

Toward a 21st-Century National Data Infrastructure

Approaches to Improve the Measurement of
Suicide in Law Enforcement in the United States

April 26, 2023



This Moment

Data as national resources used for common good statistical purposes

- Commission on Evidence-Based Policymaking (2018 Evidence Act)
- The Advisory Committee on Data for Evidence Building
- America's Data Hub Consortium (NSF)
- Scores of R&D projects
- Coleridge Initiative



Vision

- Users
- Operations
- Components
- Attributes



Only Statistical Uses

- Federal and state statistical agencies
- Federal, state, tribal, territorial program agencies
- Researchers



Operations

Blending Multiple Data Sources

- improve the quality, timeliness, granularity, and usefulness of national statistics
- facilitate more rigorous social and economic research
- support evidence-based policymaking



Components

1. data assets
2. technologies
3. skilled staff
4. standards and rules for data access, use, and protection
5. organizations
6. communities and data subjects whose data are shared



Attributes

1. Safeguards and advanced privacy-enhancing practices
2. Statistical uses only, for common good information
3. Mobilization of relevant digital data assets, blended in aggregates
4. Reformed legal authorities
5. Governance framework and standards
6. Transparency to the public
7. State-of-the-art practices



Takeaways

The United States needs a 21st-century national data infrastructure that blends data from multiple sources to improve the quality, timeliness, granularity, and usefulness of national statistics, facilitates more rigorous social and economic research, and supports evidence-based policymaking and program evaluations.

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Data sharing is **incentivized when all data holders enjoy tangible benefits** valuable to their missions, and when societal benefits are proportionate to possible costs and risks.

It is ethically necessary and technically possible to **preserve privacy and fulfill confidentiality pledges** regarding data while simultaneously expanding the statistical uses of diverse data sources.

Trust in a new data infrastructure requires **transparency of operations** and accountability of the operators, with ongoing engagement of stakeholders.

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Takeaway

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Building a Data Infrastructure Requires Identifying Short- & Medium-Term Activities

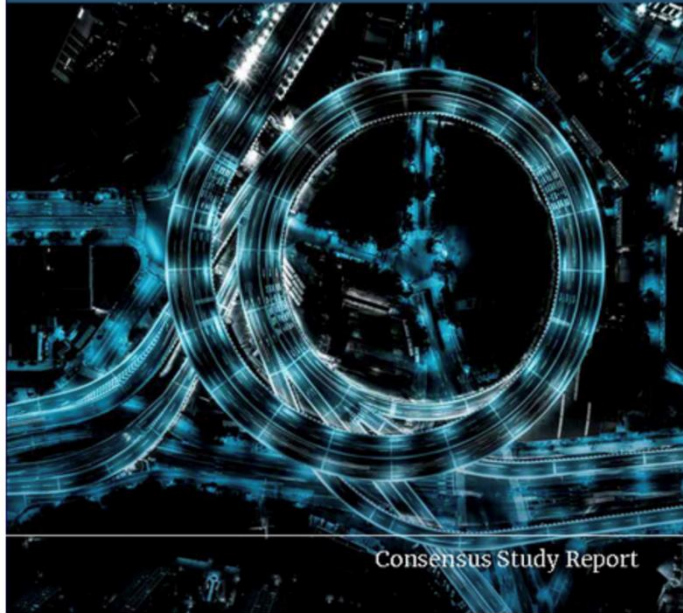
- Legislation underlying data sharing
- Implement Evidence Act regulations
- Identify legislation/regulatory priorities regarding CEP state-related recommendations
- Develop legislative strategy for data synchronization bill
- Identify legal options that would incentivize data holders to share data for statistical purposes.



Future CNSAT Data Infrastructure Reports

- Report 2: The implications of using multiple data sources for major statistical programs
- Report 3: The technology, tools, and capabilities needed for data sharing, use, and analysis. (Report available next year)

Toward a 21st Century
National Data Infrastructure:
Mobilizing Information for
the Common Good



Consensus Study Report

Reports available at

<https://nap.edu>

Search for “data infrastructure”

An interactive website for this report can be accessed there. Short overview documents are there.