IIS Now and in the Future

December 11, 2024

Celebrating 25 years!

AIM Leadership in Action Conference

New Orleans, LA
December 10 - 12, 2024

AIM | Association of Immunization Managers

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Advancing the Vision for IIS

2024 AIM Leadership in Action Conference

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CDC's Vision for Immunization Information Systems

Immunization Information Systems (IISs) support the *standardized capture* and *exchange* of *high-quality, individual-level immunization data* for all doses of Advisory Committee on Immunization Practices (ACIP) recommended vaccines.

These data are linked across jurisdictions, providers, partners, and other individual-level data sources to inform public health actions.

Achieving the Vision

CDC's standards and guidance will propel us toward the Vision through:

- Data Quality Assessment and Improvement
- Immunization Gateway (IZ Gateway)
- Privacy Preserving Record Linkage (PPRL)
- National Surveillance
- Data Quality Certification

Certification
IISs achieve a uniformly high standard for immunization data quality.

National Surveillance
Data from IISs are collected for a national picture of immunization and to drive public health action.

PPRL
PPRL's unique IDs for routine immunization demographic records will allow connection of deidentified individual level data across vaccine and disease data sets to inform decision making.

IZ Gateway
Widespread use of the IZ Gateway for data exchange between IISs, between IIS and providers, and from IIS to CDC will advance completeness of records in IIS and at the national level. IZ Gateway's expanded services will hasten advancements in data quality.

Data Quality
Standards, resources, and feedback are provided to IISs and the IIS community to support them in reaching the data quality targets with specific strategies for improvement.

Standardized Data Capture

IIS Functional Standards
Describes the underlying operations, data quality, and technology needed by IISs to attain a level of consistency in support of common clinical, programmatic, and public health immunization goals.

HL7 Implementation Guide
Provides guidance for immunization data standardization to improve interoperability and facilitate efficient data exchange
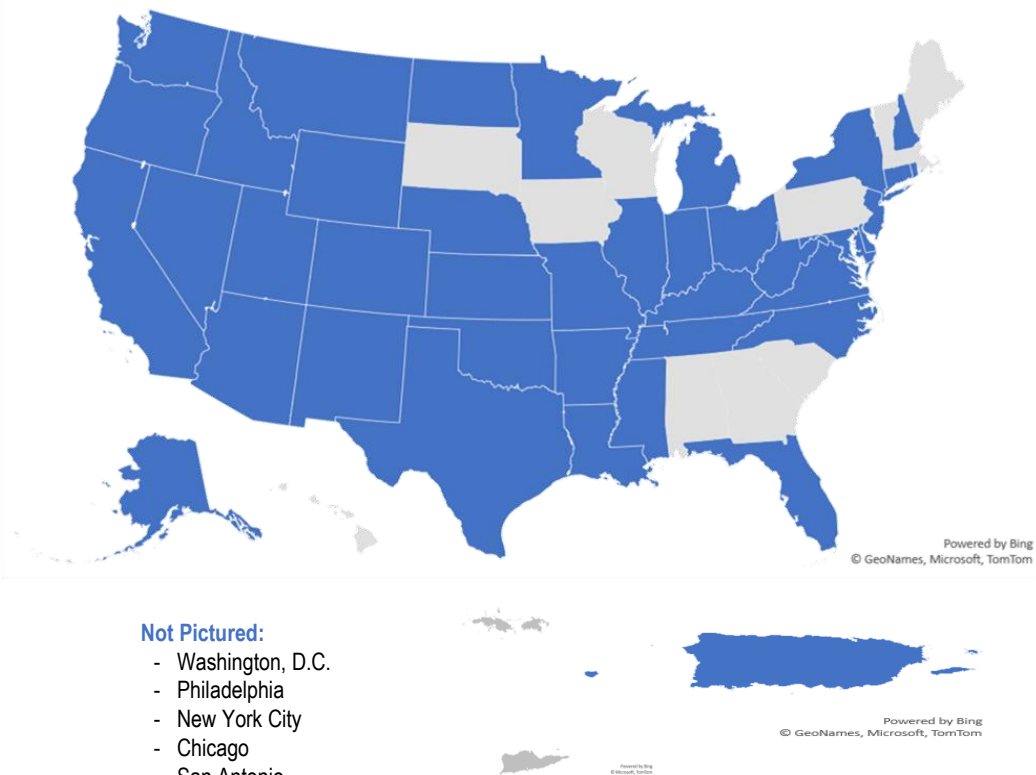
Recommended Data Elements
Outlines the fields needed for successful data submission and thresholds of data completeness. Fields for demographic files include grantee, FPCode, PatientID, DOB, and sex. Fields for vaccination files include PatientID, VaxDate, and CVX.

Data Exchange through the IZ Gateway

Jurisdictions Participating in the IZ Gateway

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Not Pictured:
- Washington, D.C.
- Philadelphia
- New York City
- Chicago
- San Antonio
- Houston

IZ Gateway Exchange Metrics		Impact
Completed Baseline Onboarding	**61 Jurisdictions**	**Over 59 million messages exchanged November 2023-October 2024**
IIS-to-IIS Data Exchange	**41** jurisdictions with **267** live data exchange partnerships	6,148,000 messages exchanged
IIS and Multijurisdictional Provider Data Exchange	**8** providers* with **7,118** facilities in **51** jurisdictions	42,716,000 messages exchanged
Consumer Access System Exchange with IIS	**1** platform exchanging with **6** jurisdictions	770 messages exchanged
IIS Data Exchange with CDC (data submission)	**26** jurisdictions reporting data to CDC, including monthly data (Flu, RSV, Covid) and quarterly routine data	10,137,000 messages exchanged

*Veterans Administration (VA) VistA, VAMS, DocStation, AZOVA, VA Oracle Health, Fond du Lac, DOD, EDN
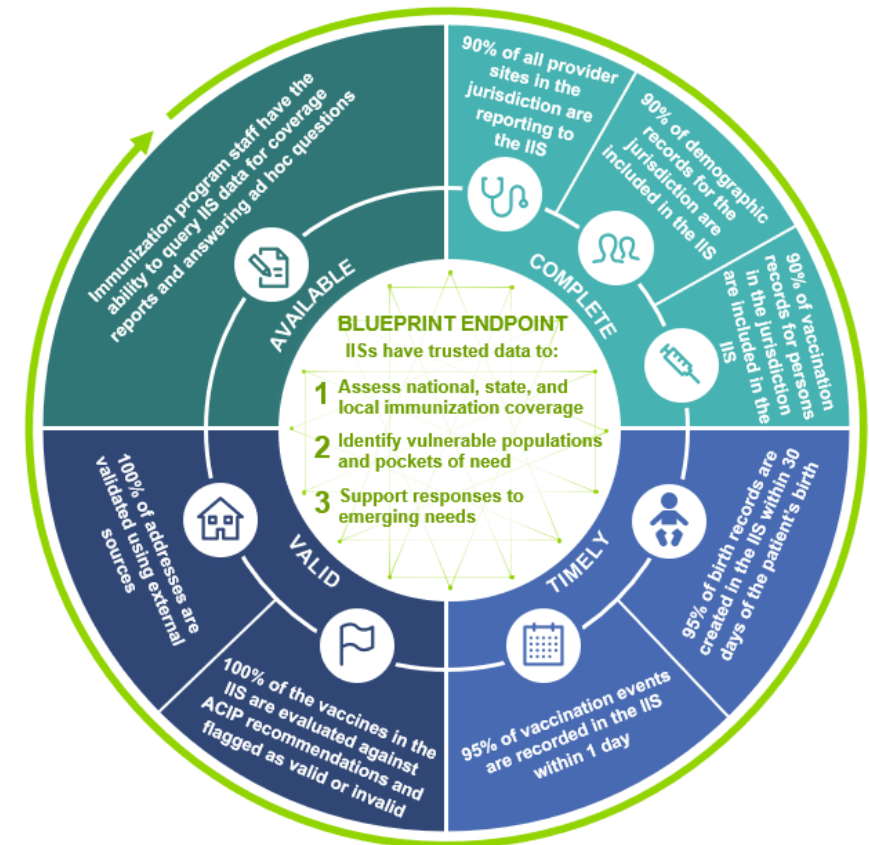
Data Quality

CDC developed the IIS data quality blueprint to guide jurisdictions in improving data quality by prioritizing a **small set of meaningful, quantifiable** measures.

IIS Data Quality Endpoint

- IISs will be *the* **trusted source** for reliable immunization data

- IISs will produce data to support:

    - Immunization coverage assessments

    - Identification of pockets of need

    - Responses to emerging needs

Seven Data Quality Characteristics

Available • Complete • Timely • Valid • Accurate • Consistent • Unique
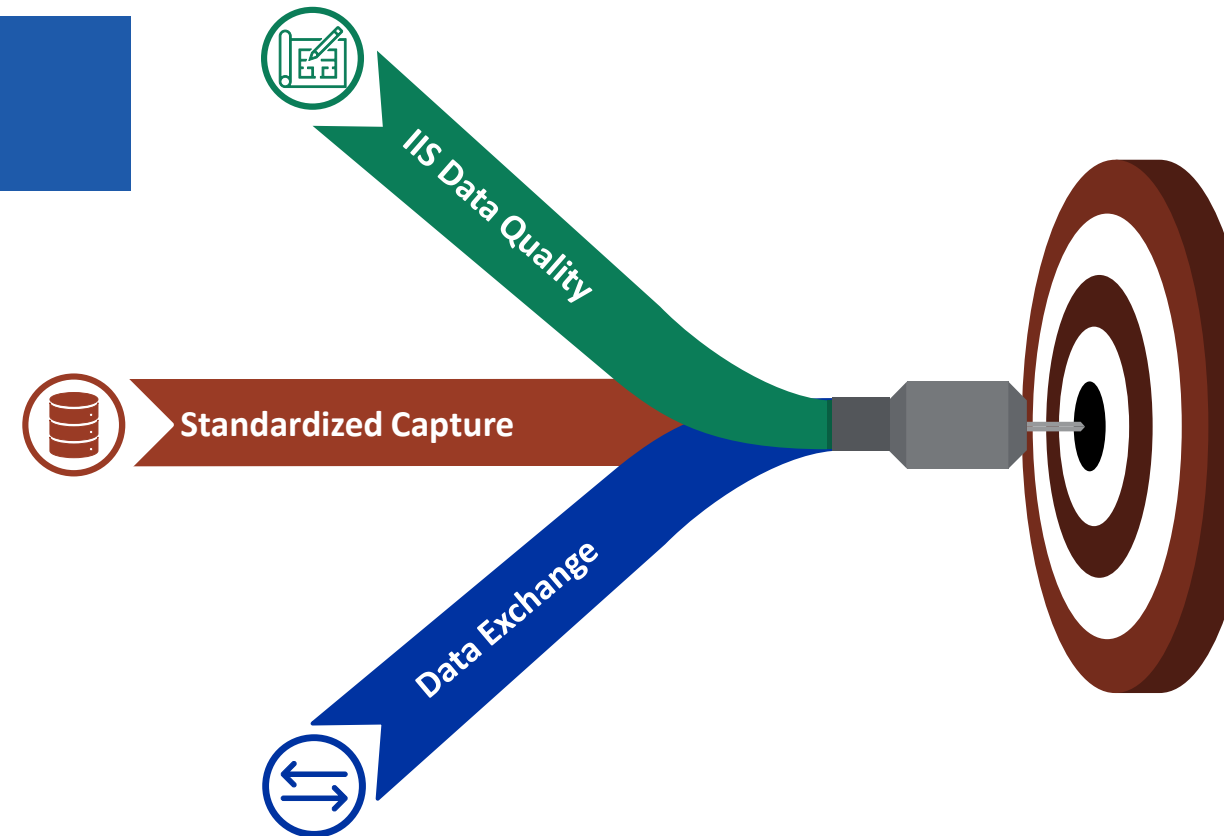
Gauging Success
IIS Data Quality Certification

Data quality and technical certification are barometers of achieving our Vision.

IIS Data Quality Certification aims to ensure that the nation's IISs achieve a *uniformly high standard* for interoperability and immunization data quality.
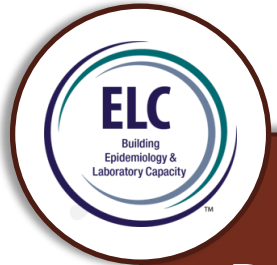
Certification supports the functional capabilities to *inform public health decisions and immunization program management*.

Data quality certification will be based on *achievement of measures identified* in Measurement and Improvement initiative and the IIS Data Quality Blueprint.

IIS Data Quality

Standardized Capture

Data Exchange

Rollout will align with the 317/VFC CoAg start on July 1, 2025. The standard will increase over the course of the CoAg.

Achieve Goals with Diversified Funding

Data Modernization Funding

- Public Health Infrastructure Grant (PHIG) for modernizing IISs
- Epidemiology and Laboratory Capacity (ELC) for broad capacity building for surveillance

Immunization Funding

- Cooperative Agreement for immunization and VFC, including IIS support
- Direct Vendor Contracts

Other

- Medicaid match
- State/local funding
- Other federal funding

THANK YOU!

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348   www.cdc.gov

Q&A

immunizationmanagers.org

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