

ACDEB's Vision of a National Service for Evidence Building

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2023 Federal Committee on Statistical Methodology (FCSM)
Advances in Implementing Title III of the Evidence Act:
*Enhancing Public Trust in Official Statistics and
Expanding Data Access for Evidence Building*

(ACDEB=Advisory Committee on Data for Evidence Building)

Today's focus

- ACDEB Vision for a National Secure Data Service (NSDS)
- CHIPS and Science Act and the National Secure Data Service Demonstration Project
- Continuing Progress for Evidence Building



Vision for a NSDS

The NSDS will be an important component of the broader evidence-building ecosystem, whose goal is to develop evidence for decision-making. As such, the NSDS will build on the framework established in the Evidence Act and advanced through the Federal Data Strategy, including operating under CIPSEA and complying with associated privacy and confidentiality requirements

Philosophy:

As a philosophy, the NSDS will produce value for the American public by facilitating evidence building.

Service:

As a service, the NSDS will provide coordination and capacity-building services for data users, data providers, and related communities of practice.

Place:

As a place, the NSDS will be a legally recognized entity that functions within the larger federal ecosystem, with hardware, software, and administrative infrastructure and capacity that allows it to meet its mission.

- *Functions*

The NSDS would enter the existing evidence ecosystem as a new partner, striving to complement and enhance—rather than supplant or replace—current actors, infrastructures, and capabilities. The NSDS should fill gaps in the ecosystem through its core functions.

- *Technical Infrastructure and Tools*

To make the path for evidence building easier and more predictable—both for data access and privacy protection—the NSDS must provide technical infrastructure and tools to support its core functions, operating under the same CIPSEA frameworks as the federal statistical agencies.

- *Resources and Funding*

For the data ecosystem to flourish, there must be adequate resources available.

Advisory Committee on Data for Evidence Building (2020-2022)

ACDEB's Charge

To review, analyze, and make recommendations to the OMB Director on how to promote the use of federal data for evidence building, with an emphasis on Title III of the Evidence Act

An actionable path for evidence building



CHIPS Act Requirements:

- Congress mandates a demonstration project managed by NCSES to inform potential implementation of Evidence Act

ACDEB Report Requirements:

- ACDEB made recommendations on how to promote the use of Federal data for evidence building
- Recommend America's DataHub is foundational pilot



AMERICA'S DATAHUB
CONSORTIUM



America's DataHub is a collaborative public-private partnership

Government (Public)



Government PMO
Lead agency,
Agreements Officer
(AO) and AO
Representative

- Federal Statistical Agencies
- Other Federal Agencies
- State/Local Agencies
- Tribal Governments
- Other Public Stakeholders



“The Bridge”

Overarching
Other Arrangement

Consortium (Private)



AMERICA'S DATAHUB
CONSORTIUM

Industry leaders, **nontraditionals**, & **academic organizations** conduct the research projects.

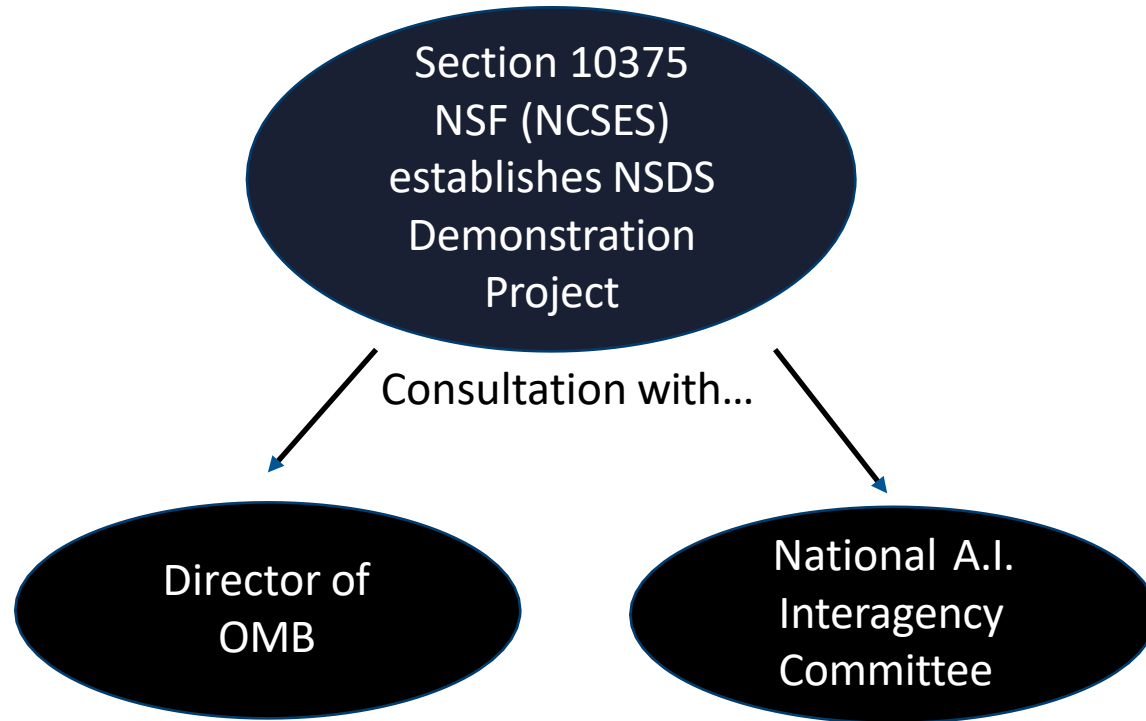


Consortium Management Firm, facilitates
ADC collaborative activities, contractual and
financial administration of research projects.

National Secure Data Service Demonstration, Section 10375 of CHIPS and Science Act of 2022

(a) In general...

Shall...



Establish a demonstration project to develop, refine, and test models to inform the full implementation for a government-wide data linkage and data access infrastructure for statistical activities conducted for statistical purposes, as defined in chapter 35 of title 44, United States Code.

National Secure Data Service Demonstration, Section 10375 of CHIPS and Science Act of 2022



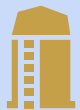
Pilot potential shared services, technologies, and techniques that might be used within a potential National Secure Data Service



Focus on novel **capacity building, data sharing and access**, research collaborations, **user needs and experiences, data linkage methodologies**, and **privacy preserving technologies and techniques**.



Explore innovation



Will not be a data warehouse

Data will not be collected and housed under the demonstration project.

National Secure Data Service Demonstration, Section 10375 of CHIPS and Science Act of 2022

- Demonstration project fully launched in January of 2023
- 16 projects initiated in FY23 to test potential NSDS capabilities

Examples of Current NSDS Demonstration Projects

- Creating and Validating Synthetic Data (NCSES/Census)
- Evaluation of Noise Infusion for Large-Scale Demographic Sample Survey (NCSES)
- New Opportunities for Interoperable Data -- National Vital Statistics System Modernization (NCHS)
- Privacy Preserving Record Linkage (PPRL)...
 - Linking Data from Two Federal Statistical Agencies (NCHS/NCSES)
 - Strengthening the use of Parent and Statistical Agency Data by Informing Programs & Policies (NSF/NCSES)
- Secure Compute Environment Scan

Examples of Current NSDS Demonstration Projects

- Data Protection Toolkit Use Case Analysis
- Models for a Data Concierge Service
- Privacy Preserving Technology Scan

National Secure Data Service Demonstration, Section 10375 of CHIPS and Science Act of 2022



Fast, Flexible, & Seamless Execution

- ✓ Streamlined acquisition instrument (not FAR-based)
- ✓ Rapid contracting support (target 90-day awards)



Communication & Transparency

- ✓ Updates on projects and initiatives: <https://ncses.nsf.gov/nsds>
- ✓ Upcoming collaboration event and continued briefings and engagement with various communities (e.g. State Chief Data Officers Network)



Expanded Access & Collaboration

- ✓ Number of “nontraditional” innovators: 60
- ✓ Agencies and entities who have participated: Over a dozen federal agencies (e.g. BEA, Census, BLS, DOT, Federal Maritime Commission)

We need your input

- The [Idea Bank](#) went live early September and is currently accepting submissions.
- Project evaluation expertise
- Consortium membership

NSDS: Demonstration Project



- Validate shared-service operational model
- Test features/ functions
- Create Website
- Broaden engagement and opportunities for innovation

ADC established
August 2021

CHIPS Act authorizes
5-yr NSDS Demo

Report due to Congress

End of demo

FY21

FY22

FY23

FY24

FY25

FY26

FY27

FY28 +



AMERICA'S DATAHUB
CONSORTIUM

Continuing progress for evidence building

- Expanding secure data access
- Achieving greater cross-agency coordination
- Enhancing stakeholder engagement

