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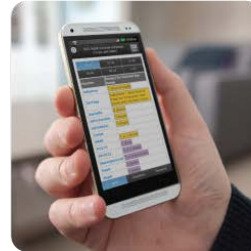
IIS: Foundations for Success

Nancy Messonnier, MD

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American Immunization Registry Association Conference

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Disclosure

- I have no financial interests to disclose.



An aerial, high-angle photograph of a dense urban landscape, likely New York City, showing a multitude of skyscrapers and buildings. A semi-transparent blue gradient overlay covers the bottom portion of the image, where the text is located. At the very bottom, there is a thin horizontal bar composed of several colored segments: blue, purple, green, red, and grey.

What Do We Want to Build?

Vision for IIS

Real time, consolidated immunization data and services for all ages are available for authorized clinical, administrative, and public health users, and consumers, anytime and anywhere.



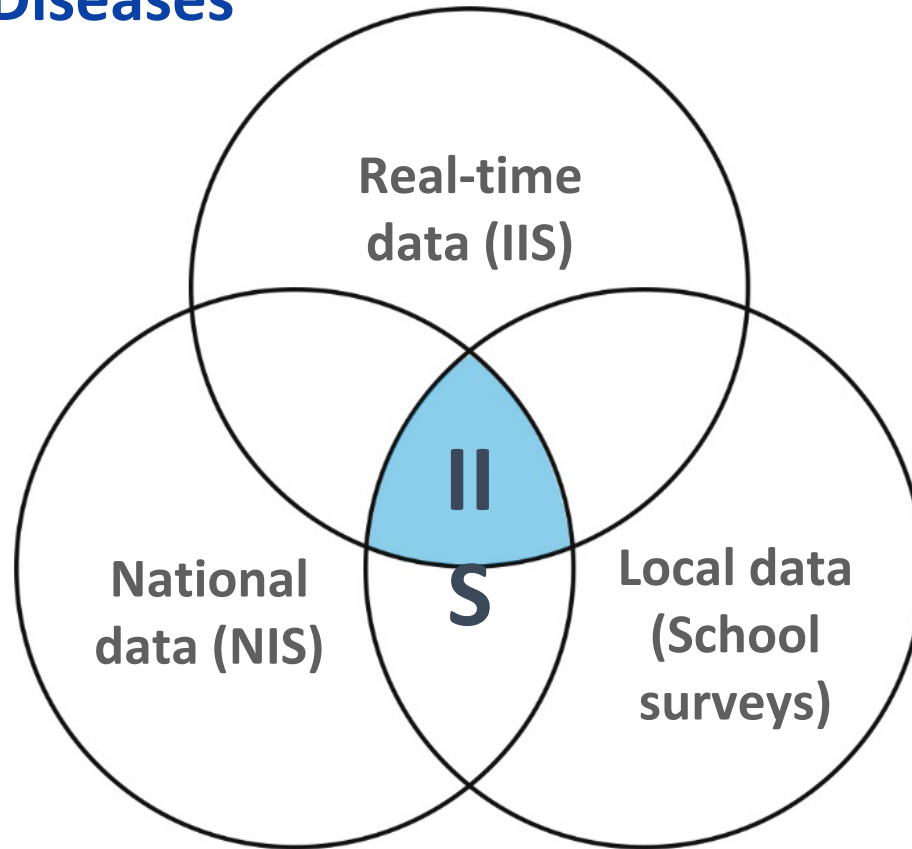
Maintaining and Strengthening Childhood Immunization



Increasing Vaccination Coverage Across the Lifespan

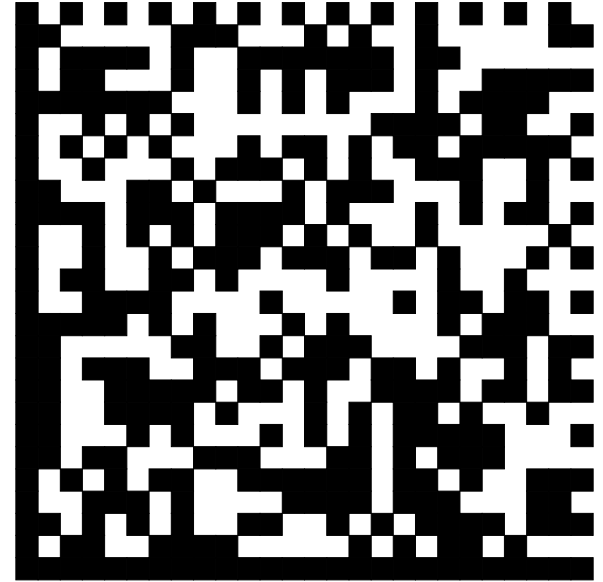


Identifying Communities at Risk for Outbreaks of Vaccine-Preventable Diseases

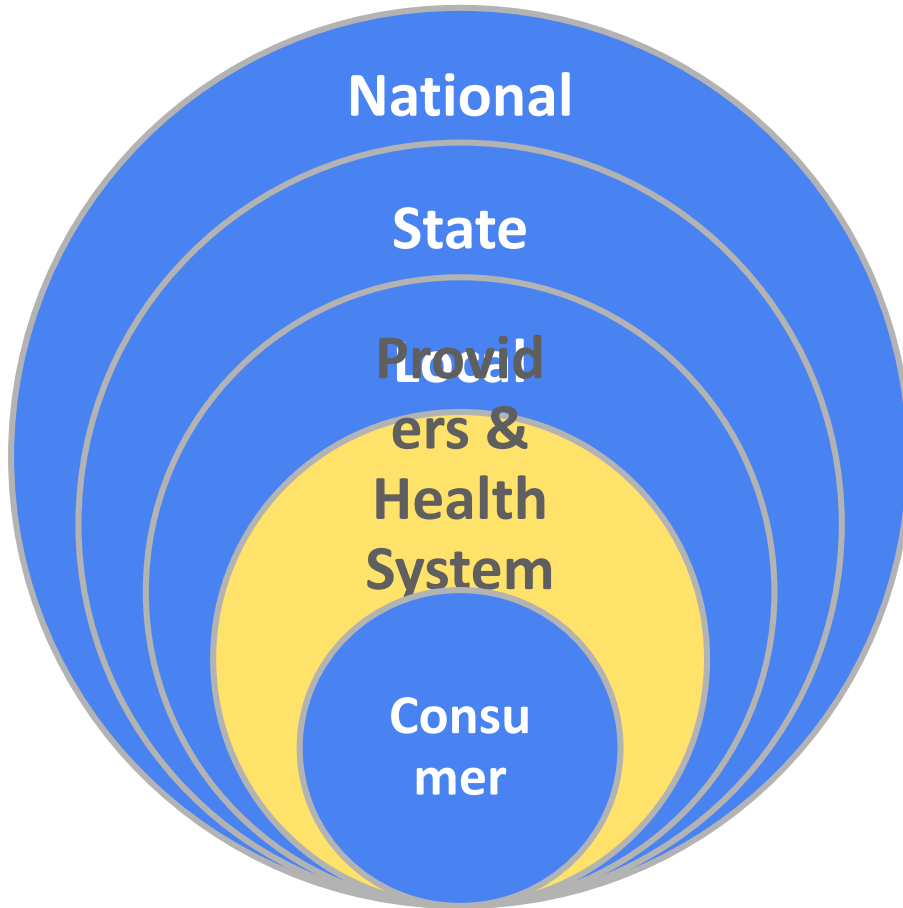


Integration of Technology

- Importance of leveraging and integrating new technologies and systems to improve our capabilities with IIS
 - 2D Barcodes
 - Electronic Health Records
 - Vaccine Tracking System (VTrckS)



IIS Can Make an Impact at Every Level



**Providers & health systems
might be a key area to
increase demand for IIS**



How Do We Build It?

Foundations for Success

Emerging Strategic Priority Areas

**Enhance IIS
Performance**

**Sustain the IIS
Community**

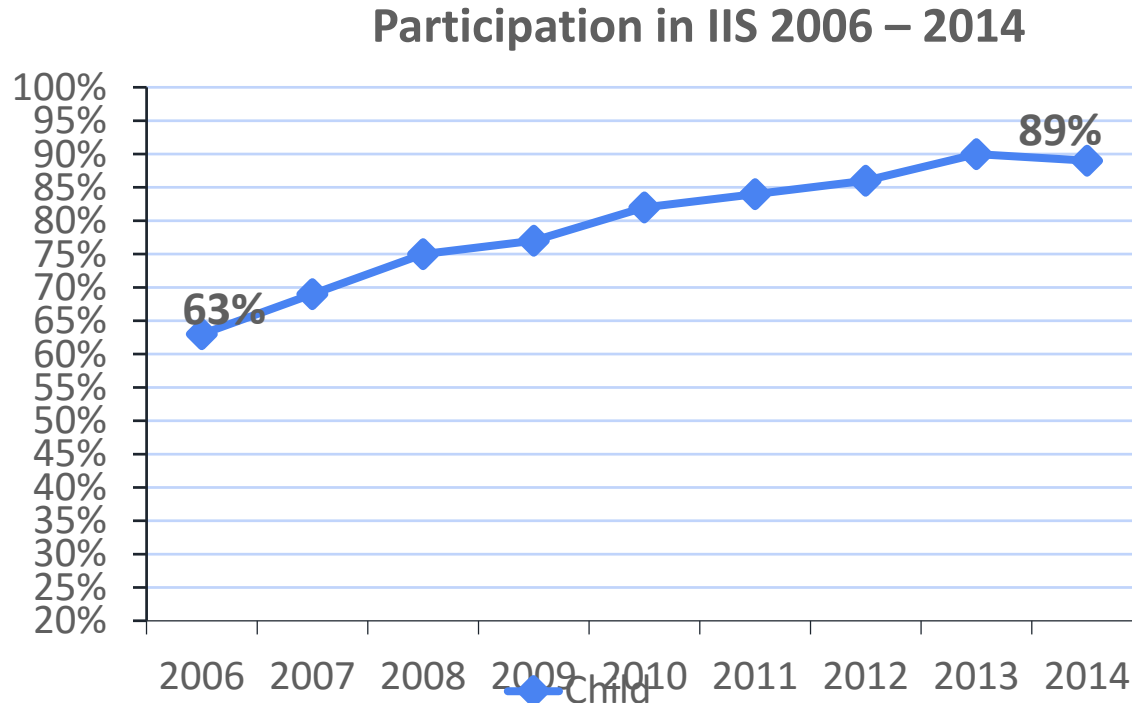
**Influence and
Monitor the Health
IT Environment**

**Promote Adherence
to IIS Standards**

Successes

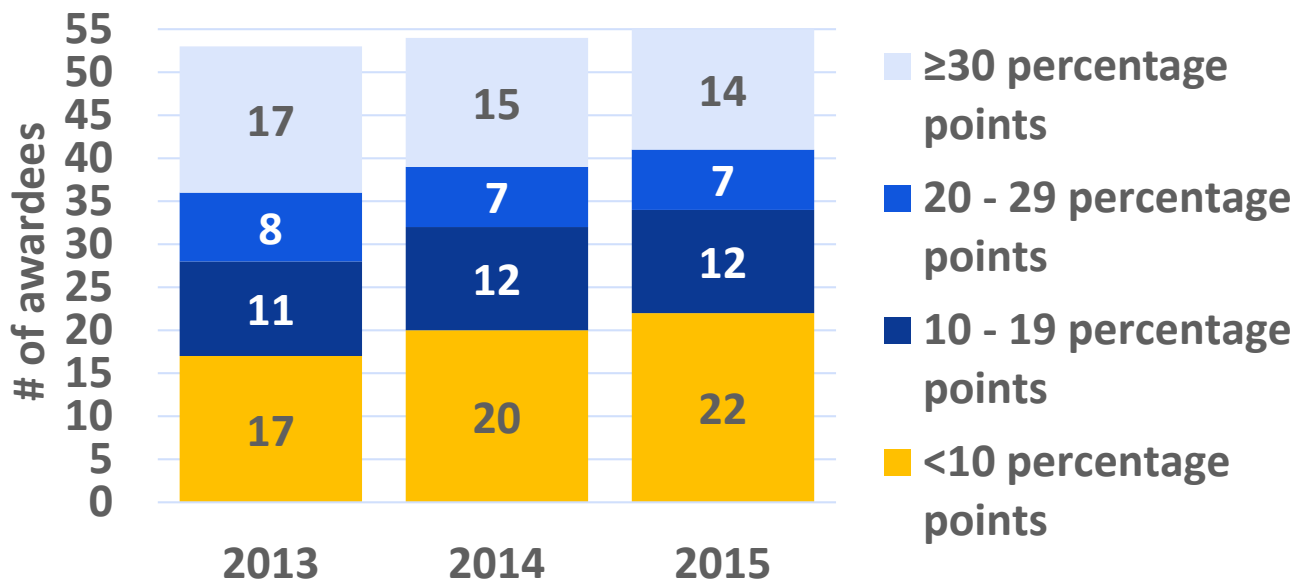


Most Children Have Immunization Records In IIS



IIS Data Completeness Is Improving

Percentage point differences between NIS and IIS for combined 7-vaccine series completion – 2013-2015



Among all awardees reporting in the given year

Integration of VTrcks and IIS

VTrckS Activities and Capabilities

Pilot Begins

First two ExIS Awardees

Manual Data

Upload/Download

For Provider, Inventory,
Orders, and Shipment Data

ALL AWARDEES

TRANSITION

Manual Data

Upload/Download

For Returns and Wastage

Automated Data

Exchange Exploration

While exploring alternatives,
focus on improving ExIS data
quality

2010

2011

2012

2013

2014

2015

2016

2017

Capacity Building

PPHF 11

27 Awardees

PPHF 12

5 Awardees

PPHF 14

24 Awardees

ExIS Impact

Evaluation

Awardee case studies

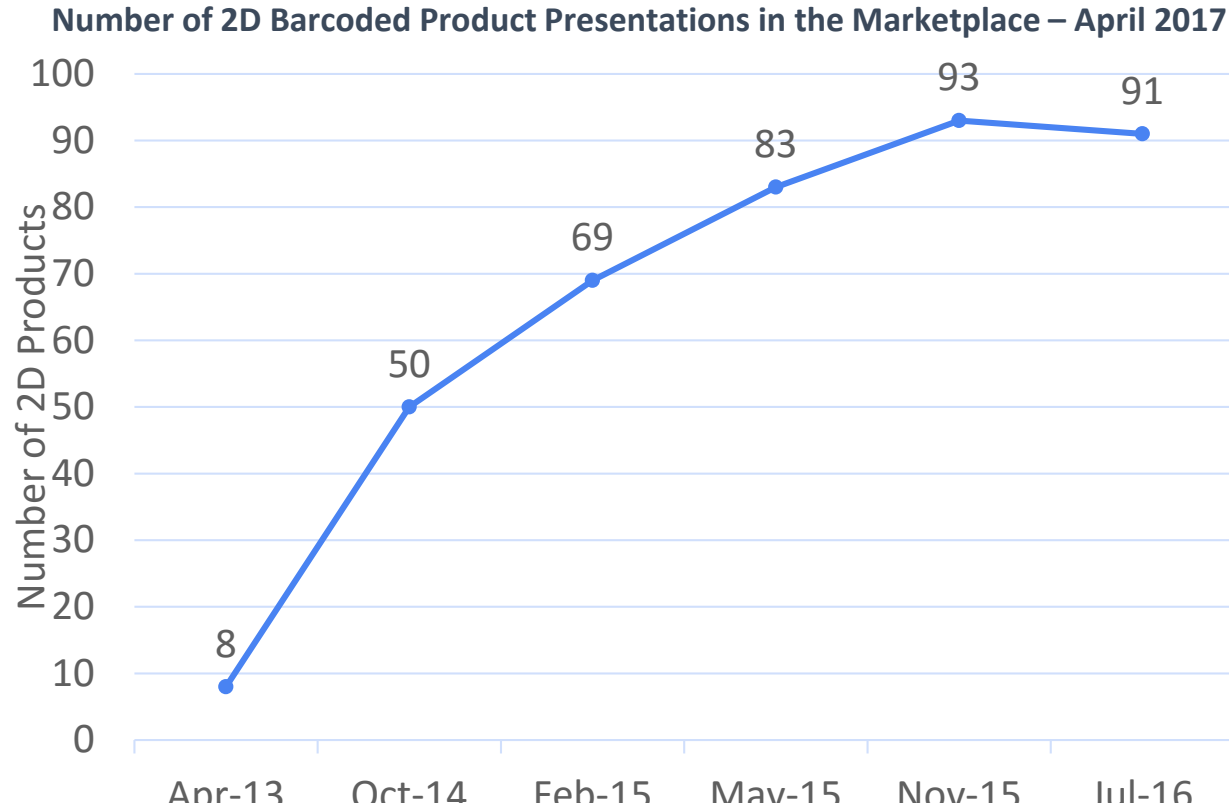
Vendor Platform

Usability Improvement

Vaccine Ordering and Inventory Control Are Now Mostly Integrated Into IIS

- 48 awardees send ExIS orders to VTrckS
- 11 awardee staff enter orders in VTrckS on behalf of providers
- 5 awardee's providers enter orders directly in VTrckS

Improve Immunization in Health Systems: Sutter Barcode Project



Community Collaboration Standards

AFIX

Assessment Feedback Incentives Exchange

AFIX-IIS Integration
Operational and Technical Guidance for Implementing
IIS-Based Coverage Assessment – Phase 1

DATA VALIDATION GUIDE

■ For the IIS Onboarding Process



immregistries.org



Decrementing Inventory via Electronic Data Exchange

Recommendations of the
American Immunization Registry Association (AIRA)
Modeling of Immunization Registry Operations Work Group (MIROW)
Issued on May 9, 2016

PRACTICAL EXAMPLES OF IIS POPULATION-BASED COVERAGE ASSESSMENTS

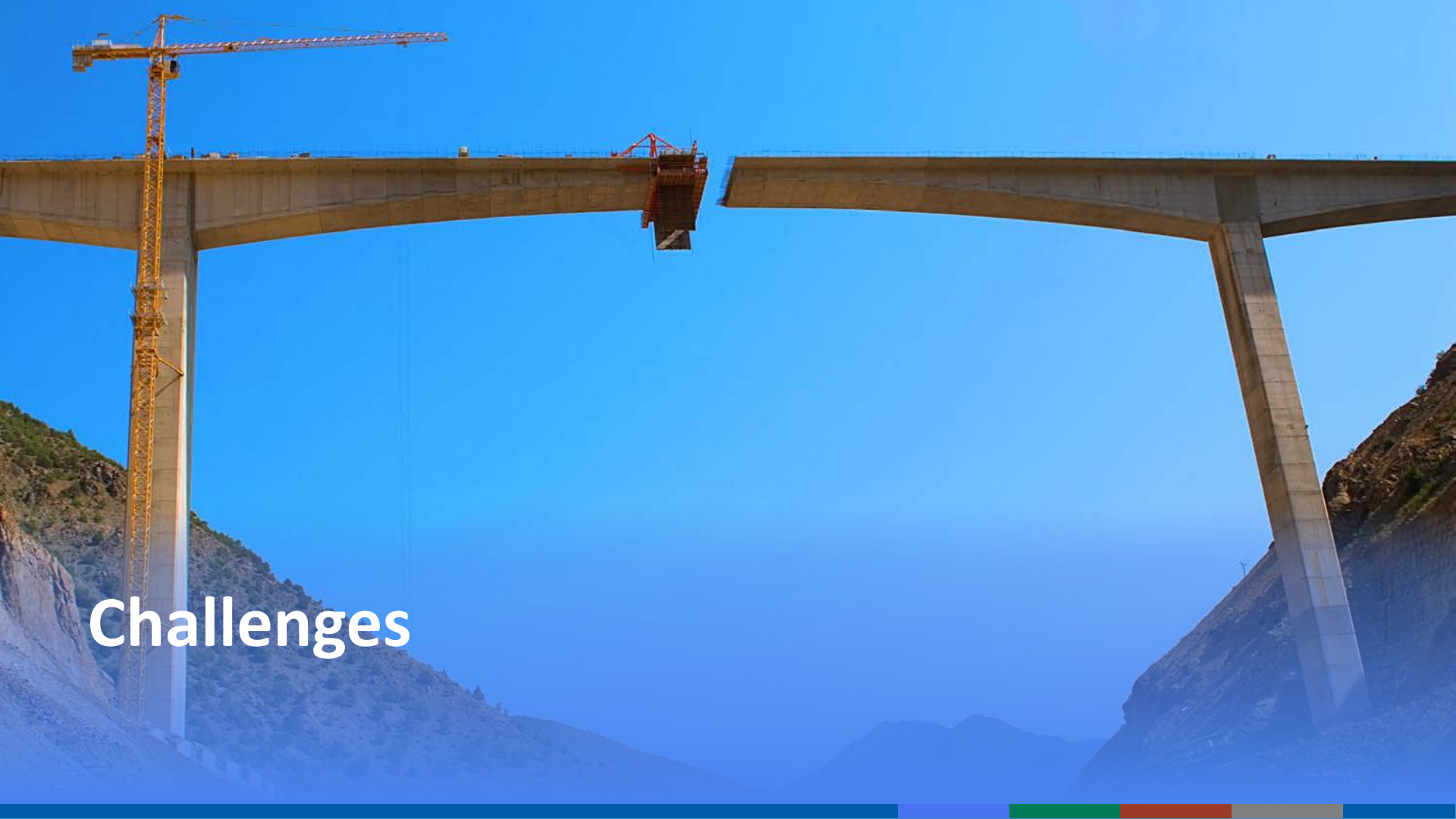
An Addendum to the Analytic Guide for
Assessing Vaccination Coverage Using an IIS

■ March 2017

immregistries.org



HL7 Version 2.5.1
Implementation Guide
for Immunization Messaging



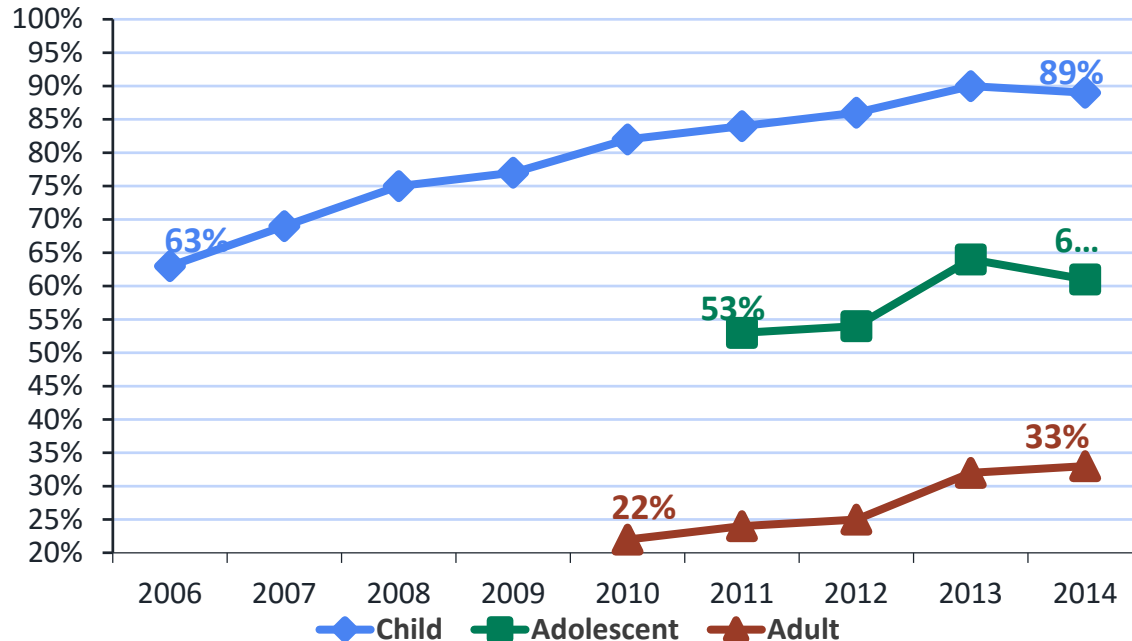
Challenges

Focusing on Where We Can Make the Greatest Impact

- Prioritization is a key issue we are all facing
- A few key things we can focus on to make the greatest impact include:
 - Improving childhood data completeness
 - Improving clinical decision support
 - Improving coverage assessment (provider and geographic)
 - Improving bidirectional exchange

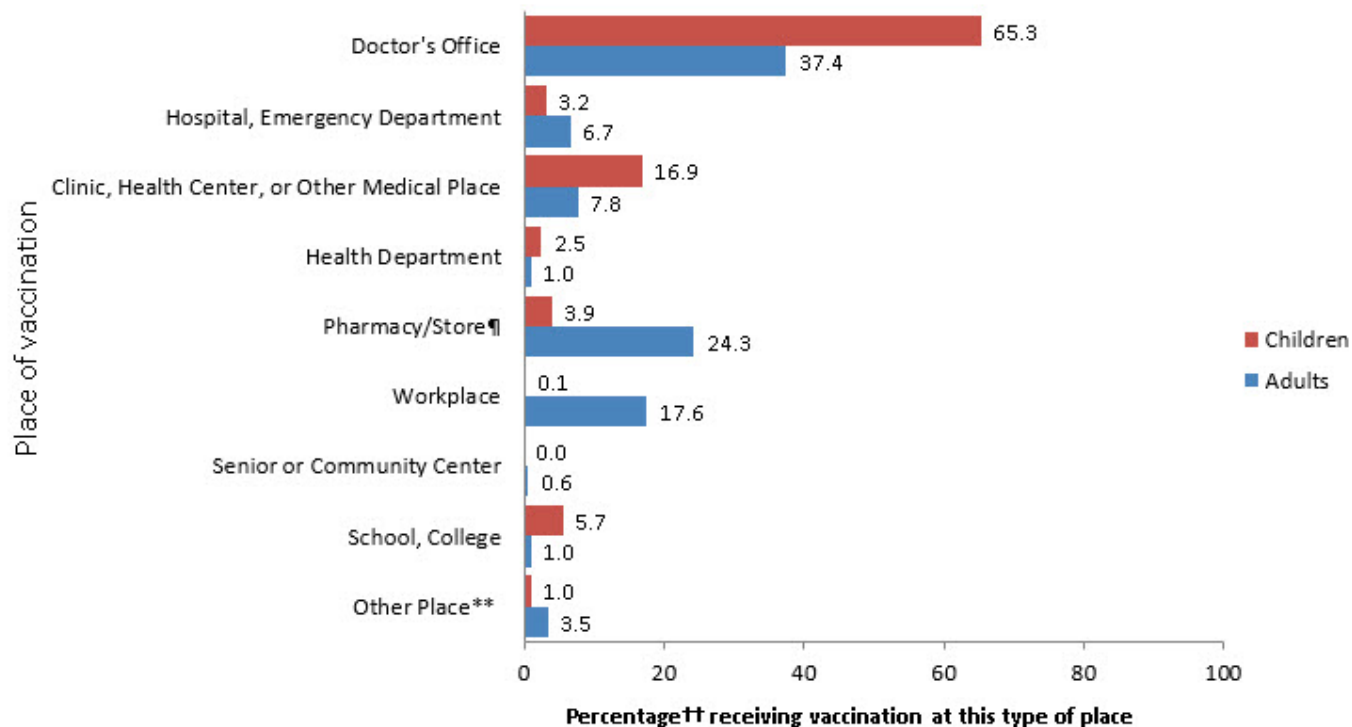
Many Adolescents and Most Adults Don't have Immunization Records in IIS

Participation in IIS 2006 – 2014

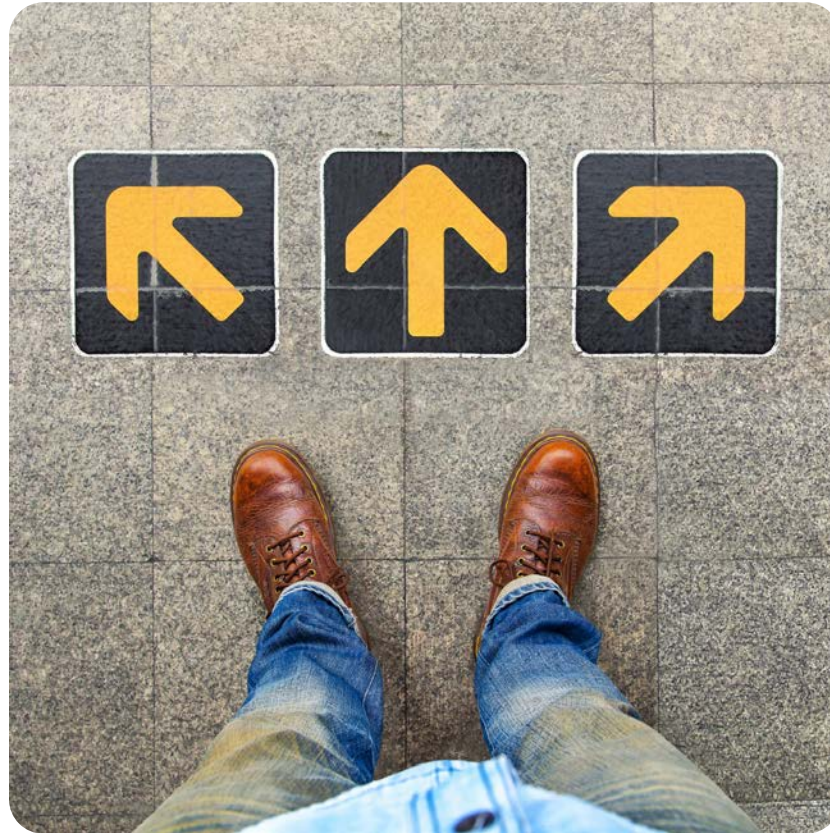


Vaccination in Nontraditional Settings

Place of flu vaccination (%) for children and adults, National Immunization Survey-Flu and National Internet Flu Survey, United States, early 2016–17 flu season



Staying Focused on Fundamentals



A photograph showing a group of people's hands and forearms stacked in a circle, symbolizing teamwork and unity. The hands are of various skin tones, and some have jewelry like rings and a bracelet. The background is a blurred outdoor setting. A blue gradient overlay covers the bottom half of the image, where the word "Opportunities" is written in white.

Opportunities

Key Activities

- CDC is prioritizing key activities to enhance IIS through providing
 - Targeted technical assistance
 - Focused business plan guidance
- AIRA's assessment and certification project is also a critical opportunity to understand what our issues are as a community and prioritize solutions

Creative Solutions to Ensure Sustainability

- Looking into establishing diverse funding streams for IIS activities
- Exploring models of service centers to support and strengthen state IISs
- Examining workforces to address the technical complexities of the IIS environment



Advancing IIS Together

- IIS is essential to preventing vaccine-preventable diseases at all levels from the individual level to the national level
- Importance of states, organizations, and industry groups coming together to achieve our shared vision
- We are a community and it's up to us to build a strong IIS infrastructure
- The ways this community has come together to advance IIS through best practices, standards, and guidelines is commendable

Thank You!

