

Update and Progress in Utilizing EMRs and Immunization Information Systems to Improve Adult Immunizations

Immunization Information Systems: Measurement & Improvement

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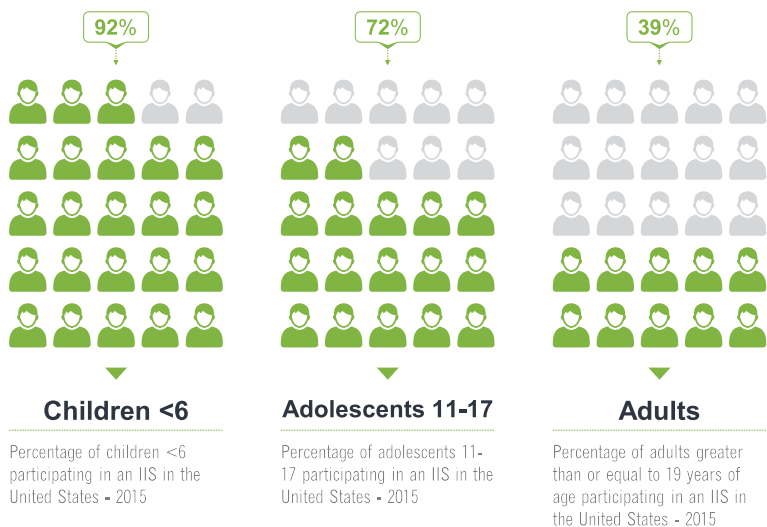


Progress

IIS...

Capture the vaccination status of the population

Percent of the population in an IIS



2015 IISAR <http://www.cdc.gov/vaccines/programs/iis/annual-report-iisar/rates-maps-table.html>

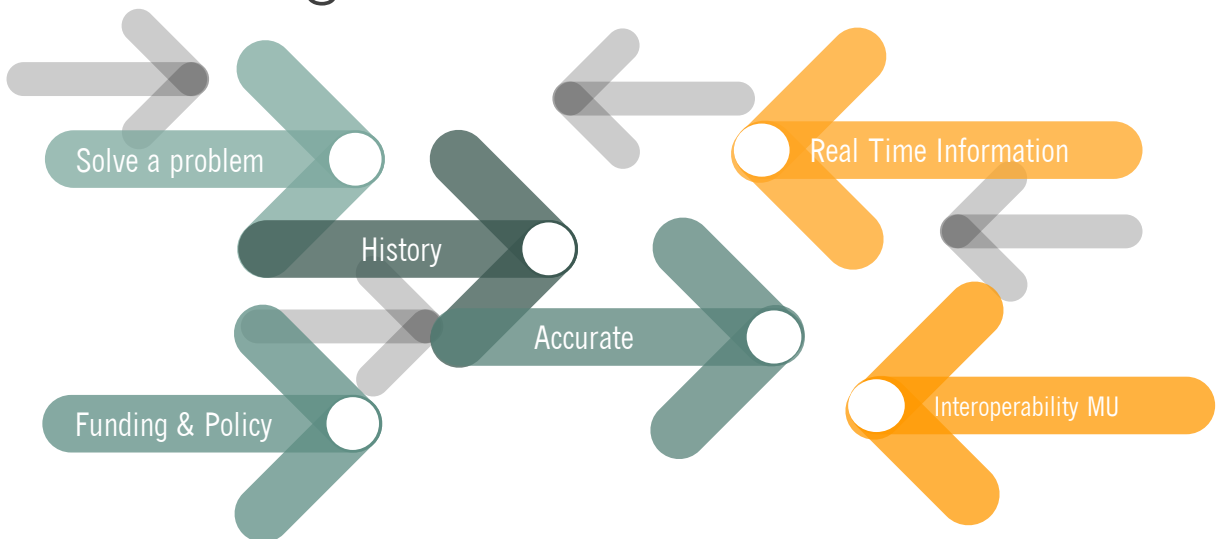
Benefits for Adults

- Adults often need to prove immunity for a variety of reasons
 - Work
 - School
 - Travel
- Adults need their own vaccines
 - Complex schedule
- Health of the providers population
 - Quality measures
- Pandemic preparedness
 - H1N1 taught us a lot about using an IIS during a pandemic
 - More population in an IIS = greater efficiencies

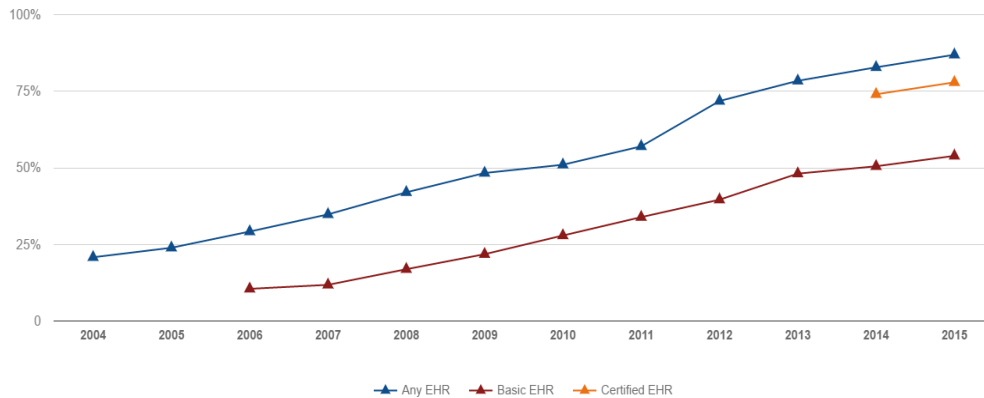
Measurement & Improvement

Goal: Develop a community-driven, independent measurement process to assess and support IIS alignment with standards and best practices

Influencing Factors



The Importance of Interoperability



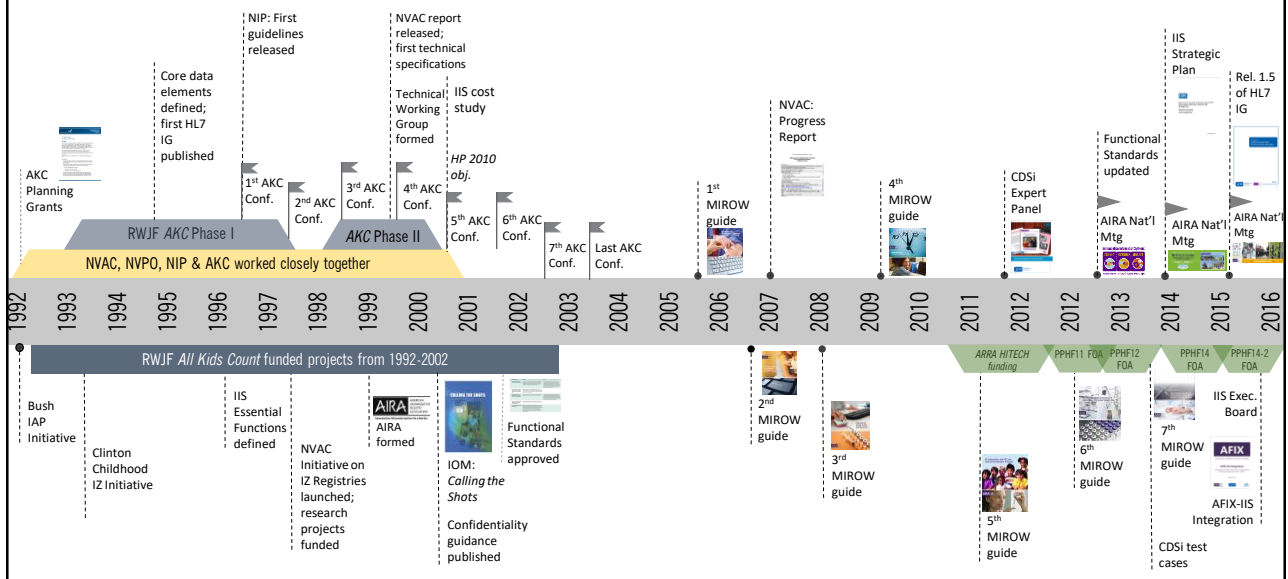
ONC Health IT Dashboard: <https://dashboard.healthit.gov/quickstats/pages/physician-ehr-adoption-trends.php>

Influencing Factors – Immunization Programs

- Need for harmonization
- Greater need for streamlining efficiencies and managing limited resources
 - 58 different IIS

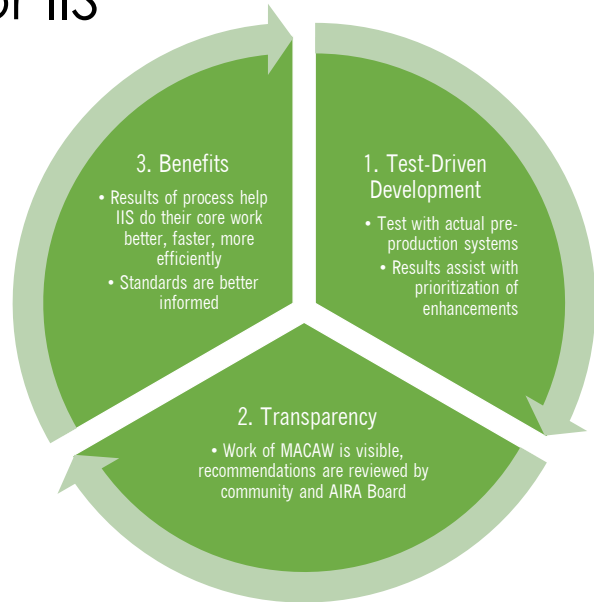
How do we get everyone to achieve the same thing?

IIS: 25 Years of Achievement



Guiding Themes for IIS Measurement

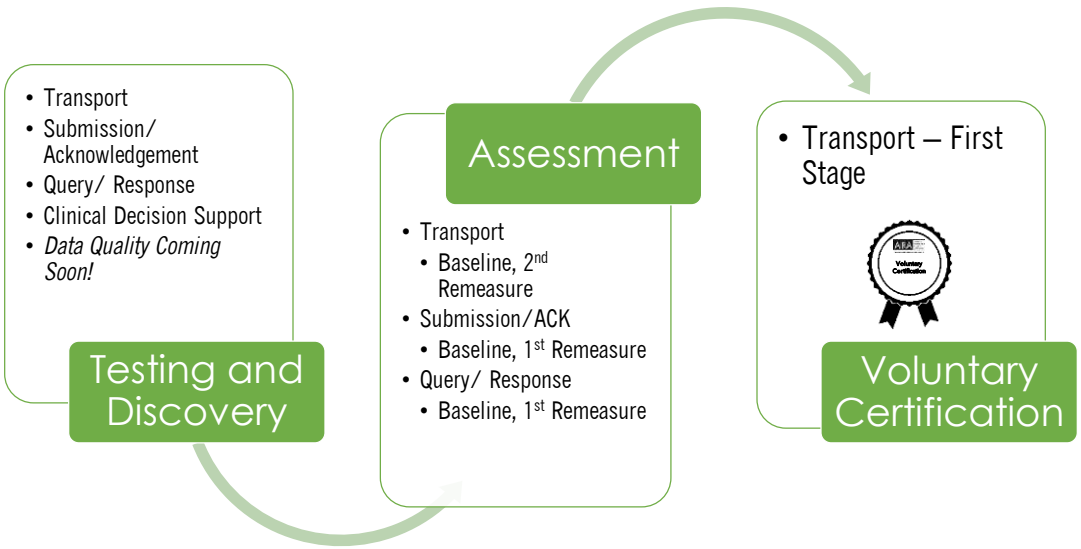
1. Test-driven development
2. Transparency
3. Benefits



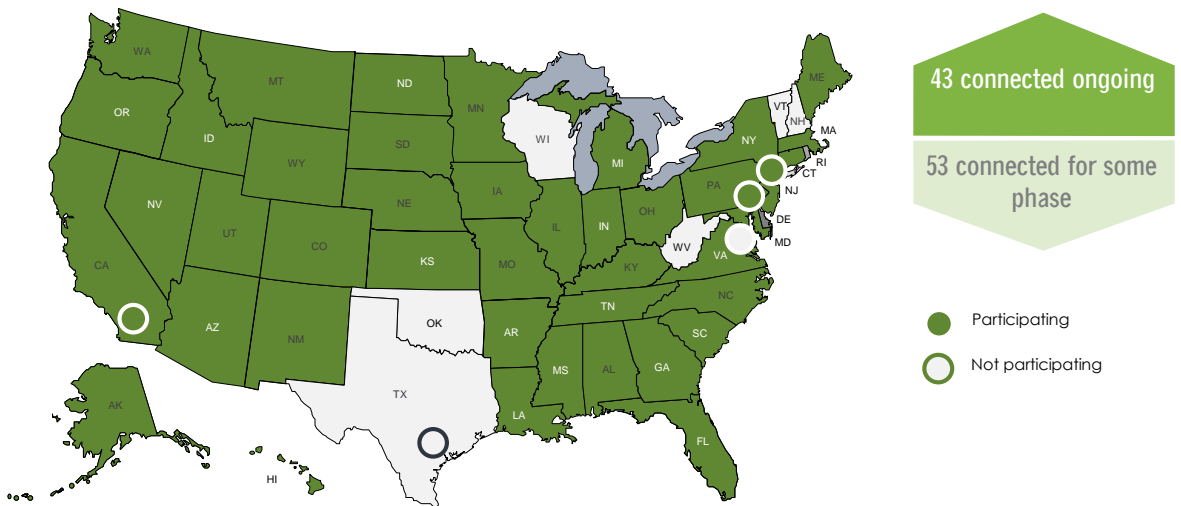
Phases and Stages of Independent Measurement and Improvement

		Stages →			
		Pending	Testing and Discovery	Assessment	Voluntary Certification
Phases ↓	Transport				▶
	Submission/ ACK				▶▶
	Query/ Response				▶▶
	CDS			▶▶	
	Data Quality			▶▶	
	Participation	▶▶			
	Deduplication	▶▶			
	Functions (AFIX, etc.)	▶▶			
	Policy/ Security	▶▶			

Measurement and Improvement



Measurement & Improvement: Participation



Aligning with Standards: What's the Impact?

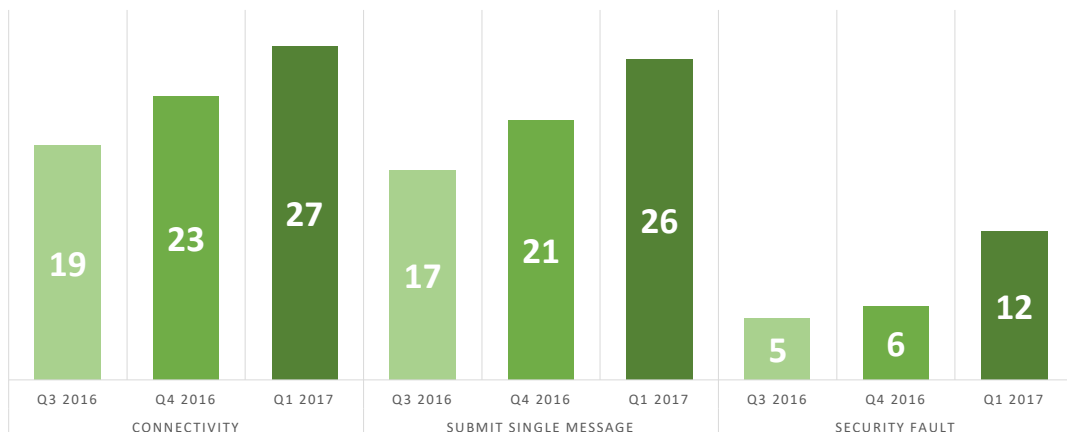
Benefits

- Speeds up onboarding
- Helps to stabilize interoperability
- Improves data quality
- Allows IIS to hold EHRs more accountable
- Moves IIS community closer to its mission of making records and forecasts available at point of care
- Exposes those areas where standards are unclear or don't yet exist

Challenges

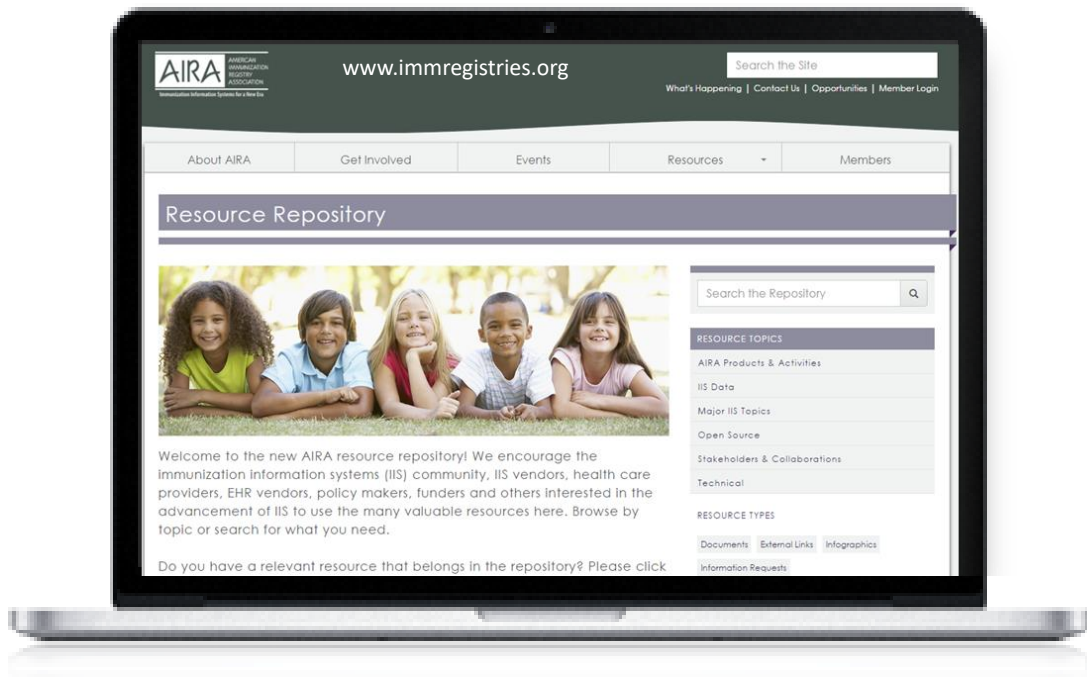
- Enhancements (and even connecting with testing) may require human and financial resources
- Nation-wide or community-wide standards may be at odds with jurisdictional policies and practices
- Some standardization may “break” current interfaces

Transport – IIS Meeting Measures



Voluntary Certification

- Provide credit and recognition to those IIS achieving standardization and harmonization
- Increase credibility of IIS community/alignment of standards
- Support (and speed up) the shift to objective measures
- Leverage the same measures used in IIS Assessment



Take away messages

- Change is hard
- Planning now will prepare us for future events
 - Using data
 - Pandemic

