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REGISTRY ASSOCIATION

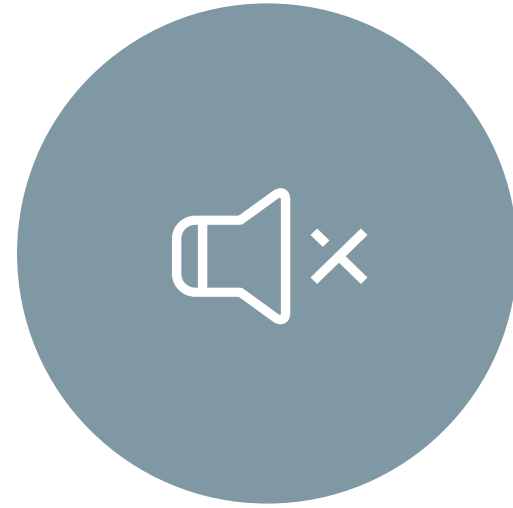
AIRA Town Hall PHIG Modernization Funding

August 21, 2024
3 p.m. ET

AIRA Town Hall



This meeting is being recorded
and will be posted in the
AIRA repository

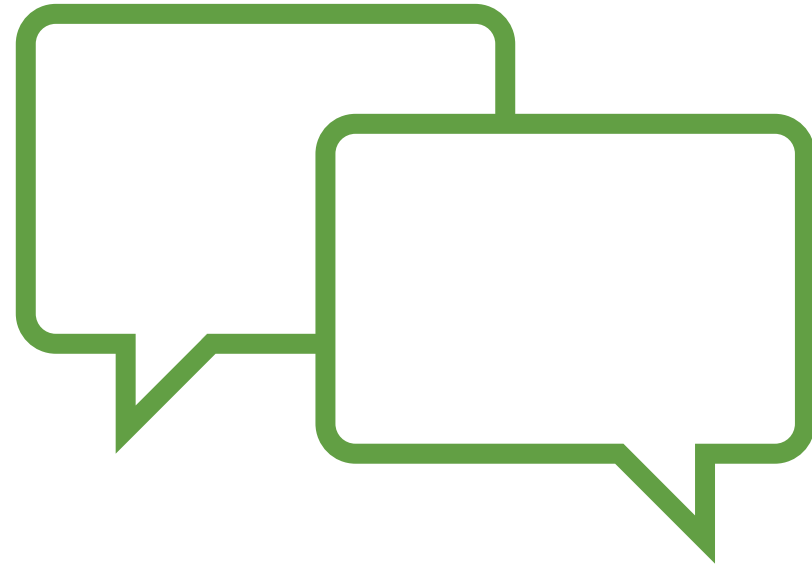


All phone lines
are muted



Technical Support

If you experience any technical issues during the meeting, please contact **Skylar Adkins (AIRA Education & Outreach)** via direct message in the Chat.

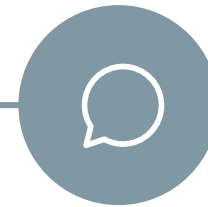


Questions

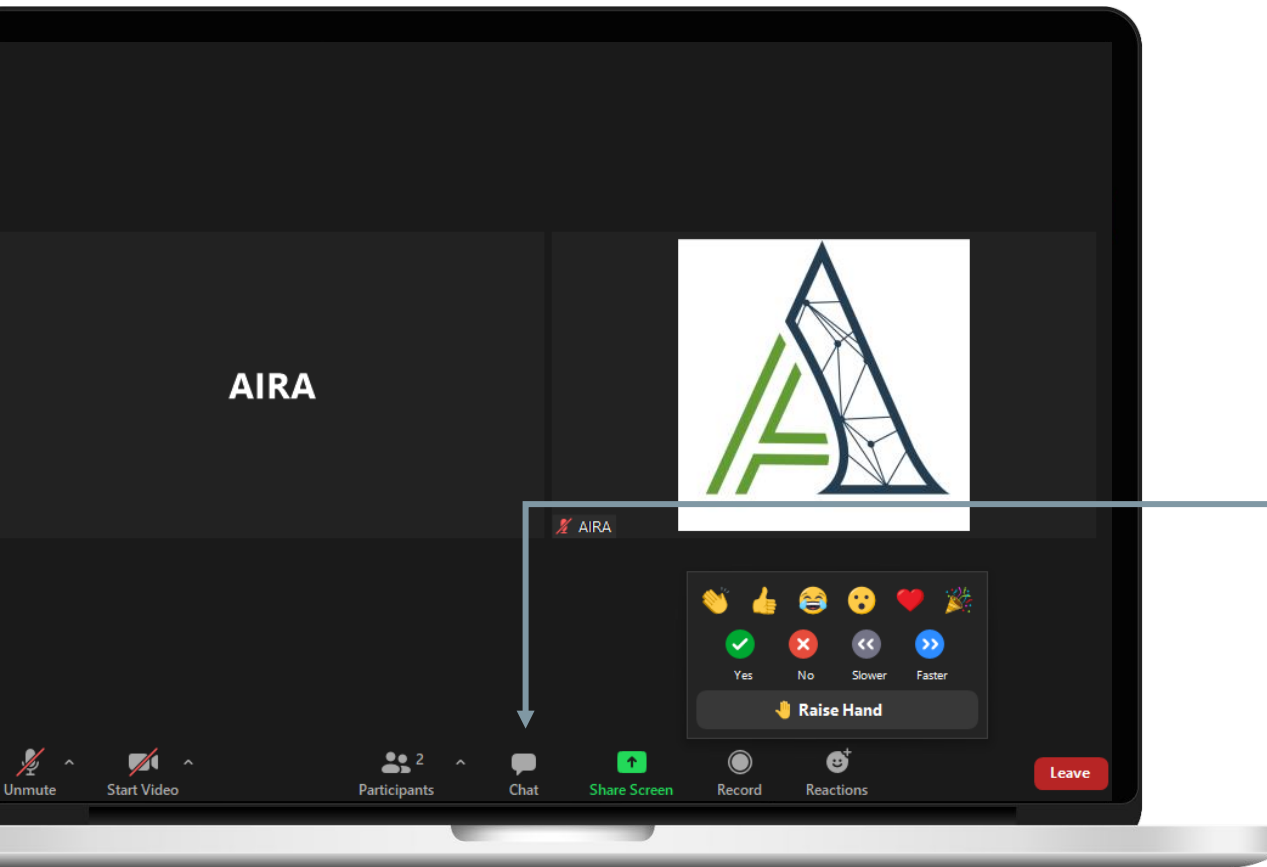
How do I ask a question?

There will be time allotted for Q&A following the presentations.

If you think of a question during the presentations:



Select the chat icon and type your question into the chat box.



Context For Today's Call

The announcement about PHIG Modernization funding that came out on Thursday, August 8th was a (happy) surprise to many

Several jurisdictions in attendance at NIC 2024 voiced interest in sharing and hearing from their peers about funding priorities

AIRA was asked to provide a forum for this member discussion



Session Overview

Highlights About PHIG Funding

Community Modernization Priorities – Considerations

Jurisdictions Get The Ball Rolling on Priorities

Community Discussion – Assisted by Menti

Summary and Wrap-Up



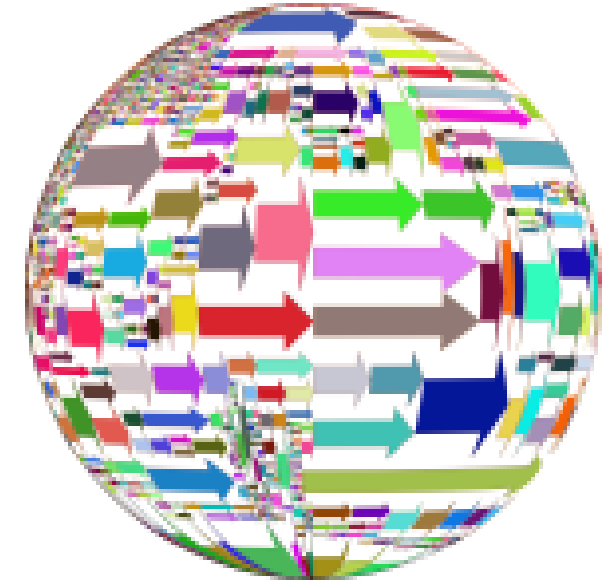
The Basics (as we understand them):

- CDC plans to award **\$167.6 million** under Component A, Strategy A3: Data Modernization: Modernizing IIS
- The budget period for these funds is 12/1/2023 to 11/30/2027, and funds must be expended within the **performance period ending on 11/30/2027**
- The funds will be made available within approximately 7-10 business days after September 20, 2024, through a Notice of Award (NOA) issued via GrantSolutions
- To receive funds, recipients MUST submit a supplemental application in GrantSolutions as a Supplement Amendment no later than **11:59pm ET Friday, September 6th, 2024**



A Community Conversation on What/How to Continue Modernizing

- What investments will help your system and program move forward most efficiently?
- What developments can/will be sustained beyond 2027?
- What do your constituents, partners, and leaders most want to see?
- What will allow the IIS nationwide network of systems to move forward collectively?



Modernization Priorities for Consideration: M&I

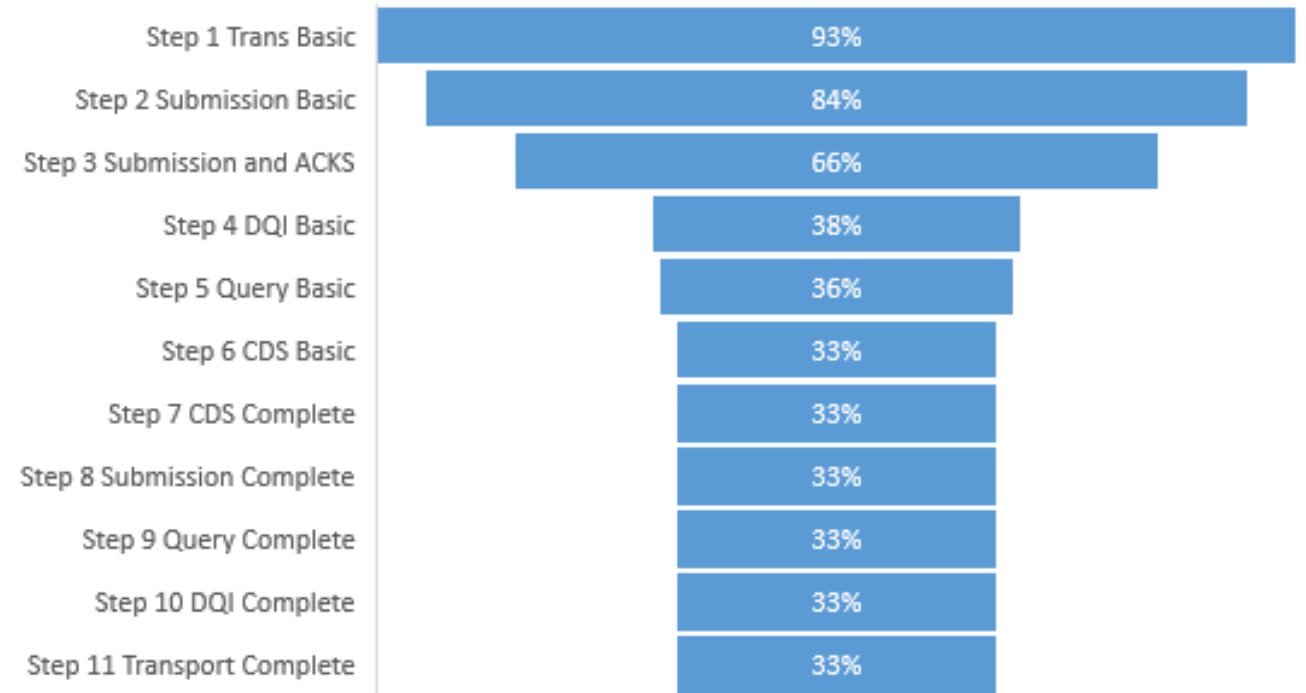
Source: MACAW

Priority Order Recommendations for Validation:



Current Status of IIS Community in Meeting Each Step:

Percent of IIS Validated, Step Order Dependent



Representing the Community's Voice

MACAW Members

- **Kevin Snow**, Envision (Co-Chair)
- **Valentin Sostaric**, AZ (Co-Chair)
- **LaTreace Harris**, CDC
- **Lauren Shaw**, CDC
- **Rob Snelick**, NIST
- **Elise Balzer**, Indian Health Svc.
- **Alejandra Arias**, CT
- **Kevin Allen**, TX
- **Scott Benedict**, Gainwell
- **Aaron Bieringer**, MN
- **Shannon Coleman**, STChealth
- **Dave McCormick**, IN
- **Josh Hull**, MI
- **Matt Verdon**, WI



Modernization Priorities for Consideration: M&I

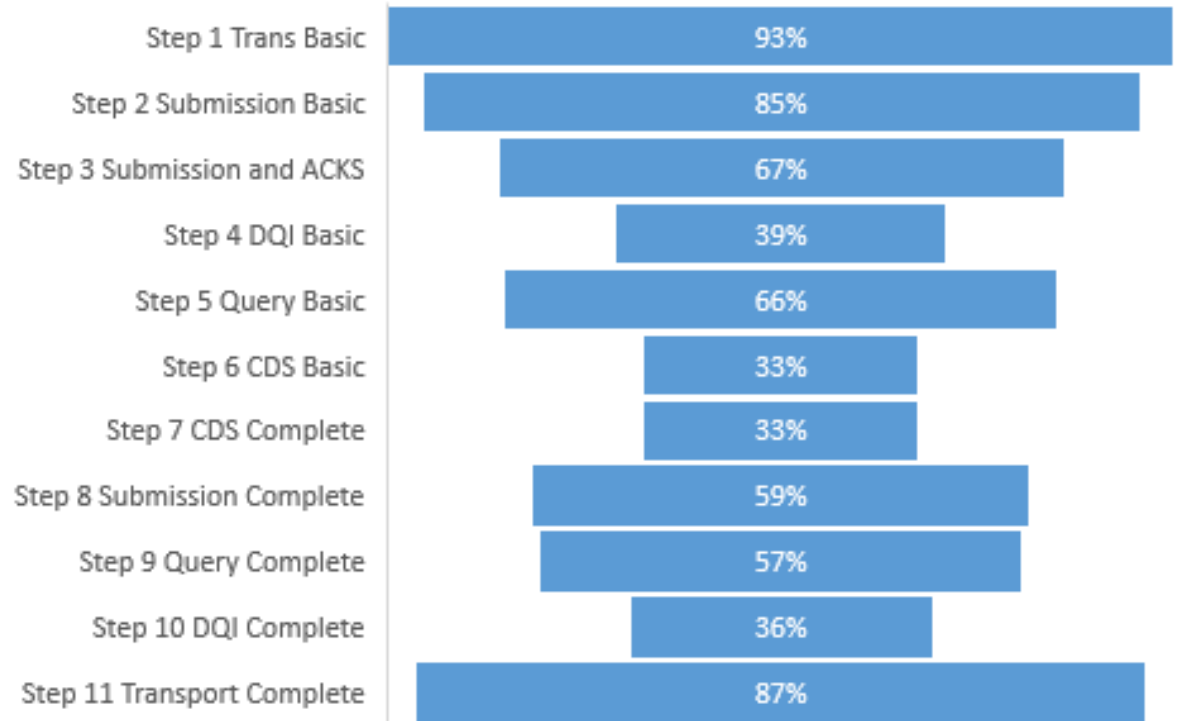
Source: MACAW

Priority Order Recommendations for Validation:



Current Status of IIS Community in Meeting Each Content Area:

Percent of IIS Validated, Step Order Independent



Why is M&I Especially Important Right Now?

- ASTP/ONC recently released the proposed rule on Health Data, Technology, and Interoperability (HTI-2)

Certification Criterion	Summary
Immunizations (f)(21)	<p>New Criterion: New requirement to receive, validate, parse, and filter immunization information to advance bi-directional interoperability between health care and public health agencies</p> <p>New Standard from (f)(1): HL7 Version 2.5.1 Implementation Guide for Immunization Messaging, Release 1.5 2018 Update</p> <p>Request for Comment on the functional requirement to respond to patient-level, immunization-specific queries from external systems</p>



Modernization Priorities for Consideration:

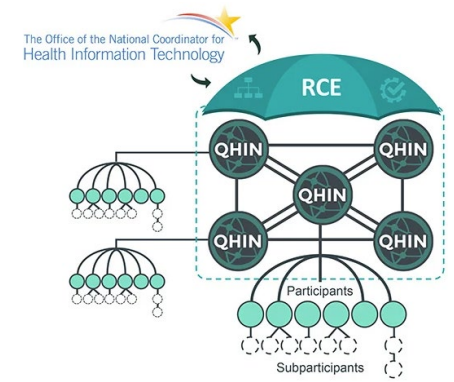


Source: ASTP and Health IT Partners

Benefits of developing and implementing Bulk FHIR Query

- The use of the FHIR Bulk Data Access Implementation Guide (IG) will allow Public Health programs to make the data they collect and curate available to authorized users through a **standardized and reusable** approach
- This will reduce the amount of time and effort expended on responding to data requests using proprietary and bespoke formats
- It will also help our community progress toward FHIR implementation within a (somewhat) contained space





The Trusted Exchange Framework and Common Agreement (TEFCA)

TEFCA aims to facilitate a nationwide system for health data exchange, or a “network of networks,” to increase access to data for a variety of health entities with the goal of improving health outcomes.

What can public health do right now to prepare?

- Explore compatibility with TEFCA requirements and agreements
- Assess current data exchange environment
- Partner with QHINs
- Adopt interoperability standards



Modernization Priorities for Consideration: Modular Development and Microservices

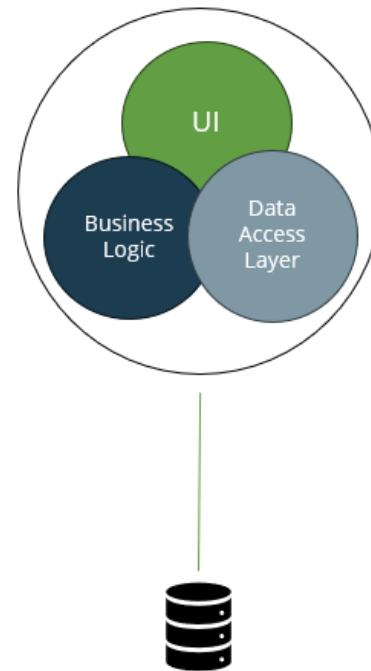
Source: AIRA

There is risk in supporting and maintaining large monolith systems

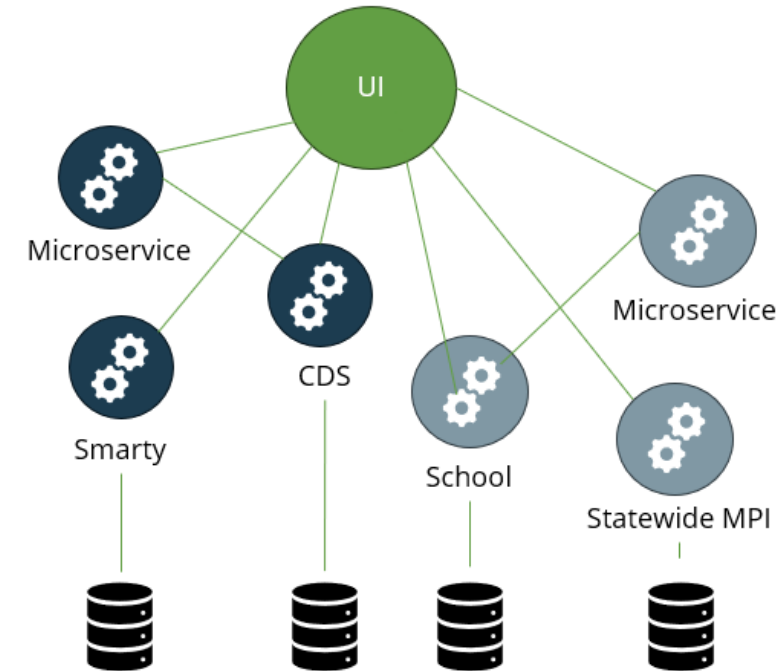
- What could a modularized system look like?
- Imagine a core IIS that could link into/leverage modules or microservices
 - Smarty, school module, CDS module, statewide Master Patient Index (MPI), etc.

Note from PHIG Guidance, page 14: "Investments in stand-alone, monolithic systems with limited interoperability are not allowed."

Monolithic Architecture



Microservices Architecture



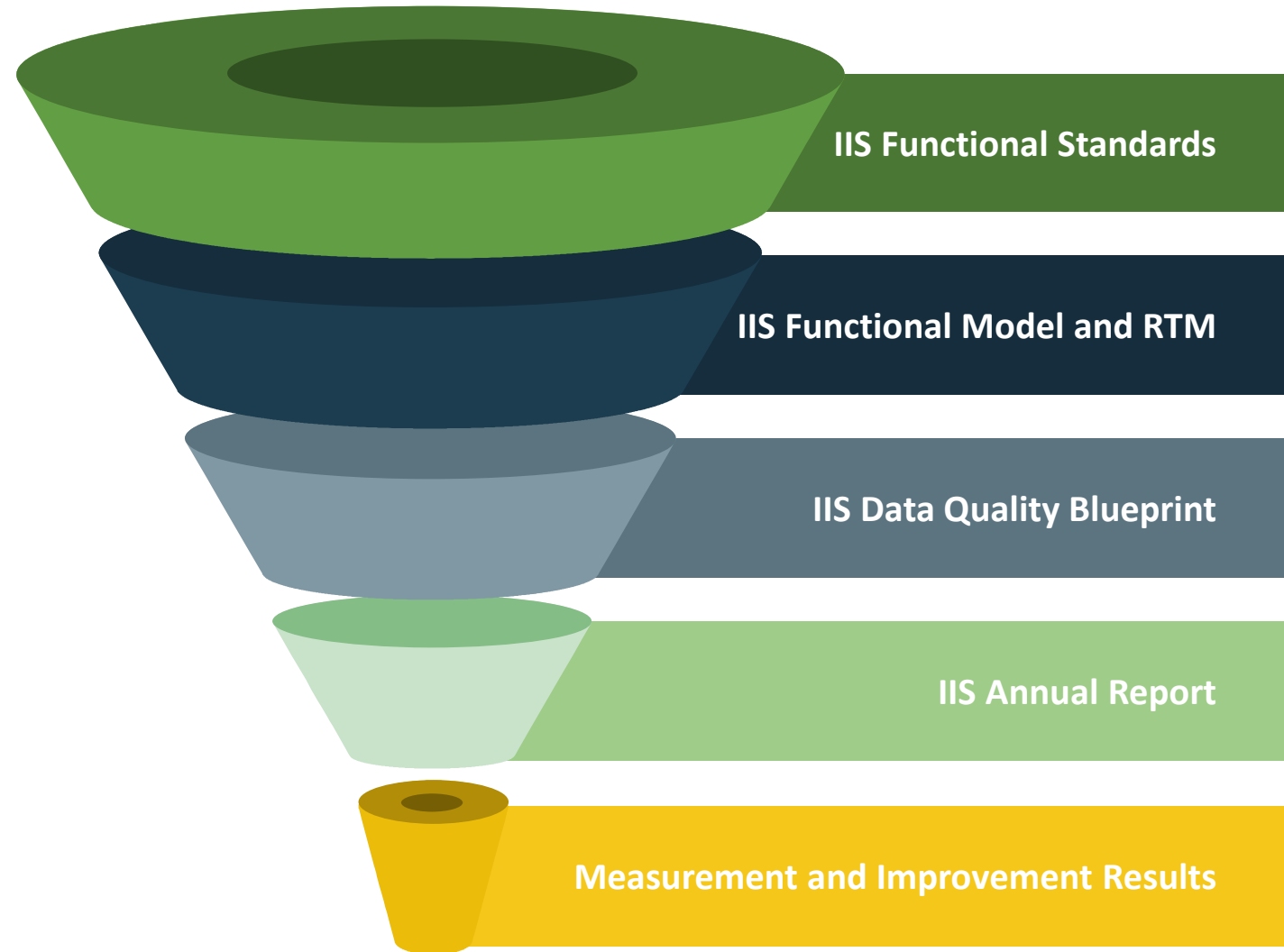
Modernization Priorities for Consideration: Assessment

Source: All

Consider your system's modernization through the lens of all the guidance and tools available

Develop an Assessment and build out a Modernization Implementation Plan – then implement

AIRA is available to help where needed, capacity allowing

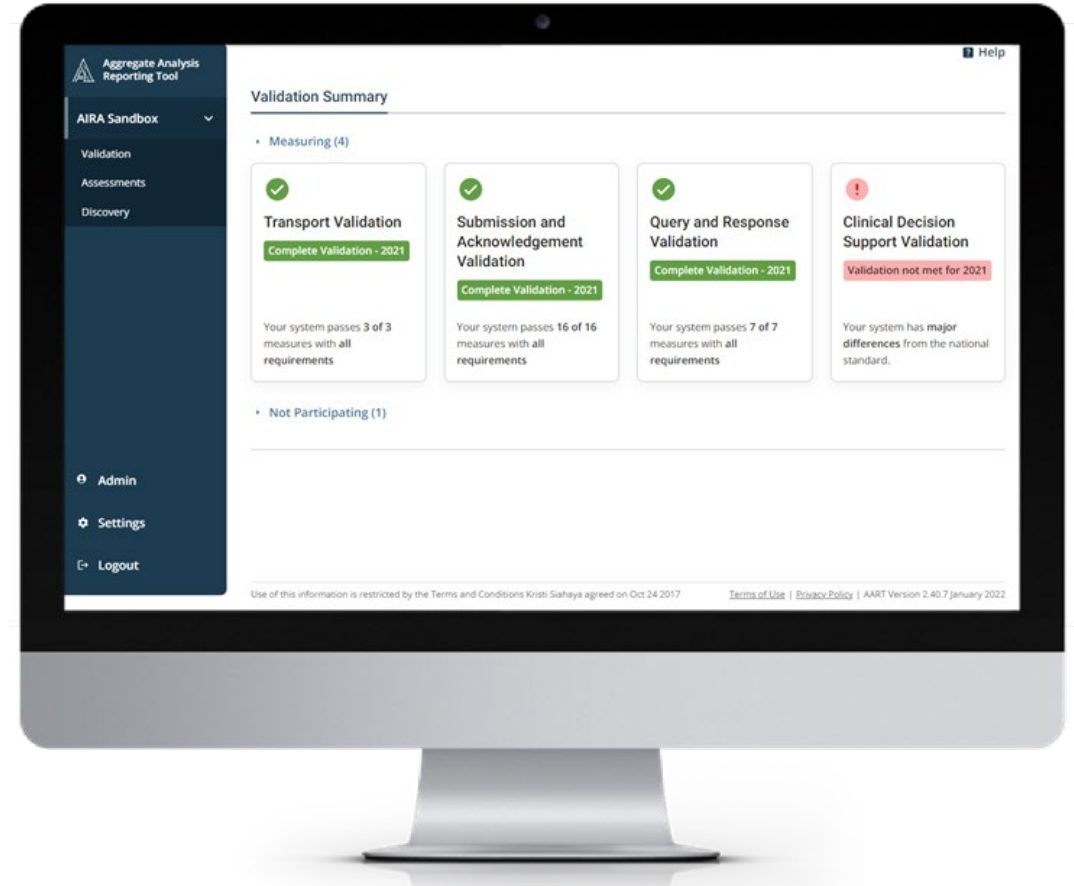


How Do I Get My M&I AART Reports

Navigate to
<https://app.immregistries.org/aart/home/>

Login, or register for an account

Reach out to
info@immregistries.org
for more information





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Jurisdictions Get the Ball Rolling on Priorities





Today's Presenters

- **Marie Hartel**, Tennessee
- **Kim Gulliver**, Colorado
- **Miriam Muscoplat**, Minnesota
- **Mary Woinarowicz**, North Dakota





AIRA Town Hall


Data Modernization Funding for IIS

PHIVE tool

▼ Implement work plans specific to IIS modernization

Activity / Strategy Name	Implement work plans specific to IIS modernization
Description	Implement work plans specific to IIS modernization to realize technology, d improvements.
Activity Focus	
Other Activity Focus	
Collaborations	
Expected Outcomes	
Expected Outputs/Outcomes	

[Edit](#) [Delete](#)

 Milestones

Milestone	Achieve by Date	Person Responsible	Criteria for Completion	Contracts/Subawards
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Initial Plans - TennIIS

- Extend contracted modernization work with IIS vendor through 2027
- Develop internal capacity to plan and implement an assessment of the IIS system functionality
- Extend IIS Contractor positions supporting:
 - EDI Development
 - Consumer Access
 - Interoperability
- Enterprise Data Lake → FHIR

Tennessee Contact Info

Marie Hartel, MPH (she/her)
TN Program Manager
marie.hartel@tn.gov

Ashley Pasquariello, MHL (she/her)
TennIIS Manager
ashley.pasquariello@tn.gov

AIRA Town Hall

Data Modernization Funding for IIS

Kim Gulliver

CIIS Data and Operations Manager

Division of Disease Control and Public Health Response



COLORADO
Department of Public
Health & Environment

Initial Steps

- Collaborated with Envision community members and Envision staff
- Developed prioritization list for possible projects
 - Multifactor Authentication/Single Sign On (MFA/SSO)
 - 508 Compliance
 - Patient Matching/Deduplication
 - Web Server Migration/HiTRUST
 - Fabric Power BI Analytics
 - API Gateway Implementation/EDM
- Internal Colorado discussions, steps and priorities



Colorado's Focus

- Collaborated with CDPHE DMI team members
- Identified Colorado's priority projects
 - Enhance IIS data modernization workforce
 - 508 Compliance project
 - Web Server Migration/HiTRUST project
- Developing/finalizing PHIG application work plan
- Developing/finalizing PHIG application budget

Thank you!

Kim Gulliver
kim.gulliver@state.co.us



COLORADO
Department of Public
Health & Environment



Minnesota IIS Modernization PHIG Funds

Miriam Muscoplat, MPH | MIIC Manager


- Focus on technical modernization
- Assessment complete: In agreement with our IT partners and MDH leadership on path forward: new IIS
- Planning underway:
 - PHIG Funding will be used to fund a new system
 - RFP for technical vendor with Admin for review

Assess and report current capacity, gaps and opportunities

Assess the status of our current IIS using the IISAR, AIRA measurement and improvement initiative results, the IIS Requirement Traceability Matrix (RTM), and other tools.



Use the results of the assessments, along with other factors such as legislative requirements and state specific needs, to determine the best path forward for modernization.



Engage with MDH and MNIT leadership to finalize the path for IIS modernization.

Create implementation plans for the prioritized focus areas

Partner with MNIT to create a request for proposal to bring on a vendor to coordinate modernization planning.



Capture comprehensive requirements for a new IIS. Requirements will be based on a combination of the RTM, IIS Functional Standards, and state specific needs for auditing and security.



Coordinate migration planning including data migration, training plans, and a comprehensive communications plan.

Implement work plans specific to IIS modernization

Create a request for proposal to contract with a technical vendor to build a new, modern IIS.



Build a new, modern IIS.



Use tools such as the IISAR and AIRA measurement and improvement initiative, to assess the IIS regularly.

Thank You!

Miriam Muscoplat

Miriam.muscoplat@state.mn.us



North Dakota PHIG IIS Modernization Funding Plan

Mary Woinarowicz, MA
NDIIS Manager



North Dakota - Workplan

Assessment

- Use AART assessment, testing, and validation reports to identify gaps in the five content areas
- Use the IISAR, IIS data quality blueprint, and AART Data at Rest (DAR) assessment to identify opportunities for data quality improvement
- Conduct comparison of the new NDIIS to the IIS functional standards and requirements traceability matrix (RTM) to identify areas not fully met

Planning

- Create a development plan to address changes needed to become fully validated at the complete level in all five AART content areas
- Create a comprehensive data quality improvement plan to address IIS data quality blueprint goals and DAR metrics not fully met
- Create a development plan for any changes to existing functionality or new functionality to be added to address gaps between the new NDIIS, the IIS functional standards and RTM

Implementation

- Complete development needed to become fully validated at the complete level in all five AART content areas
- Work with data quality vendor for on-going monitoring and clean-up
- Annual evaluation of IIS against established standards and goals
- Create provider data dashboard within the NDIIS to provide up-to-date coverage, inventory, and data quality information

North Dakota – Budget Breakdown

41% of budget towards personnel (including salaries, fringe, indirect, technology fees, and supplies)

- support IIS staff including:
 - IIS Manager
 - Data Quality Coordinator
 - Data Administrator
 - Data Analyst

42% of budget towards contracts

- IIS Vendor for development and project management
- Data quality monitoring and clean up
- Annual maintenance for consumer access application

17% of budget towards project management

- North Dakota Information Technology Department Project Management (20 hours per week)

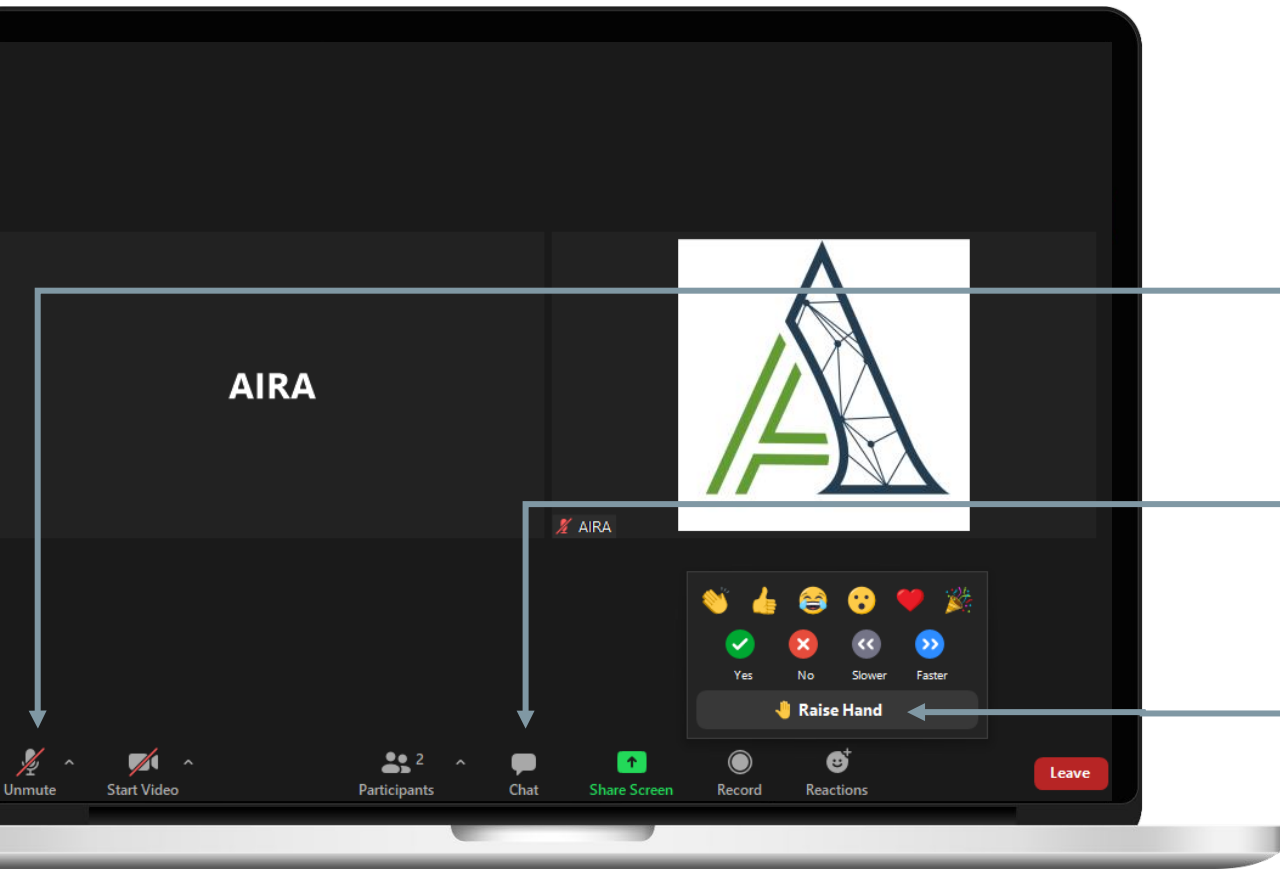


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Community Conversation - Menti



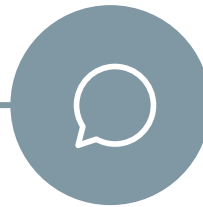
Question & Answer



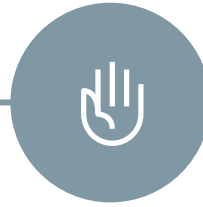
How do I ask a question?



Select the unmute icon and ask your question verbally.



Select the chat icon and type your question into the chat box.



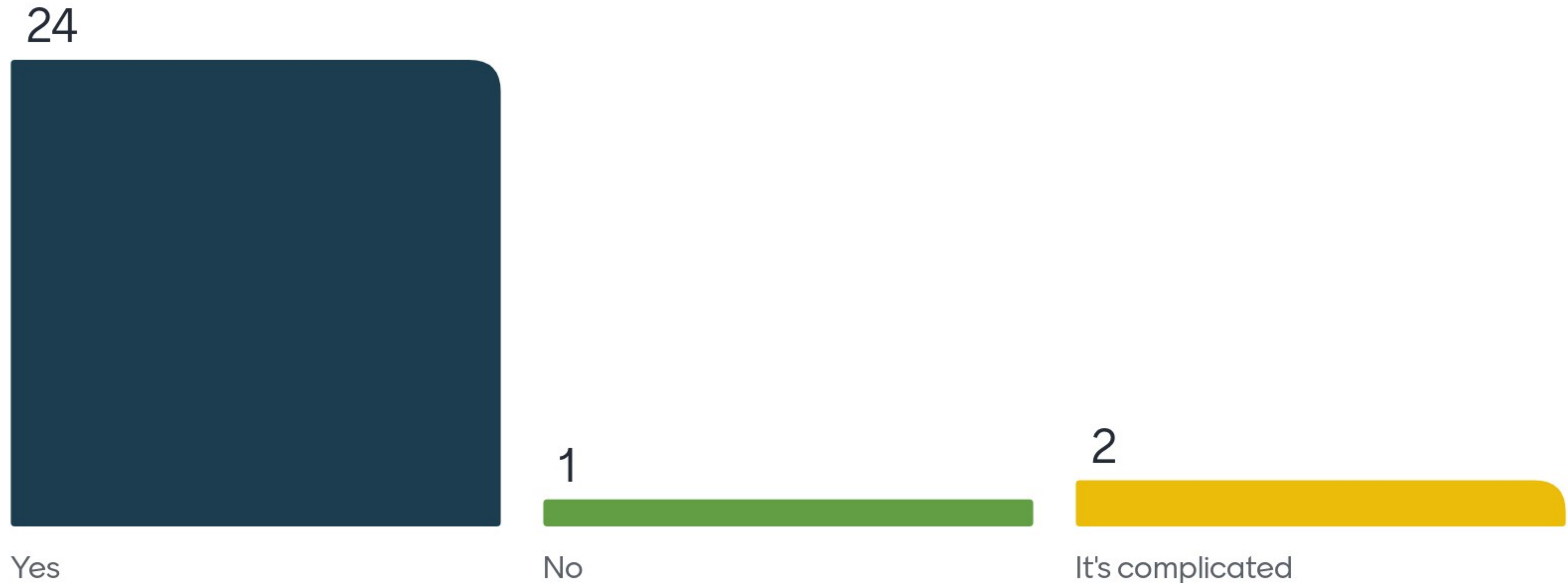
Select the reactions icon, select "Raise Hand," and you will be called on.



Thank you all for joining us
for this discussion!

Reach out with further questions:
Info@immregistries.org

Have you touched base with your PHIG Point of Contact?



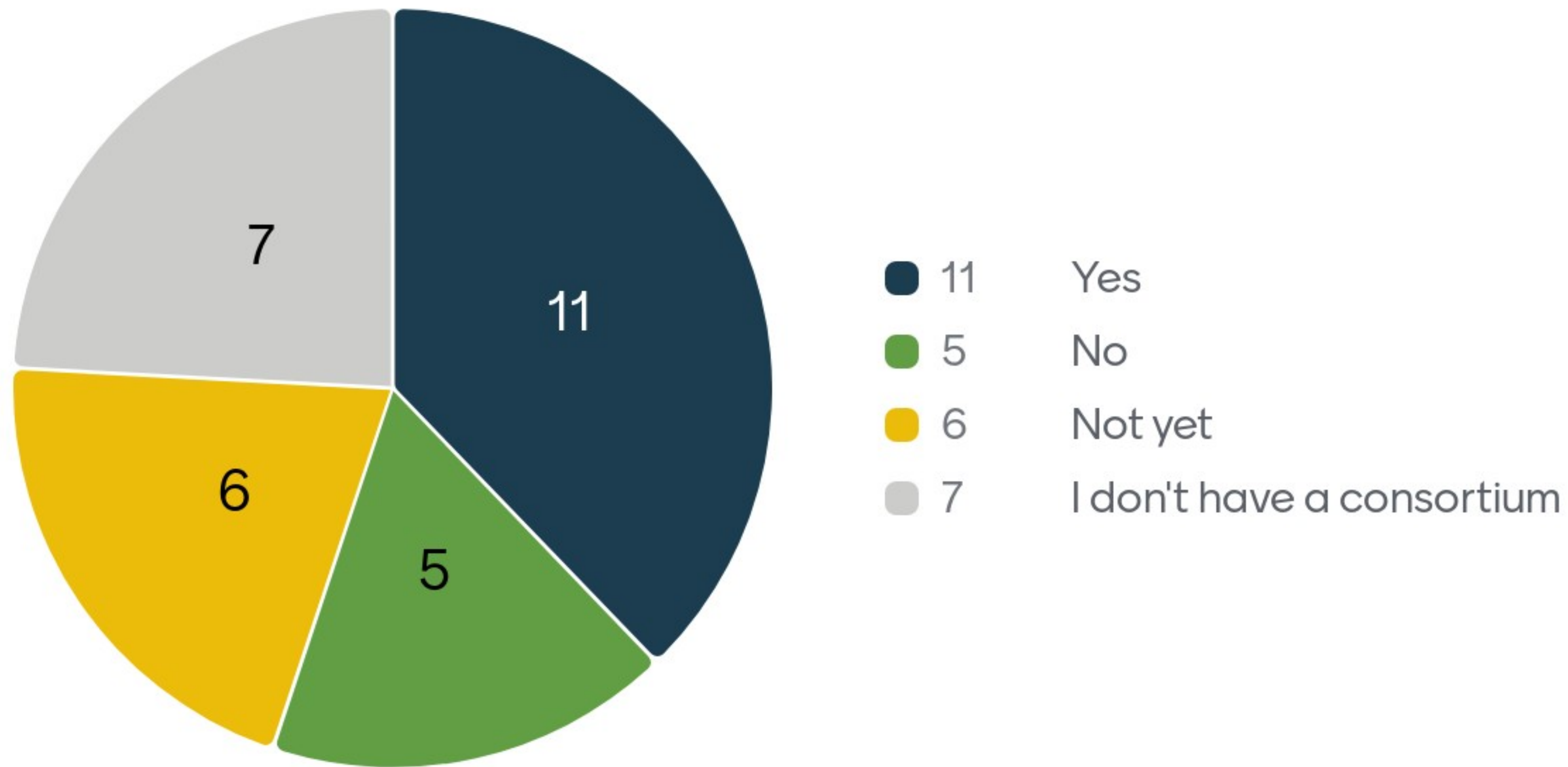
For those who selected "It's complicated", please tell us more.

I think someone else will connect with them

Right, program manager wanted to have the discussion with PHIG contact.



Are you working with your IIS platform consortium around planning priorities?



What are your top modernization areas of focus? (choose all that apply)



What specific activities are you thinking about?

Maintenance and support for 26/27.

Moving to the cloud

Assess, plan, implement

new system development

Most of the funding is benchmarked to retain staff!

Accessibility and security updates

Data Linkages and enhancing analytics

migration planning



What specific activities are you thinking about?

Staffing

Staff

Staffing for 25-27

Security updates, patient matching/deduping, Power BI, data linkage with internal data lake

Consumer access

MFA/SSOFHIR BULK
EXPORTREPLACE
TWILIO PROVIDER
FEEDBACK REPORTS

Expanding our backend data access and developing a plan for what to do with the data

implementation and system sustainability

2



20



What specific activities are you thinking about?

consumer access,
security, staffing, and
general support

IIS platform upgrade

Interoperability security
and access data linkage

Interoperability

3 required activities -
implementation plan post
NoA will include specific steps

If we cannot pay for
maintenance, then no point in
modernizing a system we
have to stop using. :(

No system, what is the point
of modernizing? Can't
modernize a system you can't
use.

Maintenance and support
covers new releases for
enhancements/modernizations



What specific activities are you thinking about?

Can Jan cite where that is in the guidance?

Where in the guidance does it specifically say that these funds cannot be used for maintenance??

Tomorrow's call overlaps the AIM monthly general membership call. These never used to overlap. Can IDAB please be more careful about changing the day time? Program managers can't be in both places



What topics could you use more information about, and from whom (peers, CDC, AIRA, etc.)?

should we expect that an application would be fully funded at the level described up front or might only some of the activities be approved and funded?

thanks, AIRA, Jan, and other states

Will tech review come from our CDC project officer or DMI?

