How Immunization Information Systems Can Help Doctor's Offices
Agenda

• Immunization Information Systems
  – Meeting Meaningful Use
  – State Variation
• ONC and CDC Collaborations
  – Clinical Decision Support for Immunization (CDSi)
  – Cross Jurisdictional Data Exchange
  – Consumer Access
• Panelist Comments
• Questions
Immunization Information Systems

- Consolidated immunization history across providers
- Forecasting
- Produce official Immunization Certificate
- Vaccine inventory
- Interface with EHRs
Meeting MU through IIS

**Declaration of Readiness**
- **Who:** PHA to CMS
- **When:** Begin in late-summer 2013
- Public health agency (PHA) notifies the Centers for Medicare and Medicaid Services (CMS) what public health objectives it can support.

**Registration of Intent**
- **Who:** EPs and EHS to PHAs
- **When:** Before 60th day of reporting period
- Eligible professionals (EPs) and eligible hospitals (EHS) notify PHA in writing what public health objectives they seek to meet.

**On-Boarding**
- **Who:** EPs and EHS to PHAs
- **When:** Following registration and in response to PHA requests for action
- EPs and EHS work with PHAs to establish on-going MU data submission.

**Acknowledgment**
- **Who:** PHA to EPs and EHS
- **When:** Upon successful submission of public health MU data to PHA
- PHAs affirm that EPs and EHS have successfully submission with a written affirmation. EPs and EHS may use the acknowledgment for MU attestation requirements.
Find out about your state

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*Note: This is not an official version of the data. Jurisdictional websites and points of contact for each jurisdiction are the only source of the official or verified data. APHL is not liable for discrepancies, errors or omissions. If any, found in the data included on this site. This information is neither associated with the Centers for Medicare and Medicaid Services (CMS) nor endorsed to determine whether a public health agency has the capacity to receive...*
Making it easier to connect with IIS: Decreasing state variability

- Differing standards across states have been a challenge for EHR vendors and providers
  - Dose size, VFC status
- American Immunization Registry Association (AIRA) and CDC promoted new HL7 Implementation Guide to address and reduce variability (v 2.5.1, r. 1.5)
- Agreement among IIS to standardize on transport layer
Clinical Decision Support for Immunization (CDSi)

The CDSi resources bridge the gap between the scientific ACIP recommendations and the IT world of computer systems

- Designed to work in a wide variety of computer systems
  - Doesn’t require a single tool to be used
  - Need to able to support all software tools using ACIP logic
- Promotes consistent interpretation of ACIP recommendations in a wide variety of tools
- Helps ensure a patient’s immunization status is current, accurate, and consistent regardless of where the provider is located in the US
How CDSi Bridges the Gap

ACIP Recommendations

Logic Specification Content

Manual Interpretations

Automated Interpretation

"Coding"

CDSi: Clarity, Consistency, and Computability
Cross Jurisdictional Exchange of Immunization Data

Current IIS Data Exchange
- Limited exchange across jurisdictions
- This exchange is currently done point-to-point; mainly batch files; not real time

ONC Initiative
- Pilot states will transfer data via a data hub with partner jurisdictions
- Pilot states will use an adapted version of the CDC Web Services Definition Language (WSDL)
- Pilot states will use the HL7 Immunization Implementation Guide V1.5 (HL7 2.5.1 IZ IG V1.5)

Future?
- All IIS will interface with the hub and exchange data will all other IIS
- All IIS will use the adapted CDC WSDL and HL7 IZ IG V1.5

Advantage of HUBsolution:
- Promotes use of adapted CDC WSDL and HL7 IZ IG V1.5 which will drive interoperability
- Will improve use of bidirectional querying by IIS
- Scalable solution
  - More IIS can easily be added to the hub
  - IIS will be able to theoretically communicate with any other IIS on the hub
Use Case Objective: For an Immunization Information System (IIS) to respond to a transaction that contains current or historical addresses that are outside its jurisdiction by triggering a QBP or VXU to the other jurisdiction’s IIS.
Consumer Access to IIS – Two models

• Access through IIS Portal
  – Stand alone IIS Portal for Consumers
  – Physician mediated authentication of patient

• Access through EHR Patient Portal or PHR
  – Interface with IIS to provide history and forecast
  – Trust EHR/PHR for authentication

Project deliverables posted at:
http://www.health.state.mn.us/e-health/patientengage.html
Consumer Access Pilots

- Indiana
- Alaska
- Washington
- Louisiana
- West Virginia
- Arizona
Provider Frequently Asked Questions

- What is [Program Name]? [Program Name] gives patients access to their own and their family members’ immunization records, and allows them to download and access official copies to satisfy the requirements of schools, day care programs, employers and others who require proof of immunization.
- What are the goals of [Program Name]?
  - Giving patients access to their own and their families’ immunization records
  - From a consumer perspective, the goal is to enable patients to take greater control over their health
  - To provide official immunization records
  - To promote the use of a common immunization information system

Provider Frequently Asked Questions, continued

- How soon will a patient be able to see their updated records following an immunization?
  - The time frame can vary depending on how frequently your facility updates the state immunization information system.
- Can any healthcare provider use [Program Name]? [Program Name] is a secure, HIPAA-compliant, patient-authorized, and staff-verified system. All patients enrolled in the program can use the system.
- What’s patient-identified data access in their immunization records?
  - Patients should share any updates to their records with their office staff in order to maintain their immunization records.
- Does [Program Name] keep patients’ records secure?
  - Yes. Patient and provider access [Program Name] through their own unique usernames and passwords. No other personal information is available through the tool, and records can only be modified by the patient or the provider.
- How do patients have access to patients’ records?
  - Patients have access to their own records through the tool. If they do not activate the account within 10 days, they will be contacted by the office.
- Does [Program Name] work with Blue Button?
  - Yes. [Program Name] is a secure, HIPAA-compliant, patient-authorized, and staff-verified system. All patients enrolled in the program can use the system.
- What if I need help authenticating a patient account?

To learn more or to participate in [Program Name], call or email [Contact Name, phone, email].

000-000-0000
ProgramName.com
Panelist Comments/Questions