



# Considerations for Successful Implementation of the National Secure Data Service Demonstration: Stakeholder Engagement and Lessons Learned

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Delivering Solutions for Evidence Building in a National Secure Data Service  
Demonstration

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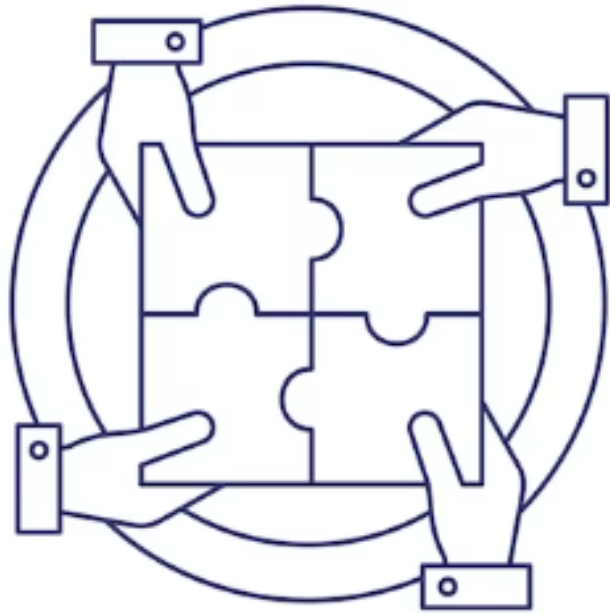
NATIONAL CENTER FOR SCIENCE AND ENGINEERING STATISTICS  
NATIONAL SCIENCE FOUNDATION

# Today's Presentation

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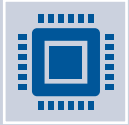
- Why is stakeholder engagement important?
- What is required as part of the NSDS Demonstration?
- How have we engaged over the past two years? What did we learn?
- What does engagement look like in the future?
- Open Discussion and Questions

# Why is Stakeholder Engagement Important?



- We want to build trust with communities, establish effective connections, and determine priorities.
- Advisory Committee on Data for Evidence Building prioritized engagement to advance vision of NSDS.
- The success of the **National Secure Data Service Demonstration** both requires and depends on your active engagement to ensure common goals and outcomes are prioritized.

# CHIPS and Science Act Requirements



Section 10375 of the 2022 CHIPS and Science Act calls for a 5-year demonstration project to develop, refine, and test models to inform the full implementation of a National Secure Data Service (NSDS).



The NSDS is envisioned as set of shared services and a government-wide data linkage and access infrastructure to support evidence building.



CHIPS and Science calls for consultation with the director of OMB, the National Artificial Intelligence Research Resource (NAIRR), and alignment with the Advisory Committee on Data for Evidence Building (ACDEB) recommendations.



The NSDS Demonstration will be implemented by the National Center for Science and Engineering Statistics (NCSES).

# CHIPS and Science Act Requirements

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- Section 10375 (b)(1). ESTABLISHMENT
  - aligned with the principles, best practices, and priority actions recommended by the **Advisory Committee on Data for Evidence Building**, to the extent feasible;
- Section 10375 (c). DATA
  - ...**engage with Federal and State** agencies to collect, acquire, analyze, report, and disseminate statistical data in the United States and other nations to support governmentwide evidence-building activities...
- Section 10375 (d). VOLUNTARY
  - Participation in the National Secure Data Service demonstration project by Federal and State agencies shall be **voluntary**.
- Section 10375 (g). TRANSPARENCY
  - The National Secure Data Service established under subsection (b) shall maintain a **public website** with up-to-date information on supported projects.

# Stakeholder Engagement at a Glance

## Engagement with key stakeholder groups:

- Congress
- Interagency Council on Statistical Policy
- NAIRR Pilot
- Chief Data Officers' Council
- Presidential Council of Advisors on Science and Technology
- Data Foundation
- Office of Science and Technology Policy
- Association of Public Data Users
- State Chief Data Office Network

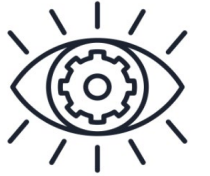
## Collaboration with Federal agencies:



# Engagement: Visioning, Building, Testing, Learning

- **What is the vision for the NSDS? What are the most important functions/features?**

- ICSP NSDS Subcommittee and Working Group and broader ICSP integration
- Building Champions at leadership and staff levels
- Greater national data ecosystem



- **What are the use cases for a future NSDS? Who will use it and for what purpose?**

- NSDS Expert Panel (Fall 2024, meet quarterly)
- NAIRR Pilot partnership
- Formal and informal briefings with federal and state departments and groups
- America's Data Hub Consortium Request for Information for Use Cases
- Conferences/workshops



# Engagement: Visioning, Building, Testing, Learning

- **What activities are needed to build and test? What did we learn?**

- America's Data Hub Consortium (ADC) a public-private partnership and vehicle
- Prioritize projects that build in engagement
- Federal agencies and technical oversight of key projects
  - Bureau of Transportation Statistics, Bureau of Economic Analysis, National Center for Health Statistics, Bureau of Labor Statistics



- **How do we increase transparency and dialogue in all phases?**

- Websites (existing and planned) to communicate opportunities, progress, and lessons learned
- ADC Mass mailing lists and webinars
- ICSP NSDS Subcommittee Working Group, Stakeholder Engagement subgroup
- Welcome and encourage feedback in all venues





# Diverse Engagement Increases Innovation



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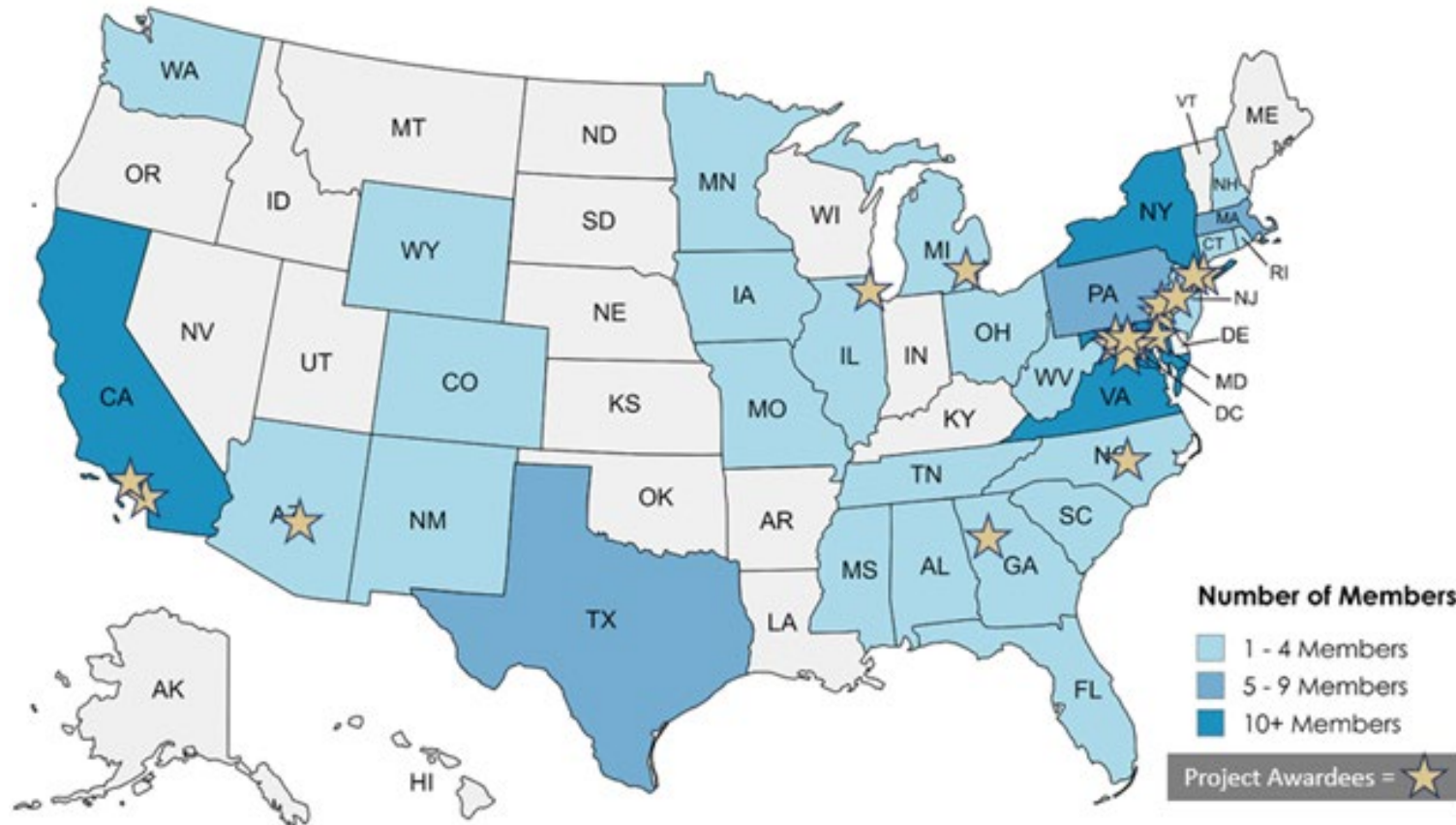
National Center for Science and Engineering Statistics (NCSES)



**America's Data Hub Consortium (ADC)** is a public-private partnership. The ADC prioritizes:

- Membership and vendor diversity for innovative solutions to research questions
- Cross-agency evaluation teams for vendor selection
- Outreach/webinar activities to reach broad audiences
- Idea Bank Initiative
- Request for Information (Use Cases)
- Quarterly lessons learned

# ADC Membership and Awards (FY23-FY24)



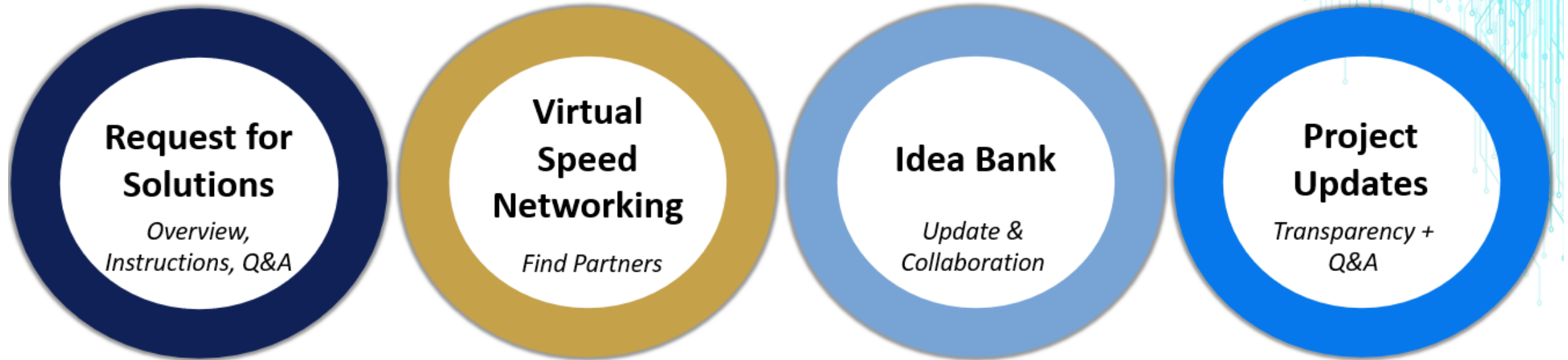
- Over 130 members
- Members in 30 states
- Awardees in 11 states
- 32% membership increase in FY24
- 84% of new members are “Non-trationals” \*

\*Have not done business with NSF in past 3 years.

# ADC FY24 Webinars: In support of Transparency

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- Virtual Events: 24
- In-person events: 2



# Lessons Learned from Stakeholder Engagement in the past 2 years...

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- Communication is not the same as engagement.
- Identifying champions and building engagement capacity with stakeholders is critical and necessary.
- Articulating the value proposition for a future NSDS requires engagement.
- The same terms can have different meaning across disciplines, sectors, and groups.
- Strategic engagement is a skill that is required at all levels (not just communication specialists).

# Way Forward: FY25 – FY26

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- **ADC Projects:** Learn from recently awarded projects to inform understanding of stakeholder needs at sub-national levels.
- **NSDS Expert Panel:** Engage on select topics to fold in diverse perspectives.
- **Collaboration:** ICSP, federal, and state agency partners, including evaluation and policy communities.
- **Capacity Building (Acquisition):** Focus on non-traditional vendors to encourage innovative approaches and solutions from private sector.
- **NSDS Website:** Coalesce around common messaging, vision, and opportunity for feedback.
- **Engagement Strategy:** Continued refinement and implementation to ensure inclusion of diverse perspectives throughout phases towards establishment of NSDS 1.0.

# Q&A



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