

Improving the Kentucky Immunization Registry

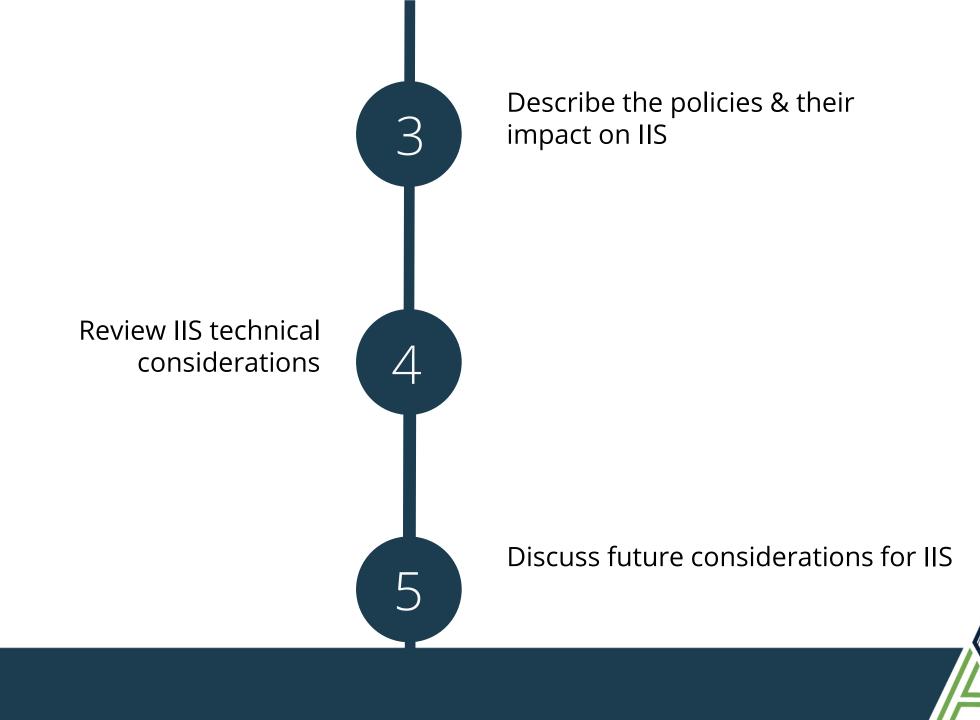
Rebecca Coyle, Executive Director American Immunization Registry Association

Goals for today

Describe key elements & functionality of successful IIS

2

Review the history & purpose of IIS



Overview

History & Purpose



IIS...

are confidential, population-based, computerized databases that record all immunization doses administered by participating providers to persons residing within a given geopolitical area.



Confidential



Population-based



Exchange data with multiple providers

Assist schools & child care providers

Help improve vaccination rates & Reduce vaccine-preventable disease



Assist with disease surveillance & outbreak

response



Generate reminders to ensure on-time vaccinations



Supply data for coverage rates, pockets of need



Assist with

clinical decision

support &

forecasting

Assist with vaccine ordering & inventory management



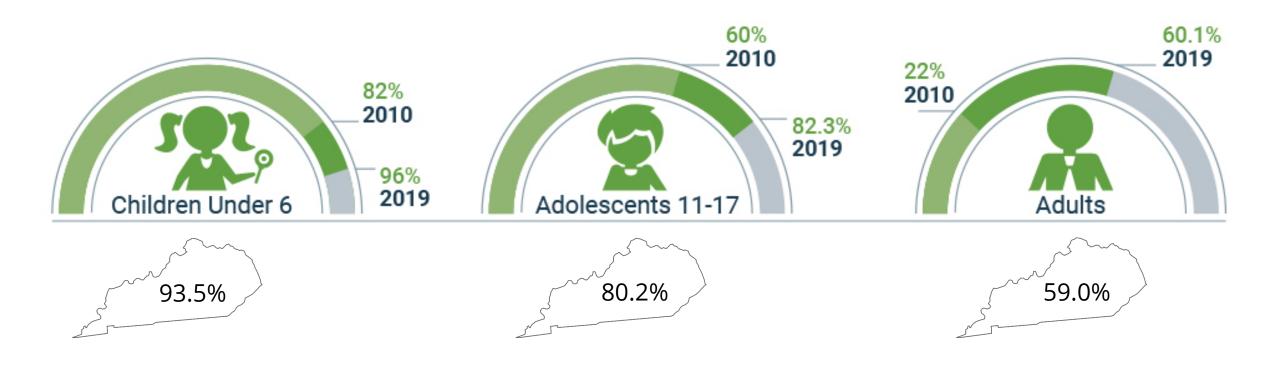
Every state operates an IIS

IIS are also in:

- New York City
- Philadelphia
- Washington D.C.
- San Diego
- San Joaquin County (RIDE)
- American Samoa
- Guam
- Marshall Islands
- Micronesia
- North Mariana Islands
- Palau
- Puerto Rico
- U.S. Virgin Islands



Data Capture Across All IIS - 2019



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

Policies

Policies That May Affect Functionality and/or Interoperability



Local law/ policy may govern who can access data, including consumers



Opt-in or optout policies may impact data exchange and data completeness



Reporting
COVID doses
is mandatory,
requirements
for reporting
other vaccines
varies



Program components supported by the IIS may vary among jurisdictions



Standards adoption, saturation, or data quality may be affected

Provider Participation

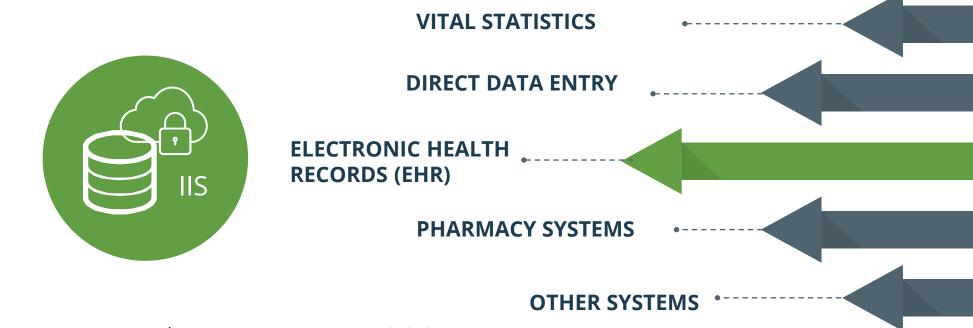




Technical Considerations



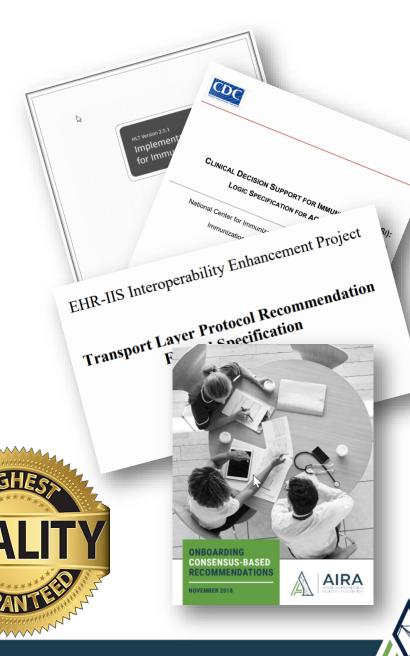
Most IIS Data Comes From Data Exchange

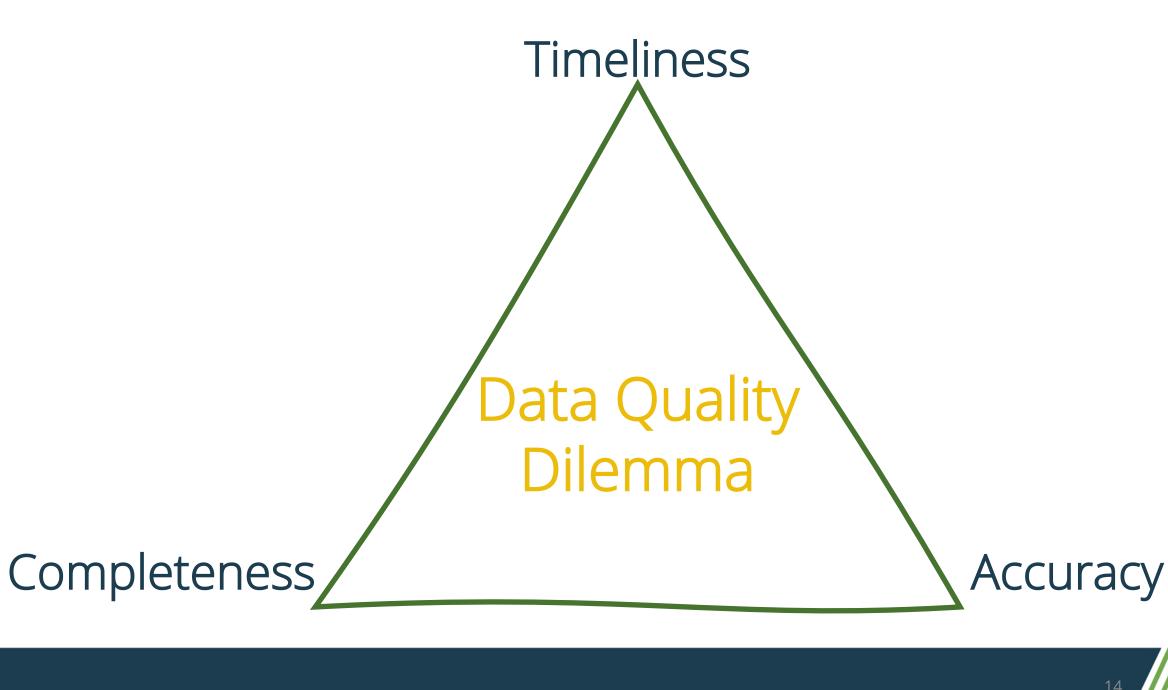


In 2019, there were 117,000 data exchange connections

Standards

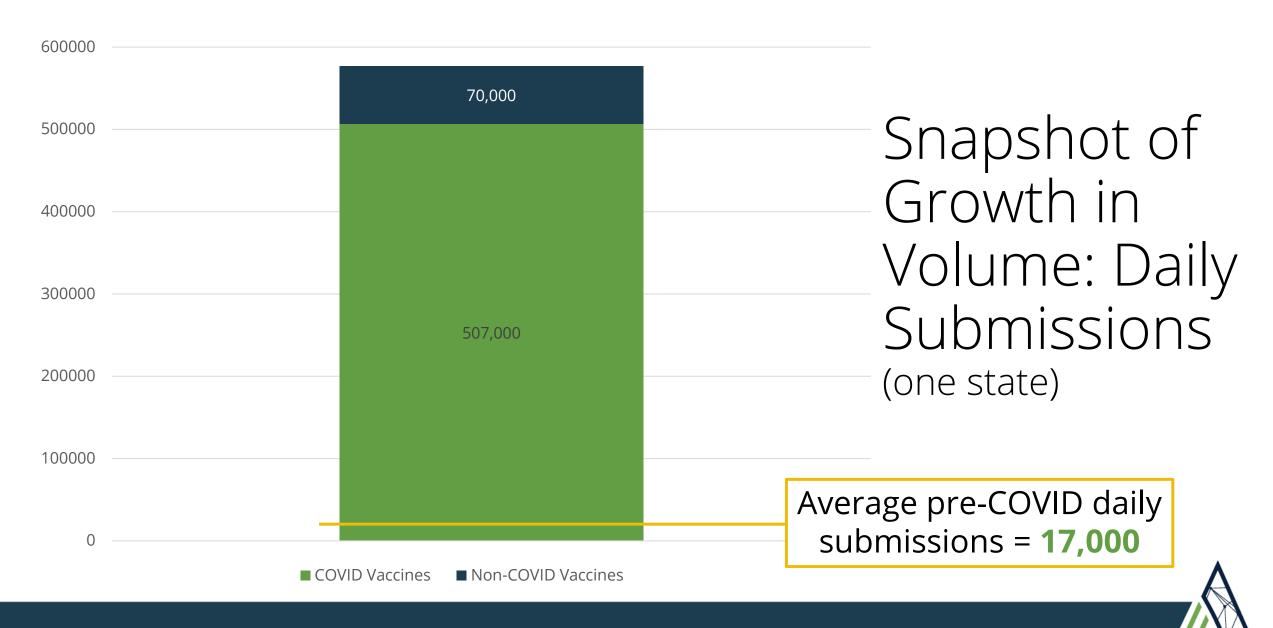
- HL7 Implementation Guide V2.5.1 R1.5
- SOAP Web Services/CDC WSDL
- Clinical Decision Support for Immunizations (CDSi) Specifications
- Guidance documents, consensus-based recommendations, business process documentation, etc.
- Industry standards for Security





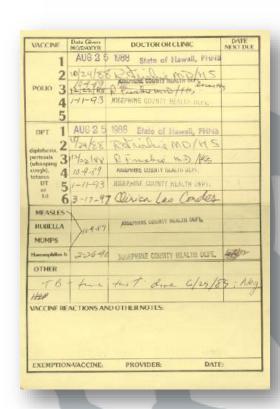
Future Considerations

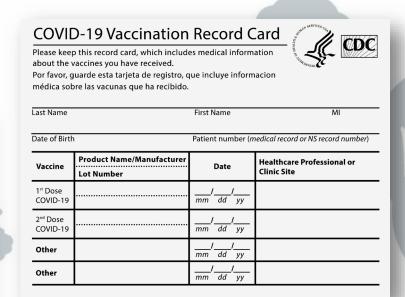




The Evolution of Vaccine Records & Patient

Access









Future Considerations









State Policies National Policies

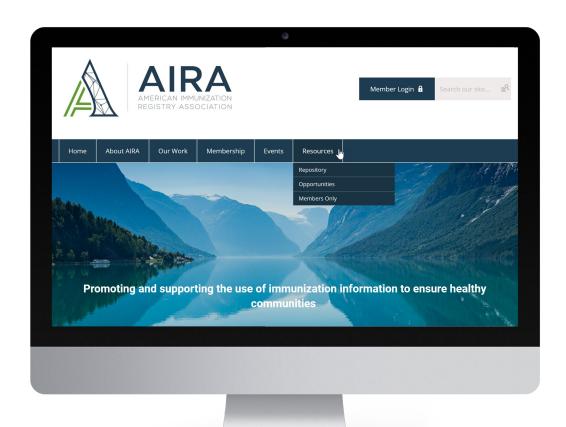
Strategic IIS Modernization

All providers report all vaccines administered

Sustainable Funding

Thank You!

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www.immregistries.org