

Immunization Information Systems and Interstate Data Exchange: As-is and To-be

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NVAC Meeting

Washington DC

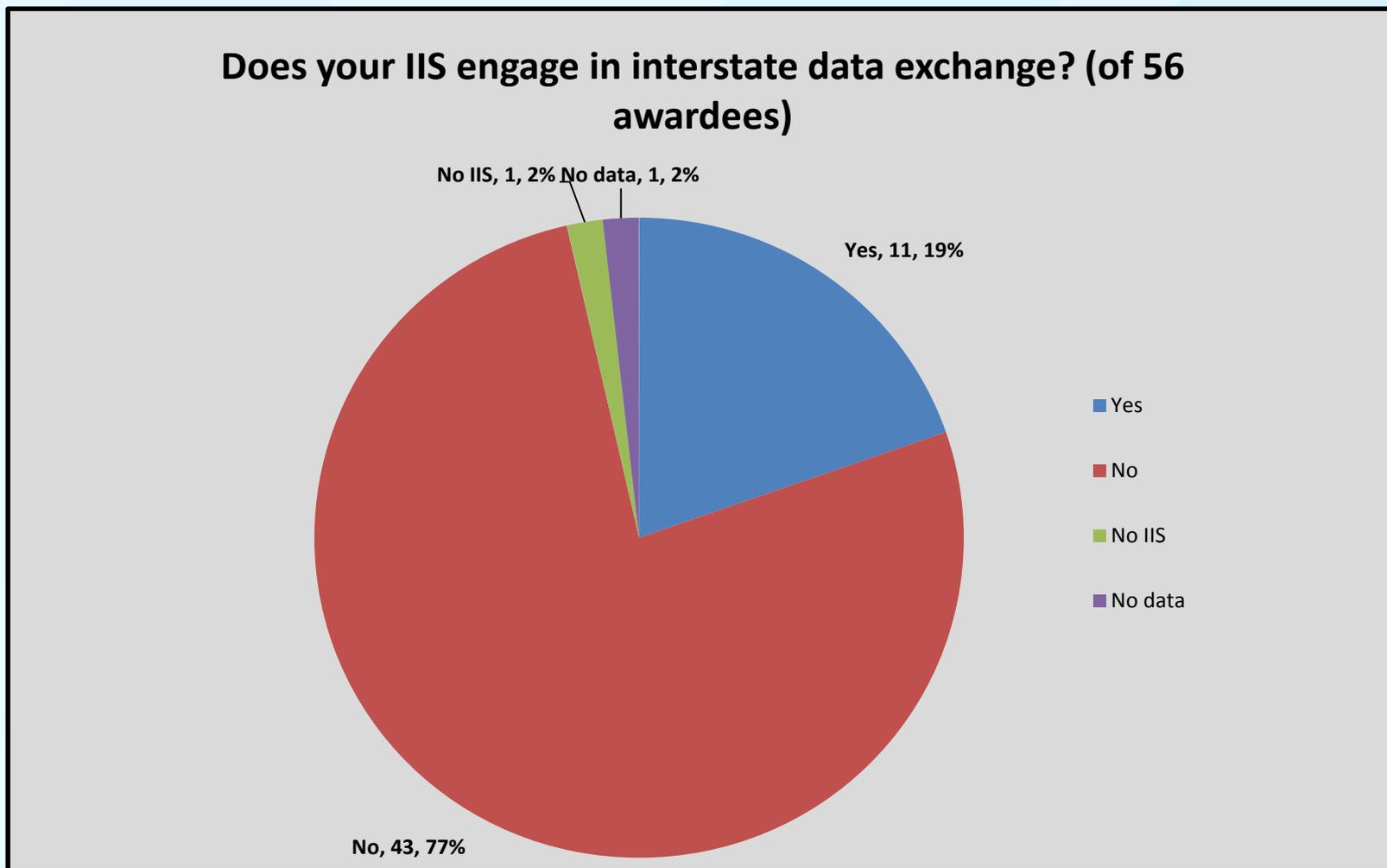
February 10, 2015



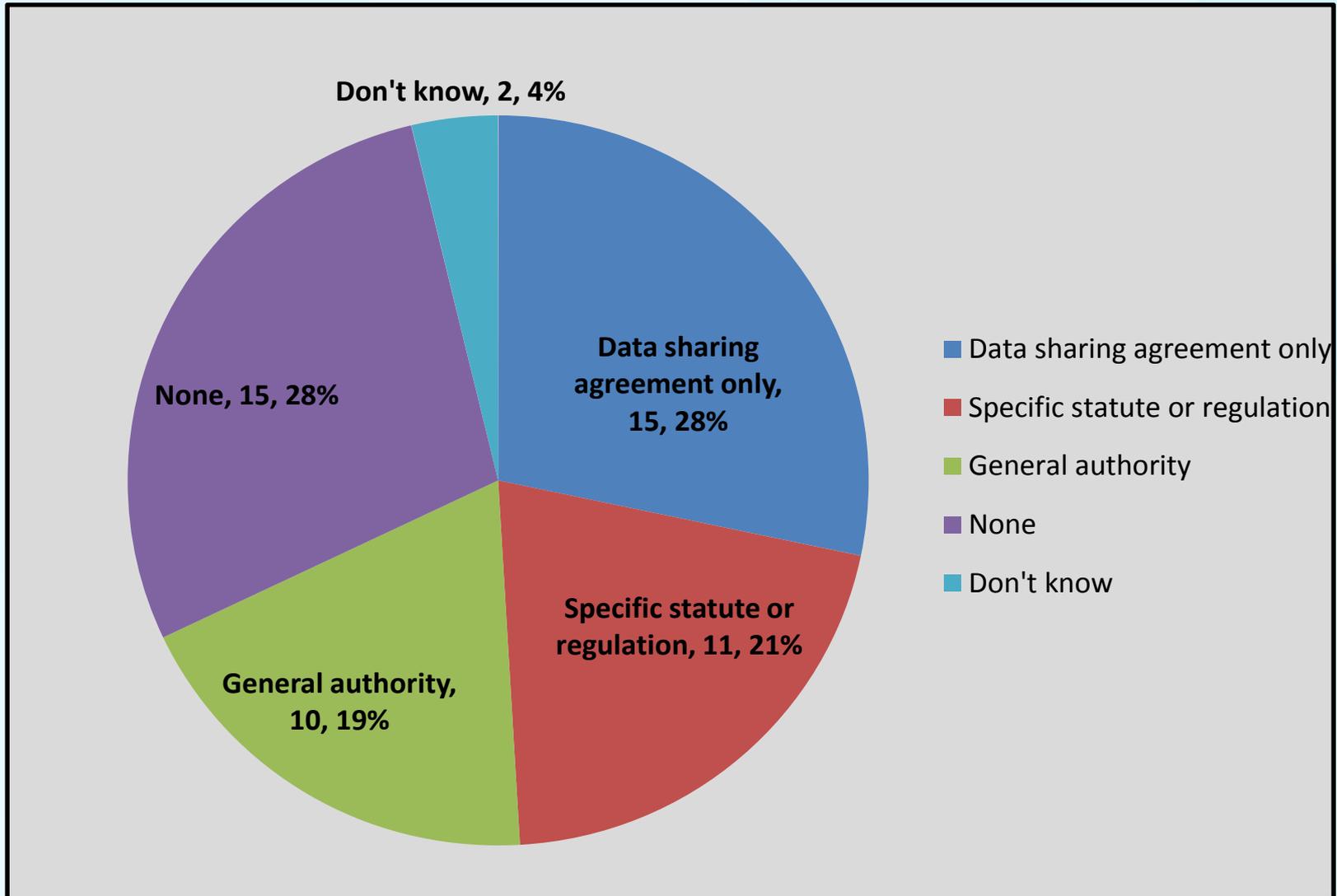
Interstate Data Exchange: Historical Notes (As-is)

- **Point to Point Exchange**
 - Different technical solutions
 - Different policy and program negotiations with each jurisdiction
 - Different data exchange approach
 - Transport standards
 - Message/Content standards
- **Limited Priority focus on Interstate**
 - Focus on provider exchanges, data quality and functionality.
- **Emergency Response**
 - Hurricane Katrina saw active data sharing agreements among IIS

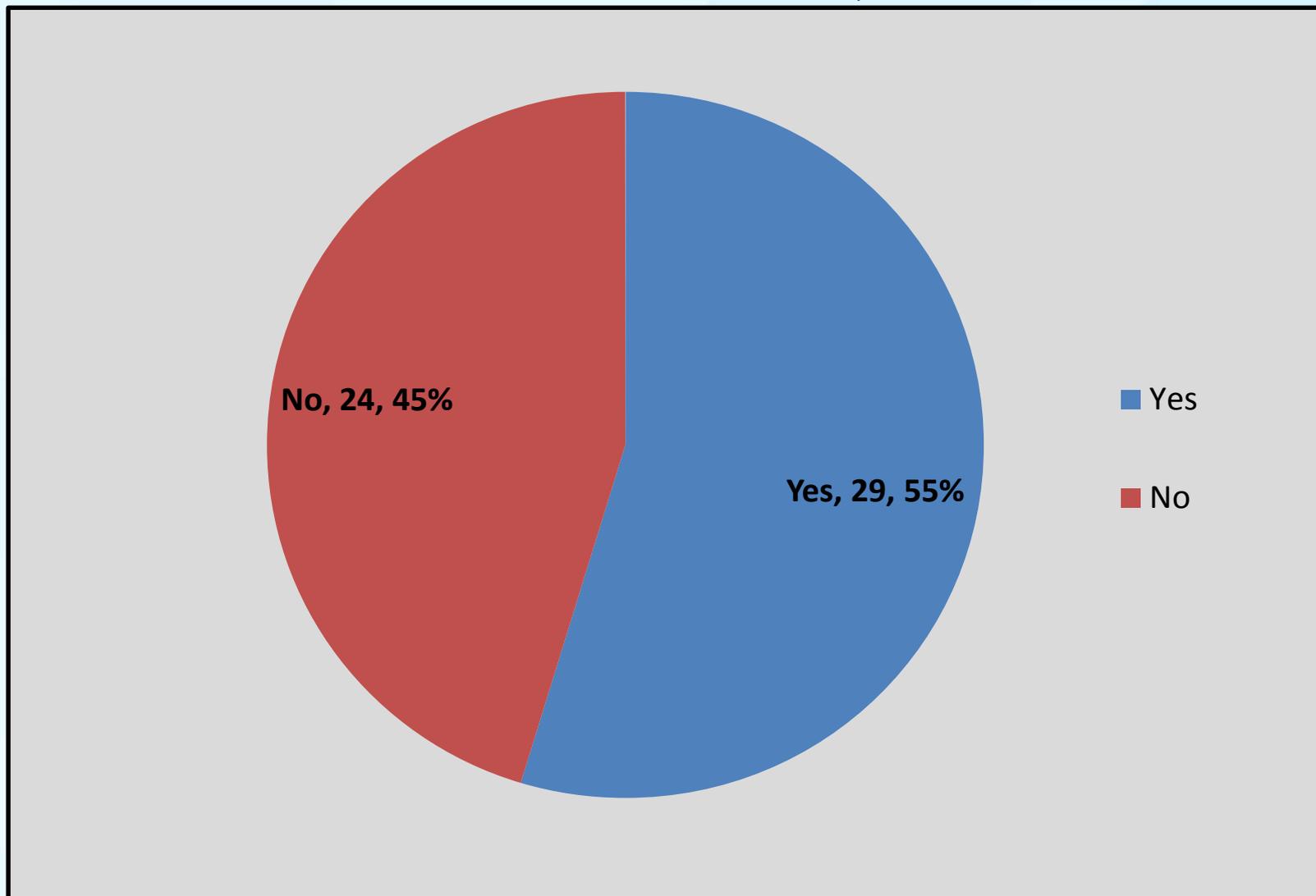
Interstate data sharing among awardees – United States, five cities⁺, and the District of Columbia, 2011



Interstate data exchange authority, 2012



Awardees that currently allow access to data in the IIS across state borders, 2012



Recent Community and Environmental Impacts on IIS Community

Program need:

- Value of the IIS to support federal and local immunization program efforts
- VTrackSSupport/ExIS, IIS-AFIX integration, NIS support-national, local coverage assessment, pandemic preparedness, adult populations

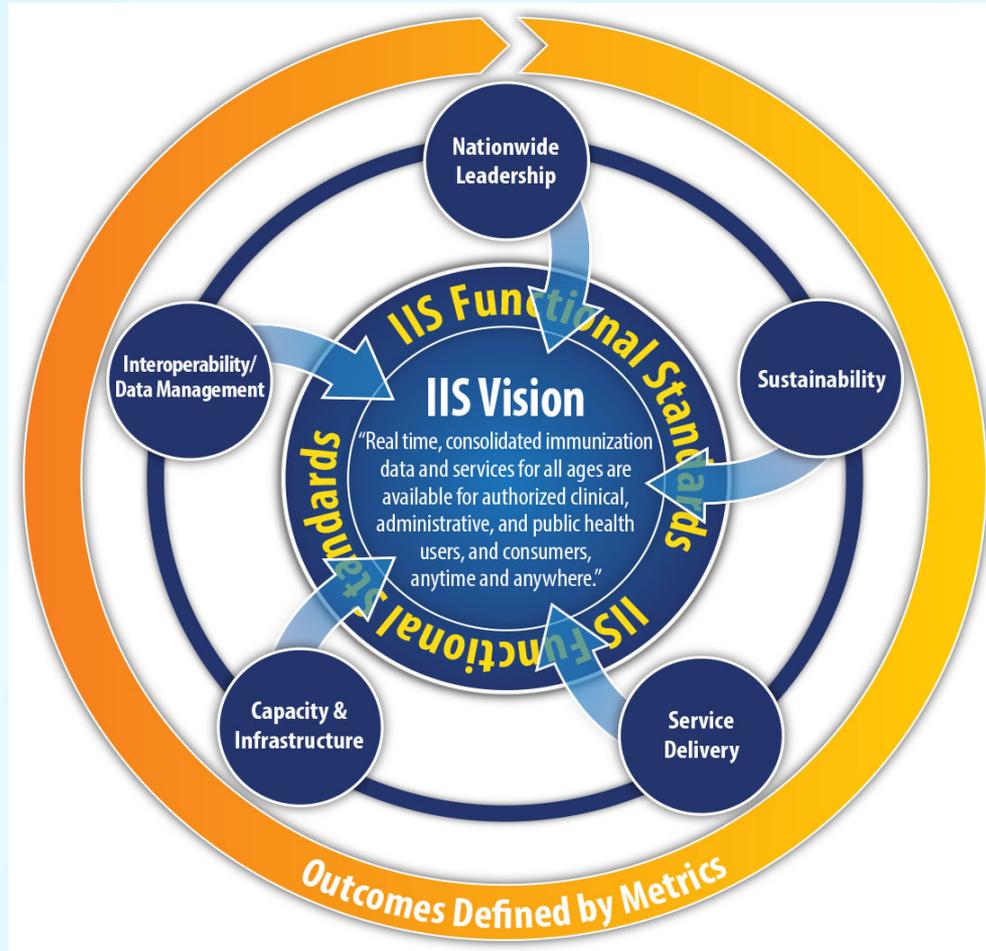
Health care industry developments:

- Meaningful Use/integration with EHRs, 2-D barcodes, exchange hubs, clinical decision support, HEDIS, emerging complementary vaccination providers (e.g. pharmacies)
- Evolving roles and responsibility with new market forces (e.g. private networks, EHR, exchange hubs) that are changing which entities are responsible for certain functions (such as reporting, consolidations, and electronic message use) and which new functions should be addressed

Wide variability in IIS system:

- Policy, functionality, and data quality variation

Strategic Planning Effort



[For a fully compliant version of this image, go to page 11](#)

IIS Strategic Plan

- **Vision Statement:** 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.
- **In the category of Interoperability and Data Management referenced in the plan:**
 - Interstate Data Exchange project as a priority, because of the need to collaboratively develop a model/standards for interstate interoperability

Interstate Data Exchange: Future State (To-Be)

- Increase use of community practices
- Increase compliance with the use of industry standards
 - Less customization and better ways to handle differences
- **New/emerging ideas helping to facilitate interstate exchange**
 - Strategic plan
 - Data Hubs (pilot models under way with ONC project)
 - Service Centers Models (exploratory)
 - Tighter standards
 - Plans/tools for monitoring standards usage

Thanks

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IIS Vision

“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.”

Outcomes Defined by Metrics

IIS Functional Standards

Nationwide Leadership

Sustainability

Service Delivery

Capacity & Infrastructure

Interoperability/Data Management