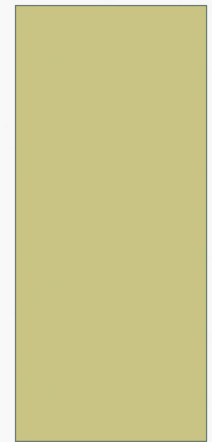




**Immunization Information Systems for a New Era**

# AMERICAN IMMUNIZATION REGISTRY ASSOCIATION

ALISON CHI, PROGRAM DIRECTOR



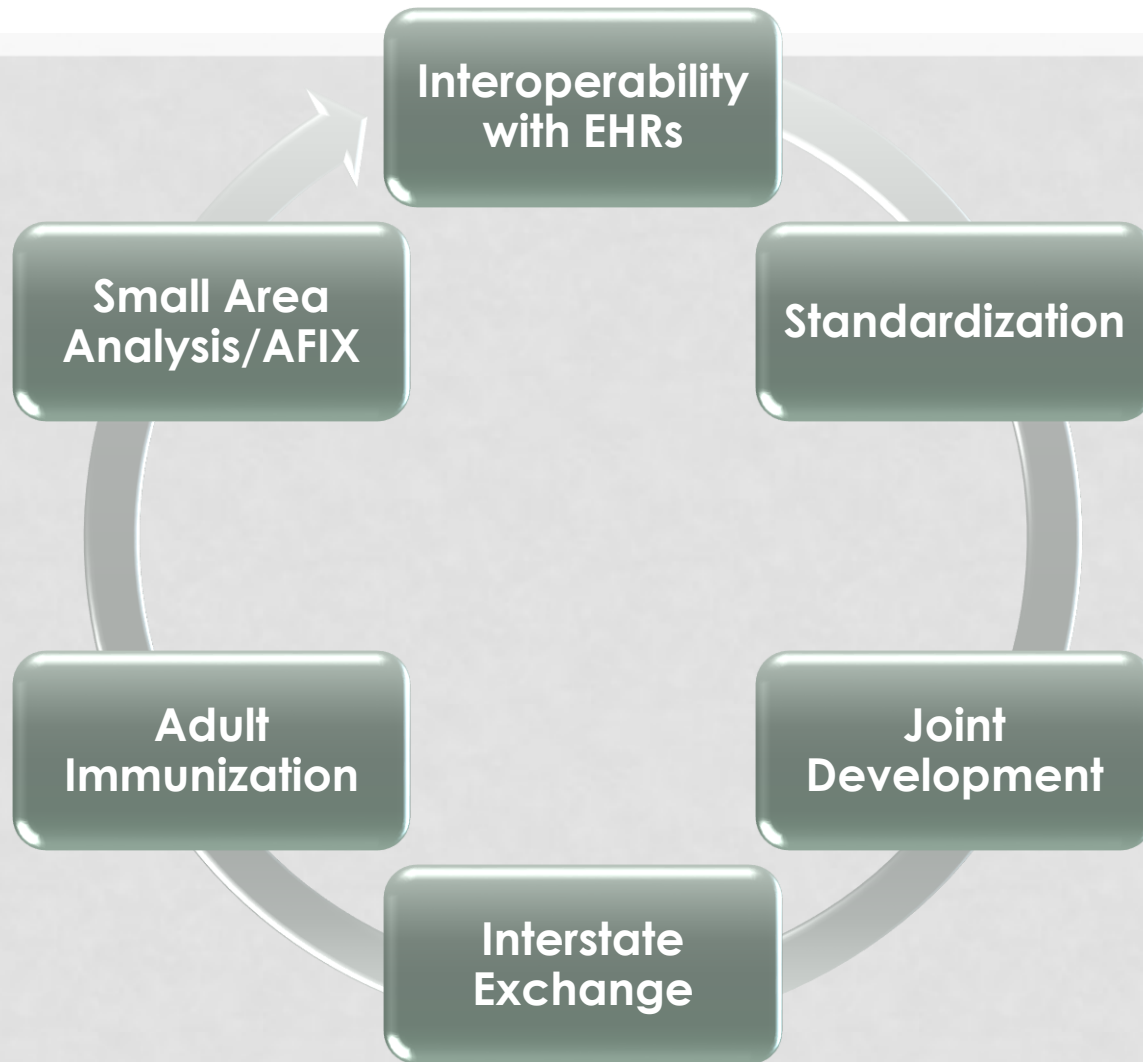
# WHAT IS AIRA

- A way to work together to develop standards, best practices, develop and share strategies and provide education to IIS.
- AIRA's mission is to promote and support the use of immunization information to ensure healthy communities.
- AIRA's vision is to facilitate the sharing and use of immunization information by all partners and ensure that immunization information systems are fully supported and represented.

# WHAT IS AIRA?



# NATIONAL THEMES

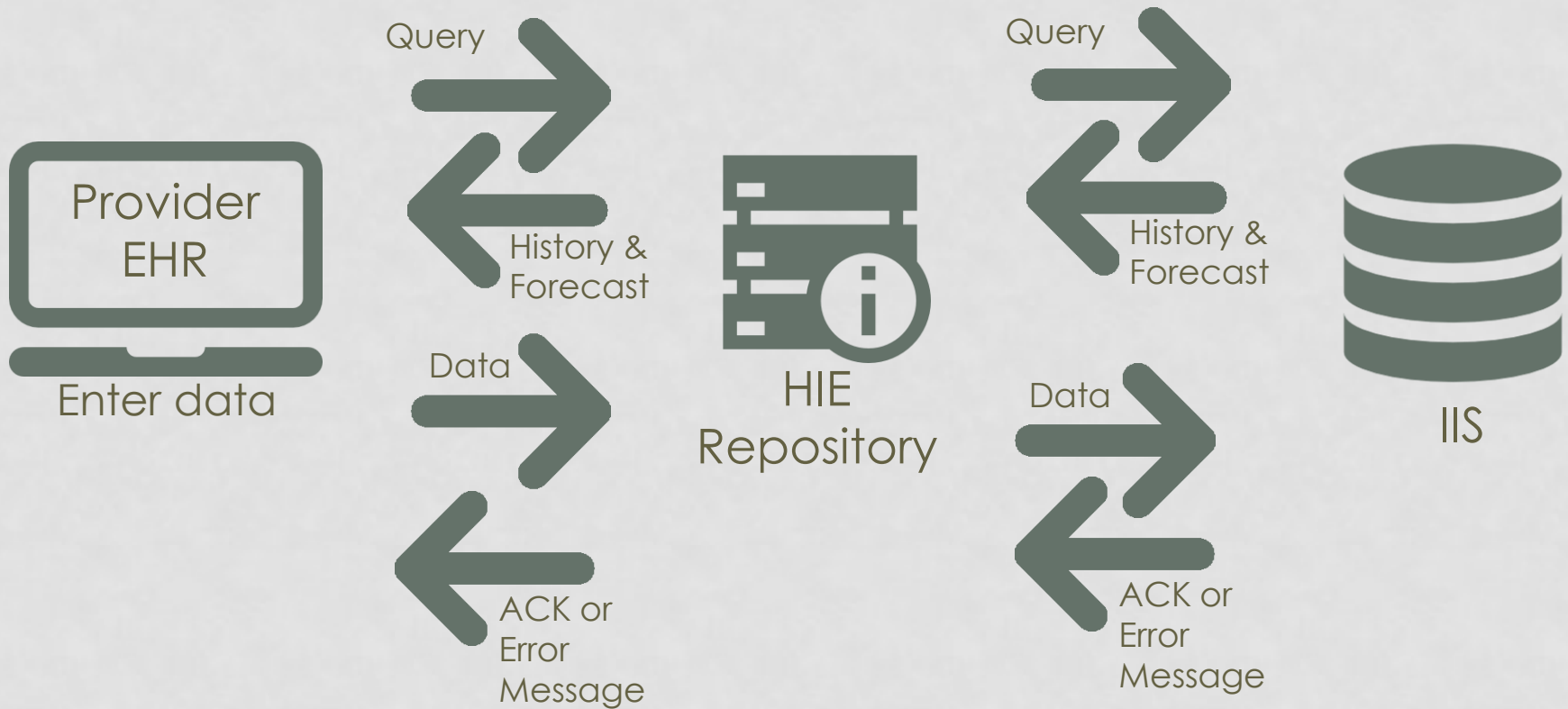


# IIS & ADULT IMMUNIZATION

Why is increased use of IIS a strategy for increasing adult immunization rates? For the same reasons it has been a strategy for increasing childhood immunization rates for the past 20 years

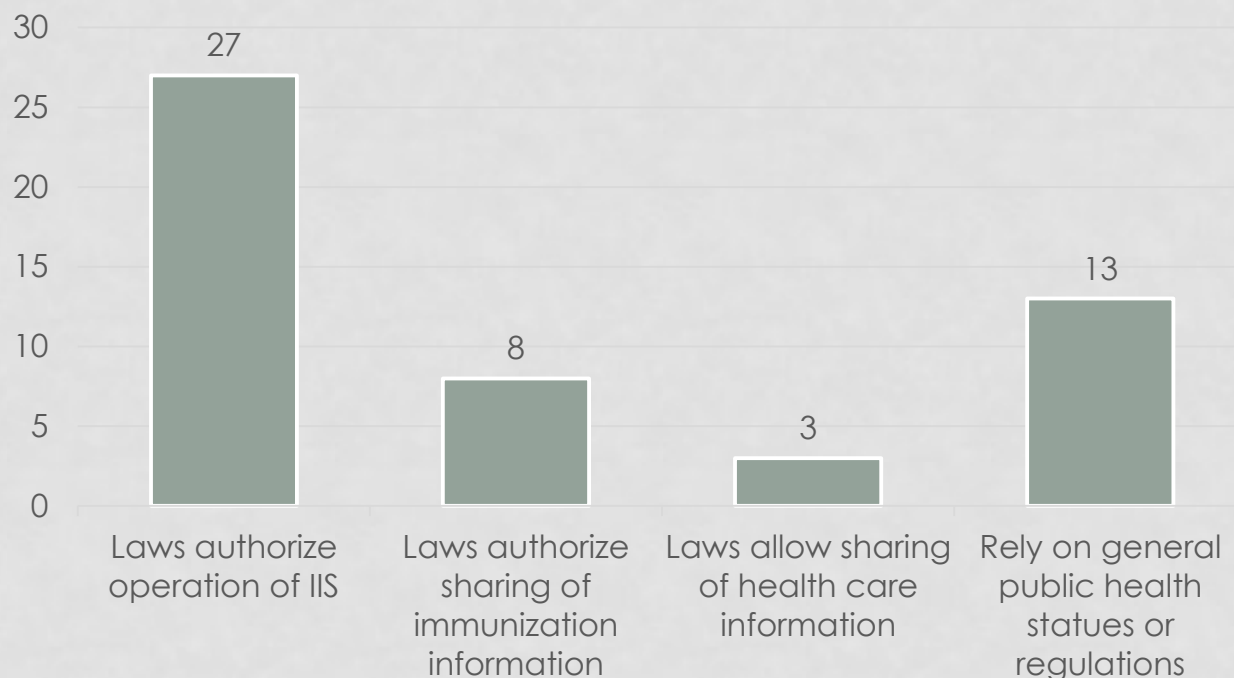
- **IIS create** a comprehensive immunization record by collecting immunization data from both private and public health care providers, pharmacies, and other immunizers
- **IIS generate** reminders to ensure on-time immunization
- **IIS assist** with clinical decision support and forecasting to avoid over-immunizing or missed opportunities
- **IIS assist** with vaccine ordering and inventory management

# DATA → EHR → HIE → IIS



# IIS & ADULT IMMUNIZATIONS: AUTHORITY TO OPERATE

51 Jurisdictions Authorized to Operate  
an IIS for Adults

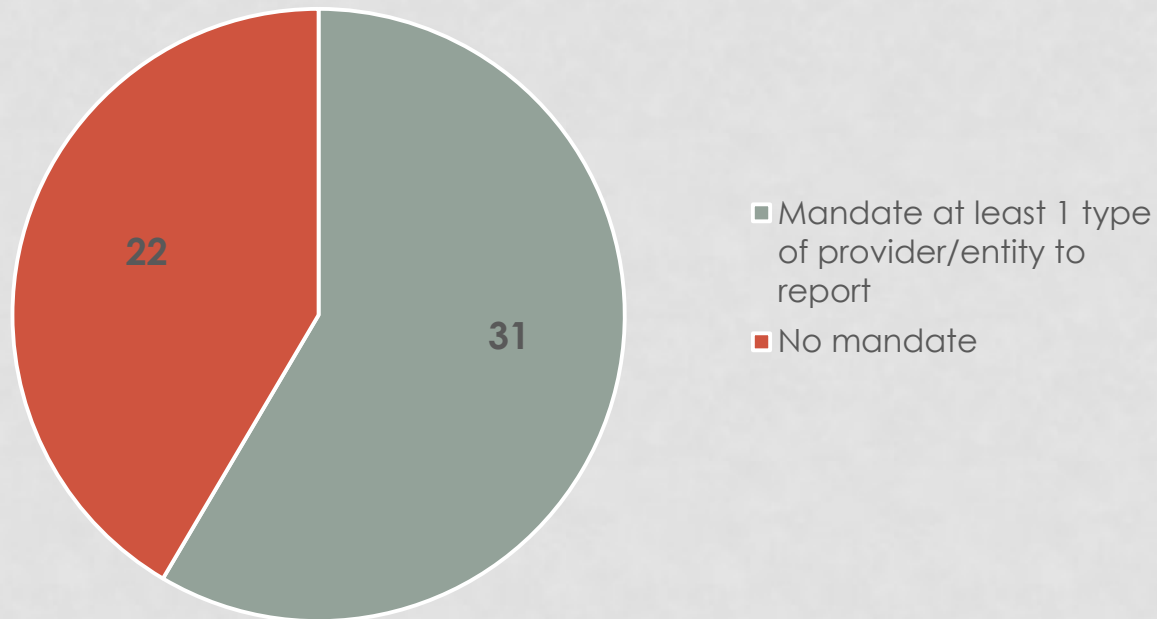


Martin DW, Lowery NE, Brand B, Gold R, Horlick G. Immunization Information Systems: A Decade of Progress in Law and Policy. *Journal of Public Health Management and Practice*, July/August 2014 - Issue 4.



# IIS & ADULT IMMUNIZATIONS:

## 31 IIS WITH REPORTING MANDATES

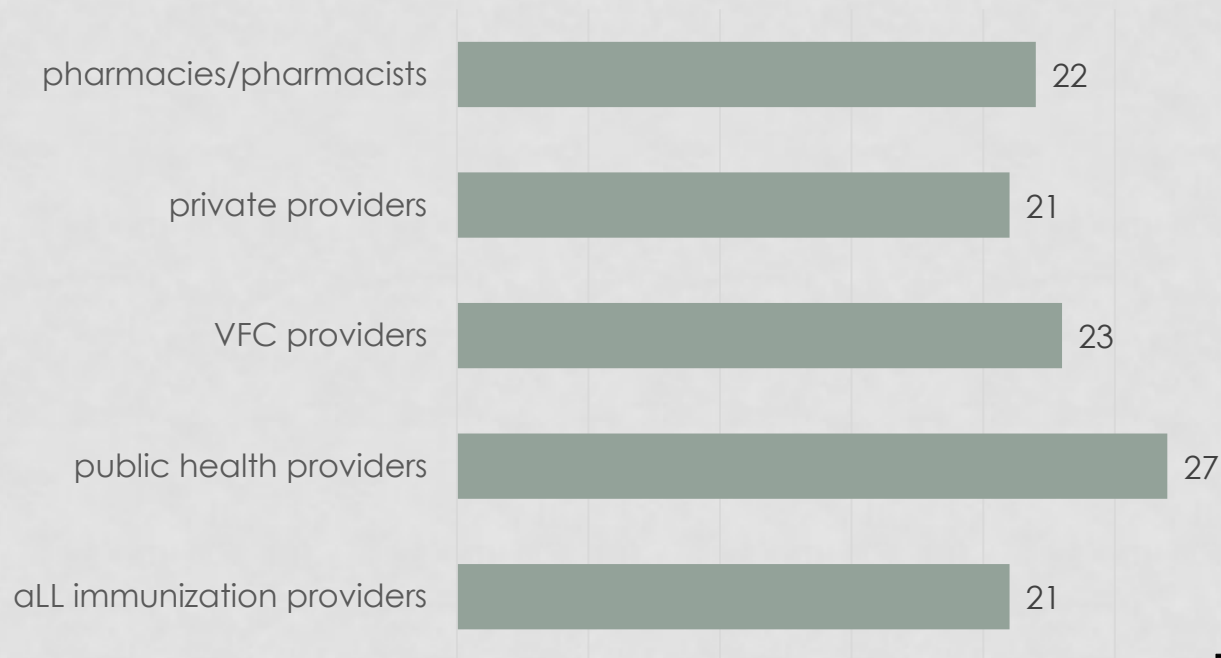


Martin DW, Lowery NE, Brand B, Gold R, Horlick G. Immunization Information Systems: A Decade of Progress in Law and Policy. *Journal of Public Health Management and Practice*, July/August 2014 - Issue 4.



# IIS & ADULT IMMUNIZATIONS:

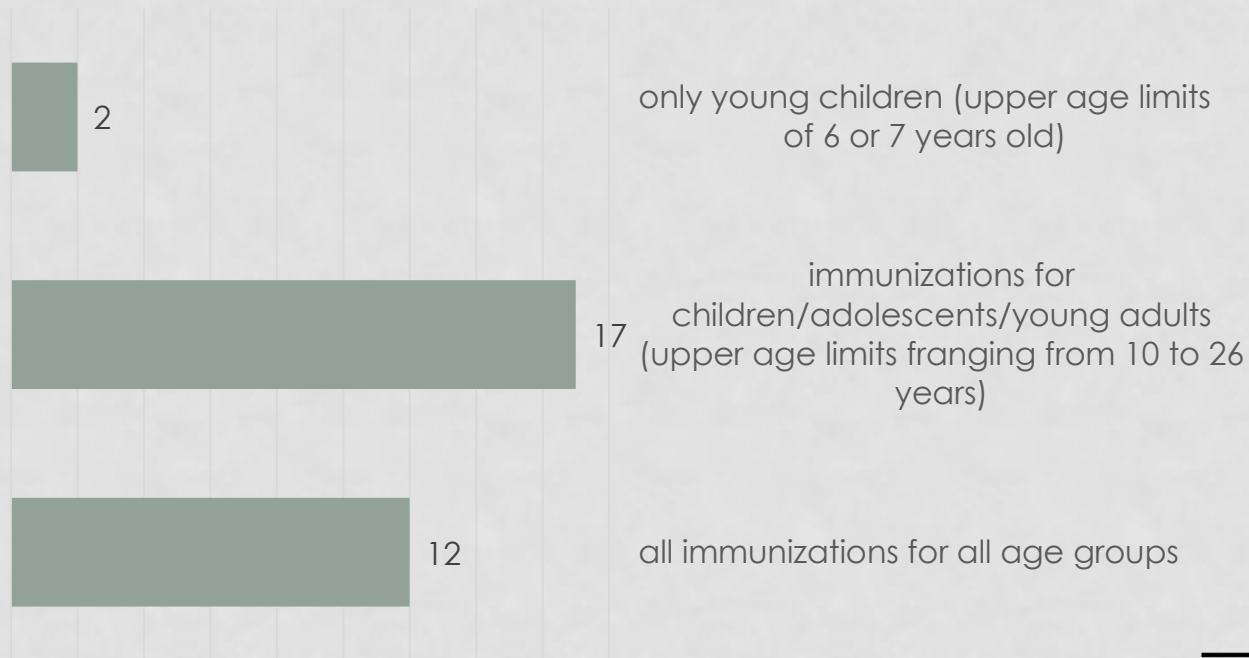
**For jurisdictions with mandates (31), who is mandated to report?**



Martin DW, Lowery NE, Brand B, Gold R, Horlick G. Immunization Information Systems: A Decade of Progress in Law and Policy. *Journal of Public Health Management and Practice*, July/August 2014 - Issue 4.

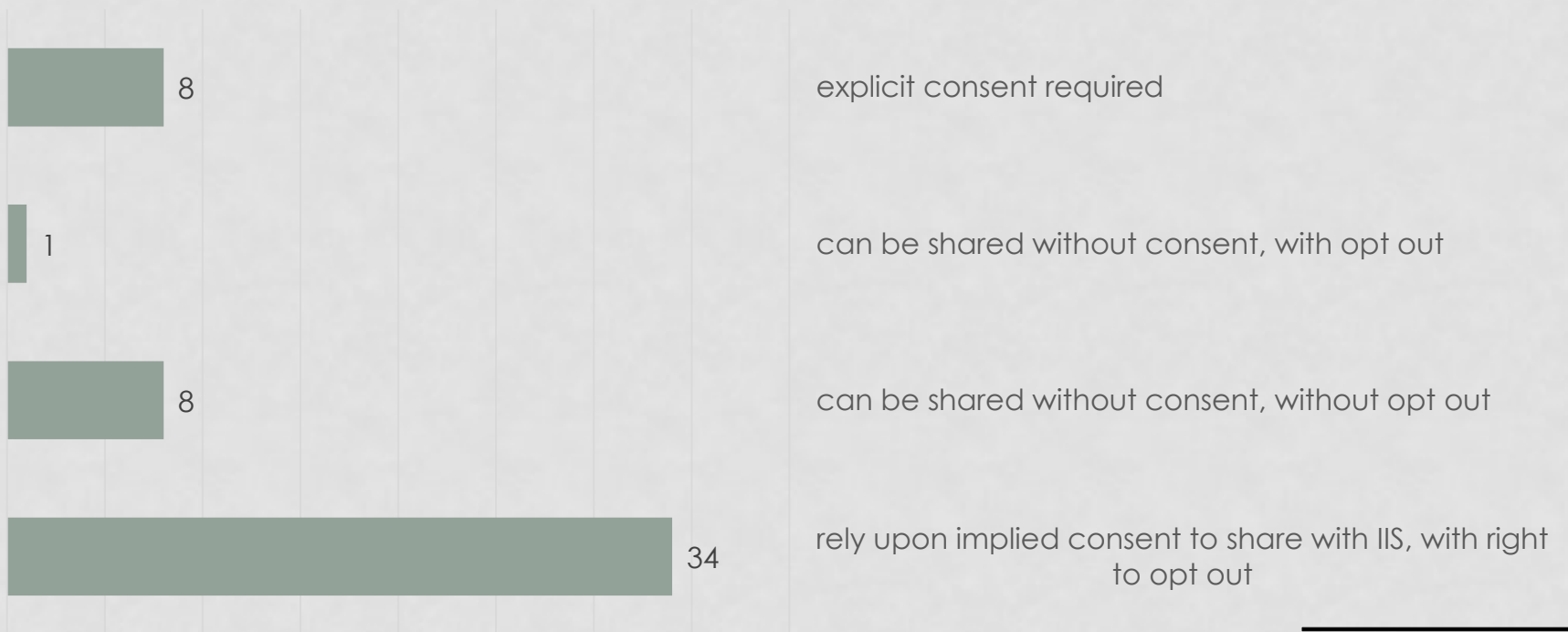
# IIS & ADULT IMMUNIZATIONS:

**For jurisdictions with mandates (31), for whom do shots get reported?**



# IIS & ADULT IMMUNIZATIONS:

## Consent to share adult immunization information (51 jurisdictions)



Martin DW, Lowery NE, Brand B, Gold R, Horlick G. Immunization Information Systems: A Decade of Progress in Law and Policy. *Journal of Public Health Management and Practice*, July/August 2014 - Issue 4.

# USING IIS TO IMPROVE ADULT IMMUNIZATION RATES: EXAMPLES

Arizona

- Currently testing the impact of providing access to state IIS for employer on-site flu clinics

Iowa

- Added adult benchmark reports in 2013

Minnesota

- Creating assessment reports & tools; working with pharmacies; healthcare worker vaccination program

Washington State

- Pilot tested the impact of providing on-line real-time IIS access to pharmacists when a customer requested an immunization.
- Pilot was done in partnership with STC & Bartell Drugs

# USING IIS TO IMPROVE ADULT IMMUNIZATION RATES: MINNESOTA

Minnesota focus on IIS/adult immunization initiatives:

- Adult immunizations included in quarterly assessment provided to local public health & regional coordinators to identify areas with low adult immunization rates/enable targeted outreach
- Currently building an adult assessment report into IIS user interface
- Modifying IIS Client Follow-Up tool to include adult immunizations. Will allow a provider to directly follow-up with their patients who are due or overdue for immunizations
- Pharmacy Initiatives – developed a video for pharmacists showing that the IIS is an easy tool to use in assessing a patients' immunization needs and recommending appropriate vaccines for patients. The video can be seen on [MDH YouTube channel](#)
- Healthcare worker vaccination program – all reporting for program is done through the IIS

# USING IIS TO IMPROVE ADULT IMMUNIZATION RATES: WASHINGTON

Results of Washington State pilot providing on-line real-time IIS access to pharmacists:

- Immunizations provided to individuals from 5 – 85 years of age
- Pharmacists were able to access the state IIS for an individual 94% of the time, and 78% of the customers queried were found in the IIS
- 72% of customers were determined through decision support to be due or past due for an immunization
- Averaged over 2 additional immunizations needed per adult

# PHARMACIES & IIS

- January 2014 - AIRA published report on survey of immunization reporting to IIS by major U.S. pharmacies  
[http://www.immregistries.org/resources/AIRA\\_Pharmacy\\_IIS\\_White\\_Paper.pdf](http://www.immregistries.org/resources/AIRA_Pharmacy_IIS_White_Paper.pdf)
- Major findings:
  - Of the state and project areas that responded to the survey (n=45), pharmacies are allowed to provide vaccinations in 42 (93%) of the project areas.
  - Pharmacies report doses administered to IIS in 36 (80%) jurisdictions and are required to report in 22 (49%).
  - Pharmacists will generally administer whatever vaccinations they are allowed to administer in accordance with individual state laws





# PHARMACIES & IIS

## Successes

- Significant increase in adult immunization records
- Improved quality of adult data
- Improvement of overall patient care

## Challenges:

- IIS perspective: data quality issues, inability to collect required data elements, inability to generate file format supported by IIS
- Pharmacy perspective: restrictions on type of files IIS are willing to accept, IIS consent requirements, limited staffing resources on IIS side

# PROVIDERS & IIS

## Provider Benefits:

- Decision support
  - Determine if patients are due or past due for an immunization
- Reminder/Recall
  - Use IIS to generate reminders, increase # of patients identified as due for immunizations
- Real-time bi-directional exchange with IIS
  - Immediate decision support = increased # of patients identified as due for immunizations while patient is in front of provider
  - Accessibility of information within provider workflow
  - Avoid double data entry
- Inventory management
  - Reduce the work of meeting accountability and reporting requirements

# IIS CHALLENGES & SUCCESSES

- **Successes**

- All but one state has a IIS and they are in development
- Most IIS are able to electronically exchange information with medical providers
- Have standardized many operations and functions
  - Patient de-duplication
  - Vaccine Data Quality
  - Patient status
  - Vaccine Forecasting

- **Challenges**

- Percentage of adults in IIS still very low in many jurisdictions
- Policy issues still exist
- Can't easily exchange data with another state (but there is hope!)
- Implementing standards takes time & there is no mandate to implement standards
- There are still many areas that we would like to standardize

# WHAT CAN AIRA DO FOR YOU?

- Visit our website [www.immregistries.org](http://www.immregistries.org) to find useful materials and information
- Email us or call us with questions
- Join AIRA as a member and participate in our activities

# AIRA WEBSITE RESOURCES

The screenshot shows the AIRA website interface. At the top, there is a navigation bar with the AIRA logo (American Immunization Registry Association) and a search bar. Below the navigation bar are tabs for 'About AIRA', 'Membership', 'Events', 'Resources', and 'Member Resources'. The main banner features a woman holding a syringe and the text: 'Promoting the development, implementation and interoperability of Immunization Information Systems'. Below the banner are three columns: 'Resources', 'Membership', and 'What's Happening'. The 'Resources' column describes the website as a central repository for IIS-related information. The 'Membership' column lists reasons to join, such as building partnerships and advocating for funding. The 'What's Happening' column lists election results for President Elect (Amy Metroka) and Secretary (Mary Wolnarowicz), and lists directors and the director.

Google Campus Parent Port... Imported From IE Commons Login ...: Welcome to con...

**AIRA** AMERICAN IMMUNIZATION REGISTRY ASSOCIATION  
Immunization Information Systems for a New Era

What's Happening | Contact Us | Opportunities | Member Login

About AIRA Membership Events Resources Member Resources

**Promoting the development, implementation and interoperability of Immunization Information Systems**

**Resources**

Visit AIRA's resource repository for immunization information system (IIS)-relevant information. You can find AIRA's newsletter snapshots, MIROW best practices, functional and technical standards, and many other IIS-related documents.

**Membership**

AIRA is viewed by its members as the centralized core of activity for IIS development, standardization, and best practices.

**Why Join?**

- To build and maintain strong partnerships with other organizations on issues of common concern to you.
- To advocate for funding of IIS development and enhancement.
- To contribute to the ongoing development and evolution of IIS through knowledge sharing opportunities and capacity building activities.
- To promote, advocate for, develop,

**What's Happening**

**AIRA Election Results**

**President Elect - Amy Metroka**

**Secretary - Mary Wolnarowicz**

**Directors, Voting**

- N. Elaine Lowery
- Karen White
- Kim Salisbury-Keltn

**Director, Non-Voting**

- Katie Reed

www.immregistries.org

# CONTACT INFORMATION

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