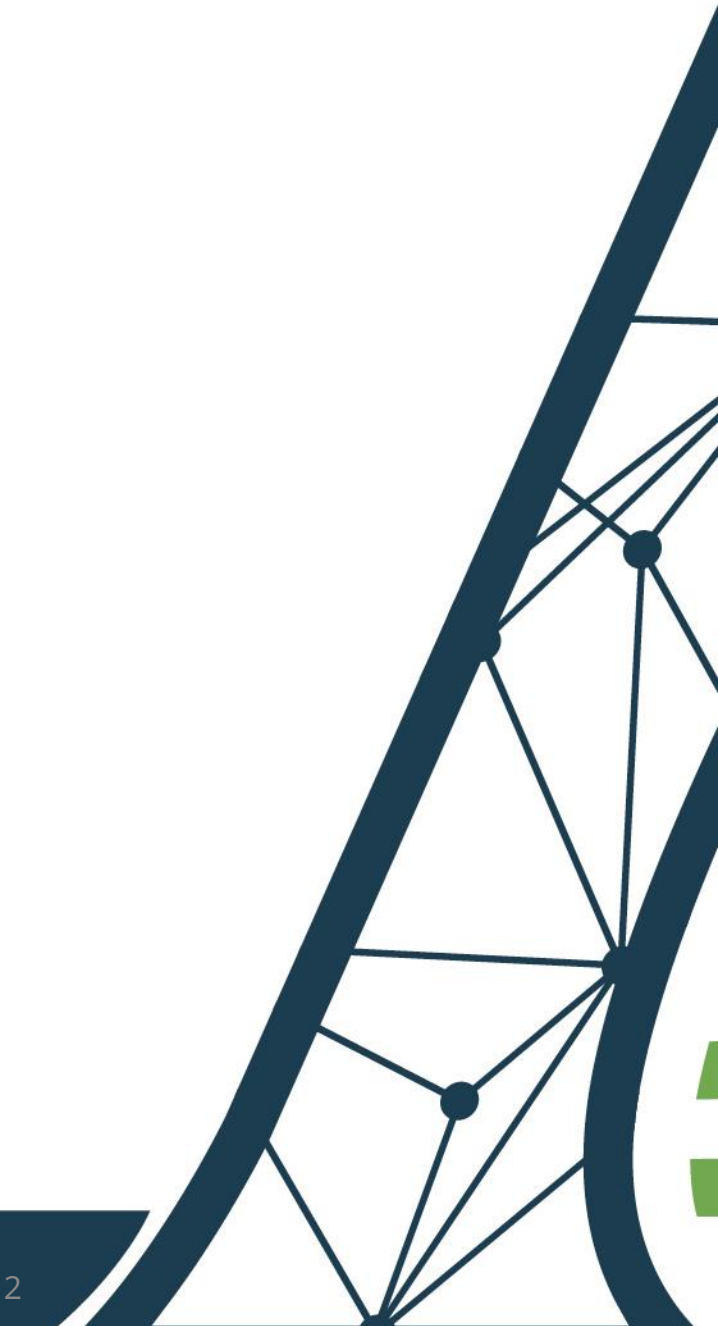


SISC Update

Mary Woinarowicz



Query Triggers

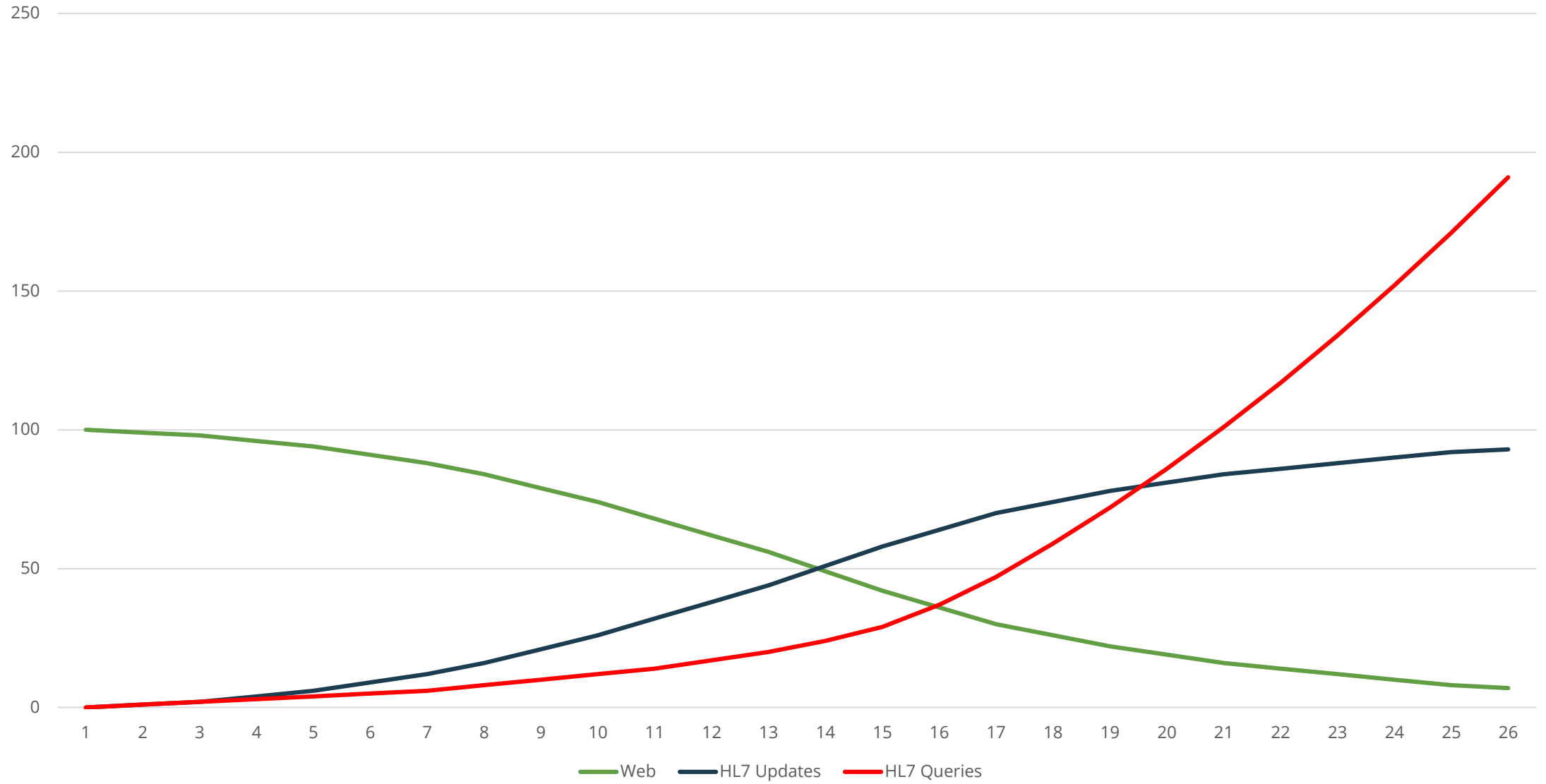


Query Triggers - Introduction

- Triggers are events that instigate a message being sent
 - Patient admitted to hospital
 - Patient discharged
 - Immunization administered
- VXU submissions expected to increase but at slower levels
 - Naturally bounded by vaccination recording activity
- QBP queries expected to increase as IIS are used more
 - No natural boundary, new uses will be discovered



Historical and Future Trends (Not Real Data)



Epic

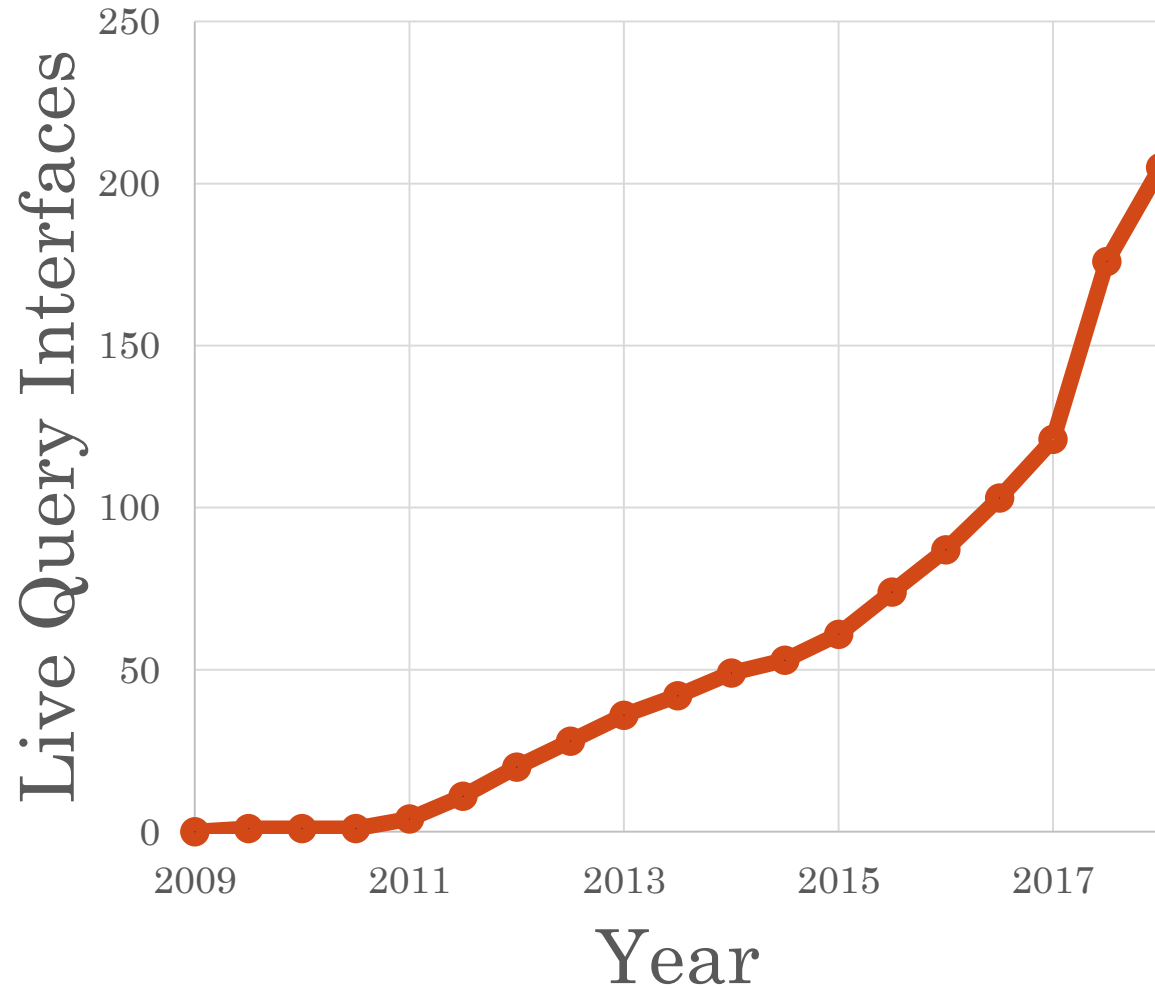
Greg Faber



Vaccination Query Interface - Epic

Vaccination Query Interface Statistics

- 205 Live Interfaces
- 35 State Registries
- 1 City Registry
- >200 million queries sent a year



Query Trigger Events

- Manual query
 - Point of care
- Automated query
 - At appointment check-in
 - At appointment scheduled
 - Upon admission
 - Next day appointments



Example Immunization Query Workflow

- Patient check-in - Automated query generated
- Provider reviews immunization forecast
- Place orders for new administrations
- Patient meets with the provider
- Review historical immunizations
- Reconcile outside immunizations
- Administer new immunizations – Manual query for validation
- Print immunization sheet for school/work



Implementation Process - Phases and Timelines

- Groundwork (aka Onboarding)
 - Collect project team
 - Kickoff call
- Interface Design and Install – 1-3 months
 - Implementation guides
 - Interface configuration
- Testing – 1-3 months
 - Connectivity
 - Workflow testing
 - Mapped record testing



Implementation Process - Phases and Timelines – cont.

- Go-live
 - Cutover planning
 - Staff training
 - On-site support (*sometimes)
- Post-live Support
 - Error management
 - Technical support
 - Upgrade assistance
 - Continuous improvement



Recent Enhancements

- Reduced Automated Queries
- Location Filtering
- Support for RXA Deletion on RSP

Upcoming Enhancements

- Support for additional Observation LOINC codes on RSP

Future Enhancements

- RSP support for multiple patient matching

Observation Values

- Vaccination Type
- Recommendation - Date due
- Recommendation - Earliest date to give
- Recommendation - Next dose number
- Reason Code
- VIS - Date of publication
- VIS - Date presented to patient
- Adverse reaction
- Combination vaccine
- Immunization Schedule Used
- Dose Validity
- Vaccination contraindication/precaution
- Vaccination contraindication/precaution effective date
- Vaccination contraindication/precaution expiration date
- Vaccine funding source
- Free text comment
- Latest date to give vaccine
- Date when overdue for immunization
- Immunization series name
- Number of doses in series
- Status in immunization series
- Disease with presumed immunity
- Diseases with serologic evidence of immunity
- Vaccine funding program eligibility category
- Special indication for vaccination
- Special indication for vaccination effective date
- Special indication for vaccination expiration date
- General patient observation
- General patient observation effective date
- General patient observation abatement date

Benefits of Bi-directional Query with IIS

- Access to the patient's complete immunization history
- Accurate immunization forecasting
- Easy reconciliation of outside immunizations to the medical record
- Patient outreach for overdue immunizations (using reporting tools)
- Patient access to a complete immunization record for school/work (via the patient portal)

Next Meeting

Thursday, June 14th

2:00 pm ET / 11:00 am PT



More Information

- Web Links

- Subscribe to immunization group

<http://www.hl7.org/participate/UserGroups.cfm?UserGroup=Immunization>

- Public User Group Wiki

<http://www.hl7.org/special/committees/iug/index.cfm>

- Private User Group Wiki

<http://iugwiki.hl7.org/>

- HL7 Press Release

http://www.hl7.org/documentcenter/public_temp_F760602A-1C23-BA17-0C0D326E635471F9/pressreleases/HL7_PRESS_20140402.pdf

- AIRA Press Release

<http://www.immregistries.org/events/2014/04/10/hl7-immunization-user-group>



Contact Information

If you have any questions or comments:

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Thank you!

