Adult IIS Capture and AIRA Initiatives Update

NAIIS
April 14, 2022
Liz Abbott, MPH

Overview for the Session

• Status of Adult Capture
• AIRA/Partner Initiatives
• Resources
• Questions
Adult Capture Status

Data Capture Across All IIS – 2020

- Children Under 6: 94%
- Adolescents 11-17: 84%
- Adults 19+: 68%

- Participation for children and adolescents requires two or more vaccines
- Participation for adults requires at least one adult vaccine

Percentage of adults aged ≥19 years participating in an IIS
United States, five cities§, and D.C., 2020 (adapted)

- <25%
- 25%-49%
- 50%-74%
- 75%-94%
- ≥95%

§Chicago, Houston, New York City, Philadelphia, San Antonio

National Participation: 68% (excluding Territories)

Landscape Analysis

Adult Vaccination Capture in IIS

- Prioritize, fund, staff adult vaccination capture activities
- Motivate providers to report
- Reduce or eliminate barriers to reporting
- Address data confidence/data quality concerns

Landscape Analysis
National Adult Vaccination Coverage

- “Among the challenges clinicians face in assessing the need for vaccination is availability of a complete and accurate vaccination history along with access at the point of care to the most current vaccination recommendations.

- Enhancing provider access to IIS could help improve vaccination coverage because IIS can provide consolidated immunization histories for use by a vaccination provider in determining appropriate client vaccinations.”

- Nationwide adoption of electronic health records, many of which have the capacity for patient-centered clinical decision support, also offer opportunities for improving adult vaccination coverage.

Bidirectional Data Exchange

- In 2020, IIS reported over 121,000 HL7 data exchange connections
  - 2021 data forthcoming

- ~58% of connections were bidirectional
  - ~46% in 2019

Success in Louisiana

- **4x annual VFC workload in 22 weeks**
  - Enrolled +2,444 COVID providers as of July 2021
  - New provider types—pharmacy, LTC, specialists

- **36.6% increase in adults** with 2 or more vaccines in LINKS (October 2020-July 2021)

- Emphasized importance of systems with bi-directional interface for real time data to inform decisions

- Offered enormous volume of vaccine directly impacting pandemic

Provider Retention

**Factors supportive of provider retention following emergency response**

- Ongoing use of the IIS must be integrated into the clinic workflow, and reporting must be easy, automatic, and sustainable.
- Reporting will continue if the provider sees the benefit of reporting and receives value from having access to consolidated records and IIS features.
- Providing feedback through metrics, coverage rates, and provider report cards to show that participation is having a positive impact.
- Improving data saturation and data quality for better patient matches and clinical decision support.
AIRA & Partner Initiatives

Onboarding Shared Services (OSS)
Onboarding Shared Services (OSS)

- Dedicated support to IIS for provider onboarding provided by AIRA and funded by CDC
- Goals:
  - Reduce IIS backlogs of providers waiting to onboard
  - Enhance and accelerate jurisdictional ability to onboard
  - Increase standardization to improve
    - Timeliness of interfaces
    - Completeness and accuracy of data
- Utilizes and promotes the Onboarding Consensus-Based Recommendations

Services provided

- Technical Assistance (direct onboarding assistance)
- Solutions for provider self-testing prior to onboarding
- Onboarding process and documentation development and consultation
- Onboarding and interoperability training

Piloting various services with 8 jurisdictions
Immunization Integration Program (IIP)

IIP Goals & Strategies

- **Goal:** Improve interoperability between EHRs and IIS
- **Strategies:**
  - **Testing & Recognition Initiative** – EHRs can demonstrate and be tested on immunization capabilities (alternative testing method for ONC (f)(1) certification)
  - **Collaborative** – diverse forum to develop and support adoption for interoperability solutions
  - Evaluation and Communication
2022 Collaborative Priorities

1. Access Bulk Query Data from IIS
   Large provider organizations and health payers would benefit from a standardized way to access large amounts of IIS data for their patients/members.

2. Data Validation, Reasons for IIS Rejections
   Inconsistency in how data is entered such as dates entered in the future, birth date discrepancies, or missing fields can cause IIS to reject immunization messages.

3. Capture of Race & Ethnicity
   The capture of race and ethnicity is uneven across the immunization information ecosystem.

4. Regular Updates of Code Sets
   When one data exchange partner has implemented new codes (e.g., NDCs for annual flu vaccine) and the other partner has not, it can impede data interoperability including preventing patients' vaccinations from being recorded properly.

ONC Immunization Data Exchange Advancement and Sharing Project (IDEAS)
ONC IDEAS Project

- Aims to build and expand partnerships between state, regional, or local health information exchanges (HIEs) and IIS to promote and advance vaccine data sharing

- ASTHO, AIM, AIRA, and partners will convene a learning community and provide financial and technical assistance (TA) to state teams

- Improved partnerships and data sharing can support improved vaccine reporting, identification and prioritization of vulnerable populations, adverse event monitoring, longitudinal study/review, and data analysis to inform decision-making

AIRA National Meeting, April 26-27

- **Keynote:** Dr. David Ross, CEO & President of the Task Force for Global Health
- **Panel Presentation on Data Modernization**
  - 5 plenaries
  - 3 breakout sessions, 15 tracks, 50 presentations
  - 2 special sessions
  - And more!

[www.airanationalmeeting.org](http://www.airanationalmeeting.org)
Public Comment and Advocacy

- AIRA comments on Vaccines Federal Implementation Plan
- AIRA comments on NCQA HEDIS Adult Immunization Measure
- Technical review of Medicaid and Chip Payment and Access Commission (MACPAC) recommendations to improve vaccine access for adults in Medicaid
- AVAC participation
  - e.g. Immunization Infrastructure Modernization Act, H.R. 550

AIRA Repository
Thank You

Questions? Abbott@immregistries.org
AIRA Website: www.immregistries.org